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August 31, 1995

Ms. Caroline Kwan
New York/Caribbean Superfund Section
U.S. Environmental Protection Agency Region II
290 Broadway, 20th Floor
New York, NY 10007-1866

Transmittal of Comment Responses and Revised Soil Remediation Report
O'Henry Laundry, Tutu, St. Thomas, U.S. Virgin Islands

Dear Ms. Kwan:

Enclosed please find four copies of the comment responses and revised Soil Remediation Report for the O'Henry Laundry site in St. Thomas, U.S. Virgin Islands.

If you have any questions regarding the report please contact L'Henry, Inc., Counsel Nancy D. Anna, Esq., at (809) 776-6533 or me at (615) 690-3211.

Sincerely,

A handwritten signature in cursive script that reads 'Belinda Price'.

Belinda K. Price, R.P.G.
Project Manager

cc: Andrew Praschak, EPA
Leonard Reed, DPNR
Adrian Schottroff, DPNR
Nancy D'Anna, Esq.
Jack McBurney, de Maximis, Inc.

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**Soil Remediation Report
O'Henry Laundry, Tutu, St. Thomas
U.S. Virgin Islands**

IT Project No. 409830

Prepared for:

**L'Henri, Inc.
St. Thomas
U.S. Virgin Islands**

Prepared by:

**IT Corporation
Knoxville, Tennessee**

Belinda Price 8/31/95

**Belinda K. Price, Project Manager
IT Corporation**

**Revision No. 1
August 1995**

**TECHNICAL REVIEW COMMENTS
SOIL REMEDIATION REPORT FOR
O'HENRY LAUNDRY, TUTU, ST. THOMAS**

Reference: Letter to Nancy D'Anna, Esq., from Carole Peterson received July 27, 1995.

General Comments:

Comment 1: The limits of the excavation were determined from field gas chromatograph results and using a provisional soil cleanup level of 200 ug/kg, based on preliminary vadose zone leaching modeling. The final EPA cleanup goals for the O'Henry property, based on revisions to the model, are 375 ug/kg PCE in the 0-1.6 feet depth interval, and 31 ug/kg PCE at depths greater than 1.6 ft, which will result in levels of PCE in groundwater below the MCL of 5 ug/l. These cleanup goals are developed from unsaturated zone calculations that take into account infiltration of precipitation, PCE adsorption-desorption from site soils, anaerobic biodegradation of PCE and mixing of contaminated leachate with groundwater in the underlying aquifer. Based on the final EPA calculations, additional soils remediation is needed to address potential sources of groundwater contamination.

Response: Cleanup standards calculated by the EPA assume soil contamination occurs at the soil cleanup standard concentration for the entire soil column. Site modeling performed by the EPA and reported in specific comment No. 15 does not take into account all site specific data available. Further, IT cannot verify the results of EPA modeling presented for the O'Henry site because site specific input parameters, input/output files, and spreadsheet calculations have not been presented. However, using the leachate to groundwater dilution factor of 0.04 assumed for the O'Henry site by the EPA (CDM, 1995), and back-calculating from the groundwater MCL for PCE of 5 ppb, the equivalent concentration of PCE in leachate entering groundwater would be 125 ppb. This value is higher than the soil cleanup standard of 31 ppb presented by the EPA which would suggest that the soil cleanup standard must be greater than 125 ppb.

Based upon analytical results of the confirmatory soil samples collected during soil remediation activities and physical conditions at the site, soils left in place at the O'Henry Laundry site represent two distinct PCE soil concentration profiles.

Profile 1: Soils left in place at the excavation base overlain by clean backfill material brought from offsite. Analytical results indicated that soils used as backfill material from ground surface to a depth of 8.25 feet within the excavation area were clean soils with PCE concentrations below detection limits. Soils underlying the backfill

material at the excavation base, at a depth of 8.25 ft and deeper, were found to contain PCE at a maximum concentration of 170 ppb. The soil boring ITSB-01 defines the limits of the contamination at 10 feet below grade (i.e., nondetect at 10 feet).

Profile 2: Soils beneath the concrete area on the northern excavation wall. Soils collected from the northern excavation wall, beneath the paved concrete slab were found to contain PCE with maximum concentrations of 38 ppb, 560 ppb, and 1100 ppb at depth intervals of 2 to 3 ft, 3.75 to 4 ft, and 5.33 to 5.88 ft, respectively. No depth limit has been defined for the contamination under the paved concrete area; however, the depth of the base of contamination was assumed to be the same as for Profile 1 (see response to Specific Comment No. 14).

Table 1 shows the two vertical distribution profiles of PCE soil concentrations. Using the above PCE concentration soil profiles and site specific soil parameters obtained during the soil remediation activities (IT, 1995), groundwater impact due to the mobilization and migration of PCE in the vadose zone was estimated using the computer program VLEACH Version 2.0 (Ravi, et al., 1993). VLEACH is a one-dimensional vadose zone model that predicts contaminant behavior within the vadose zone using a finite difference method. The modelling assumptions were the same as those described in the Workplan (IT, 1994) with the exceptions as described below.

These values were obtained during the March 1995 soil remediation activities (IT, 1995) :

- The soil type at O'Henry is predominantly sandy silt with clay soil.
- Dry bulk density = 1.53 g/mL
- Volumetric water content = 0.3

Other revised input parameters included:

- Hydraulic gradient = 0.073 ft/ft (EPA Final Report, Estimation of Soil Cleanup Concentrations Required to Protect Groundwater as a Source of Drinking Water, Tutu Wells Site, USVI, 1995)
- Organic Carbon Partition Coefficient (K_{oc}) = 364 ml/g (EPA, 1995)
- Soil organic carbon fraction (f_{oc}) = 0.006 (EPA, 1995). (The more conservative of the two site specific values determined by IT and the EPA, see also the response to Specific Comment 10.)

Model data files (LHENRI for Profile 1 and LHENRI2 for Profile 2) are attached. The VLEACH model provides information on the amount of PCE released to the groundwater in terms of grams per year at every time step. PCE concentrations in groundwater due to the impact of leachate were estimated using VLEACH/mass loading estimates and a one-cell mixing model for the aquifer directly below the contaminated vadose zone. The mixing model assumes complete mixing in the water column.

PCE concentrations in groundwater $[M]_{GW}^{PCE}$ was calculated using:

$$[M]_{GW}^{PCE} = \frac{[M]_{Leachate}^{PCE}/year}{Volume\ of\ water\ flowing\ through\ unit\ width\ per\ year}$$

Where water volume = $n \times t \times L \times W$

n = porosity = 0.4

t = aquifer thickness = 10 ft

L = flow velocity using a hydraulic conductivity of 1.5 ft/day and hydraulic gradient of 0.073

W = A unit cross-sectional width

Water volume = $0.4 \times 10\ ft \times 42.37\ ft/year \times 1\ ft$
 = 169.5 ft³/year
 = 4796 liters/year.

The incremental increase in PCE concentrations in groundwater for the O'Henry site using the two PCE concentration soil profiles are shown in Figures 1 and 2 respectively. Table 2 summarizes the highest groundwater PCE concentrations and the time at which the peak impact occurs beneath the site. Figures 1 and 2 show that with the current PCE soil concentration profiles, groundwater beneath the O'Henry site will not be impacted above EPA action limits. The site specific modeling will be incorporated into a new chapter titled, "Evaluation of Impact to Groundwater of Soils Left in Place."

Comment 2:

Concentrations of PCE reported in confirmatory laboratory analyses of samples were in many cases significantly higher than the field GC results, especially from the deeper samples and excavation wall samples. Usually, laboratory analyses of VOCs yield lower concentrations than do field results, due to compound volatilization during shipping and handling. The higher laboratory PCE results for many samples call into question the reliability of the field GC results to accurately determine whether residual PCE concentrations are below the provisional (or any) cleanup level.

Response:

A comparison of the PCE results from samples collected and analyzed by the field GC and in the laboratory by IT and split samples analyzed by the EPA are included on Table 4. An examination of this table indicates that the field GC analyses yielded the highest concentrations in 10 samples, the IT laboratory analysis yielded the highest concentrations in 8 samples and the EPA laboratory yielded the highest concentrations in 2 samples. The field GC result was only lower than the IT laboratory result for four samples where an EPA laboratory split sample result was not available (EXS05, EXS26, EXS27, and EXS35). Of these samples, there was only one sample (EXS27) where the IT laboratory results was more than double the field GC result (195 µg/kg from field GC and 850 µg/kg from IT laboratory). For this sample, a duplicate analysis was performed. The result (570 µg/kg) is intermediate of the field GC and IT laboratory results.

For the samples for which EPA split samples are available and where the IT (or EPA) laboratory results are higher than the field GC, four samples have laboratory results which are more than double the field GC results (EXS30, EXS31, EXS33, and EXS34). In three of these samples, the IT laboratory has the highest concentration and in one case the EPA has the highest concentration.

There are only three samples where the field GC analysis was below the preliminary cleanup standard and where the confirmation sampling analysis was above the preliminary cleanup standard (EXS27, EXS30, and EXS31). These three samples are located beneath the concrete slab on the northern wall of the excavation.

In addition, the following should be noted.

- Quality control measures were taken during field analysis to support the validity of the test method. Appropriate instrument calibrations were performed and check standards were continuously analyzed throughout the field analysis to verify correct instrument performance. Accuracy and precision data (i.e., MS/MSD samples and surrogate spikes) indicate no problem with data generated by the field GC.
- Interpretation of soil VOC data is often fraught with difficulties due to inherent problems with the sampling and analytical process. Losses of VOCs have been reported due to volatilization caused by sample disruption during field or laboratory subsampling, as well as leakage and/or transformation during preanalytical handling. VOCs may become physically entrapped in the microstructure of soils and can be difficult to desorb and remove during extraction. In addition, ancillary soil properties (e.g., water content, organic carbon content, temperature) can affect spatial variability and soil VOC behavior.

VOC concentrations vary in soils both in space and time. Therefore, variability in measurement of VOCs can be large as a result of natural variability. Focus should be on the comprehensive data sets rather than on discrete values and on the laboratory confirmation samples rather than the field GC.

The confirmation samples indicate that soils have been removed to below the preliminary cleanup standard with the exception of an area of soil beneath the concrete slab. A new subsection will be added to Chapter 3.0 titled, "Evaluation of Field Screening and Laboratory Analytical Results," which will compare the results as described above.

Comment 3: **High concentrations of PCE in the southeastern part of the excavation pit and the southern pit wall near the Liquor Barn (e.g., EXS12, EXS27, EXS30, and EXS31) indicate that not all soils containing PCE above 200 ug/kg were removed. It therefore appears that additional PCE-contaminated soils exist beneath the O'Henry building.**

Response: We agree that field GC and confirmation samples indicate that soil with concentrations above the provisional cleanup level of 200 $\mu\text{g/kg}$ are left in place beneath the concrete paving at the northern end of the excavation. This will be incorporated in the first paragraph of the conclusions section.

Specific Comments

Comment 1: **Section 1.1.2, page 1-2 and 1-3. The provisional level of 200 ug/kg has been revised to 31 ug/kg for soils more than 1.6 feet below ground surface, based on EPA's final vadose zone modeling results. This information should be incorporated into the text.**

Response: The information as requested will be added to the text in Section 1.0; however, please see response to General Comment No. 1.

Comment 2: **Section 2.1, page 2-1. The maximum concentration of PCE previously reported in subsurface soils was 180,000 ug/kg in sample e-02-02 from a depth of 1.5-2.5 ft (Figure 5-11 of the Draft Final Remedial Investigation Report), not the 59,000 ug/kg in boring SS1 as reported here.**

Response: We agree; however, it should be noted that the soil boring SS1 was targeted to the same location as e02-02. Therefore, data from SS1 is more recent than e02-02. The text will be revised accordingly.

Comment 3: **Section 2.1, page 2-1. The sample depths of the two undisturbed soil samples that were submitted for geotechnical analyses should be listed. According to Appendix A, apparently only one of these**

samples underwent analysis. The text here and on page 3-3 should clarify the depth interval sampled and that only sample LH01 and its duplicate were analyzed.

Response: We agree; two samples (i.e., one sample LH01 and its duplicate LH02) were collected; however, only one sample, LH01 from a depth interval of 5 to 6.5 feet, was analyzed for geotechnical parameters. The text will be revised accordingly.

Comment 4: Section 2.2, page 2-1. Here and elsewhere, the text should indicate that the cleanup level of 200 ug/kg was an assumed cleanup level and was used provisionally.

Response: We agree. The text will be revised accordingly.

Comment 5: Section 2.6, page 2-6. The text indicates that a PID was not available during installation of boring ITSB-01. Presumably the PID had arrived by the time of the soil excavation work, yet no organic vapor readings are presented in any section of the report. If PID readings are available they should be discussed in the text because they would aid in identifying contaminated soil zones within and adjacent to the excavated area.

Response: Table 3 summarizes PID readings taken during soil remediation activities. PID readings will be included in the report.

Comment 6: Section 3.1, page 3-1, second paragraph. PCE concentrations of up to 2,845 ug/kg were found at a depth of 3-4 ft at location EXS12. Table 3-1 indicates this is an estimated concentration since the value exceeded the instrument calibration range. The text should be revised to discuss how large this estimated result could potentially be.

Response: The reported value from sample EXS12 is reported as an estimated concentration. A sample aliquot of 0.5 g was used for analysis; the analytical results exceeded the calibration linear range. Due to problems obtaining additional supplies, the sample was not reextracted and reanalyzed with a smaller aliquot. A smaller sample aliquot would have allowed the analytical result to be within linear range; thus a more accurate value would be reported. The reported result is most likely slightly higher than the actual concentration. This will be added to the text.

Comment 7: Section 3.1, page 3-1, third paragraph. Soil samples collected from the excavation wall adjacent to the concrete slab exceeded the provisional PCE cleanup level of 200 ug/kg. Given that the EPA has established an even lower soil PCE cleanup goal to be protective of groundwater, the report should discuss the potential for the

residual contaminants at these sample sites (and others exceeding the cleanup goals) to serve as ongoing sources of groundwater contamination.

Response: See response to General Comment No. 1.

Comment 8: **Table 3.2.** Please include a brief discussion of the data qualifiers used in this table, particularly the "D" qualifier, in the associated text on page 3-2.

Response: Explanation of data qualifiers will be added to the text.

Comment 9: **Section 3.2, page 3-2.** Based on Tables 3-1 and 3-2 and the associated figures, almost half of the samples that underwent both CLP and field GC analysis show higher PCE concentrations in the CLP results than the GC results. See General Comment 2. The text on page 3-2 should discuss why this is the case, and how this finding may affect interpretation of all of the field GC results.

Response: See response to General Comment No. 2.

Comment 10: **Section 3.3, page 3-3.** The organic carbon content is reported as 0.015 (1.5 %) in a sample collected from a depth of 5 - 6.5 ft. This value is almost three times higher than the value reported from the O'Henry property from two EPA samples collected from the top two feet (average TOC = 0.6 %), and much higher than the organic carbon values of 0.0002 (0.02%) to 0.001 (0.1%) used by IT in the VLEACH modeling. The report should discuss the representativeness of this value relative to other site-reported or assumed TOC values, and its implications for PCE movement through the soils. The ASTM method (D2974-87) used by IT is a combustion/incineration method that will also count inorganic carbon (e.g., carbonate and bicarbonate), unless it is deliberately removed during the sample preparation stage. (The Lloyd Kahn method, "Determination of Total Organic Carbon in Sediment", 1988, which is often used by EPA, includes an acid treatment step during sample preparation to remove inorganic carbon.) Given the presence of carbonate rocks in the area, eroded carbonate material is probably present in many Tutu soils. This could account for the higher values reported in the subsurface by IT versus the surface soil values reported by EPA.

Response: Section 3.3, page 3-3 on geotechnical testing incorrectly reports the results of ASTM D-2974 as fraction of organic carbon. The actual parameter measured by ASTM D-2974 is the fractional organic material contained in the sample. As reported in Appendix A of the document, the two analyses performed by ASTM D-2974 produced fractional organic material results of 0.015 and 0.013. The fraction of organic

material can be related to the fraction of organic carbon by dividing by 1.724 (Dragun, J. 1988). Following this approach, and using the average fraction of organic material (0.014), yields a fractional organic carbon content of 0.008 or 0.8 percent. The model VLEACH uses "organic carbon fraction" as an input parameter which is why the ASTM method was applied by IT.

The percentage of organic carbon calculated by IT is, therefore, comparable with the percentage of total organic carbon as presented by the EPA. The fraction organic carbon value used by IT in calculation of the PCE cleanup standard using VLEACH (IT, 1994) was lower than the values determined from laboratory tests. The effect of using a higher fraction organic content in the previous modeling would have resulted in a higher cleanup standard. This will be added to the text.

Comment 11: Section 5.0, page 5-1, first sentence. Based on the residual PCE contamination greater than 200 ug/kg detected in soils in the excavation pit southeastern wall, this sentence should be revised to indicate that not all of the source of potential groundwater contamination at the O'Henry site has been removed.

Response: See response to General Comment No. 3.

Comment 12: Section 5.0, page 5-1, second bullet. The argument that the average PCE concentration in soils is nearly equal to the provisional cleanup level, when the reported PCE concentrations are as much as five times greater than the provisional level, is not valid. The text must be revised.

Response: We agree. See response to General Comment No. 1.

Comment 13: Section 5.0, page 5-1, second bullet, final sentence. The report states that, due to the distance to the water table (approximately 16 feet), PCE concentrations much greater than 200 ug/kg would be needed to result in detectable concentrations of PCE in groundwater. Based on EPA's soil leaching modeling, this statement is not true. Attached is a new soil profile constructed for the O'Henry property using the maximum residual contamination remaining at each depth in soils, post-excavation, as reported in the IT soil removal report. The site-wide values for infiltration, Kd and biodegradation were used. The corresponding contaminant breakthrough curve indicates that leaching of these soils will result in concentrations of PCE in groundwater of approximately 30 ug/l in the future, well above the drinking water standard of 5 ug/l.

The EPA model assumes a low organic carbon content in the deeper soil horizon, but allows for anaerobic biodegradation of PCE throughout the soil column. The modeling indicated that almost no

compound attenuation occurs in the deeper zone, due to the low organic carbon content and biodegradation rate loss terms used. Furthermore, PCE volatilization is predicted to be a very minor attenuation process at depths below about 1 meter due to the presence of anaerobic breakdown products found in soils below this depth. Therefore, PCE will migrate in leachate relatively unattenuated to the water table, regardless of the distance of the source from groundwater. The text should remove this statement.

Response: Please see response to General Comment No. 1.

Comment 14: Section 5.0, page 5-2. The text states that PCE concentrations were below detectable levels beneath 10 ft in boring ITSB-01. The report should indicate, however, that this boring may not be indicative of concentrations in surrounding soils. Based on sampling results shown in Figures 2-4 and 2-7, the higher PCE concentrations exist in nearby soils.

Response: Based on an evaluation of the spatial PCE concentrations from field GC and laboratory confirmation sampling shown in Figures 2-3 through 2-7 of the report, the depth profile for PCE concentrations in boring ITSB-01 appears representative of the depth profile of PCE concentration in soil in the excavation area. PCE which may have entered soil and migrated from the unpaved area back under the concrete will have the following characteristics:

- It is unlikely to have migrated more than a few feet horizontally.
- It will not volatilize as fast because it is effectively "capped."
- It will not migrate vertically downward in the dissolved phase as fast because there is a reduced driving force (i.e., lower infiltration).

Given the above characteristics and visual observations which indicate no residual free phase in soil and no vertical pathway for preferred contaminant migration (soils are uniform) the contaminant profile in boring ITSB-01 may not be indicative of concentrations in soils beneath the paved area in terms of actual concentrations; however, it likely accurately reflects the "general profile" where the maximum concentration of PCE in soil is between 5 and 10 feet below grade and there is non-detect below 10 feet. This will be added to the text.

Comment 15: Section 5.0, page 5-2, first paragraph, last sentence. The report states that excavation of soils to a depth of 8 ft has removed all PCE-contaminated soil. Given the sampling results provided in the report, this is a false and misleading sentence which must be revised.

Response: See response to General Comment No. 3.

Comment 16: Section 5.0, page 5-2. The report recommends that no further in situ remediation be performed at the site. However, the revised EPA soil action levels for PCE indicate that the concentrations of PCE remaining in soils in the vicinity of the excavation will be ongoing sources of PCE contamination of groundwater above MCLs. Based on the site findings and EPA's soil action levels, some form of additional soil remedial action is required. The use of soil vapor extraction (SVE) and angled extraction wells, for example, could be effective in removing residual PCE beneath the adjacent building.

Response: See response to General Comment No. 1.

References

CDM Federal Programs Corporation, 1995, *Final Report Estimation of Soil Cleanup Concentrations Required to Protect Groundwater as a Source of Drinking Water, Tutu Wells Site, U.S. Virgin Islands.*

Dragun, J., 1988, *The Soil Chemistry of Hazardous Materials*, Hazardous Materials Control Research Institute.

IT Corporation, 1994, *Work Plan for Evaluation and Interim Remediation of Soils O'Henry Laundry, Tutu, St. Thomas, U.S. Virgin Islands.*

IT Corporation, 1995, *Soil Remediation Report, O'Henry Laundry, Tutu, St. Thomas, U.S. Virgin Islands.*

Table 1

**Concentration Profiles Used in the Model
O'Henry Laundry, St. Thomas, U.S. Virgin Islands**

Concentration Profile No.	Depth Interval (ft)	PCE Concentration (ppb)
1	0 - 8.25	0
	8.25 - 10	170
2	0 - 3	38
	3 - 5	560
	5 - 10	1100

Table 2

**Highest Groundwater PCE Concentrations
O'Henry Laundry
St. Thomas, U.S. Virgin Islands**

	Concentration Profile No. (Refer Table 1)	Highest Groundwater PCE Concentration (µg/L)	Time for Peak Impact (Years)
Beneath Excavated Area	1	0.026	76
Beneath Paved Concrete Area	2	0.44	90

Table 3

**Summary of Organic Vapor Readings
O'Henry Laundry
St. Thomas, U.S. Virgin Islands**

Sample No.	PID Reading (ppm)
EXS06	2
EXS07	0.1
EXS08	22
EXS09	34
EXS10	0.2
EXS11	0.25
EXS12	0.5
EXS13	1.8
EXS14	1.8
EXS15	0.1
EXS16	0.3
EXS17	0.5
EXS18	1.0
EXS19	0
EXS20	0
EXS21	0.5
EXS22	1.0
EXS23	2.0
EXS24	1.0
EXS25	4.0
EXS26	1.5
EXS27	1.5
EXS28	11.0
EXS29	3.0
EXS30	3.0
EXS31	7.5
EXS32	1.0
EXS33	4.0
EXS34	2.0
EXS35	0.5

Table 4
A Comparison of PCE Results (µg/kg)

Sample Number	Field GC	IT Laboratory	EPA Laboratory
ITSB-01-05.0	237.69^a	120	
ITSB-01-10.0	12.38	2 J	
ITSB-01-14.5	4.33/4.98	11 U	
EXS01	214.40	140 D	
EXS02	197.26	120	
EXS03	181.34	54	
EXS04	324.09	100 D	
EXS05	83.95	100	
EXS23	275.38	290 D	100 J
EXS24	57.80	21	2 J
EXS25	173.90	190	210 J
EXS26	220.33	300 D	
EXS27	195.14	850 D/570 D	
EXS28	242.71	210 D	220 J
EXS29	171.46	150 D	
EXS30	155.45	1100	480 J
EXS31	169.41	560 D	630 J
EXS32	63.61	38	34 J
EXS33	15.17	31	30 J
EXS34	74.60	170	30 J
EXS35	109.65	160	

^aHighlighting indicates which analytical method yielded the highest concentration for each sample.

FIGURE 1

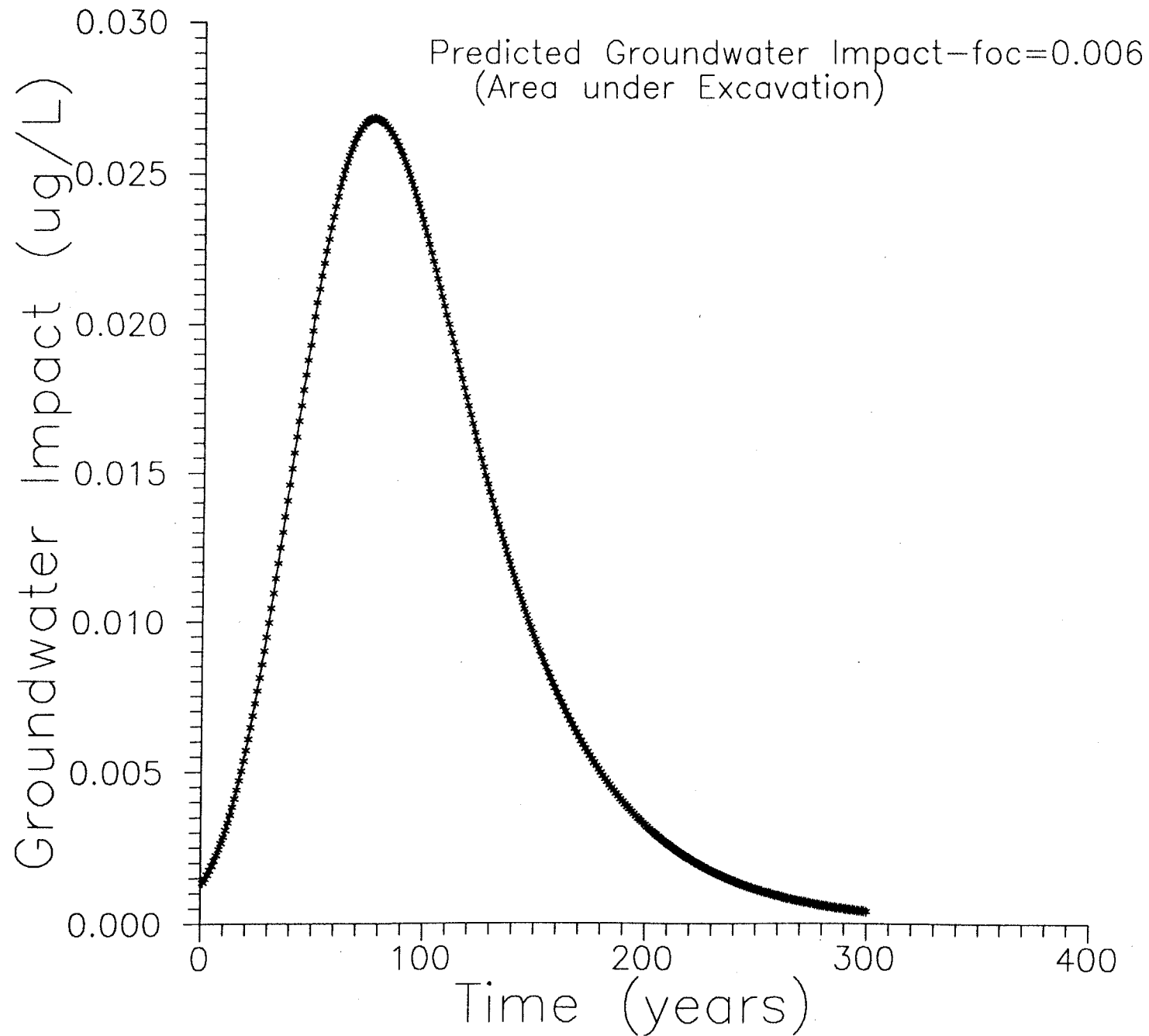
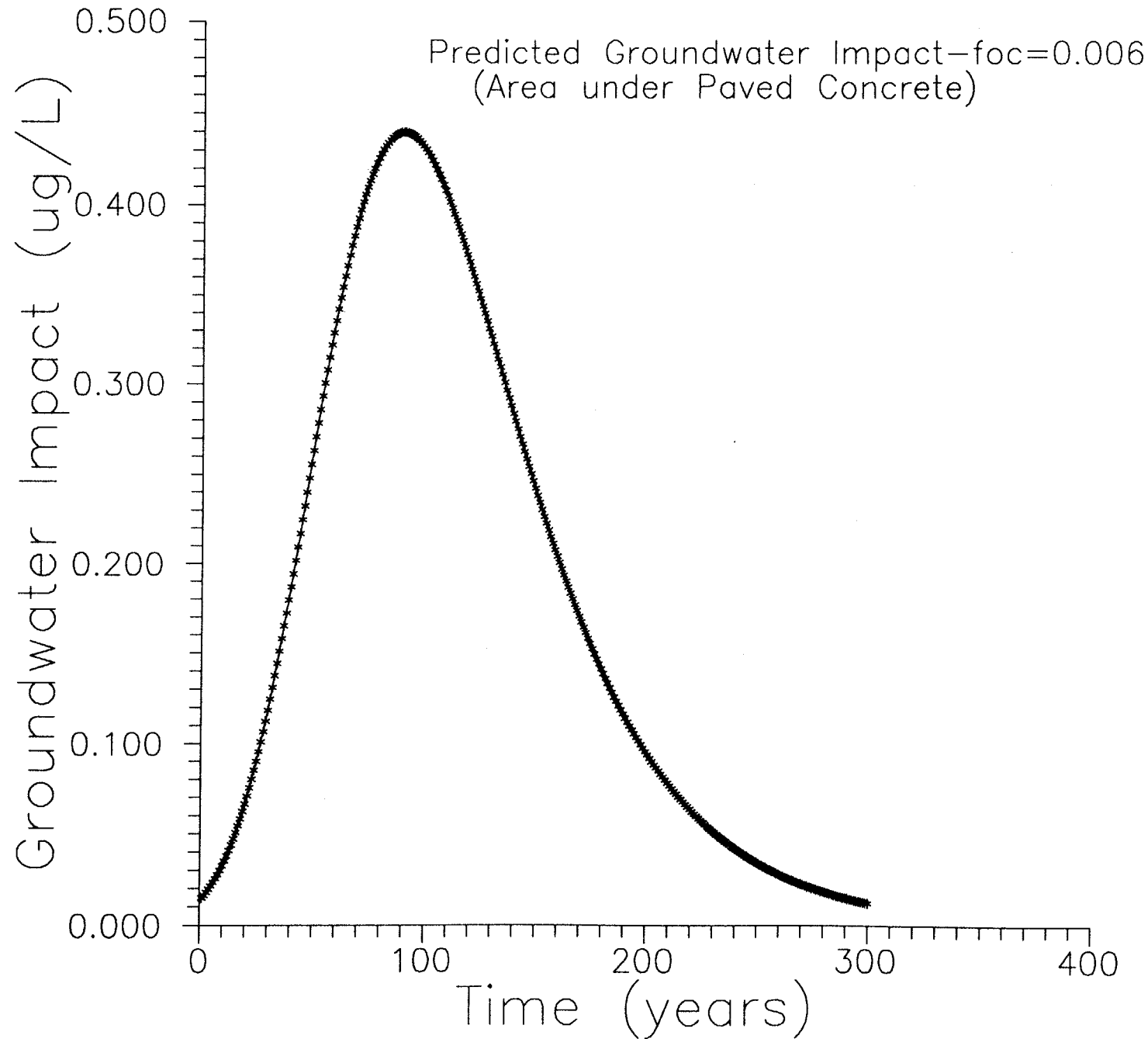


FIGURE 2



VLEACH
version 2.0, 1993.

developed by :

Varadhan Ravi and Jeffrey A. Johnson (Dynamac)
Center for Subsurface Modeling Support
Robert S. Kerr Environmental Research Laboratory
U.S. Environmental Protection Agency
P.O. Box 1198
Ada, OK 74820

L'Henri Simulation.

1 polygons.

Time step = 1.00 years. Simulation length = 300.00 years.

Printout every 5.00 years. Vertical profile stored every 5.00 years.

Koc = 364.00 ml/g, 0.12854E-01 cu.ft./g

Kh = 0.92300 (dimensionless).

Aqueous solubility = 150.00 mg/l, 4.2476 g/cu.ft

Free air diffusion coefficient = .66000 sq. m/day, 2593.1 sq.ft./yr

Polygon 1

Polygon I

Polygon area = 1.0000 sq. ft.

100 cells, each cell 0.200 ft. thick.

Soil Properties:

bulk density = 1.5300 g/ml, 43325. g/cu.ft.

Porosity = 0.4000 Volumetric water content = 0.3000

Organic carbon content = 0.00600000

Recharge Rate = 0.40000001 ft/yr

Conc. in recharge water = 0.00000 mg/l, 0.00000 g/cu.ft

Atmospheric concentration = 0.00000 mg/l, 0.00000 g/cu.ft

Water table has a fixed concentration of 0.00000 mg/l, 0.00000 g/
with respect to gas diffusion.

VLEACH
version 2.0, 1993.

Developed by :

Varadhan Ravi and Jeffrey A. Johnson (Dynamac)
Center for Subsurface Modeling Support
Robert S. Kerr Environmental Research Laboratory
U.S. Environmental Protection Agency
P.O. Box 1198
Ada, OK 74820

L'Henri Simulation.

Polygon 1

At time = 0.00, total mass in vadose zone = 0.14730E-01g/sq.ft.
Mass in gas phase = 0.36413E-03g/sq.ft.
Mass in liquid phase = 0.11835E-02g/sq.ft.
Mass sorbed = 0.13182E-01g/sq.ft.

Polygon 1

At time = 5.00, total mass in vadose zone = 0.14626E-01g/sq.ft.
Mass in gas phase = 0.36154E-03g/sq.ft.
Mass in liquid phase = 0.11751E-02g/sq.ft.
Mass sorbed = 0.13089E-01g/sq.ft.

Since last printout at time = 0.00

Change in Total Mass = -0.10443E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11034E-05g/sq.ft.
Diffusion in from atmosphere = -0.65440E-04g/sq.ft.
Diffusion in from water table = -0.37887E-04g/sq.ft.
Total inflow at boundaries = -0.10443E-03g/sq.ft.
Mass discrepancy = 0.41109E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.10443E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11034E-05g/sq.ft.
Diffusion in from atmosphere = -0.65440E-04g/sq.ft.
Diffusion in from water table = -0.37887E-04g/sq.ft.
Total inflow at boundaries = -0.10443E-03g/sq.ft.
Mass discrepancy = 0.41109E-08g/sq.ft.

Polygon 1

At time = 10.00, total mass in vadose zone = 0.14506E-01g/sq.ft.
Mass in gas phase = 0.35859E-03g/sq.ft.
Mass in liquid phase = 0.11655E-02g/sq.ft.
Mass sorbed = 0.12982E-01g/sq.ft.

Since last printout at time = 5.00

Change in Total Mass = -0.11934E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.56155E-05g/sq.ft.
Diffusion in from atmosphere = -0.60424E-04g/sq.ft.

Diffusion in from water table = -0.53300E-04g/sq.ft.
Total inflow at boundaries = -0.11934E-03g/sq.ft.
Mass discrepancy = 0.40163E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.22376E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.67189E-05g/sq.ft.
Diffusion in from atmosphere = -0.12586E-03g/sq.ft.
Diffusion in from water table = -0.91187E-04g/sq.ft.
Total inflow at boundaries = -0.22377E-03g/sq.ft.
Mass discrepancy = 0.81345E-08g/sq.ft.

Polygon 1

At time = 15.00, total mass in vadose zone = 0.14365E-01g/sq.ft.
Mass in gas phase = 0.35510E-03g/sq.ft.
Mass in liquid phase = 0.11542E-02g/sq.ft.
Mass sorbed = 0.12856E-01g/sq.ft.

Since last printout at time = 10.00

Change in Total Mass = -0.14141E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13952E-04g/sq.ft.
Diffusion in from atmosphere = -0.55518E-04g/sq.ft.
Diffusion in from water table = -0.71948E-04g/sq.ft.
Total inflow at boundaries = -0.14142E-03g/sq.ft.
Mass discrepancy = 0.44674E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.36518E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.20671E-04g/sq.ft.
Diffusion in from atmosphere = -0.18138E-03g/sq.ft.
Diffusion in from water table = -0.16313E-03g/sq.ft.
Total inflow at boundaries = -0.36519E-03g/sq.ft.
Mass discrepancy = 0.12602E-07g/sq.ft.

Polygon 1

At time = 20.00, total mass in vadose zone = 0.14193E-01g/sq.ft.
Mass in gas phase = 0.35085E-03g/sq.ft.
Mass in liquid phase = 0.11404E-02g/sq.ft.
Mass sorbed = 0.12702E-01g/sq.ft.

Since last printout at time = 15.00

Change in Total Mass = -0.17180E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.27400E-04g/sq.ft.
Diffusion in from atmosphere = -0.50827E-04g/sq.ft.
Diffusion in from water table = -0.93579E-04g/sq.ft.
Total inflow at boundaries = -0.17181E-03g/sq.ft.
Mass discrepancy = 0.30122E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.53698E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.48071E-04g/sq.ft.
Diffusion in from atmosphere = -0.23221E-03g/sq.ft.
Diffusion in from water table = -0.25671E-03g/sq.ft.

Total inflow at boundaries = -0.53699E-03g/sq.ft.
Mass discrepancy = 0.15658E-07g/sq.ft.

Polygon 1

At time = 25.00, total mass in vadose zone = 0.13982E-01g/sq.ft.
Mass in gas phase = 0.34564E-03g/sq.ft.
Mass in liquid phase = 0.11234E-02g/sq.ft.
Mass sorbed = 0.12513E-01g/sq.ft.

Since last printout at time = 20.00

Change in Total Mass = -0.21102E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.47006E-04g/sq.ft.
Diffusion in from atmosphere = -0.46408E-04g/sq.ft.
Diffusion in from water table = -0.11761E-03g/sq.ft.
Total inflow at boundaries = -0.21102E-03g/sq.ft.
Mass discrepancy = 0.46566E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.74799E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.95076E-04g/sq.ft.
Diffusion in from atmosphere = -0.27862E-03g/sq.ft.
Diffusion in from water table = -0.37432E-03g/sq.ft.
Total inflow at boundaries = -0.74801E-03g/sq.ft.
Mass discrepancy = 0.20314E-07g/sq.ft.

Polygon 1

At time = 30.00, total mass in vadose zone = 0.13723E-01g/sq.ft.
Mass in gas phase = 0.33924E-03g/sq.ft.
Mass in liquid phase = 0.11026E-02g/sq.ft.
Mass sorbed = 0.12282E-01g/sq.ft.

Since last printout at time = 25.00

Change in Total Mass = -0.25864E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.73232E-04g/sq.ft.
Diffusion in from atmosphere = -0.42287E-04g/sq.ft.
Diffusion in from water table = -0.14313E-03g/sq.ft.
Total inflow at boundaries = -0.25865E-03g/sq.ft.
Mass discrepancy = 0.61118E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.10066E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.16831E-03g/sq.ft.
Diffusion in from atmosphere = -0.32090E-03g/sq.ft.
Diffusion in from water table = -0.51745E-03g/sq.ft.
Total inflow at boundaries = -0.10067E-02g/sq.ft.
Mass discrepancy = 0.26426E-07g/sq.ft.

Polygon 1

At time = 35.00, total mass in vadose zone = 0.13410E-01g/sq.ft.
Mass in gas phase = 0.33150E-03g/sq.ft.
Mass in liquid phase = 0.10775E-02g/sq.ft.
Mass sorbed = 0.12001E-01g/sq.ft.

Since last printout at time = 30.00

Change in Total Mass = -0.31320E-03g/sq.ft.

Advection in from atmosphere = 0.00000 g/sq.ft.

Advection in from water table = -0.10574E-03g/sq.ft.

Diffusion in from atmosphere = -0.38474E-04g/sq.ft.

Diffusion in from water table = -0.16900E-03g/sq.ft.

Total inflow at boundaries = -0.31321E-03g/sq.ft.

Mass discrepancy = 0.29104E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13198E-02g/sq.ft.

Advection in from atmosphere = 0.00000 g/sq.ft.

Advection in from water table = -0.27404E-03g/sq.ft.

Diffusion in from atmosphere = -0.35938E-03g/sq.ft.

Diffusion in from water table = -0.68645E-03g/sq.ft.

Total inflow at boundaries = -0.13199E-02g/sq.ft.

Mass discrepancy = 0.29337E-07g/sq.ft.

Polygon 1

At time = 40.00, total mass in vadose zone = 0.13038E-01g/sq.ft.

Mass in gas phase = 0.32230E-03g/sq.ft.

Mass in liquid phase = 0.10476E-02g/sq.ft.

Mass sorbed = 0.11668E-01g/sq.ft.

Since last printout at time = 35.00

Change in Total Mass = -0.37223E-03g/sq.ft.

Advection in from atmosphere = 0.00000 g/sq.ft.

Advection in from water table = -0.14332E-03g/sq.ft.

Diffusion in from atmosphere = -0.34963E-04g/sq.ft.

Diffusion in from water table = -0.19395E-03g/sq.ft.

Total inflow at boundaries = -0.37224E-03g/sq.ft.

Mass discrepancy = 0.91386E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.16921E-02g/sq.ft.

Advection in from atmosphere = 0.00000 g/sq.ft.

Advection in from water table = -0.41737E-03g/sq.ft.

Diffusion in from atmosphere = -0.39434E-03g/sq.ft.

Diffusion in from water table = -0.88040E-03g/sq.ft.

Total inflow at boundaries = -0.16921E-02g/sq.ft.

Mass discrepancy = 0.38417E-07g/sq.ft.

Polygon 1

At time = 45.00, total mass in vadose zone = 0.12605E-01g/sq.ft.

Mass in gas phase = 0.31160E-03g/sq.ft.

Mass in liquid phase = 0.10128E-02g/sq.ft.

Mass sorbed = 0.11281E-01g/sq.ft.

Since last printout at time = 40.00

Change in Total Mass = -0.43260E-03g/sq.ft.

Advection in from atmosphere = 0.00000 g/sq.ft.

Advection in from water table = -0.18410E-03g/sq.ft.

Diffusion in from atmosphere = -0.31742E-04g/sq.ft.

Diffusion in from water table = -0.21676E-03g/sq.ft.

Total inflow at boundaries = -0.43260E-03g/sq.ft.

Mass discrepancy = 0.84401E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.21247E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.60147E-03g/sq.ft.
Diffusion in from atmosphere = -0.42608E-03g/sq.ft.
Diffusion in from water table = -0.10972E-02g/sq.ft.
Total inflow at boundaries = -0.21247E-02g/sq.ft.
Mass discrepancy = 0.39116E-07g/sq.ft.

Polygon 1

At time = 50.00, total mass in vadose zone = 0.12114E-01g/sq.ft.
Mass in gas phase = 0.29947E-03g/sq.ft.
Mass in liquid phase = 0.97336E-03g/sq.ft.
Mass sorbed = 0.10842E-01g/sq.ft.

Since last printout at time = 45.00

Change in Total Mass = -0.49086E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.22574E-03g/sq.ft.
Diffusion in from atmosphere = -0.28795E-04g/sq.ft.
Diffusion in from water table = -0.23633E-03g/sq.ft.
Total inflow at boundaries = -0.49086E-03g/sq.ft.
Mass discrepancy = 0.19791E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.26155E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.82720E-03g/sq.ft.
Diffusion in from atmosphere = -0.45488E-03g/sq.ft.
Diffusion in from water table = -0.13335E-02g/sq.ft.
Total inflow at boundaries = -0.26156E-02g/sq.ft.
Mass discrepancy = 0.40978E-07g/sq.ft.

Polygon 1

At time = 55.00, total mass in vadose zone = 0.11571E-01g/sq.ft.
Mass in gas phase = 0.28603E-03g/sq.ft.
Mass in liquid phase = 0.92967E-03g/sq.ft.
Mass sorbed = 0.10355E-01g/sq.ft.

Since last printout at time = 50.00

Change in Total Mass = -0.54374E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.26579E-03g/sq.ft.
Diffusion in from atmosphere = -0.26105E-04g/sq.ft.
Diffusion in from water table = -0.25186E-03g/sq.ft.
Total inflow at boundaries = -0.54375E-03g/sq.ft.
Mass discrepancy = 0.71013E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.31593E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.10930E-02g/sq.ft.
Diffusion in from atmosphere = -0.48098E-03g/sq.ft.
Diffusion in from water table = -0.15853E-02g/sq.ft.
Total inflow at boundaries = -0.31593E-02g/sq.ft.
Mass discrepancy = 0.48196E-07g/sq.ft.

Polygon 1

At time = 60.00, total mass in vadose zone = 0.10982E-01g/sq.ft.
Mass in gas phase = 0.27148E-03g/sq.ft.
Mass in liquid phase = 0.88239E-03g/sq.ft.
Mass sorbed = 0.98284E-02g/sq.ft.

Since last printout at time = 55.00
Change in Total Mass = -0.58847E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.30200E-03g/sq.ft.
Diffusion in from atmosphere = -0.23653E-04g/sq.ft.
Diffusion in from water table = -0.26282E-03g/sq.ft.
Total inflow at boundaries = -0.58847E-03g/sq.ft.
Mass discrepancy = 0.18044E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.37477E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13950E-02g/sq.ft.
Diffusion in from atmosphere = -0.50464E-03g/sq.ft.
Diffusion in from water table = -0.18482E-02g/sq.ft.
Total inflow at boundaries = -0.37478E-02g/sq.ft.
Mass discrepancy = 0.50059E-07g/sq.ft.

Polygon 1
At time = 65.00, total mass in vadose zone = 0.10359E-01g/sq.ft.
Mass in gas phase = 0.25608E-03g/sq.ft.
Mass in liquid phase = 0.83233E-03g/sq.ft.
Mass sorbed = 0.92709E-02g/sq.ft.

Since last printout at time = 60.00
Change in Total Mass = -0.62300E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.33254E-03g/sq.ft.
Diffusion in from atmosphere = -0.21419E-04g/sq.ft.
Diffusion in from water table = -0.26905E-03g/sq.ft.
Total inflow at boundaries = -0.62301E-03g/sq.ft.
Mass discrepancy = 0.30268E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.43707E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.17275E-02g/sq.ft.
Diffusion in from atmosphere = -0.52606E-03g/sq.ft.
Diffusion in from water table = -0.21172E-02g/sq.ft.
Total inflow at boundaries = -0.43708E-02g/sq.ft.
Mass discrepancy = 0.52620E-07g/sq.ft.

Polygon 1
At time = 70.00, total mass in vadose zone = 0.97131E-02g/sq.ft.
Mass in gas phase = 0.24011E-03g/sq.ft.
Mass in liquid phase = 0.78041E-03g/sq.ft.
Mass sorbed = 0.86926E-02g/sq.ft.

Since last printout at time = 65.00
Change in Total Mass = -0.64618E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.35615E-03g/sq.ft.
Diffusion in from atmosphere = -0.19388E-04g/sq.ft.

Diffusion in from water table = -0.27065E-03g/sq.ft.
Total inflow at boundaries = -0.64619E-03g/sq.ft.
Mass discrepancy = 0.45402E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.50169E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.20837E-02g/sq.ft.
Diffusion in from atmosphere = -0.54544E-03g/sq.ft.
Diffusion in from water table = -0.23879E-02g/sq.ft.
Total inflow at boundaries = -0.50170E-02g/sq.ft.
Mass discrepancy = 0.56811E-07g/sq.ft.

Polygon 1

At time = 75.00, total mass in vadose zone = 0.90554E-02g/sq.ft.
Mass in gas phase = 0.22385E-03g/sq.ft.
Mass in liquid phase = 0.72757E-03g/sq.ft.
Mass sorbed = 0.81040E-02g/sq.ft.

Since last printout at time = 70.00

Change in Total Mass = -0.65771E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.37219E-03g/sq.ft.
Diffusion in from atmosphere = -0.17541E-04g/sq.ft.
Diffusion in from water table = -0.26798E-03g/sq.ft.
Total inflow at boundaries = -0.65771E-03g/sq.ft.
Mass discrepancy = 0.40745E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.56746E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.24559E-02g/sq.ft.
Diffusion in from atmosphere = -0.56298E-03g/sq.ft.
Diffusion in from water table = -0.26558E-02g/sq.ft.
Total inflow at boundaries = -0.56747E-02g/sq.ft.
Mass discrepancy = 0.57276E-07g/sq.ft.

Polygon 1

At time = 80.00, total mass in vadose zone = 0.83974E-02g/sq.ft.
Mass in gas phase = 0.20758E-03g/sq.ft.
Mass in liquid phase = 0.67470E-03g/sq.ft.
Mass sorbed = 0.75151E-02g/sq.ft.

Since last printout at time = 75.00

Change in Total Mass = -0.65803E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.38058E-03g/sq.ft.
Diffusion in from atmosphere = -0.15864E-04g/sq.ft.
Diffusion in from water table = -0.26159E-03g/sq.ft.
Total inflow at boundaries = -0.65803E-03g/sq.ft.
Mass discrepancy = 0.34925E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.63327E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.28364E-02g/sq.ft.
Diffusion in from atmosphere = -0.57885E-03g/sq.ft.
Diffusion in from water table = -0.29174E-02g/sq.ft.

Total inflow at boundaries = -0.63327E-02g/sq.ft.
Mass discrepancy = 0.60536E-07g/sq.ft.

Polygon 1

At time = 85.00, total mass in vadose zone = 0.77492E-02g/sq.ft.
Mass in gas phase = 0.19156E-03g/sq.ft.
Mass in liquid phase = 0.62262E-02g/sq.ft.
Mass sorbed = 0.69350E-02g/sq.ft.

Since last printout at time = 80.00

Change in Total Mass = -0.64820E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.38176E-03g/sq.ft.
Diffusion in from atmosphere = -0.14341E-04g/sq.ft.
Diffusion in from water table = -0.25211E-03g/sq.ft.
Total inflow at boundaries = -0.64820E-03g/sq.ft.
Mass discrepancy = 0.18626E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.69809E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.32182E-02g/sq.ft.
Diffusion in from atmosphere = -0.59319E-03g/sq.ft.
Diffusion in from water table = -0.31695E-02g/sq.ft.
Total inflow at boundaries = -0.69809E-02g/sq.ft.
Mass discrepancy = 0.62864E-07g/sq.ft.

Polygon 1

At time = 90.00, total mass in vadose zone = 0.71195E-02g/sq.ft.
Mass in gas phase = 0.17599E-03g/sq.ft.
Mass in liquid phase = 0.57203E-03g/sq.ft.
Mass sorbed = 0.63715E-02g/sq.ft.

Since last printout at time = 85.00

Change in Total Mass = -0.62967E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.37648E-03g/sq.ft.
Diffusion in from atmosphere = -0.12960E-04g/sq.ft.
Diffusion in from water table = -0.24023E-03g/sq.ft.
Total inflow at boundaries = -0.62968E-03g/sq.ft.
Mass discrepancy = 0.18626E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.76105E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.35947E-02g/sq.ft.
Diffusion in from atmosphere = -0.60615E-03g/sq.ft.
Diffusion in from water table = -0.34098E-02g/sq.ft.
Total inflow at boundaries = -0.76106E-02g/sq.ft.
Mass discrepancy = 0.64727E-07g/sq.ft.

Polygon 1

At time = 95.00, total mass in vadose zone = 0.65154E-02g/sq.ft.
Mass in gas phase = 0.16106E-03g/sq.ft.
Mass in liquid phase = 0.52349E-03g/sq.ft.
Mass sorbed = 0.58308E-02g/sq.ft.

Since last printout at time = 90.00
 Change in Total Mass = -0.60412E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.36577E-03g/sq.ft.
 Diffusion in from atmosphere = -0.11708E-04g/sq.ft.
 Diffusion in from water table = -0.22664E-03g/sq.ft.
 Total inflow at boundaries = -0.60412E-03g/sq.ft.
 Mass discrepancy = 0.22119E-08g/sq.ft.

Since beginning of run at time = 0.0
 Change in Total Mass = -0.82147E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.39604E-02g/sq.ft.
 Diffusion in from atmosphere = -0.61786E-03g/sq.ft.
 Diffusion in from water table = -0.36364E-02g/sq.ft.
 Total inflow at boundaries = -0.82147E-02g/sq.ft.
 Mass discrepancy = 0.67987E-07g/sq.ft.

Polygon 1
 At time = 100.00, total mass in vadose zone = 0.59421E-02g/sq.ft.
 Mass in gas phase = 0.14689E-03g/sq.ft.
 Mass in liquid phase = 0.47743E-03g/sq.ft.
 Mass sorbed = 0.53178E-02g/sq.ft.

Since last printout at time = 95.00
 Change in Total Mass = -0.57326E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.35074E-03g/sq.ft.
 Diffusion in from atmosphere = -0.10574E-04g/sq.ft.
 Diffusion in from water table = -0.21195E-03g/sq.ft.
 Total inflow at boundaries = -0.57326E-03g/sq.ft.
 Mass discrepancy = 0.81491E-09g/sq.ft.

Since beginning of run at time = 0.0
 Change in Total Mass = -0.87879E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.43112E-02g/sq.ft.
 Diffusion in from atmosphere = -0.62843E-03g/sq.ft.
 Diffusion in from water table = -0.38484E-02g/sq.ft.
 Total inflow at boundaries = -0.87880E-02g/sq.ft.
 Mass discrepancy = 0.67987E-07g/sq.ft.

Polygon 1
 At time = 105.00, total mass in vadose zone = 0.54033E-02g/sq.ft.
 Mass in gas phase = 0.13357E-03g/sq.ft.
 Mass in liquid phase = 0.43414E-03g/sq.ft.
 Mass sorbed = 0.48356E-02g/sq.ft.

Since last printout at time = 100.00
 Change in Total Mass = -0.53876E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.33249E-03g/sq.ft.
 Diffusion in from atmosphere = -0.95470E-05g/sq.ft.
 Diffusion in from water table = -0.19672E-03g/sq.ft.
 Total inflow at boundaries = -0.53876E-03g/sq.ft.
 Mass discrepancy = 0.16298E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.93267E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.46437E-02g/sq.ft.
 Diffusion in from atmosphere = -0.63798E-03g/sq.ft.
 Diffusion in from water table = -0.40451E-02g/sq.ft.
 Total inflow at boundaries = -0.93267E-02g/sq.ft.
 Mass discrepancy = 0.69849E-07g/sq.ft.

Polygon 1

At time = 110.00, total mass in vadose zone = 0.49012E-02g/sq.ft.
 Mass in gas phase = 0.12116E-03g/sq.ft.
 Mass in liquid phase = 0.39380E-03g/sq.ft.
 Mass sorbed = 0.43863E-02g/sq.ft.

Since last printout at time = 105.00

Change in Total Mass = -0.50211E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.31209E-03g/sq.ft.
 Diffusion in from atmosphere = -0.86177E-05g/sq.ft.
 Diffusion in from water table = -0.18140E-03g/sq.ft.
 Total inflow at boundaries = -0.50211E-03g/sq.ft.
 Mass discrepancy = 0.98953E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.98288E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.49558E-02g/sq.ft.
 Diffusion in from atmosphere = -0.64660E-03g/sq.ft.
 Diffusion in from water table = -0.42265E-02g/sq.ft.
 Total inflow at boundaries = -0.98288E-02g/sq.ft.
 Mass discrepancy = 0.70781E-07g/sq.ft.

Polygon 1

At time = 115.00, total mass in vadose zone = 0.44366E-02g/sq.ft.
 Mass in gas phase = 0.10967E-03g/sq.ft.
 Mass in liquid phase = 0.35647E-03g/sq.ft.
 Mass sorbed = 0.39705E-02g/sq.ft.

Since last printout at time = 110.00

Change in Total Mass = -0.46458E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.29046E-03g/sq.ft.
 Diffusion in from atmosphere = -0.77772E-05g/sq.ft.
 Diffusion in from water table = -0.16635E-03g/sq.ft.
 Total inflow at boundaries = -0.46459E-03g/sq.ft.
 Mass discrepancy = 0.23574E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.10293E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.52462E-02g/sq.ft.
 Diffusion in from atmosphere = -0.65437E-03g/sq.ft.
 Diffusion in from water table = -0.43928E-02g/sq.ft.
 Total inflow at boundaries = -0.10293E-01g/sq.ft.
 Mass discrepancy = 0.72643E-07g/sq.ft.

Polygon 1

At time = 120.00, total mass in vadose zone = 0.40094E-02g/sq.ft.
Mass in gas phase = 0.99113E-04g/sq.ft.
Mass in liquid phase = 0.32214E-03g/sq.ft.
Mass sorbed = 0.35882E-02g/sq.ft.

Since last printout at time = 115.00
Change in Total Mass = -0.42724E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.26838E-03g/sq.ft.
Diffusion in from atmosphere = -0.70172E-05g/sq.ft.
Diffusion in from water table = -0.15184E-03g/sq.ft.
Total inflow at boundaries = -0.42724E-03g/sq.ft.
Mass discrepancy = 0.46566E-09g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.10721E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.55146E-02g/sq.ft.
Diffusion in from atmosphere = -0.66139E-03g/sq.ft.
Diffusion in from water table = -0.45447E-02g/sq.ft.
Total inflow at boundaries = -0.10721E-01g/sq.ft.
Mass discrepancy = 0.73574E-07g/sq.ft.

Polygon 1
At time = 125.00, total mass in vadose zone = 0.36185E-02g/sq.ft.
Mass in gas phase = 0.89450E-04g/sq.ft.
Mass in liquid phase = 0.29074E-03g/sq.ft.
Mass sorbed = 0.32384E-02g/sq.ft.

Since last printout at time = 120.00
Change in Total Mass = -0.39087E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.24646E-03g/sq.ft.
Diffusion in from atmosphere = -0.63305E-05g/sq.ft.
Diffusion in from water table = -0.13808E-03g/sq.ft.
Total inflow at boundaries = -0.39087E-03g/sq.ft.
Mass discrepancy = 0.10477E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.11111E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.57611E-02g/sq.ft.
Diffusion in from atmosphere = -0.66772E-03g/sq.ft.
Diffusion in from water table = -0.46827E-02g/sq.ft.
Total inflow at boundaries = -0.11112E-01g/sq.ft.
Mass discrepancy = 0.74506E-07g/sq.ft.

Polygon 1
At time = 130.00, total mass in vadose zone = 0.32625E-02g/sq.ft.
Mass in gas phase = 0.80648E-04g/sq.ft.
Mass in liquid phase = 0.26213E-03g/sq.ft.
Mass sorbed = 0.29197E-02g/sq.ft.

Since last printout at time = 125.00
Change in Total Mass = -0.35608E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.22519E-03g/sq.ft.
Diffusion in from atmosphere = -0.57101E-05g/sq.ft.

Diffusion in from water table = -0.12518E-03g/sq.ft.
Total inflow at boundaries = -0.35608E-03g/sq.ft.
Mass discrepancy = 0.78580E-09g/sq.ft.

ce beginning of run at time = 0.0

Change in Total Mass = -0.11468E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.59863E-02g/sq.ft.
Diffusion in from atmosphere = -0.67343E-03g/sq.ft.
Diffusion in from water table = -0.48079E-02g/sq.ft.
Total inflow at boundaries = -0.11468E-01g/sq.ft.
Mass discrepancy = 0.75437E-07g/sq.ft.

Polygon 1

At time = 135.00, total mass in vadose zone = 0.29392E-02g/sq.ft.
Mass in gas phase = 0.72657E-04g/sq.ft.
Mass in liquid phase = 0.23616E-03g/sq.ft.
Mass sorbed = 0.26304E-02g/sq.ft.

Since last printout at time = 130.00

Change in Total Mass = -0.32326E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.20490E-03g/sq.ft.
Diffusion in from atmosphere = -0.51498E-05g/sq.ft.
Diffusion in from water table = -0.11320E-03g/sq.ft.
Total inflow at boundaries = -0.32326E-03g/sq.ft.
Mass discrepancy = 0.90222E-09g/sq.ft.

ce beginning of run at time = 0.0

Change in Total Mass = -0.11791E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.61912E-02g/sq.ft.
Diffusion in from atmosphere = -0.67858E-03g/sq.ft.
Diffusion in from water table = -0.49211E-02g/sq.ft.
Total inflow at boundaries = -0.11791E-01g/sq.ft.
Mass discrepancy = 0.75437E-07g/sq.ft.

Polygon 1

At time = 140.00, total mass in vadose zone = 0.26466E-02g/sq.ft.
Mass in gas phase = 0.65423E-04g/sq.ft.
Mass in liquid phase = 0.21264E-03g/sq.ft.
Mass sorbed = 0.23685E-02g/sq.ft.

Since last printout at time = 135.00

Change in Total Mass = -0.29265E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.18582E-03g/sq.ft.
Diffusion in from atmosphere = -0.46440E-05g/sq.ft.
Diffusion in from water table = -0.10218E-03g/sq.ft.
Total inflow at boundaries = -0.29265E-03g/sq.ft.
Mass discrepancy = 0.40745E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.12083E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.63770E-02g/sq.ft.
Diffusion in from atmosphere = -0.68322E-03g/sq.ft.
Diffusion in from water table = -0.50233E-02g/sq.ft.

Total inflow at boundaries = -0.12084E-01g/sq.ft.
Mass discrepancy = 0.75437E-07g/sq.ft.

Polygon 1

At time = 145.00, total mass in vadose zone = 0.23822E-02g/sq.ft.
Mass in gas phase = 0.58888E-04g/sq.ft.
Mass in liquid phase = 0.19140E-03g/sq.ft.
Mass sorbed = 0.21319E-02g/sq.ft.

Since last printout at time = 140.00

Change in Total Mass = -0.26436E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.16807E-03g/sq.ft.
Diffusion in from atmosphere = -0.41874E-05g/sq.ft.
Diffusion in from water table = -0.92105E-04g/sq.ft.
Total inflow at boundaries = -0.26436E-03g/sq.ft.
Mass discrepancy = 0.75670E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.12348E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.65451E-02g/sq.ft.
Diffusion in from atmosphere = -0.68741E-03g/sq.ft.
Diffusion in from water table = -0.51154E-02g/sq.ft.
Total inflow at boundaries = -0.12348E-01g/sq.ft.
Mass discrepancy = 0.76368E-07g/sq.ft.

Polygon 1

At time = 150.00, total mass in vadose zone = 0.21438E-02g/sq.ft.
Mass in gas phase = 0.52994E-04g/sq.ft.
Mass in liquid phase = 0.17225E-03g/sq.ft.
Mass sorbed = 0.19185E-02g/sq.ft.

Since last printout at time = 145.00

Change in Total Mass = -0.23842E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.15171E-03g/sq.ft.
Diffusion in from atmosphere = -0.37755E-05g/sq.ft.
Diffusion in from water table = -0.82934E-04g/sq.ft.
Total inflow at boundaries = -0.23842E-03g/sq.ft.
Mass discrepancy = 0.68394E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.12586E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.66968E-02g/sq.ft.
Diffusion in from atmosphere = -0.69119E-03g/sq.ft.
Diffusion in from water table = -0.51984E-02g/sq.ft.
Total inflow at boundaries = -0.12586E-01g/sq.ft.
Mass discrepancy = 0.77300E-07g/sq.ft.

Polygon 1

At time = 155.00, total mass in vadose zone = 0.19290E-02g/sq.ft.
Mass in gas phase = 0.47685E-04g/sq.ft.
Mass in liquid phase = 0.15499E-03g/sq.ft.
Mass sorbed = 0.17263E-02g/sq.ft.

Since last printout at time = 150.00

Change in Total Mass = -0.21476E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13673E-03g/sq.ft.
Diffusion in from atmosphere = -0.34038E-05g/sq.ft.
Diffusion in from water table = -0.74624E-04g/sq.ft.
Total inflow at boundaries = -0.21476E-03g/sq.ft.
Mass discrepancy = 0.30559E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.12801E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.68335E-02g/sq.ft.
Diffusion in from atmosphere = -0.69459E-03g/sq.ft.
Diffusion in from water table = -0.52730E-02g/sq.ft.
Total inflow at boundaries = -0.12801E-01g/sq.ft.
Mass discrepancy = 0.77300E-07g/sq.ft.

Polygon 1

At time = 160.00, total mass in vadose zone = 0.17357E-02g/sq.ft.
Mass in gas phase = 0.42907E-04g/sq.ft.
Mass in liquid phase = 0.13946E-03g/sq.ft.
Mass sorbed = 0.15534E-02g/sq.ft.

Since last printout at time = 155.00

Change in Total Mass = -0.19328E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.12310E-03g/sq.ft.
Diffusion in from atmosphere = -0.30686E-05g/sq.ft.
Diffusion in from water table = -0.67117E-04g/sq.ft.
Total inflow at boundaries = -0.19328E-03g/sq.ft.
Mass discrepancy = 0.52387E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.12994E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.69566E-02g/sq.ft.
Diffusion in from atmosphere = -0.69766E-03g/sq.ft.
Diffusion in from water table = -0.53401E-02g/sq.ft.
Total inflow at boundaries = -0.12994E-01g/sq.ft.
Mass discrepancy = 0.79162E-07g/sq.ft.

Polygon 1

At time = 165.00, total mass in vadose zone = 0.15619E-02g/sq.ft.
Mass in gas phase = 0.38610E-04g/sq.ft.
Mass in liquid phase = 0.12549E-03g/sq.ft.
Mass sorbed = 0.13978E-02g/sq.ft.

Since last printout at time = 160.00

Change in Total Mass = -0.17386E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11074E-03g/sq.ft.
Diffusion in from atmosphere = -0.27662E-05g/sq.ft.
Diffusion in from water table = -0.60349E-04g/sq.ft.
Total inflow at boundaries = -0.17386E-03g/sq.ft.
Mass discrepancy = 0.48021E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13168E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.70673E-02g/sq.ft.
 Diffusion in from atmosphere = -0.70043E-03g/sq.ft.
 Diffusion in from water table = -0.54004E-02g/sq.ft.
 Total inflow at boundaries = -0.13168E-01g/sq.ft.
 Mass discrepancy = 0.79162E-07g/sq.ft.

Polygon 1

At time = 170.00, total mass in vadose zone = 0.14055E-02g/sq.ft.
 Mass in gas phase = 0.34745E-04g/sq.ft.
 Mass in liquid phase = 0.11293E-03g/sq.ft.
 Mass sorbed = 0.12579E-02g/sq.ft.

Since last printout at time = 165.00

Change in Total Mass = -0.15633E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.99581E-04g/sq.ft.
 Diffusion in from atmosphere = -0.24935E-05g/sq.ft.
 Diffusion in from water table = -0.54259E-04g/sq.ft.
 Total inflow at boundaries = -0.15633E-03g/sq.ft.
 Mass discrepancy = 0.52387E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13324E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.71669E-02g/sq.ft.
 Diffusion in from atmosphere = -0.70292E-03g/sq.ft.
 Diffusion in from water table = -0.54547E-02g/sq.ft.
 Total inflow at boundaries = -0.13325E-01g/sq.ft.
 Mass discrepancy = 0.79162E-07g/sq.ft.

Polygon 1

At time = 175.00, total mass in vadose zone = 0.12650E-02g/sq.ft.
 Mass in gas phase = 0.31271E-04g/sq.ft.
 Mass in liquid phase = 0.10164E-03g/sq.ft.
 Mass sorbed = 0.11321E-02g/sq.ft.

Since last printout at time = 170.00

Change in Total Mass = -0.14055E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.89521E-04g/sq.ft.
 Diffusion in from atmosphere = -0.22476E-05g/sq.ft.
 Diffusion in from water table = -0.48784E-04g/sq.ft.
 Total inflow at boundaries = -0.14055E-03g/sq.ft.
 Mass discrepancy = 0.61118E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13465E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.72564E-02g/sq.ft.
 Diffusion in from atmosphere = -0.70517E-03g/sq.ft.
 Diffusion in from water table = -0.55035E-02g/sq.ft.
 Total inflow at boundaries = -0.13465E-01g/sq.ft.
 Mass discrepancy = 0.79162E-07g/sq.ft.

Polygon 1

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At time = 180.00, total mass in vadose zone = 0.11386E-02g/sq.ft.
Mass in gas phase = 0.28147E-04g/sq.ft.
Mass in liquid phase = 0.91485E-04g/sq.ft.
Mass sorbed = 0.10190E-02g/sq.ft.

Since last printout at time = 175.00
Change in Total Mass = -0.12636E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.80470E-04g/sq.ft.
Diffusion in from atmosphere = -0.20259E-05g/sq.ft.
Diffusion in from water table = -0.43865E-04g/sq.ft.
Total inflow at boundaries = -0.12636E-03g/sq.ft.
Mass discrepancy = -0.29104E-09g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.13591E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.73369E-02g/sq.ft.
Diffusion in from atmosphere = -0.70719E-03g/sq.ft.
Diffusion in from water table = -0.55473E-02g/sq.ft.
Total inflow at boundaries = -0.13591E-01g/sq.ft.
Mass discrepancy = 0.80094E-07g/sq.ft.

Polygon 1
At time = 185.00, total mass in vadose zone = 0.10250E-02g/sq.ft.
Mass in gas phase = 0.25338E-04g/sq.ft.
Mass in liquid phase = 0.82357E-04g/sq.ft.
Mass sorbed = 0.91732E-03g/sq.ft.

Since last printout at time = 180.00
Change in Total Mass = -0.11361E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.72336E-04g/sq.ft.
Diffusion in from atmosphere = -0.18261E-05g/sq.ft.
Diffusion in from water table = -0.39448E-04g/sq.ft.
Total inflow at boundaries = -0.11361E-03g/sq.ft.
Mass discrepancy = 0.61118E-09g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.13705E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.74093E-02g/sq.ft.
Diffusion in from atmosphere = -0.70902E-03g/sq.ft.
Diffusion in from water table = -0.55868E-02g/sq.ft.
Total inflow at boundaries = -0.13705E-01g/sq.ft.
Mass discrepancy = 0.81025E-07g/sq.ft.

Polygon 1
At time = 190.00, total mass in vadose zone = 0.92286E-03g/sq.ft.
Mass in gas phase = 0.22813E-04g/sq.ft.
Mass in liquid phase = 0.74149E-04g/sq.ft.
Mass sorbed = 0.82590E-03g/sq.ft.

Since last printout at time = 185.00
Change in Total Mass = -0.10216E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.65032E-04g/sq.ft.
Diffusion in from atmosphere = -0.16459E-05g/sq.ft.

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Diffusion in from water table = -0.35482E-04g/sq.ft.
Total inflow at boundaries = -0.10216E-03g/sq.ft.
Mass discrepancy = 0.16007E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13807E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.74743E-02g/sq.ft.
Diffusion in from atmosphere = -0.71066E-03g/sq.ft.
Diffusion in from water table = -0.56223E-02g/sq.ft.
Total inflow at boundaries = -0.13807E-01g/sq.ft.
Mass discrepancy = 0.81025E-07g/sq.ft.

Polygon 1

At time = 195.00, total mass in vadose zone = 0.83098E-03g/sq.ft.
Mass in gas phase = 0.20542E-04g/sq.ft.
Mass in liquid phase = 0.66767E-04g/sq.ft.
Mass sorbed = 0.74367E-03g/sq.ft.

Since last printout at time = 190.00

Change in Total Mass = -0.91879E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.58474E-04g/sq.ft.
Diffusion in from atmosphere = -0.14835E-05g/sq.ft.
Diffusion in from water table = -0.31921E-04g/sq.ft.
Total inflow at boundaries = -0.91879E-04g/sq.ft.
Mass discrepancy = 0.20373E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13899E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.75328E-02g/sq.ft.
Diffusion in from atmosphere = -0.71215E-03g/sq.ft.
Diffusion in from water table = -0.56542E-02g/sq.ft.
Total inflow at boundaries = -0.13899E-01g/sq.ft.
Mass discrepancy = 0.81956E-07g/sq.ft.

Polygon 1

At time = 200.00, total mass in vadose zone = 0.74833E-03g/sq.ft.
Mass in gas phase = 0.18499E-04g/sq.ft.
Mass in liquid phase = 0.60126E-04g/sq.ft.
Mass sorbed = 0.66971E-03g/sq.ft.

Since last printout at time = 195.00

Change in Total Mass = -0.82648E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.52588E-04g/sq.ft.
Diffusion in from atmosphere = -0.13370E-05g/sq.ft.
Diffusion in from water table = -0.28722E-04g/sq.ft.
Total inflow at boundaries = -0.82648E-04g/sq.ft.
Mass discrepancy = 0.29104E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.13982E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.75854E-02g/sq.ft.
Diffusion in from atmosphere = -0.71348E-03g/sq.ft.
Diffusion in from water table = -0.56829E-02g/sq.ft.

Total inflow at boundaries = -0.13982E-01g/sq.ft.
Mass discrepancy = 0.81956E-07g/sq.ft.

Polygon 1
At time = 205.00, total mass in vadose zone = 0.67398E-03g/sq.ft.
Mass in gas phase = 0.16661E-04g/sq.ft.
Mass in liquid phase = 0.54152E-04g/sq.ft.
Mass sorbed = 0.60316E-03g/sq.ft.

Since last printout at time = 200.00
Change in Total Mass = -0.74359E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.47305E-04g/sq.ft.
Diffusion in from atmosphere = -0.12051E-05g/sq.ft.
Diffusion in from water table = -0.25849E-04g/sq.ft.
Total inflow at boundaries = -0.74359E-04g/sq.ft.
Mass discrepancy = 0.15280E-09g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.14056E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.76327E-02g/sq.ft.
Diffusion in from atmosphere = -0.71469E-03g/sq.ft.
Diffusion in from water table = -0.57088E-02g/sq.ft.
Total inflow at boundaries = -0.14056E-01g/sq.ft.
Mass discrepancy = 0.81956E-07g/sq.ft.

Polygon 1
At time = 210.00, total mass in vadose zone = 0.60706E-03g/sq.ft.
Mass in gas phase = 0.15007E-04g/sq.ft.
Mass in liquid phase = 0.48775E-04g/sq.ft.
Mass sorbed = 0.54328E-03g/sq.ft.

Since last printout at time = 205.00
Change in Total Mass = -0.66914E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.42561E-04g/sq.ft.
Diffusion in from atmosphere = -0.10861E-05g/sq.ft.
Diffusion in from water table = -0.23268E-04g/sq.ft.
Total inflow at boundaries = -0.66914E-04g/sq.ft.
Mass discrepancy = 0.58208E-10g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.14123E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.76752E-02g/sq.ft.
Diffusion in from atmosphere = -0.71578E-03g/sq.ft.
Diffusion in from water table = -0.57320E-02g/sq.ft.
Total inflow at boundaries = -0.14123E-01g/sq.ft.
Mass discrepancy = 0.81956E-07g/sq.ft.

Polygon 1
At time = 215.00, total mass in vadose zone = 0.54684E-03g/sq.ft.
Mass in gas phase = 0.13518E-04g/sq.ft.
Mass in liquid phase = 0.43936E-04g/sq.ft.
Mass sorbed = 0.48938E-03g/sq.ft.

Since last printout at time = 210.00

Change in Total Mass = -0.60226E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.38300E-04g/sq.ft.
Diffusion in from atmosphere = -0.97887E-06g/sq.ft.
Diffusion in from water table = -0.20947E-04g/sq.ft.
Total inflow at boundaries = -0.60226E-04g/sq.ft.
Mass discrepancy = 0.22192E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14183E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.77135E-02g/sq.ft.
Diffusion in from atmosphere = -0.71675E-03g/sq.ft.
Diffusion in from water table = -0.57530E-02g/sq.ft.
Total inflow at boundaries = -0.14183E-01g/sq.ft.
Mass discrepancy = 0.81956E-07g/sq.ft.

Polygon 1

At time = 220.00, total mass in vadose zone = 0.49262E-03g/sq.ft.
Mass in gas phase = 0.12178E-04g/sq.ft.
Mass in liquid phase = 0.39580E-04g/sq.ft.
Mass sorbed = 0.44086E-03g/sq.ft.

Since last printout at time = 215.00

Change in Total Mass = -0.54215E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.34472E-04g/sq.ft.
Diffusion in from atmosphere = -0.88222E-06g/sq.ft.
Diffusion in from water table = -0.18861E-04g/sq.ft.
Total inflow at boundaries = -0.54216E-04g/sq.ft.
Mass discrepancy = 0.16735E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14237E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.77480E-02g/sq.ft.
Diffusion in from atmosphere = -0.71764E-03g/sq.ft.
Diffusion in from water table = -0.57718E-02g/sq.ft.
Total inflow at boundaries = -0.14237E-01g/sq.ft.
Mass discrepancy = 0.82888E-07g/sq.ft.

Polygon 1

At time = 225.00, total mass in vadose zone = 0.44381E-03g/sq.ft.
Mass in gas phase = 0.10971E-04g/sq.ft.
Mass in liquid phase = 0.35658E-04g/sq.ft.
Mass sorbed = 0.39718E-03g/sq.ft.

Since last printout at time = 220.00

Change in Total Mass = -0.48813E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.31033E-04g/sq.ft.
Diffusion in from atmosphere = -0.79511E-06g/sq.ft.
Diffusion in from water table = -0.16985E-04g/sq.ft.
Total inflow at boundaries = -0.48813E-04g/sq.ft.
Mass discrepancy = -0.72760E-11g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14286E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.77790E-02g/sq.ft.
 Diffusion in from atmosphere = -0.71843E-03g/sq.ft.
 Diffusion in from water table = -0.57888E-02g/sq.ft.
 Total inflow at boundaries = -0.14286E-01g/sq.ft.
 Mass discrepancy = 0.82888E-07g/sq.ft.

Polygon 1

At time = 230.00, total mass in vadose zone = 0.39985E-03g/sq.ft.
 Mass in gas phase = 0.98844E-05g/sq.ft.
 Mass in liquid phase = 0.32127E-04g/sq.ft.
 Mass sorbed = 0.35784E-03g/sq.ft.

Since last printout at time = 225.00

Change in Total Mass = -0.43954E-04g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.27941E-04g/sq.ft.
 Diffusion in from atmosphere = -0.71660E-06g/sq.ft.
 Diffusion in from water table = -0.15297E-04g/sq.ft.
 Total inflow at boundaries = -0.43954E-04g/sq.ft.
 Mass discrepancy = 0.16735E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14330E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.78070E-02g/sq.ft.
 Diffusion in from atmosphere = -0.71915E-03g/sq.ft.
 Diffusion in from water table = -0.58041E-02g/sq.ft.
 Total inflow at boundaries = -0.14330E-01g/sq.ft.
 Mass discrepancy = 0.82888E-07g/sq.ft.

Polygon 1

At time = 235.00, total mass in vadose zone = 0.36027E-03g/sq.ft.
 Mass in gas phase = 0.89059E-05g/sq.ft.
 Mass in liquid phase = 0.28946E-04g/sq.ft.
 Mass sorbed = 0.32242E-03g/sq.ft.

Since last printout at time = 230.00

Change in Total Mass = -0.39584E-04g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.25160E-04g/sq.ft.
 Diffusion in from atmosphere = -0.64584E-06g/sq.ft.
 Diffusion in from water table = -0.13778E-04g/sq.ft.
 Total inflow at boundaries = -0.39584E-04g/sq.ft.
 Mass discrepancy = 0.94587E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14370E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.78321E-02g/sq.ft.
 Diffusion in from atmosphere = -0.71979E-03g/sq.ft.
 Diffusion in from water table = -0.58179E-02g/sq.ft.
 Total inflow at boundaries = -0.14370E-01g/sq.ft.
 Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1

At time = 240.00, total mass in vadose zone = 0.32462E-03g/sq.ft.
Mass in gas phase = 0.80245E-05g/sq.ft.
Mass in liquid phase = 0.26082E-04g/sq.ft.
Mass sorbed = 0.29051E-03g/sq.ft.

Since last printout at time = 235.00
Change in Total Mass = -0.35652E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.22659E-04g/sq.ft.
Diffusion in from atmosphere = -0.58206E-06g/sq.ft.
Diffusion in from water table = -0.12411E-04g/sq.ft.
Total inflow at boundaries = -0.35652E-04g/sq.ft.
Mass discrepancy = 0.43656E-10g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.14405E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.78548E-02g/sq.ft.
Diffusion in from atmosphere = -0.72038E-03g/sq.ft.
Diffusion in from water table = -0.58303E-02g/sq.ft.
Total inflow at boundaries = -0.14405E-01g/sq.ft.
Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1
At time = 245.00, total mass in vadose zone = 0.29250E-03g/sq.ft.
Mass in gas phase = 0.72307E-05g/sq.ft.
Mass in liquid phase = 0.23502E-04g/sq.ft.
Mass sorbed = 0.26177E-03g/sq.ft.

Since last printout at time = 240.00
Change in Total Mass = -0.32114E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.20409E-04g/sq.ft.
Diffusion in from atmosphere = -0.52458E-06g/sq.ft.
Diffusion in from water table = -0.11181E-04g/sq.ft.
Total inflow at boundaries = -0.32114E-04g/sq.ft.
Mass discrepancy = 0.58208E-10g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.14438E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.78752E-02g/sq.ft.
Diffusion in from atmosphere = -0.72090E-03g/sq.ft.
Diffusion in from water table = -0.58415E-02g/sq.ft.
Total inflow at boundaries = -0.14438E-01g/sq.ft.
Mass discrepancy = 0.82888E-07g/sq.ft.

Polygon 1
At time = 250.00, total mass in vadose zone = 0.26357E-03g/sq.ft.
Mass in gas phase = 0.65155E-05g/sq.ft.
Mass in liquid phase = 0.21177E-04g/sq.ft.
Mass sorbed = 0.23588E-03g/sq.ft.

Since last printout at time = 245.00
Change in Total Mass = -0.28929E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.18384E-04g/sq.ft.
Diffusion in from atmosphere = -0.47278E-06g/sq.ft.

Diffusion in from water table = -0.10073E-04g/sq.ft.
Total inflow at boundaries = -0.28930E-04g/sq.ft.
Mass discrepancy = 0.10550E-09g/sq.ft.

ce beginning of run at time = 0.0

Change in Total Mass = -0.14466E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.78936E-02g/sq.ft.
Diffusion in from atmosphere = -0.72137E-03g/sq.ft.
Diffusion in from water table = -0.58516E-02g/sq.ft.
Total inflow at boundaries = -0.14467E-01g/sq.ft.
Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1

At time = 255.00, total mass in vadose zone = 0.23751E-03g/sq.ft.
Mass in gas phase = 0.58713E-05g/sq.ft.
Mass in liquid phase = 0.19083E-04g/sq.ft.
Mass sorbed = 0.21256E-03g/sq.ft.

Since last printout at time = 250.00

Change in Total Mass = -0.26063E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.16561E-04g/sq.ft.
Diffusion in from atmosphere = -0.42609E-06g/sq.ft.
Diffusion in from water table = -0.90756E-05g/sq.ft.
Total inflow at boundaries = -0.26063E-04g/sq.ft.
Mass discrepancy = -0.12733E-10g/sq.ft.

ce beginning of run at time = 0.0

Change in Total Mass = -0.14492E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79101E-02g/sq.ft.
Diffusion in from atmosphere = -0.72180E-03g/sq.ft.
Diffusion in from water table = -0.58606E-02g/sq.ft.
Total inflow at boundaries = -0.14493E-01g/sq.ft.
Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1

At time = 260.00, total mass in vadose zone = 0.21403E-03g/sq.ft.
Mass in gas phase = 0.52908E-05g/sq.ft.
Mass in liquid phase = 0.17197E-04g/sq.ft.
Mass sorbed = 0.19154E-03g/sq.ft.

Since last printout at time = 255.00

Change in Total Mass = -0.23481E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14920E-04g/sq.ft.
Diffusion in from atmosphere = -0.38401E-06g/sq.ft.
Diffusion in from water table = -0.81772E-05g/sq.ft.
Total inflow at boundaries = -0.23481E-04g/sq.ft.
Mass discrepancy = 0.13097E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14516E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79251E-02g/sq.ft.
Diffusion in from atmosphere = -0.72218E-03g/sq.ft.
Diffusion in from water table = -0.58688E-02g/sq.ft.

Total inflow at boundaries = -0.14516E-01g/sq.ft.
Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1

At time = 265.00, total mass in vadose zone = 0.19287E-03g/sq.ft.
Mass in gas phase = 0.47678E-05g/sq.ft.
Mass in liquid phase = 0.15497E-04g/sq.ft.
Mass sorbed = 0.17261E-03g/sq.ft.

Since last printout at time = 260.00

Change in Total Mass = -0.21156E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13442E-04g/sq.ft.
Diffusion in from atmosphere = -0.34608E-06g/sq.ft.
Diffusion in from water table = -0.73681E-05g/sq.ft.
Total inflow at boundaries = -0.21156E-04g/sq.ft.
Mass discrepancy = 0.40018E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14537E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79385E-02g/sq.ft.
Diffusion in from atmosphere = -0.72253E-03g/sq.ft.
Diffusion in from water table = -0.58762E-02g/sq.ft.
Total inflow at boundaries = -0.14537E-01g/sq.ft.
Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1

At time = 270.00, total mass in vadose zone = 0.17381E-03g/sq.ft.
Mass in gas phase = 0.42966E-05g/sq.ft.
Mass in liquid phase = 0.13965E-04g/sq.ft.
Mass sorbed = 0.15555E-03g/sq.ft.

Since last printout at time = 265.00

Change in Total Mass = -0.19062E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.12111E-04g/sq.ft.
Diffusion in from atmosphere = -0.31191E-06g/sq.ft.
Diffusion in from water table = -0.66392E-05g/sq.ft.
Total inflow at boundaries = -0.19062E-04g/sq.ft.
Mass discrepancy = 0.34561E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14556E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79506E-02g/sq.ft.
Diffusion in from atmosphere = -0.72284E-03g/sq.ft.
Diffusion in from water table = -0.58828E-02g/sq.ft.
Total inflow at boundaries = -0.14556E-01g/sq.ft.
Mass discrepancy = 0.84750E-07g/sq.ft.

Polygon 1

At time = 275.00, total mass in vadose zone = 0.15663E-03g/sq.ft.
Mass in gas phase = 0.38720E-05g/sq.ft.
Mass in liquid phase = 0.12585E-04g/sq.ft.
Mass sorbed = 0.14018E-03g/sq.ft.

Since last printout at time = 270.00

Change in Total Mass = -0.17177E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.10913E-04g/sq.ft.
Diffusion in from atmosphere = -0.28110E-06g/sq.ft.
Diffusion in from water table = -0.59826E-05g/sq.ft.
Total inflow at boundaries = -0.17177E-04g/sq.ft.
Mass discrepancy = 0.79104E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14573E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79615E-02g/sq.ft.
Diffusion in from atmosphere = -0.72312E-03g/sq.ft.
Diffusion in from water table = -0.58888E-02g/sq.ft.
Total inflow at boundaries = -0.14573E-01g/sq.ft.
Mass discrepancy = 0.83819E-07g/sq.ft.

Polygon 1

At time = 280.00, total mass in vadose zone = 0.14116E-03g/sq.ft.
Mass in gas phase = 0.34894E-05g/sq.ft.
Mass in liquid phase = 0.11342E-04g/sq.ft.
Mass sorbed = 0.12633E-03g/sq.ft.

Since last printout at time = 275.00

Change in Total Mass = -0.15478E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.98332E-05g/sq.ft.
Diffusion in from atmosphere = -0.25334E-06g/sq.ft.
Diffusion in from water table = -0.53911E-05g/sq.ft.
Total inflow at boundaries = -0.15478E-04g/sq.ft.
Mass discrepancy = 0.43656E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14589E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79714E-02g/sq.ft.
Diffusion in from atmosphere = -0.72338E-03g/sq.ft.
Diffusion in from water table = -0.58942E-02g/sq.ft.
Total inflow at boundaries = -0.14589E-01g/sq.ft.
Mass discrepancy = 0.84750E-07g/sq.ft.

Polygon 1

At time = 285.00, total mass in vadose zone = 0.12721E-03g/sq.ft.
Mass in gas phase = 0.31446E-05g/sq.ft.
Mass in liquid phase = 0.10221E-04g/sq.ft.
Mass sorbed = 0.11384E-03g/sq.ft.

Since last printout at time = 280.00

Change in Total Mass = -0.13947E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.88607E-05g/sq.ft.
Diffusion in from atmosphere = -0.22832E-06g/sq.ft.
Diffusion in from water table = -0.48581E-05g/sq.ft.
Total inflow at boundaries = -0.13947E-04g/sq.ft.
Mass discrepancy = 0.52751E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14603E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79802E-02g/sq.ft.
Diffusion in from atmosphere = -0.72361E-03g/sq.ft.
Diffusion in from water table = -0.58991E-02g/sq.ft.
Total inflow at boundaries = -0.14603E-01g/sq.ft.
Mass discrepancy = 0.84750E-07g/sq.ft.

Polygon 1

At time = 290.00, total mass in vadose zone = 0.11464E-03g/sq.ft.
Mass in gas phase = 0.28340E-05g/sq.ft.
Mass in liquid phase = 0.92111E-05g/sq.ft.
Mass sorbed = 0.10260E-03g/sq.ft.

Since last printout at time = 285.00

Change in Total Mass = -0.12568E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79845E-05g/sq.ft.
Diffusion in from atmosphere = -0.20577E-06g/sq.ft.
Diffusion in from water table = -0.43780E-05g/sq.ft.
Total inflow at boundaries = -0.12568E-04g/sq.ft.
Mass discrepancy = 0.23647E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14615E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79882E-02g/sq.ft.
Diffusion in from atmosphere = -0.72381E-03g/sq.ft.
Diffusion in from water table = -0.59034E-02g/sq.ft.
Total inflow at boundaries = -0.14615E-01g/sq.ft.
Mass discrepancy = 0.85682E-07g/sq.ft.

Polygon 1

At time = 295.00, total mass in vadose zone = 0.10332E-03g/sq.ft.
Mass in gas phase = 0.25540E-05g/sq.ft.
Mass in liquid phase = 0.83011E-05g/sq.ft.
Mass sorbed = 0.92461E-04g/sq.ft.

Since last printout at time = 290.00

Change in Total Mass = -0.11326E-04g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.71952E-05g/sq.ft.
Diffusion in from atmosphere = -0.18545E-06g/sq.ft.
Diffusion in from water table = -0.39453E-05g/sq.ft.
Total inflow at boundaries = -0.11326E-04g/sq.ft.
Mass discrepancy = 0.30923E-10g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.14627E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79954E-02g/sq.ft.
Diffusion in from atmosphere = -0.72400E-03g/sq.ft.
Diffusion in from water table = -0.59074E-02g/sq.ft.
Total inflow at boundaries = -0.14627E-01g/sq.ft.
Mass discrepancy = 0.85682E-07g/sq.ft.

Polygon 1

At time = 300.00, total mass in vadose zone = 0.93110E-04g/sq.ft.
 Mass in gas phase = 0.23017E-05g/sq.ft.
 Mass in liquid phase = 0.74811E-05g/sq.ft.
 Mass sorbed = 0.83327E-04g/sq.ft.

Since last printout at time = 295.00
 Change in Total Mass = -0.10206E-04g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.64840E-05g/sq.ft.
 Diffusion in from atmosphere = -0.16713E-06g/sq.ft.
 Diffusion in from water table = -0.35554E-05g/sq.ft.
 Total inflow at boundaries = -0.10206E-04g/sq.ft.
 Mass discrepancy = 0.29104E-10g/sq.ft.

Since beginning of run at time = 0.0
 Change in Total Mass = -0.14637E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.80019E-02g/sq.ft.
 Diffusion in from atmosphere = -0.72416E-03g/sq.ft.
 Diffusion in from water table = -0.59109E-02g/sq.ft.
 Total inflow at boundaries = -0.14637E-01g/sq.ft.
 Mass discrepancy = 0.84750E-07g/sq.ft.

GROUNDWATER IMPACT OF POLYGON 1

Time	Mass per area (g/sq.ft.)	Total Mass (g)
5.00	0.38990E-04	0.38990E-04
10.00	0.58915E-04	0.58915E-04
15.00	0.85900E-04	0.85900E-04
20.00	0.12098E-03	0.12098E-03
25.00	0.16461E-03	0.16461E-03
30.00	0.21636E-03	0.21636E-03
35.00	0.27473E-03	0.27473E-03
40.00	0.33727E-03	0.33727E-03
45.00	0.40086E-03	0.40086E-03
50.00	0.46207E-03	0.46207E-03
55.00	0.51764E-03	0.51764E-03
60.00	0.56482E-03	0.56482E-03
65.00	0.60159E-03	0.60159E-03
70.00	0.62680E-03	0.62680E-03
75.00	0.64017E-03	0.64017E-03
80.00	0.64217E-03	0.64217E-03
85.00	0.63386E-03	0.63386E-03
90.00	0.61672E-03	0.61672E-03
95.00	0.59241E-03	0.59241E-03
100.00	0.56269E-03	0.56269E-03
105.00	0.52921E-03	0.52921E-03
110.00	0.49349E-03	0.49349E-03
115.00	0.45681E-03	0.45681E-03
120.00	0.42022E-03	0.42022E-03
125.00	0.38454E-03	0.38454E-03
130.00	0.35037E-03	0.35037E-03
135.00	0.31811E-03	0.31811E-03
140.00	0.28800E-03	0.28800E-03
145.00	0.26018E-03	0.26018E-03
150.00	0.23464E-03	0.23464E-03
155.00	0.21136E-03	0.21136E-03
160.00	0.19022E-03	0.19022E-03
165.00	0.17109E-03	0.17109E-03

170.00	0.15384E-03	0.15384E-03
175.00	0.13830E-03	0.13830E-03
180.00	0.12434E-03	0.12434E-03
185.00	0.11178E-03	0.11178E-03
190.00	0.10051E-03	0.10051E-03
195.00	0.90395E-04	0.90395E-04
200.00	0.81311E-04	0.81311E-04
205.00	0.73154E-04	0.73154E-04
210.00	0.65828E-04	0.65828E-04
215.00	0.59247E-04	0.59247E-04
220.00	0.53333E-04	0.53333E-04
225.00	0.48017E-04	0.48017E-04
230.00	0.43237E-04	0.43237E-04
235.00	0.38938E-04	0.38938E-04
240.00	0.35070E-04	0.35070E-04
245.00	0.31590E-04	0.31590E-04
250.00	0.28457E-04	0.28457E-04
255.00	0.25636E-04	0.25636E-04
260.00	0.23097E-04	0.23097E-04
265.00	0.20810E-04	0.20810E-04
270.00	0.18751E-04	0.18751E-04
275.00	0.16895E-04	0.16895E-04
280.00	0.15224E-04	0.15224E-04
285.00	0.13719E-04	0.13719E-04
290.00	0.12362E-04	0.12362E-04
295.00	0.11140E-04	0.11140E-04
300.00	0.10039E-04	0.10039E-04

TOTAL GROUNDWATER IMPACT

Time (yr)	Mass (g)	Cumulative Mass (g)
5.00	0.38990E-04	0.38990E-04
10.00	0.58915E-04	0.97906E-04
15.00	0.85900E-04	0.18381E-03
20.00	0.12098E-03	0.30478E-03
25.00	0.16461E-03	0.46940E-03
30.00	0.21636E-03	0.68576E-03
35.00	0.27473E-03	0.96049E-03
40.00	0.33727E-03	0.12978E-02
45.00	0.40086E-03	0.16986E-02
50.00	0.46207E-03	0.21607E-02
55.00	0.51764E-03	0.26783E-02
60.00	0.56482E-03	0.32432E-02
65.00	0.60159E-03	0.38447E-02
70.00	0.62680E-03	0.44715E-02
75.00	0.64017E-03	0.51117E-02
80.00	0.64217E-03	0.57539E-02
85.00	0.63386E-03	0.63877E-02
90.00	0.61672E-03	0.70045E-02
95.00	0.59241E-03	0.75969E-02
100.00	0.56269E-03	0.81596E-02
105.00	0.52921E-03	0.86888E-02
110.00	0.49349E-03	0.91823E-02
115.00	0.45681E-03	0.96391E-02
120.00	0.42022E-03	0.10059E-01
125.00	0.38454E-03	0.10444E-01
130.00	0.35037E-03	0.10794E-01
135.00	0.31811E-03	0.11112E-01

140.00	0.28800E-03	0.11400E-01
145.00	0.26018E-03	0.11660E-01
150.00	0.23464E-03	0.11895E-01
155.00	0.21136E-03	0.12106E-01
160.00	0.19022E-03	0.12297E-01
165.00	0.17109E-03	0.12468E-01
170.00	0.15384E-03	0.12622E-01
175.00	0.13830E-03	0.12700E-01
180.00	0.12434E-03	0.12884E-01
185.00	0.11178E-03	0.12996E-01
190.00	0.10051E-03	0.13097E-01
195.00	0.90395E-04	0.13187E-01
200.00	0.81311E-04	0.13268E-01
205.00	0.73154E-04	0.13341E-01
210.00	0.65828E-04	0.13407E-01
215.00	0.59247E-04	0.13467E-01
220.00	0.53333E-04	0.13520E-01
225.00	0.48017E-04	0.13568E-01
230.00	0.43237E-04	0.13611E-01
235.00	0.38938E-04	0.13650E-01
240.00	0.35070E-04	0.13685E-01
245.00	0.31590E-04	0.13717E-01
250.00	0.28457E-04	0.13745E-01
255.00	0.25636E-04	0.13771E-01
260.00	0.23097E-04	0.13794E-01
265.00	0.20810E-04	0.13815E-01
270.00	0.18751E-04	0.13833E-01
275.00	0.16895E-04	0.13850E-01
280.00	0.15224E-04	0.13866E-01
285.00	0.13719E-04	0.13879E-01
290.00	0.12362E-04	0.13892E-01
295.00	0.11140E-04	0.13903E-01
300.00	0.10039E-04	0.13913E-01

VLEACH
version 2.0, 1993.

Developed by :

Varadhan Ravi and Jeffrey A. Johnson (Dynamac)
Center for Subsurface Modeling Support
Robert S. Kerr Environmental Research Laboratory
U.S. Environmental Protection Agency
P.O. Box 1198
Ada, OK 74820

L'Henri Simulation.

1 polygons.

Timestep = 1.00 years. Simulation length = 300.00 years.

Printout every 5.00 years. Vertical profile stored every 5.00 years.

Koc = 364.00 ml/g, 0.12854E-01cu.ft./g

Kh = 0.92300 (dimensionless).

Aqueous solubility = 150.00 mg/l, 4.2476 g/cu.ft

Free air diffusion coefficient = .66000 sq. m/day, 2593.1 sq.ft./yr

Polygon 1

Polygon I

Polygon area = 1.0000 sq. ft.

100 cells, each cell 0.200 ft. thick.

Soil Properties:

bulk density = 1.5300 g/ml, 43325. g/cu.ft.

Porosity = 0.4000 Volumetric water content = 0.3000

Organic carbon content = 0.00600000

Recharge Rate = 0.40000001 ft/yr

Conc. in recharge water = 0.00000 mg/l, 0.00000 g/cu.ft

Atmospheric concentration = 0.00000 mg/l, 0.00000 g/cu.ft

Water table has a fixed concentration of 0.00000 mg/l, 0.00000 g/
with respect to gas diffusion.

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L'Henri Simulation.

Polygon 1

At time = 0.00, total mass in vadose zone = 0.29174 g/sq.ft.
Mass in gas phase = 0.72118E-02g/sq.ft.
Mass in liquid phase = 0.23440E-01g/sq.ft.
Mass sorbed = 0.26109 g/sq.ft.

Polygon 1

At time = 5.00, total mass in vadose zone = 0.28770 g/sq.ft.
Mass in gas phase = 0.71119E-02g/sq.ft.
Mass in liquid phase = 0.23115E-01g/sq.ft.
Mass sorbed = 0.25747 g/sq.ft.

Since last printout at time = 0.00

Change in Total Mass = -0.40439E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11949E-04g/sq.ft.
Diffusion in from atmosphere = -0.36120E-02g/sq.ft.
Diffusion in from water table = -0.41993E-03g/sq.ft.
Total inflow at boundaries = -0.40439E-02g/sq.ft.
Mass discrepancy = 0.34925E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.40439E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11949E-04g/sq.ft.
Diffusion in from atmosphere = -0.36120E-02g/sq.ft.
Diffusion in from water table = -0.41993E-03g/sq.ft.
Total inflow at boundaries = -0.40439E-02g/sq.ft.
Mass discrepancy = 0.34925E-07g/sq.ft.

Polygon 1

At time = 10.00, total mass in vadose zone = 0.28394 g/sq.ft.
Mass in gas phase = 0.70190E-02g/sq.ft.
Mass in liquid phase = 0.22814E-01g/sq.ft.
Mass sorbed = 0.25411 g/sq.ft.

Since last printout at time = 5.00

Change in Total Mass = -0.37584E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.60749E-04g/sq.ft.
Diffusion in from atmosphere = -0.30944E-02g/sq.ft.

Diffusion in from water table = -0.60333E-03g/sq.ft.
Total inflow at boundaries = -0.37585E-02g/sq.ft.
Mass discrepancy = 0.84750E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.78023E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.72698E-04g/sq.ft.
Diffusion in from atmosphere = -0.67065E-02g/sq.ft.
Diffusion in from water table = -0.10233E-02g/sq.ft.
Total inflow at boundaries = -0.78024E-02g/sq.ft.
Mass discrepancy = 0.11921E-06g/sq.ft.

Polygon 1

At time = 15.00, total mass in vadose zone = 0.28029 g/sq.ft.
Mass in gas phase = 0.69289E-02g/sq.ft.
Mass in liquid phase = 0.22521E-01g/sq.ft.
Mass sorbed = 0.25084 g/sq.ft.

Since last printout at time = 10.00

Change in Total Mass = -0.36449E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.15043E-03g/sq.ft.
Diffusion in from atmosphere = -0.26642E-02g/sq.ft.
Diffusion in from water table = -0.83044E-03g/sq.ft.
Total inflow at boundaries = -0.36450E-02g/sq.ft.
Mass discrepancy = 0.16671E-06g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.11447E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.22312E-03g/sq.ft.
Diffusion in from atmosphere = -0.93706E-02g/sq.ft.
Diffusion in from water table = -0.18537E-02g/sq.ft.
Total inflow at boundaries = -0.11447E-01g/sq.ft.
Mass discrepancy = 0.28592E-06g/sq.ft.

Polygon 1

At time = 20.00, total mass in vadose zone = 0.27659 g/sq.ft.
Mass in gas phase = 0.68374E-02g/sq.ft.
Mass in liquid phase = 0.22223E-01g/sq.ft.
Mass sorbed = 0.24753 g/sq.ft.

Since last printout at time = 15.00

Change in Total Mass = -0.37009E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.29522E-03g/sq.ft.
Diffusion in from atmosphere = -0.23043E-02g/sq.ft.
Diffusion in from water table = -0.11013E-02g/sq.ft.
Total inflow at boundaries = -0.37009E-02g/sq.ft.
Mass discrepancy = 0.20722E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.15148E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.51834E-03g/sq.ft.
Diffusion in from atmosphere = -0.11675E-01g/sq.ft.
Diffusion in from water table = -0.29550E-02g/sq.ft.

Total inflow at boundaries = -0.15148E-01g/sq.ft.
Mass discrepancy = 0.30734E-06g/sq.ft.

Polygon 1

At time = 25.00, total mass in vadose zone = 0.27267 g/sq.ft.
Mass in gas phase = 0.67404E-02g/sq.ft.
Mass in liquid phase = 0.21908E-01g/sq.ft.
Mass sorbed = 0.24402 g/sq.ft.

Since last printout at time = 20.00

Change in Total Mass = -0.39231E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.50865E-03g/sq.ft.
Diffusion in from atmosphere = -0.20016E-02g/sq.ft.
Diffusion in from water table = -0.14128E-02g/sq.ft.
Total inflow at boundaries = -0.39231E-02g/sq.ft.
Mass discrepancy = 0.23283E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.19071E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.10270E-02g/sq.ft.
Diffusion in from atmosphere = -0.13677E-01g/sq.ft.
Diffusion in from water table = -0.43678E-02g/sq.ft.
Total inflow at boundaries = -0.19071E-01g/sq.ft.
Mass discrepancy = 0.30920E-06g/sq.ft.

Polygon 1

At time = 30.00, total mass in vadose zone = 0.26837 g/sq.ft.
Mass in gas phase = 0.66340E-02g/sq.ft.
Mass in liquid phase = 0.21562E-01g/sq.ft.
Mass sorbed = 0.24017 g/sq.ft.

Since last printout at time = 25.00

Change in Total Mass = -0.43038E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.80041E-03g/sq.ft.
Diffusion in from atmosphere = -0.17456E-02g/sq.ft.
Diffusion in from water table = -0.17579E-02g/sq.ft.
Total inflow at boundaries = -0.43039E-02g/sq.ft.
Mass discrepancy = 0.13830E-06g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.23375E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.18274E-02g/sq.ft.
Diffusion in from atmosphere = -0.15422E-01g/sq.ft.
Diffusion in from water table = -0.61257E-02g/sq.ft.
Total inflow at boundaries = -0.23375E-01g/sq.ft.
Mass discrepancy = 0.44890E-06g/sq.ft.

Polygon 1

At time = 35.00, total mass in vadose zone = 0.26354 g/sq.ft.
Mass in gas phase = 0.65147E-02g/sq.ft.
Mass in liquid phase = 0.21174E-01g/sq.ft.
Mass sorbed = 0.23585 g/sq.ft.

Since last printout at time = 30.00

Change in Total Mass = -0.48279E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11737E-02g/sq.ft.
Diffusion in from atmosphere = -0.15279E-02g/sq.ft.
Diffusion in from water table = -0.21264E-02g/sq.ft.
Total inflow at boundaries = -0.48280E-02g/sq.ft.
Mass discrepancy = 0.15274E-06g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28203E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.30011E-02g/sq.ft.
Diffusion in from atmosphere = -0.16950E-01g/sq.ft.
Diffusion in from water table = -0.82520E-02g/sq.ft.
Total inflow at boundaries = -0.28203E-01g/sq.ft.
Mass discrepancy = 0.60163E-06g/sq.ft.

Polygon 1

At time = 40.00, total mass in vadose zone = 0.25807 g/sq.ft.
Mass in gas phase = 0.63794E-02g/sq.ft.
Mass in liquid phase = 0.20735E-01g/sq.ft.
Mass sorbed = 0.23095 g/sq.ft.

Since last printout at time = 35.00

Change in Total Mass = -0.54714E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.16239E-02g/sq.ft.
Diffusion in from atmosphere = -0.13419E-02g/sq.ft.
Diffusion in from water table = -0.25056E-02g/sq.ft.
Total inflow at boundaries = -0.54714E-02g/sq.ft.
Mass discrepancy = 0.13970E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.33674E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.46250E-02g/sq.ft.
Diffusion in from atmosphere = -0.18292E-01g/sq.ft.
Diffusion in from water table = -0.10758E-01g/sq.ft.
Total inflow at boundaries = -0.33675E-01g/sq.ft.
Mass discrepancy = 0.61467E-06g/sq.ft.

Polygon 1

At time = 45.00, total mass in vadose zone = 0.25186 g/sq.ft.
Mass in gas phase = 0.62261E-02g/sq.ft.
Mass in liquid phase = 0.20237E-01g/sq.ft.
Mass sorbed = 0.22540 g/sq.ft.

Since last printout at time = 40.00

Change in Total Mass = -0.62019E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.21384E-02g/sq.ft.
Diffusion in from atmosphere = -0.11821E-02g/sq.ft.
Diffusion in from water table = -0.28814E-02g/sq.ft.
Total inflow at boundaries = -0.62020E-02g/sq.ft.
Mass discrepancy = 0.40047E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.39876E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.67635E-02g/sq.ft.
 Diffusion in from atmosphere = -0.19474E-01g/sq.ft.
 Diffusion in from water table = -0.13639E-01g/sq.ft.
 Total inflow at boundaries = -0.39877E-01g/sq.ft.
 Mass discrepancy = 0.65565E-06g/sq.ft.

Polygon 1

At time = 50.00, total mass in vadose zone = 0.24488 g/sq.ft.
 Mass in gas phase = 0.60535E-02g/sq.ft.
 Mass in liquid phase = 0.19676E-01g/sq.ft.
 Mass sorbed = 0.21915 g/sq.ft.

Since last printout at time = 45.00

Change in Total Mass = -0.69817E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.26981E-02g/sq.ft.
 Diffusion in from atmosphere = -0.10443E-02g/sq.ft.
 Diffusion in from water table = -0.32395E-02g/sq.ft.
 Total inflow at boundaries = -0.69819E-02g/sq.ft.
 Mass discrepancy = 0.14435E-06g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.46858E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.94616E-02g/sq.ft.
 Diffusion in from atmosphere = -0.20518E-01g/sq.ft.
 Diffusion in from water table = -0.16879E-01g/sq.ft.
 Total inflow at boundaries = -0.46859E-01g/sq.ft.
 Mass discrepancy = 0.79721E-06g/sq.ft.

Polygon 1

At time = 55.00, total mass in vadose zone = 0.23711 g/sq.ft.
 Mass in gas phase = 0.58614E-02g/sq.ft.
 Mass in liquid phase = 0.19051E-01g/sq.ft.
 Mass sorbed = 0.21220 g/sq.ft.

Since last printout at time = 50.00

Change in Total Mass = -0.77707E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.32794E-02g/sq.ft.
 Diffusion in from atmosphere = -0.92479E-03g/sq.ft.
 Diffusion in from water table = -0.35666E-02g/sq.ft.
 Total inflow at boundaries = -0.77708E-02g/sq.ft.
 Mass discrepancy = 0.69849E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.54628E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.12741E-01g/sq.ft.
 Diffusion in from atmosphere = -0.21443E-01g/sq.ft.
 Diffusion in from water table = -0.20445E-01g/sq.ft.
 Total inflow at boundaries = -0.54629E-01g/sq.ft.
 Mass discrepancy = 0.86427E-06g/sq.ft.

Polygon 1

At time = 60.00, total mass in vadose zone = 0.22858 g/sq.ft.
Mass in gas phase = 0.56506E-02g/sq.ft.
Mass in liquid phase = 0.18366E-01g/sq.ft.
Mass sorbed = 0.20457 g/sq.ft.

Since last printout at time = 55.00
Change in Total Mass = -0.85291E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.38567E-02g/sq.ft.
Diffusion in from atmosphere = -0.82085E-03g/sq.ft.
Diffusion in from water table = -0.38516E-02g/sq.ft.
Total inflow at boundaries = -0.85291E-02g/sq.ft.
Mass discrepancy = 0.91270E-07g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.63157E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.16598E-01g/sq.ft.
Diffusion in from atmosphere = -0.22264E-01g/sq.ft.
Diffusion in from water table = -0.24297E-01g/sq.ft.
Total inflow at boundaries = -0.63158E-01g/sq.ft.
Mass discrepancy = 0.95367E-06g/sq.ft.

Polygon 1

At time = 65.00, total mass in vadose zone = 0.21936 g/sq.ft.
Mass in gas phase = 0.54226E-02g/sq.ft.
Mass in liquid phase = 0.17625E-01g/sq.ft.
Mass sorbed = 0.19631 g/sq.ft.

Since last printout at time = 60.00
Change in Total Mass = -0.92214E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.44054E-02g/sq.ft.
Diffusion in from atmosphere = -0.73005E-03g/sq.ft.
Diffusion in from water table = -0.40860E-02g/sq.ft.
Total inflow at boundaries = -0.92214E-02g/sq.ft.
Mass discrepancy = 0.39116E-07g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.72379E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.21003E-01g/sq.ft.
Diffusion in from atmosphere = -0.22994E-01g/sq.ft.
Diffusion in from water table = -0.28383E-01g/sq.ft.
Total inflow at boundaries = -0.72380E-01g/sq.ft.
Mass discrepancy = 0.99838E-06g/sq.ft.

Polygon 1

At time = 70.00, total mass in vadose zone = 0.20954 g/sq.ft.
Mass in gas phase = 0.51799E-02g/sq.ft.
Mass in liquid phase = 0.16836E-01g/sq.ft.
Mass sorbed = 0.18753 g/sq.ft.

Since last printout at time = 65.00
Change in Total Mass = -0.98181E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.49033E-02g/sq.ft.
Diffusion in from atmosphere = -0.65047E-03g/sq.ft.

Diffusion in from water table = -0.42644E-02g/sq.ft.
Total inflow at boundaries = -0.98182E-02g/sq.ft.
Mass discrepancy = 0.95926E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.82197E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.25906E-01g/sq.ft.
Diffusion in from atmosphere = -0.23645E-01g/sq.ft.
Diffusion in from water table = -0.32647E-01g/sq.ft.
Total inflow at boundaries = -0.82198E-01g/sq.ft.
Mass discrepancy = 0.10952E-05g/sq.ft.

Polygon 1

At time = 75.00, total mass in vadose zone = 0.19925 g/sq.ft.
Mass in gas phase = 0.49254E-02g/sq.ft.
Mass in liquid phase = 0.16009E-01g/sq.ft.
Mass sorbed = 0.17831 g/sq.ft.

Since last printout at time = 70.00

Change in Total Mass = -0.10298E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.53330E-02g/sq.ft.
Diffusion in from atmosphere = -0.58048E-03g/sq.ft.
Diffusion in from water table = -0.43844E-02g/sq.ft.
Total inflow at boundaries = -0.10298E-01g/sq.ft.
Mass discrepancy = 0.41910E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.92495E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.31239E-01g/sq.ft.
Diffusion in from atmosphere = -0.24225E-01g/sq.ft.
Diffusion in from water table = -0.37032E-01g/sq.ft.
Total inflow at boundaries = -0.92496E-01g/sq.ft.
Mass discrepancy = 0.11325E-05g/sq.ft.

Polygon 1

At time = 80.00, total mass in vadose zone = 0.18860 g/sq.ft.
Mass in gas phase = 0.46622E-02g/sq.ft.
Mass in liquid phase = 0.15153E-01g/sq.ft.
Mass sorbed = 0.16878 g/sq.ft.

Since last printout at time = 75.00

Change in Total Mass = -0.10647E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.56819E-02g/sq.ft.
Diffusion in from atmosphere = -0.51874E-03g/sq.ft.
Diffusion in from water table = -0.44464E-02g/sq.ft.
Total inflow at boundaries = -0.10647E-01g/sq.ft.
Mass discrepancy = 0.82888E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.10314 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.36921E-01g/sq.ft.
Diffusion in from atmosphere = -0.24744E-01g/sq.ft.
Diffusion in from water table = -0.41478E-01g/sq.ft.

Total inflow at boundaries = -0.10314 g/sq.ft.
Mass discrepancy = 0.12070E-05g/sq.ft.

Polygon 1

At time = 85.00, total mass in vadose zone = 0.17774 g/sq.ft.
Mass in gas phase = 0.43937E-02g/sq.ft.
Mass in liquid phase = 0.14281E-01g/sq.ft.
Mass sorbed = 0.15906 g/sq.ft.

Since last printout at time = 80.00

Change in Total Mass = -0.10860E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.59427E-02g/sq.ft.
Diffusion in from atmosphere = -0.46413E-03g/sq.ft.
Diffusion in from water table = -0.44532E-02g/sq.ft.
Total inflow at boundaries = -0.10860E-01g/sq.ft.
Mass discrepancy = 0.31665E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.11400 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.42864E-01g/sq.ft.
Diffusion in from atmosphere = -0.25208E-01g/sq.ft.
Diffusion in from water table = -0.45931E-01g/sq.ft.
Total inflow at boundaries = -0.11400 g/sq.ft.
Mass discrepancy = 0.12368E-05g/sq.ft.

Polygon 1

At time = 90.00, total mass in vadose zone = 0.16680 g/sq.ft.
Mass in gas phase = 0.41233E-02g/sq.ft.
Mass in liquid phase = 0.13402E-01g/sq.ft.
Mass sorbed = 0.14928 g/sq.ft.

Since last printout at time = 85.00

Change in Total Mass = -0.10939E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.61134E-02g/sq.ft.
Diffusion in from atmosphere = -0.41572E-03g/sq.ft.
Diffusion in from water table = -0.44095E-02g/sq.ft.
Total inflow at boundaries = -0.10939E-01g/sq.ft.
Mass discrepancy = 0.28871E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.12494 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.48977E-01g/sq.ft.
Diffusion in from atmosphere = -0.25624E-01g/sq.ft.
Diffusion in from water table = -0.50341E-01g/sq.ft.
Total inflow at boundaries = -0.12494 g/sq.ft.
Mass discrepancy = 0.12591E-05g/sq.ft.

Polygon 1

At time = 95.00, total mass in vadose zone = 0.15591 g/sq.ft.
Mass in gas phase = 0.38541E-02g/sq.ft.
Mass in liquid phase = 0.12527E-01g/sq.ft.
Mass sorbed = 0.13953 g/sq.ft.

Since last printout at time = 90.00
 Change in Total Mass = -0.10890E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.61962E-02g/sq.ft.
 Diffusion in from atmosphere = -0.37269E-03g/sq.ft.
 Diffusion in from water table = -0.43212E-02g/sq.ft.
 Total inflow at boundaries = -0.10890E-01g/sq.ft.
 Mass discrepancy = 0.44703E-07g/sq.ft.

Since beginning of run at time = 0.0
 Change in Total Mass = -0.13583 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.55174E-01g/sq.ft.
 Diffusion in from atmosphere = -0.25996E-01g/sq.ft.
 Diffusion in from water table = -0.54662E-01g/sq.ft.
 Total inflow at boundaries = -0.13583 g/sq.ft.
 Mass discrepancy = 0.13113E-05g/sq.ft.

Polygon 1
 At time = 100.00, total mass in vadose zone = 0.14518 g/sq.ft.
 Mass in gas phase = 0.35890E-02g/sq.ft.
 Mass in liquid phase = 0.11665E-01g/sq.ft.
 Mass sorbed = 0.12993 g/sq.ft.

Since last printout at time = 95.00
 Change in Total Mass = -0.10726E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.61970E-02g/sq.ft.
 Diffusion in from atmosphere = -0.33439E-03g/sq.ft.
 Diffusion in from water table = -0.41950E-02g/sq.ft.
 Total inflow at boundaries = -0.10726E-01g/sq.ft.
 Mass discrepancy = 0.86613E-07g/sq.ft.

Since beginning of run at time = 0.0
 Change in Total Mass = -0.14656 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.61370E-01g/sq.ft.
 Diffusion in from atmosphere = -0.26331E-01g/sq.ft.
 Diffusion in from water table = -0.58857E-01g/sq.ft.
 Total inflow at boundaries = -0.14656 g/sq.ft.
 Mass discrepancy = 0.13858E-05g/sq.ft.

Polygon 1
 At time = 105.00, total mass in vadose zone = 0.13472 g/sq.ft.
 Mass in gas phase = 0.33303E-02g/sq.ft.
 Mass in liquid phase = 0.10824E-01g/sq.ft.
 Mass sorbed = 0.12057 g/sq.ft.

Since last printout at time = 100.00
 Change in Total Mass = -0.10462E-01g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.61240E-02g/sq.ft.
 Diffusion in from atmosphere = -0.30023E-03g/sq.ft.
 Diffusion in from water table = -0.40379E-02g/sq.ft.
 Total inflow at boundaries = -0.10462E-01g/sq.ft.
 Mass discrepancy = -0.37253E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.15702 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.67494E-01g/sq.ft.
Diffusion in from atmosphere = -0.26631E-01g/sq.ft.
Diffusion in from water table = -0.62895E-01g/sq.ft.
Total inflow at boundaries = -0.15702 g/sq.ft.
Mass discrepancy = 0.13858E-05g/sq.ft.

Polygon 1

At time = 110.00, total mass in vadose zone = 0.12461 g/sq.ft.
Mass in gas phase = 0.30803E-02g/sq.ft.
Mass in liquid phase = 0.10012E-01g/sq.ft.
Mass sorbed = 0.11152 g/sq.ft.

Since last printout at time = 105.00

Change in Total Mass = -0.10114E-01g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.59872E-02g/sq.ft.
Diffusion in from atmosphere = -0.26971E-03g/sq.ft.
Diffusion in from water table = -0.38570E-02g/sq.ft.
Total inflow at boundaries = -0.10114E-01g/sq.ft.
Mass discrepancy = 0.52154E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.16713 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.73482E-01g/sq.ft.
Diffusion in from atmosphere = -0.26901E-01g/sq.ft.
Diffusion in from water table = -0.66752E-01g/sq.ft.
Total inflow at boundaries = -0.16713 g/sq.ft.
Mass discrepancy = 0.14603E-05g/sq.ft.

Polygon 1

At time = 115.00, total mass in vadose zone = 0.11491 g/sq.ft.
Mass in gas phase = 0.28406E-02g/sq.ft.
Mass in liquid phase = 0.92326E-02g/sq.ft.
Mass sorbed = 0.10284 g/sq.ft.

Since last printout at time = 110.00

Change in Total Mass = -0.96984E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.57973E-02g/sq.ft.
Diffusion in from atmosphere = -0.24242E-03g/sq.ft.
Diffusion in from water table = -0.36588E-02g/sq.ft.
Total inflow at boundaries = -0.96985E-02g/sq.ft.
Mass discrepancy = 0.32596E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.17683 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.79279E-01g/sq.ft.
Diffusion in from atmosphere = -0.27143E-01g/sq.ft.
Diffusion in from water table = -0.70410E-01g/sq.ft.
Total inflow at boundaries = -0.17683 g/sq.ft.
Mass discrepancy = 0.14901E-05g/sq.ft.

Polygon 1

At time = 120.00, total mass in vadose zone = 0.10568 g/sq.ft.
Mass in gas phase = 0.26123E-02g/sq.ft.
Mass in liquid phase = 0.84908E-02g/sq.ft.
Mass sorbed = 0.94574E-01g/sq.ft.

Since last printout at time = 115.00
Change in Total Mass = -0.92323E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.55652E-02g/sq.ft.
Diffusion in from atmosphere = -0.21798E-03g/sq.ft.
Diffusion in from water table = -0.34491E-02g/sq.ft.
Total inflow at boundaries = -0.92324E-02g/sq.ft.
Mass discrepancy = 0.38184E-07g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.18606 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.84844E-01g/sq.ft.
Diffusion in from atmosphere = -0.27361E-01g/sq.ft.
Diffusion in from water table = -0.73860E-01g/sq.ft.
Total inflow at boundaries = -0.18606 g/sq.ft.
Mass discrepancy = 0.15497E-05g/sq.ft.

Polygon 1
At time = 125.00, total mass in vadose zone = 0.96947E-01g/sq.ft.
Mass in gas phase = 0.23965E-02g/sq.ft.
Mass in liquid phase = 0.77893E-02g/sq.ft.
Mass sorbed = 0.86761E-01g/sq.ft.

Since last printout at time = 120.00
Change in Total Mass = -0.87309E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.53014E-02g/sq.ft.
Diffusion in from atmosphere = -0.19608E-03g/sq.ft.
Diffusion in from water table = -0.32334E-02g/sq.ft.
Total inflow at boundaries = -0.87309E-02g/sq.ft.
Mass discrepancy = 0.26077E-07g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.19479 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.90146E-01g/sq.ft.
Diffusion in from atmosphere = -0.27557E-01g/sq.ft.
Diffusion in from water table = -0.77093E-01g/sq.ft.
Total inflow at boundaries = -0.19480 g/sq.ft.
Mass discrepancy = 0.15795E-05g/sq.ft.

Polygon 1
At time = 130.00, total mass in vadose zone = 0.88739E-01g/sq.ft.
Mass in gas phase = 0.21936E-02g/sq.ft.
Mass in liquid phase = 0.71299E-02g/sq.ft.
Mass sorbed = 0.79415E-01g/sq.ft.

Since last printout at time = 125.00
Change in Total Mass = -0.82079E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.50154E-02g/sq.ft.
Diffusion in from atmosphere = -0.17643E-03g/sq.ft.

Diffusion in from water table = -0.30162E-02g/sq.ft.
Total inflow at boundaries = -0.82080E-02g/sq.ft.
Mass discrepancy = 0.35390E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.20300 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.95161E-01g/sq.ft.
Diffusion in from atmosphere = -0.27734E-01g/sq.ft.
Diffusion in from water table = -0.80109E-01g/sq.ft.
Total inflow at boundaries = -0.20300 g/sq.ft.
Mass discrepancy = 0.16093E-05g/sq.ft.

Polygon 1

At time = 135.00, total mass in vadose zone = 0.81063E-01g/sq.ft.
Mass in gas phase = 0.20039E-02g/sq.ft.
Mass in liquid phase = 0.65131E-02g/sq.ft.
Mass sorbed = 0.72546E-01g/sq.ft.

Since last printout at time = 130.00

Change in Total Mass = -0.76756E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.47158E-02g/sq.ft.
Diffusion in from atmosphere = -0.15879E-03g/sq.ft.
Diffusion in from water table = -0.28010E-02g/sq.ft.
Total inflow at boundaries = -0.76756E-02g/sq.ft.
Mass discrepancy = 0.22817E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.21068 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.99877E-01g/sq.ft.
Diffusion in from atmosphere = -0.27892E-01g/sq.ft.
Diffusion in from water table = -0.82910E-01g/sq.ft.
Total inflow at boundaries = -0.21068 g/sq.ft.
Mass discrepancy = 0.16242E-05g/sq.ft.

Polygon 1

At time = 140.00, total mass in vadose zone = 0.73919E-01g/sq.ft.
Mass in gas phase = 0.18273E-02g/sq.ft.
Mass in liquid phase = 0.59392E-02g/sq.ft.
Mass sorbed = 0.66153E-01g/sq.ft.

Since last printout at time = 135.00

Change in Total Mass = -0.71438E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.44099E-02g/sq.ft.
Diffusion in from atmosphere = -0.14295E-03g/sq.ft.
Diffusion in from water table = -0.25910E-02g/sq.ft.
Total inflow at boundaries = -0.71438E-02g/sq.ft.
Mass discrepancy = 0.12573E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.21782 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.10429 g/sq.ft.
Diffusion in from atmosphere = -0.28035E-01g/sq.ft.
Diffusion in from water table = -0.85501E-01g/sq.ft.

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Total inflow at boundaries = -0.21782 g/sq.ft.
Mass discrepancy = 0.16391E-05g/sq.ft.

Polygon 1

At time = 145.00, total mass in vadose zone = 0.67298E-01g/sq.ft.
Mass in gas phase = 0.16636E-02g/sq.ft.
Mass in liquid phase = 0.54072E-02g/sq.ft.
Mass sorbed = 0.60227E-01g/sq.ft.

Since last printout at time = 140.00

Change in Total Mass = -0.66210E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.41040E-02g/sq.ft.
Diffusion in from atmosphere = -0.12871E-03g/sq.ft.
Diffusion in from water table = -0.23883E-02g/sq.ft.
Total inflow at boundaries = -0.66211E-02g/sq.ft.
Mass discrepancy = 0.21420E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.22444 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.10839 g/sq.ft.
Diffusion in from atmosphere = -0.28164E-01g/sq.ft.
Diffusion in from water table = -0.87890E-01g/sq.ft.
Total inflow at boundaries = -0.22444 g/sq.ft.
Mass discrepancy = 0.16689E-05g/sq.ft.

Polygon 1

At time = 150.00, total mass in vadose zone = 0.61185E-01g/sq.ft.
Mass in gas phase = 0.15125E-02g/sq.ft.
Mass in liquid phase = 0.49160E-02g/sq.ft.
Mass sorbed = 0.54756E-01g/sq.ft.

Since last printout at time = 145.00

Change in Total Mass = -0.61137E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.38030E-02g/sq.ft.
Diffusion in from atmosphere = -0.11590E-03g/sq.ft.
Diffusion in from water table = -0.21948E-02g/sq.ft.
Total inflow at boundaries = -0.61137E-02g/sq.ft.
Mass discrepancy = 0.83819E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.23056 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11219 g/sq.ft.
Diffusion in from atmosphere = -0.28280E-01g/sq.ft.
Diffusion in from water table = -0.90084E-01g/sq.ft.
Total inflow at boundaries = -0.23056 g/sq.ft.
Mass discrepancy = 0.16540E-05g/sq.ft.

Polygon 1

At time = 155.00, total mass in vadose zone = 0.55558E-01g/sq.ft.
Mass in gas phase = 0.13734E-02g/sq.ft.
Mass in liquid phase = 0.44639E-02g/sq.ft.
Mass sorbed = 0.49721E-01g/sq.ft.

Since last printout at time = 150.00

Change in Total Mass = -0.56267E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.35108E-02g/sq.ft.
Diffusion in from atmosphere = -0.10439E-03g/sq.ft.
Diffusion in from water table = -0.20115E-02g/sq.ft.
Total inflow at boundaries = -0.56267E-02g/sq.ft.
Mass discrepancy = 0.74506E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.23618 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11570 g/sq.ft.
Diffusion in from atmosphere = -0.28384E-01g/sq.ft.
Diffusion in from water table = -0.92096E-01g/sq.ft.
Total inflow at boundaries = -0.23618 g/sq.ft.
Mass discrepancy = 0.16689E-05g/sq.ft.

Polygon 1

At time = 160.00, total mass in vadose zone = 0.50394E-01g/sq.ft.
Mass in gas phase = 0.12457E-02g/sq.ft.
Mass in liquid phase = 0.40490E-02g/sq.ft.
Mass sorbed = 0.45100E-01g/sq.ft.

Since last printout at time = 155.00

Change in Total Mass = -0.51635E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.32303E-02g/sq.ft.
Diffusion in from atmosphere = -0.94025E-04g/sq.ft.
Diffusion in from water table = -0.18391E-02g/sq.ft.
Total inflow at boundaries = -0.51635E-02g/sq.ft.
Mass discrepancy = 0.17229E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.24135 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11893 g/sq.ft.
Diffusion in from atmosphere = -0.28478E-01g/sq.ft.
Diffusion in from water table = -0.93935E-01g/sq.ft.
Total inflow at boundaries = -0.24135 g/sq.ft.
Mass discrepancy = 0.16838E-05g/sq.ft.

Polygon 1

At time = 165.00, total mass in vadose zone = 0.45668E-01g/sq.ft.
Mass in gas phase = 0.11289E-02g/sq.ft.
Mass in liquid phase = 0.36693E-02g/sq.ft.
Mass sorbed = 0.40870E-01g/sq.ft.

Since last printout at time = 160.00

Change in Total Mass = -0.47264E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.29636E-02g/sq.ft.
Diffusion in from atmosphere = -0.84699E-04g/sq.ft.
Diffusion in from water table = -0.16781E-02g/sq.ft.
Total inflow at boundaries = -0.47264E-02g/sq.ft.
Mass discrepancy = 0.60536E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.24607 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.12190 g/sq.ft.
 Diffusion in from atmosphere = -0.28563E-01g/sq.ft.
 Diffusion in from water table = -0.95613E-01g/sq.ft.
 Total inflow at boundaries = -0.24607 g/sq.ft.
 Mass discrepancy = 0.16838E-05g/sq.ft.

Polygon 1

At time = 170.00, total mass in vadose zone = 0.41351E-01g/sq.ft.
 Mass in gas phase = 0.10222E-02g/sq.ft.
 Mass in liquid phase = 0.33224E-02g/sq.ft.
 Mass sorbed = 0.37007E-01g/sq.ft.

Since last printout at time = 165.00

Change in Total Mass = -0.43167E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.27120E-02g/sq.ft.
 Diffusion in from atmosphere = -0.76304E-04g/sq.ft.
 Diffusion in from water table = -0.15284E-02g/sq.ft.
 Total inflow at boundaries = -0.43167E-02g/sq.ft.
 Mass discrepancy = 0.11176E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.25039 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.12461 g/sq.ft.
 Diffusion in from atmosphere = -0.28639E-01g/sq.ft.
 Diffusion in from water table = -0.97141E-01g/sq.ft.
 Total inflow at boundaries = -0.25039 g/sq.ft.
 Mass discrepancy = 0.16987E-05g/sq.ft.

Polygon 1

At time = 175.00, total mass in vadose zone = 0.37416E-01g/sq.ft.
 Mass in gas phase = 0.92493E-03g/sq.ft.
 Mass in liquid phase = 0.30063E-02g/sq.ft.
 Mass sorbed = 0.33485E-01g/sq.ft.

Since last printout at time = 170.00

Change in Total Mass = -0.39350E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.24763E-02g/sq.ft.
 Diffusion in from atmosphere = -0.68746E-04g/sq.ft.
 Diffusion in from water table = -0.13899E-02g/sq.ft.
 Total inflow at boundaries = -0.39350E-02g/sq.ft.
 Mass discrepancy = 0.18626E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.25432 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.12709 g/sq.ft.
 Diffusion in from atmosphere = -0.28708E-01g/sq.ft.
 Diffusion in from water table = -0.98531E-01g/sq.ft.
 Total inflow at boundaries = -0.25433 g/sq.ft.
 Mass discrepancy = 0.17583E-05g/sq.ft.

Polygon 1

At time = 180.00, total mass in vadose zone = 0.33835E-01g/sq.ft.
Mass in gas phase = 0.83641E-03g/sq.ft.
Mass in liquid phase = 0.27186E-02g/sq.ft.
Mass sorbed = 0.30280E-01g/sq.ft.

Since last printout at time = 175.00
Change in Total Mass = -0.35810E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.22568E-02g/sq.ft.
Diffusion in from atmosphere = -0.61939E-04g/sq.ft.
Diffusion in from water table = -0.12622E-02g/sq.ft.
Total inflow at boundaries = -0.35810E-02g/sq.ft.
Mass discrepancy = 0.76834E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.25791 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.12934 g/sq.ft.
Diffusion in from atmosphere = -0.28770E-01g/sq.ft.
Diffusion in from water table = -0.99794E-01g/sq.ft.
Total inflow at boundaries = -0.25791 g/sq.ft.
Mass discrepancy = 0.17583E-05g/sq.ft.

Polygon 1
At time = 185.00, total mass in vadose zone = 0.30581E-01g/sq.ft.
Mass in gas phase = 0.75597E-03g/sq.ft.
Mass in liquid phase = 0.24571E-02g/sq.ft.
Mass sorbed = 0.27368E-01g/sq.ft.

Since last printout at time = 180.00
Change in Total Mass = -0.32541E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.20533E-02g/sq.ft.
Diffusion in from atmosphere = -0.55809E-04g/sq.ft.
Diffusion in from water table = -0.11450E-02g/sq.ft.
Total inflow at boundaries = -0.32541E-02g/sq.ft.
Mass discrepancy = 0.60536E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.26116 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13140 g/sq.ft.
Diffusion in from atmosphere = -0.28826E-01g/sq.ft.
Diffusion in from water table = -0.10094 g/sq.ft.
Total inflow at boundaries = -0.26116 g/sq.ft.
Mass discrepancy = 0.17881E-05g/sq.ft.

Polygon 1
At time = 190.00, total mass in vadose zone = 0.27628E-01g/sq.ft.
Mass in gas phase = 0.68296E-03g/sq.ft.
Mass in liquid phase = 0.22198E-02g/sq.ft.
Mass sorbed = 0.24725E-01g/sq.ft.

Since last printout at time = 185.00
Change in Total Mass = -0.29534E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.18655E-02g/sq.ft.
Diffusion in from atmosphere = -0.50288E-04g/sq.ft.

Diffusion in from water table = -0.10376E-02g/sq.ft.
 Total inflow at boundaries = -0.29534E-02g/sq.ft.
 Mass discrepancy = 0.32596E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.26411 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.13326 g/sq.ft.
 Diffusion in from atmosphere = -0.28876E-01g/sq.ft.
 Diffusion in from water table = -0.10198 g/sq.ft.
 Total inflow at boundaries = -0.26411 g/sq.ft.
 Mass discrepancy = 0.17881E-05g/sq.ft.

Polygon 1

At time = 195.00, total mass in vadose zone = 0.24950E-01g/sq.ft.
 Mass in gas phase = 0.61677E-03g/sq.ft.
 Mass in liquid phase = 0.20047E-02g/sq.ft.
 Mass sorbed = 0.22329E-01g/sq.ft.

Since last printout at time = 190.00

Change in Total Mass = -0.26776E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.16928E-02g/sq.ft.
 Diffusion in from atmosphere = -0.45314E-04g/sq.ft.
 Diffusion in from water table = -0.93948E-03g/sq.ft.
 Total inflow at boundaries = -0.26776E-02g/sq.ft.
 Mass discrepancy = 0.12806E-07g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.26679 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.13496 g/sq.ft.
 Diffusion in from atmosphere = -0.28921E-01g/sq.ft.
 Diffusion in from water table = -0.10292 g/sq.ft.
 Total inflow at boundaries = -0.26679 g/sq.ft.
 Mass discrepancy = 0.17881E-05g/sq.ft.

Polygon 1

At time = 200.00, total mass in vadose zone = 0.22525E-01g/sq.ft.
 Mass in gas phase = 0.55681E-03g/sq.ft.
 Mass in liquid phase = 0.18098E-02g/sq.ft.
 Mass sorbed = 0.20158E-01g/sq.ft.

Since last printout at time = 195.00

Change in Total Mass = -0.24254E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.15345E-02g/sq.ft.
 Diffusion in from atmosphere = -0.40833E-04g/sq.ft.
 Diffusion in from water table = -0.85003E-03g/sq.ft.
 Total inflow at boundaries = -0.24254E-02g/sq.ft.
 Mass discrepancy = 0.58208E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.26922 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.13649 g/sq.ft.
 Diffusion in from atmosphere = -0.28962E-01g/sq.ft.
 Diffusion in from water table = -0.10377 g/sq.ft.

Total inflow at boundaries = -0.26922 g/sq.ft.
Mass discrepancy = 0.17881E-05g/sq.ft.

lygon 1
At time = 205.00, total mass in vadose zone = 0.20330E-01g/sq.ft.
Mass in gas phase = 0.50255E-03g/sq.ft.
Mass in liquid phase = 0.16334E-02g/sq.ft.
Mass sorbed = 0.18194E-01g/sq.ft.

Since last printout at time = 200.00
Change in Total Mass = -0.21951E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13897E-02g/sq.ft.
Diffusion in from atmosphere = -0.36796E-04g/sq.ft.
Diffusion in from water table = -0.76862E-03g/sq.ft.
Total inflow at boundaries = -0.21951E-02g/sq.ft.
Mass discrepancy = 0.13970E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.27141 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13788 g/sq.ft.
Diffusion in from atmosphere = -0.28999E-01g/sq.ft.
Diffusion in from water table = -0.10453 g/sq.ft.
Total inflow at boundaries = -0.27141 g/sq.ft.
Mass discrepancy = 0.17881E-05g/sq.ft.

lygon 1
At time = 210.00, total mass in vadose zone = 0.18344E-01g/sq.ft.
Mass in gas phase = 0.45347E-03g/sq.ft.
Mass in liquid phase = 0.14739E-02g/sq.ft.
Mass sorbed = 0.16417E-01g/sq.ft.

Since last printout at time = 205.00
Change in Total Mass = -0.19854E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.12577E-02g/sq.ft.
Diffusion in from atmosphere = -0.33159E-04g/sq.ft.
Diffusion in from water table = -0.69464E-03g/sq.ft.
Total inflow at boundaries = -0.19855E-02g/sq.ft.
Mass discrepancy = 0.10710E-07g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.27340 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.13914 g/sq.ft.
Diffusion in from atmosphere = -0.29032E-01g/sq.ft.
Diffusion in from water table = -0.10523 g/sq.ft.
Total inflow at boundaries = -0.27340 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

lygon 1
At time = 215.00, total mass in vadose zone = 0.16549E-01g/sq.ft.
Mass in gas phase = 0.40910E-03g/sq.ft.
Mass in liquid phase = 0.13297E-02g/sq.ft.
Mass sorbed = 0.14811E-01g/sq.ft.

Since last printout at time = 210.00
Change in Total Mass = -0.17948E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.11374E-02g/sq.ft.
Diffusion in from atmosphere = -0.29882E-04g/sq.ft.
Diffusion in from water table = -0.62750E-03g/sq.ft.
Total inflow at boundaries = -0.17948E-02g/sq.ft.
Mass discrepancy = 0.69849E-09g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.27519 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14027 g/sq.ft.
Diffusion in from atmosphere = -0.29062E-01g/sq.ft.
Diffusion in from water table = -0.10586 g/sq.ft.
Total inflow at boundaries = -0.27519 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1
At time = 220.00, total mass in vadose zone = 0.14928E-01g/sq.ft.
Mass in gas phase = 0.36902E-03g/sq.ft.
Mass in liquid phase = 0.11994E-02g/sq.ft.
Mass sorbed = 0.13359E-01g/sq.ft.

Since last printout at time = 215.00
Change in Total Mass = -0.16216E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.10281E-02g/sq.ft.
Diffusion in from atmosphere = -0.26929E-04g/sq.ft.
Diffusion in from water table = -0.56665E-03g/sq.ft.
Total inflow at boundaries = -0.16216E-02g/sq.ft.
Mass discrepancy = 0.41910E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.27681 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14130 g/sq.ft.
Diffusion in from atmosphere = -0.29089E-01g/sq.ft.
Diffusion in from water table = -0.10642 g/sq.ft.
Total inflow at boundaries = -0.27681 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1
At time = 225.00, total mass in vadose zone = 0.13463E-01g/sq.ft.
Mass in gas phase = 0.33281E-03g/sq.ft.
Mass in liquid phase = 0.10817E-02g/sq.ft.
Mass sorbed = 0.12049E-01g/sq.ft.

Since last printout at time = 220.00
Change in Total Mass = -0.14646E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.92881E-03g/sq.ft.
Diffusion in from atmosphere = -0.24268E-04g/sq.ft.
Diffusion in from water table = -0.51153E-03g/sq.ft.
Total inflow at boundaries = -0.14646E-02g/sq.ft.
Mass discrepancy = 0.22119E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.27828 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14223 g/sq.ft.
 Diffusion in from atmosphere = -0.29113E-01g/sq.ft.
 Diffusion in from water table = -0.10693 g/sq.ft.
 Total inflow at boundaries = -0.27828 g/sq.ft.
 Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 230.00, total mass in vadose zone = 0.12141E-01g/sq.ft.
 Mass in gas phase = 0.30012E-03g/sq.ft.
 Mass in liquid phase = 0.97548E-03g/sq.ft.
 Mass sorbed = 0.10865E-01g/sq.ft.

Since last printout at time = 225.00

Change in Total Mass = -0.13223E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.83881E-03g/sq.ft.
 Diffusion in from atmosphere = -0.21870E-04g/sq.ft.
 Diffusion in from water table = -0.46165E-03g/sq.ft.
 Total inflow at boundaries = -0.13223E-02g/sq.ft.
 Mass discrepancy = 0.43074E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.27960 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14307 g/sq.ft.
 Diffusion in from atmosphere = -0.29135E-01g/sq.ft.
 Diffusion in from water table = -0.10740 g/sq.ft.
 Total inflow at boundaries = -0.27960 g/sq.ft.
 Mass discrepancy = 0.17881E-05g/sq.ft.

Polygon 1

At time = 235.00, total mass in vadose zone = 0.10947E-01g/sq.ft.
 Mass in gas phase = 0.27062E-03g/sq.ft.
 Mass in liquid phase = 0.87959E-03g/sq.ft.
 Mass sorbed = 0.97972E-02g/sq.ft.

Since last printout at time = 230.00

Change in Total Mass = -0.11935E-02g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.75728E-03g/sq.ft.
 Diffusion in from atmosphere = -0.19709E-04g/sq.ft.
 Diffusion in from water table = -0.41654E-03g/sq.ft.
 Total inflow at boundaries = -0.11935E-02g/sq.ft.
 Mass discrepancy = 0.13970E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28079 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14383 g/sq.ft.
 Diffusion in from atmosphere = -0.29155E-01g/sq.ft.
 Diffusion in from water table = -0.10781 g/sq.ft.
 Total inflow at boundaries = -0.28080 g/sq.ft.
 Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 240.00, total mass in vadose zone = 0.98704E-02g/sq.ft.
Mass in gas phase = 0.24400E-03g/sq.ft.
Mass in liquid phase = 0.79305E-03g/sq.ft.
Mass sorbed = 0.88333E-02g/sq.ft.

Since last printout at time = 235.00
Change in Total Mass = -0.10770E-02g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.68348E-03g/sq.ft.
Diffusion in from atmosphere = -0.17762E-04g/sq.ft.
Diffusion in from water table = -0.37577E-03g/sq.ft.
Total inflow at boundaries = -0.10770E-02g/sq.ft.
Mass discrepancy = 0.24447E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.28187 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14451 g/sq.ft.
Diffusion in from atmosphere = -0.29173E-01g/sq.ft.
Diffusion in from water table = -0.10819 g/sq.ft.
Total inflow at boundaries = -0.28187 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1
At time = 245.00, total mass in vadose zone = 0.88987E-02g/sq.ft.
Mass in gas phase = 0.21998E-03g/sq.ft.
Mass in liquid phase = 0.71498E-03g/sq.ft.
Mass sorbed = 0.79638E-02g/sq.ft.

Since last printout at time = 240.00
Change in Total Mass = -0.97166E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.61673E-03g/sq.ft.
Diffusion in from atmosphere = -0.16007E-04g/sq.ft.
Diffusion in from water table = -0.33893E-03g/sq.ft.
Total inflow at boundaries = -0.97167E-03g/sq.ft.
Mass discrepancy = 0.40745E-08g/sq.ft.

Since beginning of run at time = 0.0
Change in Total Mass = -0.28284 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14513 g/sq.ft.
Diffusion in from atmosphere = -0.29189E-01g/sq.ft.
Diffusion in from water table = -0.10853 g/sq.ft.
Total inflow at boundaries = -0.28284 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1
At time = 250.00, total mass in vadose zone = 0.80223E-02g/sq.ft.
Mass in gas phase = 0.19831E-03g/sq.ft.
Mass in liquid phase = 0.64456E-03g/sq.ft.
Mass sorbed = 0.71794E-02g/sq.ft.

Since last printout at time = 245.00
Change in Total Mass = -0.87648E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.55639E-03g/sq.ft.
Diffusion in from atmosphere = -0.14426E-04g/sq.ft.

Diffusion in from water table = -0.30567E-03g/sq.ft.
Total inflow at boundaries = -0.87648E-03g/sq.ft.
Mass discrepancy = 0.16880E-08g/sq.ft.

ce beginning of run at time = 0.0

Change in Total Mass = -0.28372 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14568 g/sq.ft.
Diffusion in from atmosphere = -0.29203E-01g/sq.ft.
Diffusion in from water table = -0.10883 g/sq.ft.
Total inflow at boundaries = -0.28372 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 255.00, total mass in vadose zone = 0.72318E-02g/sq.ft.
Mass in gas phase = 0.17877E-03g/sq.ft.
Mass in liquid phase = 0.58105E-03g/sq.ft.
Mass sorbed = 0.64719E-02g/sq.ft.

Since last printout at time = 250.00

Change in Total Mass = -0.79050E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.50187E-03g/sq.ft.
Diffusion in from atmosphere = -0.13001E-04g/sq.ft.
Diffusion in from water table = -0.27564E-03g/sq.ft.
Total inflow at boundaries = -0.79050E-03g/sq.ft.
Mass discrepancy = 0.23283E-08g/sq.ft.

ce beginning of run at time = 0.0

Change in Total Mass = -0.28451 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14619 g/sq.ft.
Diffusion in from atmosphere = -0.29216E-01g/sq.ft.
Diffusion in from water table = -0.10911 g/sq.ft.
Total inflow at boundaries = -0.28451 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 260.00, total mass in vadose zone = 0.65189E-02g/sq.ft.
Mass in gas phase = 0.16115E-03g/sq.ft.
Mass in liquid phase = 0.52377E-03g/sq.ft.
Mass sorbed = 0.58340E-02g/sq.ft.

Since last printout at time = 255.00

Change in Total Mass = -0.71287E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.45262E-03g/sq.ft.
Diffusion in from atmosphere = -0.11717E-04g/sq.ft.
Diffusion in from water table = -0.24853E-03g/sq.ft.
Total inflow at boundaries = -0.71287E-03g/sq.ft.
Mass discrepancy = 0.15134E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28522 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14664 g/sq.ft.
Diffusion in from atmosphere = -0.29228E-01g/sq.ft.
Diffusion in from water table = -0.10936 g/sq.ft.

Total inflow at boundaries = -0.28522 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 265.00, total mass in vadose zone = 0.58761E-02g/sq.ft.
Mass in gas phase = 0.14526E-03g/sq.ft.
Mass in liquid phase = 0.47212E-03g/sq.ft.
Mass sorbed = 0.52587E-02g/sq.ft.

Since last printout at time = 260.00

Change in Total Mass = -0.64280E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.40817E-03g/sq.ft.
Diffusion in from atmosphere = -0.10559E-04g/sq.ft.
Diffusion in from water table = -0.22408E-03g/sq.ft.
Total inflow at boundaries = -0.64280E-03g/sq.ft.
Mass discrepancy = 0.13388E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28586 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14705 g/sq.ft.
Diffusion in from atmosphere = -0.29238E-01g/sq.ft.
Diffusion in from water table = -0.10958 g/sq.ft.
Total inflow at boundaries = -0.28587 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 270.00, total mass in vadose zone = 0.52965E-02g/sq.ft.
Mass in gas phase = 0.13093E-03g/sq.ft.
Mass in liquid phase = 0.42556E-03g/sq.ft.
Mass sorbed = 0.47400E-02g/sq.ft.

Since last printout at time = 265.00

Change in Total Mass = -0.57957E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.36804E-03g/sq.ft.
Diffusion in from atmosphere = -0.95165E-05g/sq.ft.
Diffusion in from water table = -0.20201E-03g/sq.ft.
Total inflow at boundaries = -0.57957E-03g/sq.ft.
Mass discrepancy = 0.40745E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28644 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14741 g/sq.ft.
Diffusion in from atmosphere = -0.29248E-01g/sq.ft.
Diffusion in from water table = -0.10978 g/sq.ft.
Total inflow at boundaries = -0.28645 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 275.00, total mass in vadose zone = 0.47740E-02g/sq.ft.
Mass in gas phase = 0.11801E-03g/sq.ft.
Mass in liquid phase = 0.38357E-03g/sq.ft.
Mass sorbed = 0.42724E-02g/sq.ft.

Since last printout at time = 270.00

Change in Total Mass = -0.52252E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.33183E-03g/sq.ft.
Diffusion in from atmosphere = -0.85765E-05g/sq.ft.
Diffusion in from water table = -0.18211E-03g/sq.ft.
Total inflow at boundaries = -0.52252E-03g/sq.ft.
Mass discrepancy = 0.22119E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28697 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14775 g/sq.ft.
Diffusion in from atmosphere = -0.29256E-01g/sq.ft.
Diffusion in from water table = -0.10997 g/sq.ft.
Total inflow at boundaries = -0.28697 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 280.00, total mass in vadose zone = 0.43029E-02g/sq.ft.
Mass in gas phase = 0.10637E-03g/sq.ft.
Mass in liquid phase = 0.34573E-03g/sq.ft.
Mass sorbed = 0.38508E-02g/sq.ft.

Since last printout at time = 275.00

Change in Total Mass = -0.47106E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.29916E-03g/sq.ft.
Diffusion in from atmosphere = -0.77294E-05g/sq.ft.
Diffusion in from water table = -0.16417E-03g/sq.ft.
Total inflow at boundaries = -0.47106E-03g/sq.ft.
Mass discrepancy = 0.14552E-08g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28744 g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.14805 g/sq.ft.
Diffusion in from atmosphere = -0.29264E-01g/sq.ft.
Diffusion in from water table = -0.11013 g/sq.ft.
Total inflow at boundaries = -0.28744 g/sq.ft.
Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 285.00, total mass in vadose zone = 0.38783E-02g/sq.ft.
Mass in gas phase = 0.95871E-04g/sq.ft.
Mass in liquid phase = 0.31161E-03g/sq.ft.
Mass sorbed = 0.34708E-02g/sq.ft.

Since last printout at time = 280.00

Change in Total Mass = -0.42464E-03g/sq.ft.
Advection in from atmosphere = 0.00000 g/sq.ft.
Advection in from water table = -0.26970E-03g/sq.ft.
Diffusion in from atmosphere = -0.69659E-05g/sq.ft.
Diffusion in from water table = -0.14798E-03g/sq.ft.
Total inflow at boundaries = -0.42464E-03g/sq.ft.
Mass discrepancy = 0.78580E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28786 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14832 g/sq.ft.
 Diffusion in from atmosphere = -0.29271E-01g/sq.ft.
 Diffusion in from water table = -0.11028 g/sq.ft.
 Total inflow at boundaries = -0.28786 g/sq.ft.
 Mass discrepancy = 0.17881E-05g/sq.ft.

Polygon 1

At time = 290.00, total mass in vadose zone = 0.34955E-02g/sq.ft.
 Mass in gas phase = 0.86409E-04g/sq.ft.
 Mass in liquid phase = 0.28085E-03g/sq.ft.
 Mass sorbed = 0.31283E-02g/sq.ft.

Since last printout at time = 285.00

Change in Total Mass = -0.38278E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.24312E-03g/sq.ft.
 Diffusion in from atmosphere = -0.62779E-05g/sq.ft.
 Diffusion in from water table = -0.13339E-03g/sq.ft.
 Total inflow at boundaries = -0.38279E-03g/sq.ft.
 Mass discrepancy = 0.84401E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28825 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14856 g/sq.ft.
 Diffusion in from atmosphere = -0.29277E-01g/sq.ft.
 Diffusion in from water table = -0.11041 g/sq.ft.
 Total inflow at boundaries = -0.28825 g/sq.ft.
 Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 295.00, total mass in vadose zone = 0.31505E-02g/sq.ft.
 Mass in gas phase = 0.77880E-04g/sq.ft.
 Mass in liquid phase = 0.25313E-03g/sq.ft.
 Mass sorbed = 0.28195E-02g/sq.ft.

Since last printout at time = 290.00

Change in Total Mass = -0.34504E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.21915E-03g/sq.ft.
 Diffusion in from atmosphere = -0.56579E-05g/sq.ft.
 Diffusion in from water table = -0.12023E-03g/sq.ft.
 Total inflow at boundaries = -0.34504E-03g/sq.ft.
 Mass discrepancy = 0.55297E-09g/sq.ft.

Since beginning of run at time = 0.0

Change in Total Mass = -0.28859 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14878 g/sq.ft.
 Diffusion in from atmosphere = -0.29283E-01g/sq.ft.
 Diffusion in from water table = -0.11053 g/sq.ft.
 Total inflow at boundaries = -0.28859 g/sq.ft.
 Mass discrepancy = 0.18179E-05g/sq.ft.

Polygon 1

At time = 300.00, total mass in vadose zone = 0.28395E-02g/sq.ft.
 Mass in gas phase = 0.70191E-04g/sq.ft.
 Mass in liquid phase = 0.22814E-03g/sq.ft.
 Mass sorbed = 0.25411E-02g/sq.ft.

Since last printout at time = 295.00
 Change in Total Mass = -0.31101E-03g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.19754E-03g/sq.ft.
 Diffusion in from atmosphere = -0.50990E-05g/sq.ft.
 Diffusion in from water table = -0.10837E-03g/sq.ft.
 Total inflow at boundaries = -0.31101E-03g/sq.ft.
 Mass discrepancy = 0.78580E-09g/sq.ft.

Since beginning of run at time = 0.0
 Change in Total Mass = -0.28890 g/sq.ft.
 Advection in from atmosphere = 0.00000 g/sq.ft.
 Advection in from water table = -0.14898 g/sq.ft.
 Diffusion in from atmosphere = -0.29288E-01g/sq.ft.
 Diffusion in from water table = -0.11064 g/sq.ft.
 Total inflow at boundaries = -0.28890 g/sq.ft.
 Mass discrepancy = 0.18179E-05g/sq.ft.

GROUNDWATER IMPACT OF POLYGON 1

Time	Mass per area (g/sq.ft.)	Total Mass (g)
5.00	0.43188E-03	0.43188E-03
10.00	0.66407E-03	0.66407E-03
15.00	0.98086E-03	0.98086E-03
20.00	0.13966E-02	0.13966E-02
25.00	0.19214E-02	0.19214E-02
30.00	0.25583E-02	0.25583E-02
35.00	0.33001E-02	0.33001E-02
40.00	0.41295E-02	0.41295E-02
45.00	0.50199E-02	0.50199E-02
50.00	0.59376E-02	0.59376E-02
55.00	0.68460E-02	0.68460E-02
60.00	0.77083E-02	0.77083E-02
65.00	0.84914E-02	0.84914E-02
70.00	0.91677E-02	0.91677E-02
75.00	0.97174E-02	0.97174E-02
80.00	0.10128E-01	0.10128E-01
85.00	0.10396E-01	0.10396E-01
90.00	0.10523E-01	0.10523E-01
95.00	0.10517E-01	0.10517E-01
100.00	0.10392E-01	0.10392E-01
105.00	0.10162E-01	0.10162E-01
110.00	0.98442E-02	0.98442E-02
115.00	0.94561E-02	0.94561E-02
120.00	0.90144E-02	0.90144E-02
125.00	0.85348E-02	0.85348E-02
130.00	0.80315E-02	0.80315E-02
135.00	0.75168E-02	0.75168E-02
140.00	0.70009E-02	0.70009E-02
145.00	0.64923E-02	0.64923E-02
150.00	0.59978E-02	0.59978E-02
155.00	0.55223E-02	0.55223E-02
160.00	0.50695E-02	0.50695E-02
165.00	0.46417E-02	0.46417E-02

170.00	0.42404E-02	0.42404E-02
175.00	0.38662E-02	0.38662E-02
180.00	0.35190E-02	0.35190E-02
185.00	0.31983E-02	0.31983E-02
190.00	0.29031E-02	0.29031E-02
195.00	0.26323E-02	0.26323E-02
200.00	0.23845E-02	0.23845E-02
205.00	0.21583E-02	0.21583E-02
210.00	0.19523E-02	0.19523E-02
215.00	0.17649E-02	0.17649E-02
220.00	0.15947E-02	0.15947E-02
225.00	0.14403E-02	0.14403E-02
230.00	0.13005E-02	0.13005E-02
235.00	0.11738E-02	0.11738E-02
240.00	0.10592E-02	0.10592E-02
245.00	0.95566E-03	0.95566E-03
250.00	0.86205E-03	0.86205E-03
255.00	0.77750E-03	0.77750E-03
260.00	0.70116E-03	0.70116E-03
265.00	0.63224E-03	0.63224E-03
270.00	0.57005E-03	0.57005E-03
275.00	0.51394E-03	0.51394E-03
280.00	0.46333E-03	0.46333E-03
285.00	0.41768E-03	0.41768E-03
290.00	0.37651E-03	0.37651E-03
295.00	0.33938E-03	0.33938E-03
300.00	0.30591E-03	0.30591E-03

TOTAL GROUNDWATER IMPACT

Time (yr)	Mass (g)	Cumulative Mass (g)
5.00	0.43188E-03	0.43188E-03
10.00	0.66407E-03	0.10960E-02
15.00	0.98086E-03	0.20768E-02
20.00	0.13966E-02	0.34734E-02
25.00	0.19214E-02	0.53948E-02
30.00	0.25583E-02	0.79531E-02
35.00	0.33001E-02	0.11253E-01
40.00	0.41295E-02	0.15383E-01
45.00	0.50199E-02	0.20403E-01
50.00	0.59376E-02	0.26340E-01
55.00	0.68460E-02	0.33186E-01
60.00	0.77083E-02	0.40894E-01
65.00	0.84914E-02	0.49386E-01
70.00	0.91677E-02	0.58554E-01
75.00	0.97174E-02	0.68271E-01
80.00	0.10128E-01	0.78399E-01
85.00	0.10396E-01	0.88795E-01
90.00	0.10523E-01	0.99318E-01
95.00	0.10517E-01	0.10984
100.00	0.10392E-01	0.12023
105.00	0.10162E-01	0.13039
110.00	0.98442E-02	0.14023
115.00	0.94561E-02	0.14969
120.00	0.90144E-02	0.15870
125.00	0.85348E-02	0.16724
130.00	0.80315E-02	0.17527
135.00	0.75168E-02	0.18279

140.00	0.70009E-02	0.18979
145.00	0.64923E-02	0.19628
150.00	0.59978E-02	0.20228
155.00	0.55223E-02	0.20780
160.00	0.50695E-02	0.21287
165.00	0.46417E-02	0.21751
170.00	0.42404E-02	0.22175
175.00	0.38662E-02	0.22562
180.00	0.35190E-02	0.22914
185.00	0.31983E-02	0.23234
190.00	0.29031E-02	0.23524
195.00	0.26323E-02	0.23787
200.00	0.23845E-02	0.24026
205.00	0.21583E-02	0.24241
210.00	0.19523E-02	0.24437
215.00	0.17649E-02	0.24613
220.00	0.15947E-02	0.24773
225.00	0.14403E-02	0.24917
230.00	0.13005E-02	0.25047
235.00	0.11738E-02	0.25164
240.00	0.10592E-02	0.25270
245.00	0.95566E-03	0.25366
250.00	0.86205E-03	0.25452
255.00	0.77750E-03	0.25529
260.00	0.70116E-03	0.25600
265.00	0.63224E-03	0.25663
270.00	0.57005E-03	0.25720
275.00	0.51394E-03	0.25771
280.00	0.46333E-03	0.25818
285.00	0.41768E-03	0.25859
290.00	0.37651E-03	0.25897
295.00	0.33938E-03	0.25931
300.00	0.30591E-03	0.25962