Versar INC.

January 6, 1994

Mr. Peter Kinney
Project Manager
County of Alameda
General Services Agency
4400 MacArthur Boulevard
Oakland, California 94619

SUBJECT: FINAL CONTAMINANT MODELING USING SESOIL FOR OLD GRAYSTONE FUELING AREA, SANTA RITA CORRECTIONAL FACILITY, ALAMEDA COUNTY, CALIFORNIA. Versar Project No. 2241-007

Dear Mr. Kinney:

We are pleased to submit our draft report for the contaminant modeling performed by Versar, Inc. for the County of Alameda General Services Agency (County) in accordance with our contract dated November 8, 1993. Versar used the EPA SESOIL software program (General Sciences Corporation, 1989) to model the contaminant migration of specific hydrocarbon products through soils at the Old Graystone Fueling Area at the Santa Rita Correction Facility (site) in Alameda County, California. The soils from which the laboratory analytical data was generated were excavation stockpiles (biodegradation cell) produced during removal of underground storage tank (UST) numbers 11, 12, and 12a at the site. The laboratory data used for the modeling was based on Environmental Science and Engineering, Inc. reports provided by Alameda County Engineer, Mr. Peter Kinney.

Objective

The objective of the modeling is to estimate the potential amount and depth of migration of specific petroleum hydrocarbon components through the subsurface of the site over a given period of time.

Data and Modeling Analysis

Four separate runs of the modeling exercise were performed to estimate the subsurface migration of each of the petroleum hydrocarbon components; gasoline, ethylbenzene, toluene and xylenes. The model estimates the vertical migration of the contaminant through the soils beneath the given biodegradation cell located at the Graystone Fueling Area at the site as further described below.

The biodegradation cell is an elongated trapezoid approximately 320 feet long, 150 feet wide at the east end, 80 feet wide at the west end, and one foot thick. The total volume of soil is

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1255 HARBOR BAY PARKWAY, SUITE 100 • ALAMEDA, CALIFORNIA 94501 • TELEPHONE: (415) 748-6444

approximately 36,800 cubic feet. Laboratory analytical results from soil samples collected between June and August 1993 reported the presence of low concentrations of petroleum hydrocarbons as diesel and gasoline (less than 26 milligrams per kilogram, with lesser concentrations of toluene, ethylbenzene, and xylenes present in the cell. It should be noted that benzene was not reported present in any of the analytical data used for the modeling. Metal concentrations reported present in the soils were well below Total Threshold Limit Concentration Values listed in Title 22 of the California Code of Regulations.

The SESOIL model requires input parameters of climate, soils types, chemical and application data. The climate data used was extracted from a database supplied with the software. The selected climate data is specific for Oakland, California. The soils data is based on lithologic logs from the site investigation (ESE, 1993) that indicate four well defined lithologic units between the ground surface and the water table (located at approximately 25 feet below ground surface). The soil parameters were defined to represent the four lithological units. Graphs showing the calculated contaminant migration depth versus time are included as Attachment A. Specific climate, soils, chemical and application data for each model run is specified in the data sheets presented in Attachment B.

The chemical data input to the software program was based on the laboratory results supplied by the County. Chemical parameters such as Henry's Constant, biodegradability, and molecular weight are defined for each chemical compound. Model runs were conducted for each of the contaminants of concern using diesel as a ligand. The four model runs conducted were: (1) gasoline in diesel; (2) toluene in diesel; (3) ethylbenzene in diesel; and (4) xylenes in diesel.

The model calculates the mass of diesel, gasoline, toluene, ethylbenzene, and xylenes applied to the top layer of soil to simulate the initial loading conditions. The mass of diesel was calculated to be 23.915 kilograms (kg). The mass of gasoline was calculated to be 2.397 kg. The mass of toluene, ethylbenzene, and xylenes are 0.008 kg, 0.071 kg, and 0.122 kg, respectively. Note that the gasoline, toluene, ethylbenzene, and xylenes calculations were based on 27 soil samples and that all non-detect results were assumed to be concentrations equal to the reporting limit. This conservative approach was maintained during all phases of the simulation. A period of 30 years was simulated for each run.

The primary assumptions associated with the SESOIL estimation are:

- All data provided to Versar represents an accurate assessment of the current site conditions.

- There are no preexisting contaminated soils beneath the biodegradation cell.
- All non-detect analytical results represent a contaminant concentration equal to the method detection limit.
- The diesel ligand is non-biodegradable and non-volatile (this assumption is used to maintain a conservative approach).
- The soil pile and contaminants are homogenous.
- The contaminants are applied to the upper layer of soil (beneath the biodegradation cell) on the first day of the first month of the simulation.
- All other parameters are as stipulated on the printout for each simulation.

Discussion of Results

The results of the simulations indicate the maximum depth of gasoline after 30 years would be 1.81 meters with 90 percent of the initial mass applied having been degraded or volatilized within the first 20 years (Figure 1a). The maximum calculated concentration of 56.57 micrograms per kilogram (μg/kg) of gasoline remained adsorbed to the soils (Figure 1b), which is less than the practical quantitation limits (PQL)(1000 μg/kg) for the analytical method for gasoline analysis. The maximum depth of toluene after 30 years was 2.353 meters with over 90 percent of the initial mass degraded or volatilized within 10 years (Figure 2a). The maximum calculated concentration of toluene (4.56×10^{-3} μg/kg) remaining adsorbed to the soils after 30 years (Figure 2b) was well below the PQL (5 μg/kg) of the analytical method for benzene analysis. Ethylbenzene migrated to a maximum depth of 0.827 meters after 30 years with 90 percent of the initial mass volatilized or degraded within eight years (Figure 3a). The calculated maximum concentration of ethylbenzene (7.92×10^{-6} μg/kg) adsorbed to the soils after 30 years (Figure 3b) was below the PQL (5 μg/kg) for the analytical method of ethylbenzene analysis. Xylenes migrated to a maximum depth of 1.094 meters with 90 percent of the initial mass volatilized or degraded within eight years (Figure 4a). The calculated maximum concentration of xylenes (1.03×10^{-4} μg/kg) remaining adsorbed to the soils after 30 years (Figure 4b) was below the PQL (5 μg/kg) for the analytical method for xylene analysis. For all intents and purposes these results indicate that all of the petroleum hydrocarbons modeled were essentially "non-detect" after 30 years.

Note that the contaminants are present only in the uppermost sand layer. The non-biodegradable diesel ligand reached the bottom of the sand but did not penetrate the clay. The clay layer beneath the sands will slow or halt any further contaminant migration. Because SESOIL does not allow for the collection of contaminants at the interface between the sand and clay layer, a warning is printed at the top of each printout. This warning is not relevant to the outcome of the simulation because the contaminants did not enter the second layer.

The results of the SESOILS Modeling indicate that the remaining petroleum hydrocarbons in the biodegradation cell will not impact the groundwater beneath the site. Other factors that may influence the site are oil and grease identified in the biodegradation cell. However, at the low concentrations identified (between 90 mg/kg and 190 mg/kg) the high adsorption capacity for oil and grease on soil will not allow significant mobilization beyond the biodegradation cell. Note that oil and grease analysis results in a quantitation that includes gasoline and diesel petroleum hydrocarbons.

Conclusions

The conclusions stated below are the result of the modeling projected for a 30 year time period for the petroleum hydrocarbon components gasoline, ethylbenzene, toluene, and xylenes.

- The maximum depth of migration of gasoline is 1.81 meters with a maximum concentration below the PQL of the analytical method for gasoline analysis.
- The maximum depth of migration of toluene is 2.35 meters with a calculated maximum concentration below the PQL of the analytical method for toluene analysis.
- The maximum depth of migration of ethylbenzene is 0.83 meters with a calculated maximum concentration below the PQL of the analytical method for ethylbenzene analysis.
- The maximum depth of migration of xylenes is 1.09 meters with a calculated maximum concentration below the PQL of the analytical methods for the xylenes analysis.
- There is a very low likelihood that the petroleum hydrocarbon components discussed above will impact the groundwater beneath the site.

Should you have any questions or concerns regarding the information presented in this report please do not hesitate to contact our modeler, Mr. Lawrence J. Kleinecke in our Sacramento office, at, (916) 962-1612.

Sincerely,
Versar, Inc.

Robert White
Program Manager

RWW/bmk

Attachments

Versar INC.

ATTACHMENT A

Figures

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: 6-93-5077; Alameda County GSA	Date Sampled: 07/28/93
		Date Received: 07/28/93
	Client Contact: Bart Miller	Date Extracted: 07/30/93
	Client P.O: Alameda County 6-93-5036	Date Analyzed: 08/01-08/03/93

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylben-zene	Xylenes	% Rec. Surrogate
31492	SP-29	S	ND	ND	ND	ND	ND	92
31493	SP-30	S	4.1,d	ND	0.015	0.008	0.038	89
31494	SP-31	S	ND	ND	ND	ND	ND	94
31495	SP-32	S	7.8,b	ND	0.007	0.007	0.031	90
31496	SP-33	S	1.6,g	ND	ND	ND	ND	90
31497	SP-34	S	2.2,b	ND	ND	ND	ND	91
31498	SP-35	S	ND	ND	ND	ND	ND	91
31499	SP-36	S	1.7,d	ND	0.006	0.006	0.024	89
31500	SP-37	S	2.1,b	ND	ND	ND	ND	90
31501	SP-38	S	ND	ND	ND	ND	ND	95
31502	SP-39	S	ND	ND	ND	ND	ND	90
31503	SP-40	S	5.7,b	ND	ND	ND	ND	90
31504	SP-41	S	ND	ND	ND	ND	ND	90
31505	SP-42	S	ND	ND	ND	ND	ND	88
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant, no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present, g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

Versar INC.

ATTACHMENT B

Output Data

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

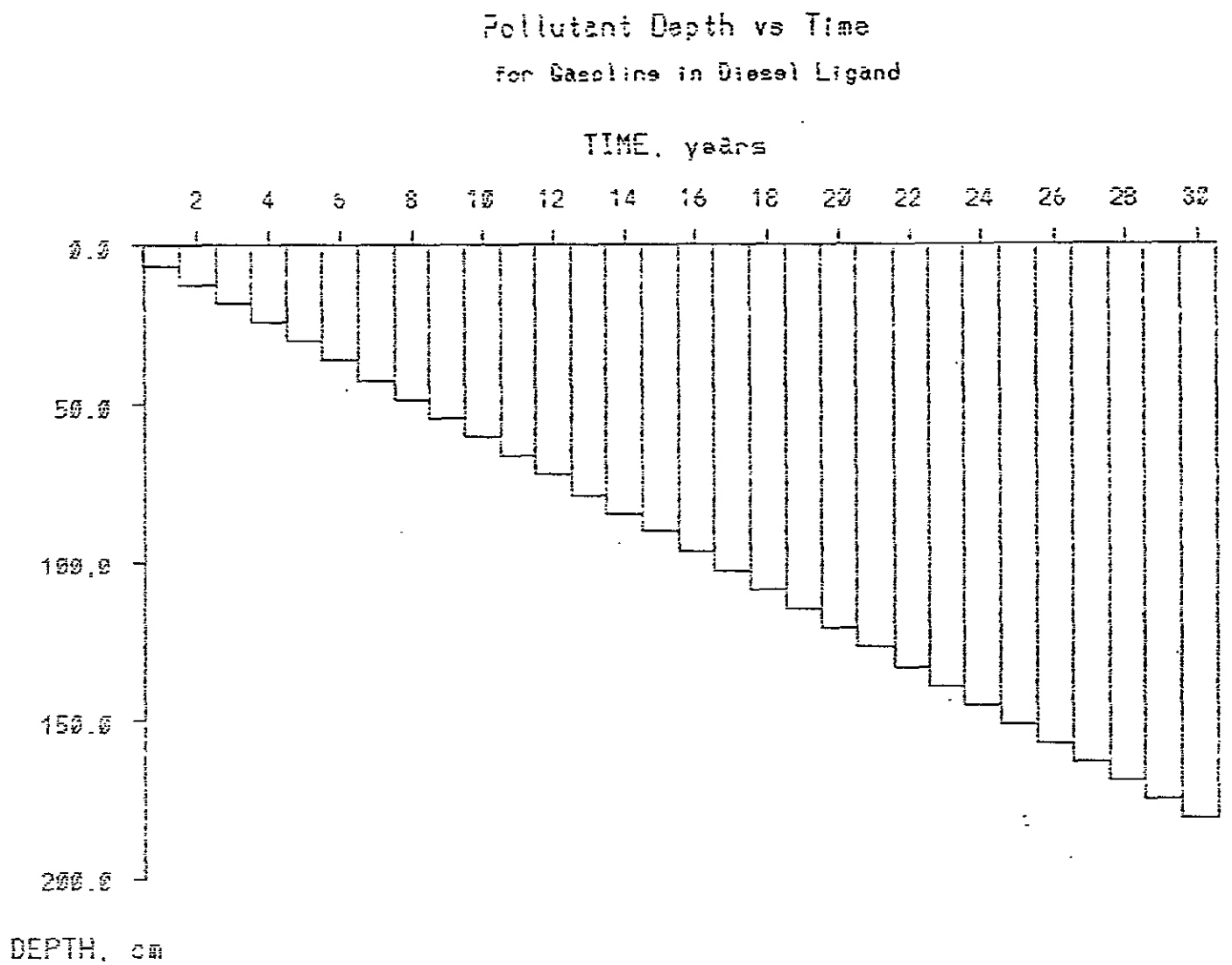

Figure 1a

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

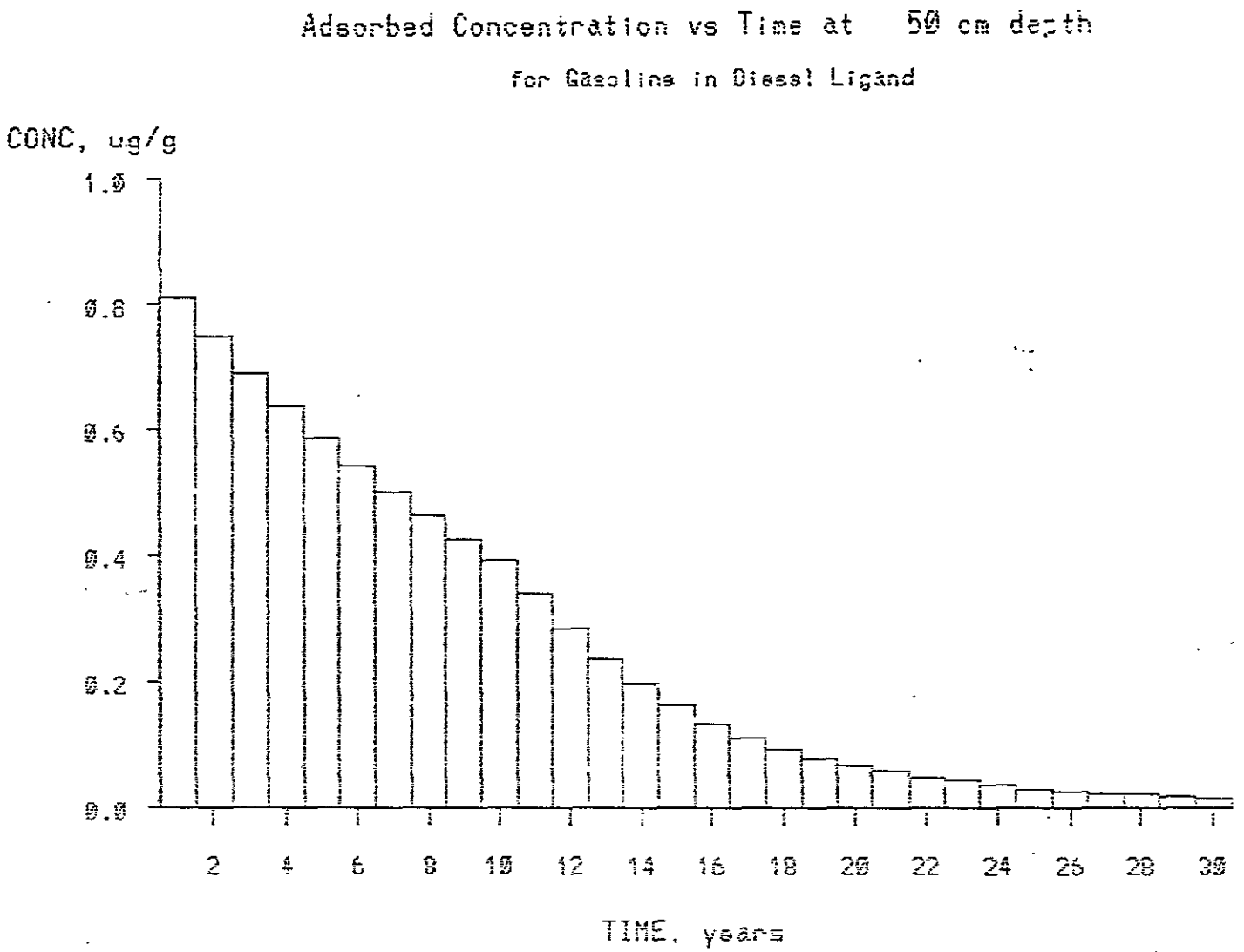

Figure 1b

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

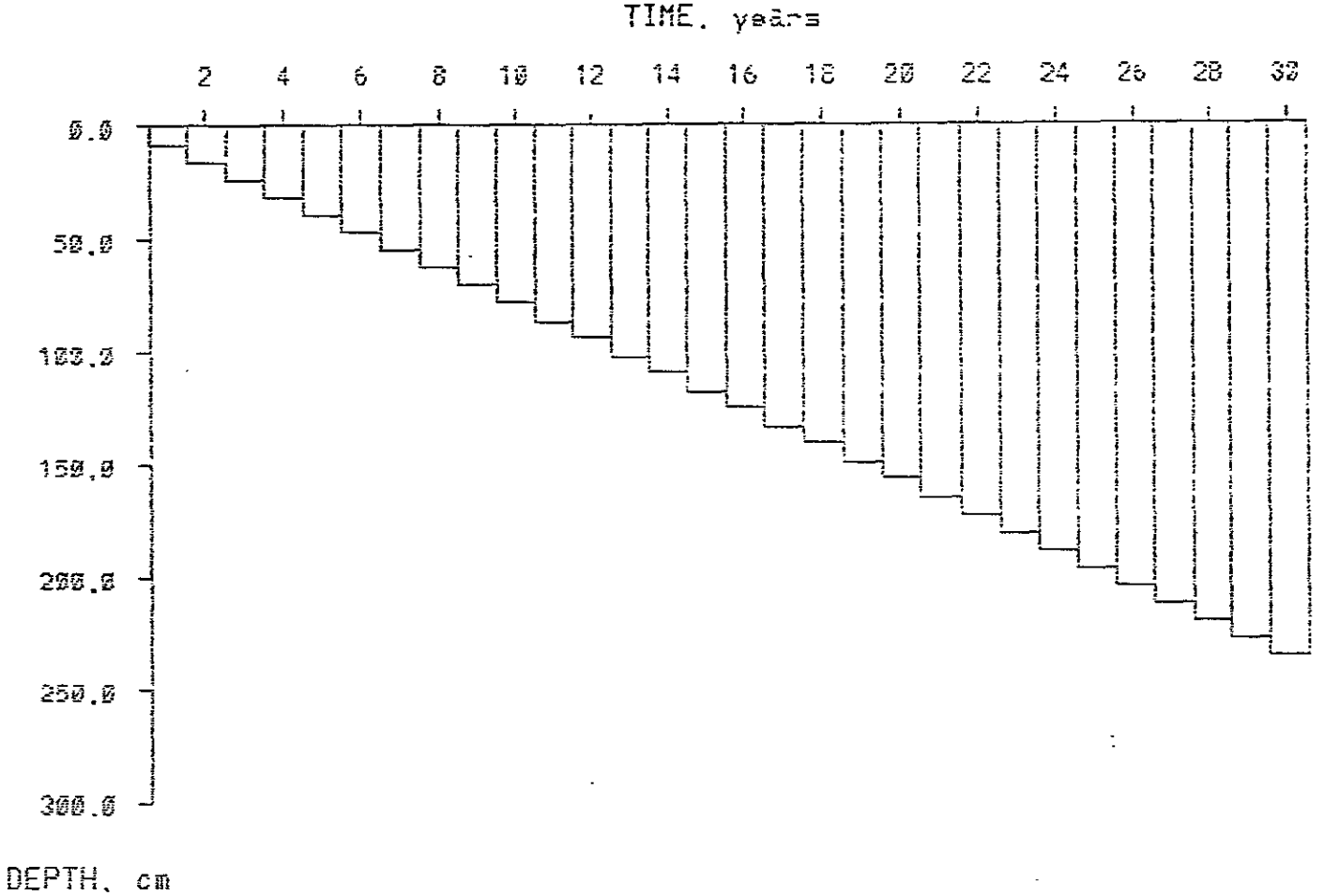

Figure 2a

SANTA RITA
UST's 11, 12, 12a
December 1993

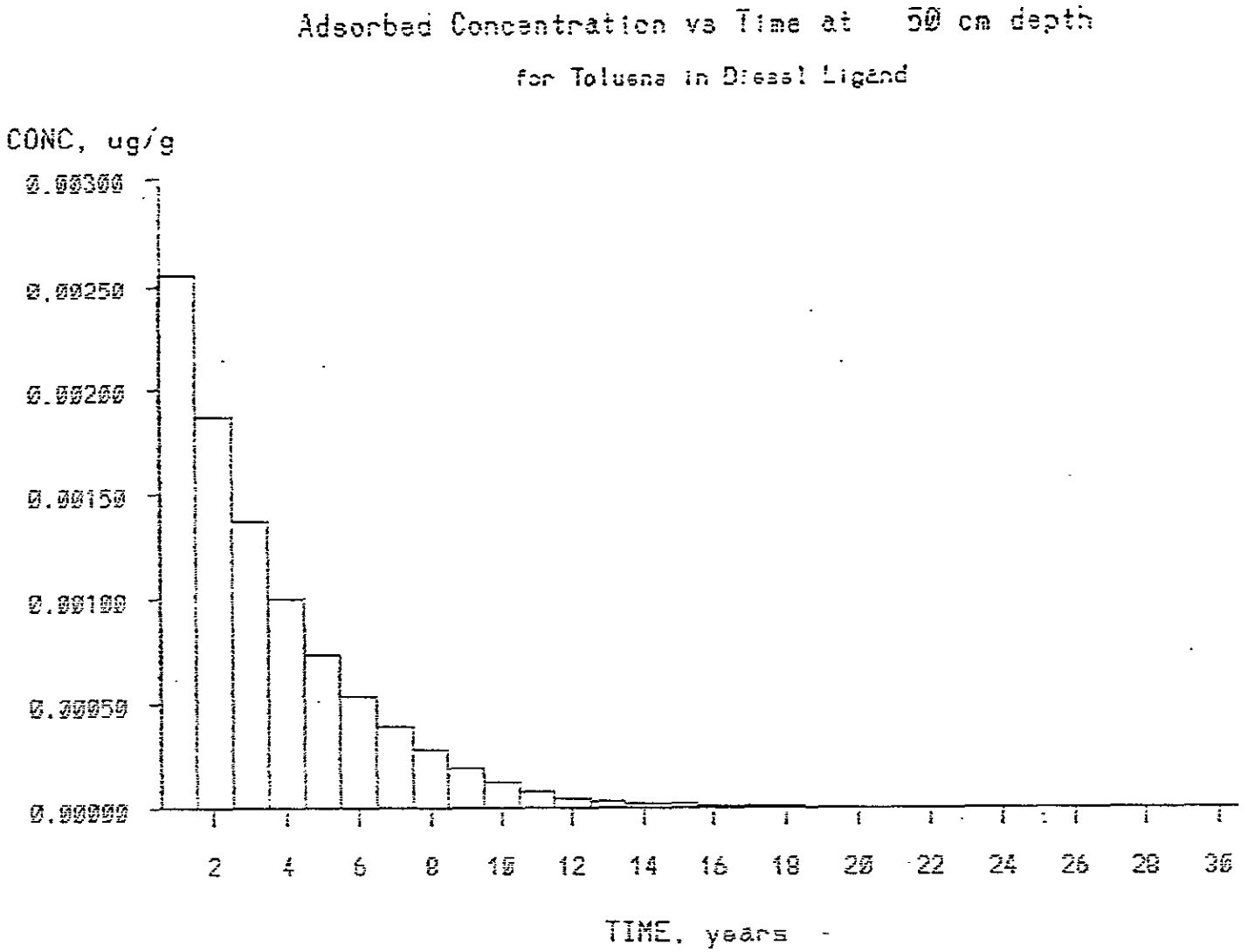

Figure 2b

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

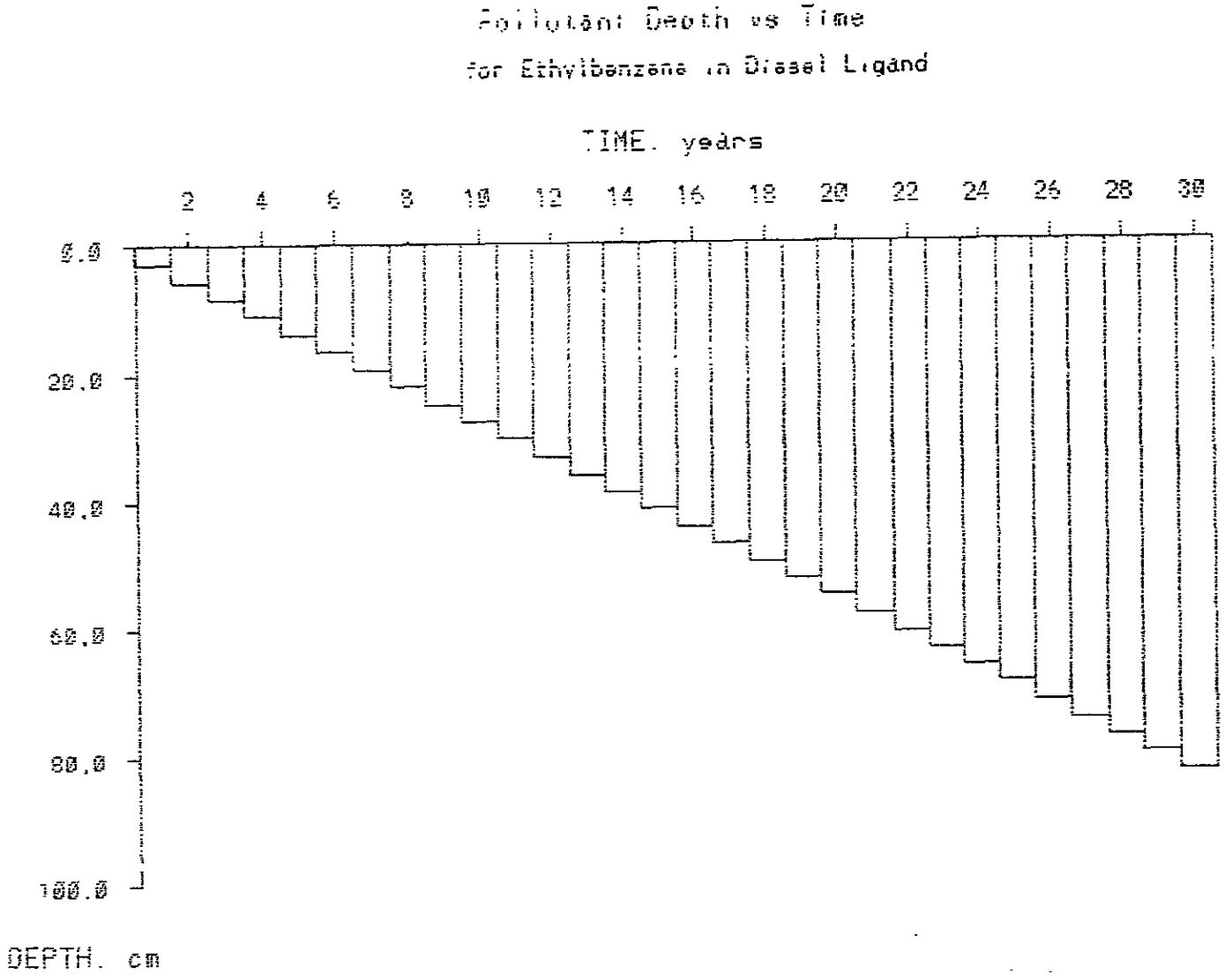

Figure 3a

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

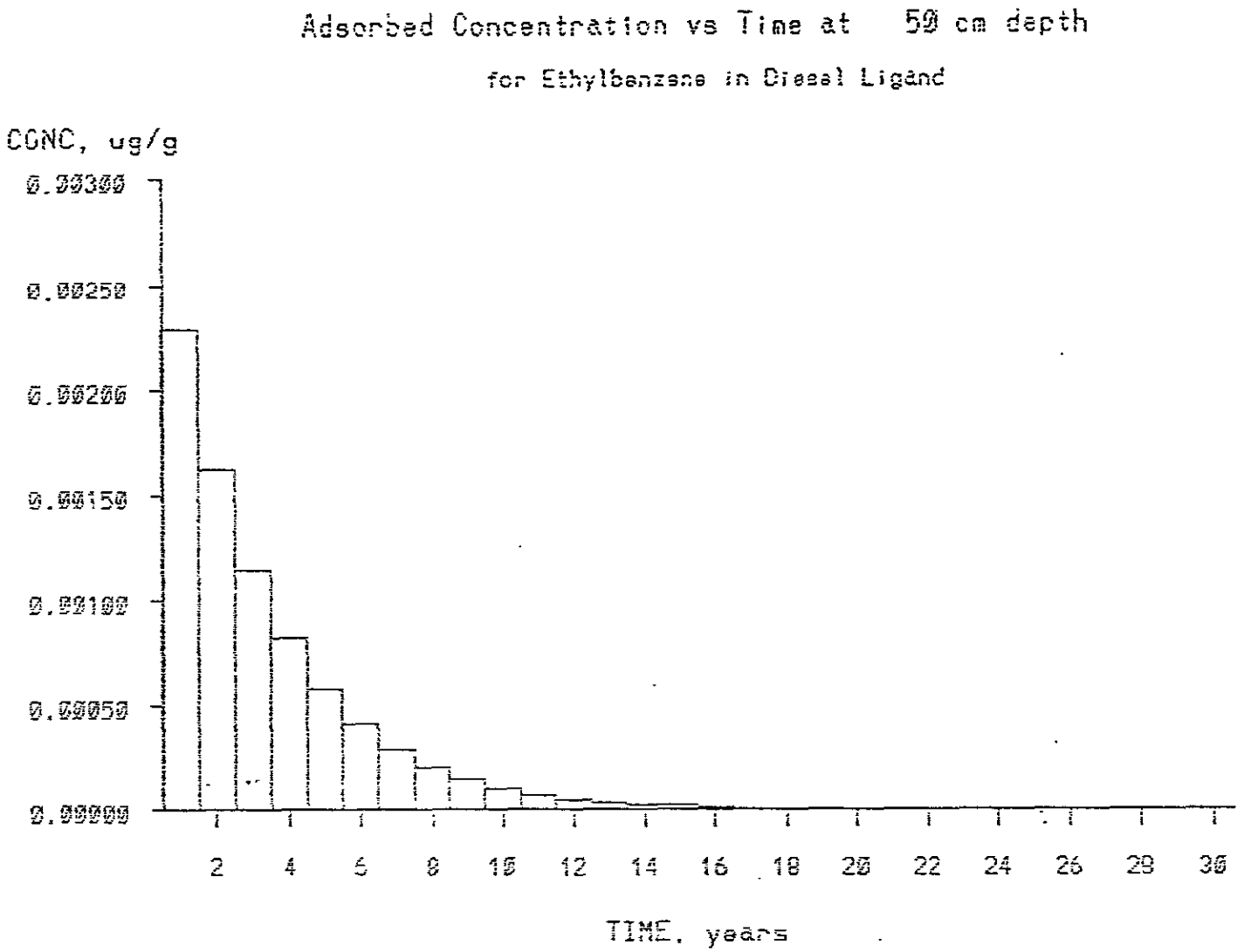

Figure 3b

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

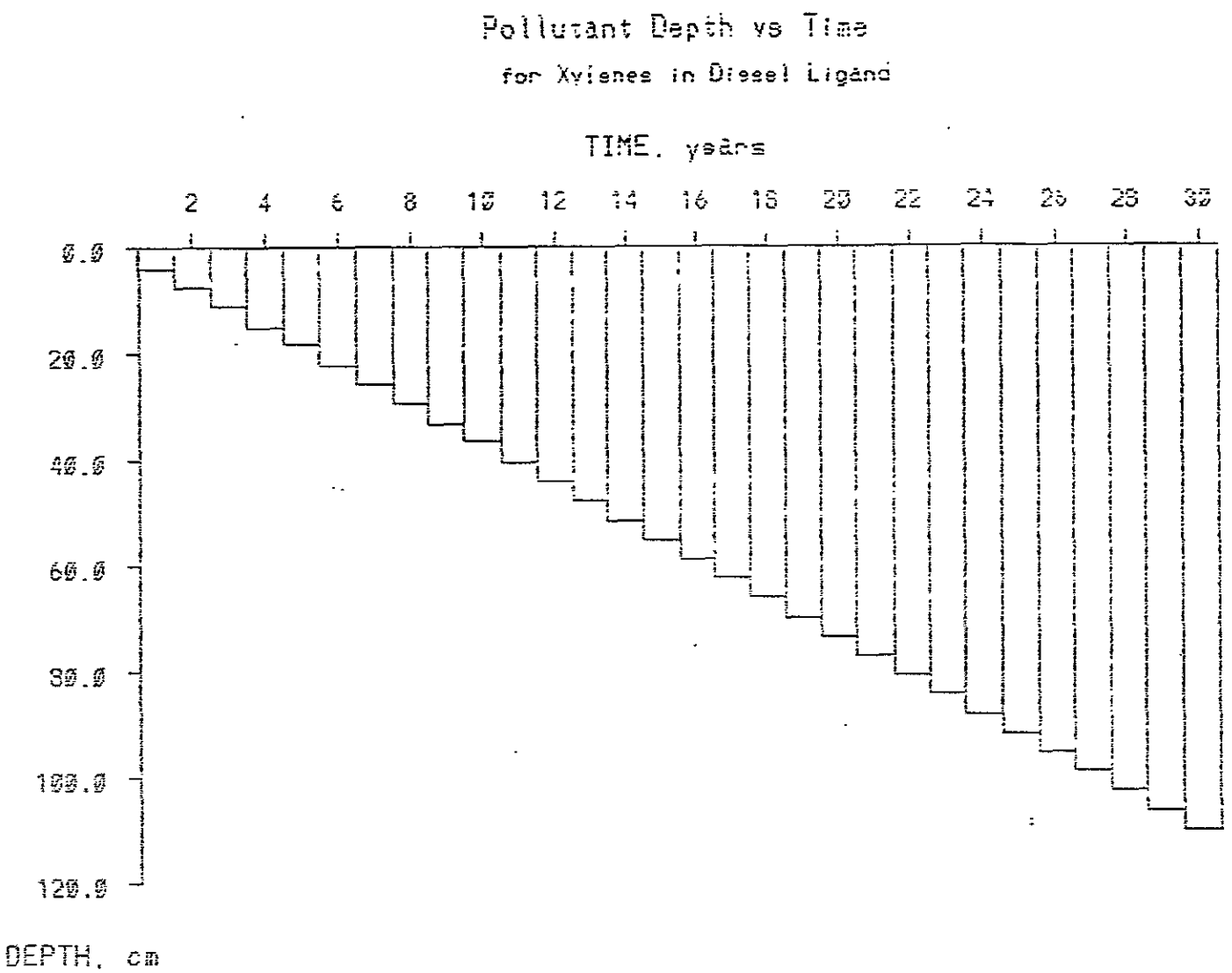

Figure 4a

Versar INC.

SANTA RITA
UST's 11, 12, 12a
December 1993

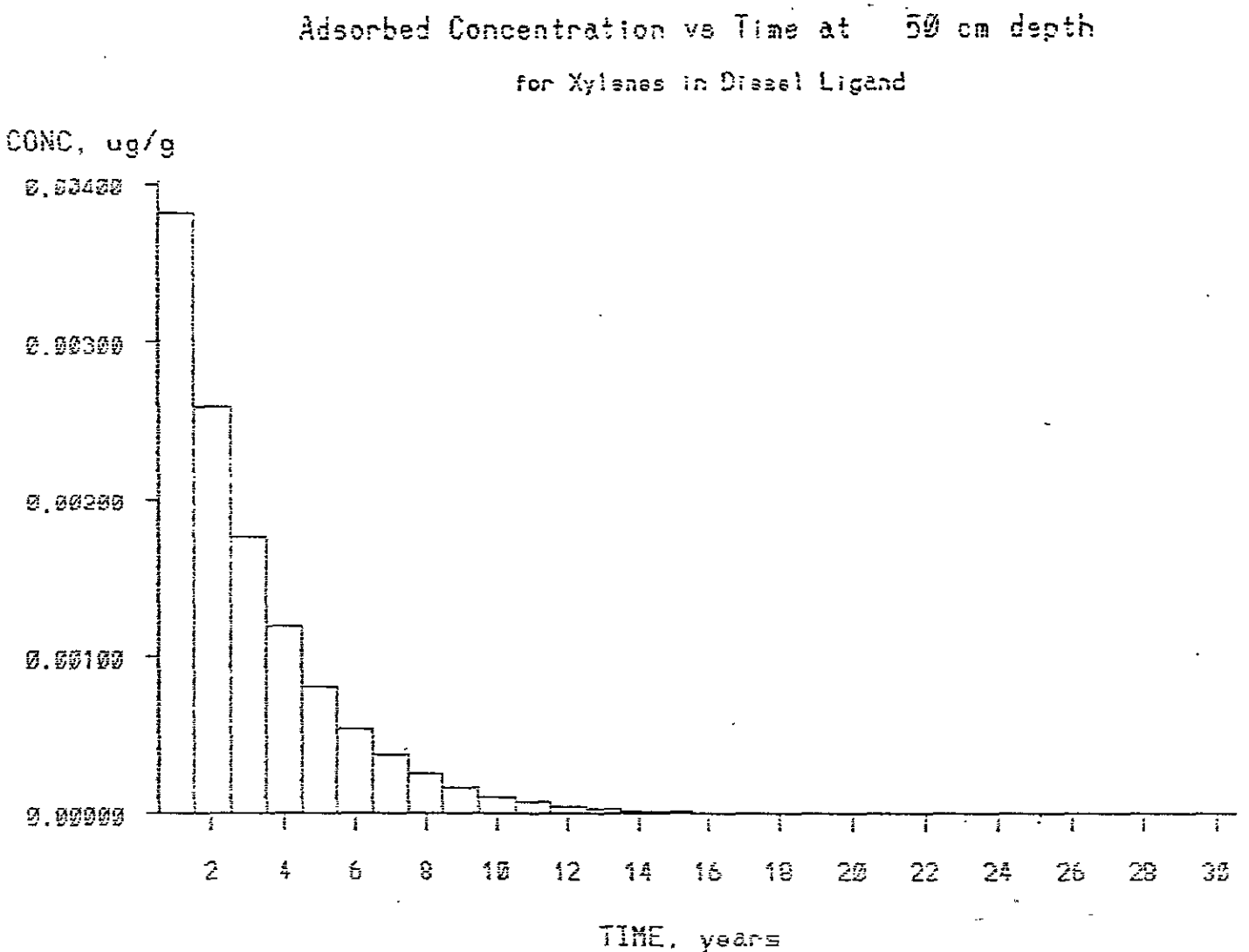

Figure 4b

Versar INC.

ATTACHMENT C

OUTPUT DATA

Versar INC.

GASOLINE

```
                    PRZM
                    VERSION EXTENSIVELY MY:
                    R.M. METRICK
                    OAK RIDGE NATIONAL LABORATORY
                    (615) 573 7550
                    VERSION    : SEPTEMBER 1990


                                    ****** MONTHLY SOIL LOSS OPERATION ******
                                    *** METRIC SOIL SPECIFIC EMISSION ***

REGION                :       CARLANA WEST AT
SCENARIO              :       CARROTS IN DIESEL
METEOROL DATA         :       CARLANA
APPLICATION AREA:             DEFAULT APPLIC DATA

WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS.
RESULTS MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN
WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS.
RESULTS MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

      GENERAL INPUT PARAMETERS

      -- SOIL INPUT PARAMETERS --
SOIL DENSITY (G/CM**3):                                          1.35
INTRINSIC PERMEABILITY (CM**2):                                  1.30E-08
POROSITY (FRACTION) INDEX (-):                                   .420
ORGANIC CARBON CONTENT (%):                                      1.000
CATION EXCHANGE CAPACITY (MILLI EQ./100G DRY SOIL):              10.000
FREUNDLICH EXPONENT (-):                                         1.000

      -- CHEMICAL INPUT PARAMETERS --
SOLUBILITY (UG/ML):                                              40.000
VOLATILIZATION COEFFICIENT IN AIR (CM**2/SEC):                   7.20E-02
HENRYS LAW CONSTANT (ATM*M**3/MOLE)*ORGANIC CARBON(KOC):         1.00E-05
ACID-BASE HYDROLYSIS CONSTANT (K):                               0.000
MOLECULAR WEIGHT (G/MOL):                                        100.000
NEUTRAL HYDROLYSIS CONSTANT (/DAY):                              0.000
WATER SOLUBILITY CONSTANT (-/MOLE/L):                            0.000
BIODEGRADATION RATE ON MICROBES (/DAY):                          1.40E-01
VOLATILIZATION RATE CONSTANT (-):                                1.000
FOLIAR DEGRADATION RATE CONSTANT (-):                            1.000
ELGAND MOLECULAR WEIGHT (G/MOL):                                 1.000

      -- APPLICATION INPUT PARAMETERS --
NUMBER OF SOIL LAYERS:                                           4
AREA TO BE SIMULATED:                                            1.00E-02
APPLICATION AREA LATITUDE (DEG.):                                0.000
PERCENT CROP AREA APPLICATION (%):                               100.0
NUMBER OF SOIL LAYERS/LAYER                                      1          2
THICKNESS (CM):                                                  7.0        5.0
INITIAL WATER CONTENTS (CM**2):                                  1.13E-01   1.61E-01
SATURATED WATER CONTENTS (CM**3/CM**3):                          .420       .420
FIELD CAPACITY (-):                                              .300       .300
WILTING POINT (-):                                               .150       .150
BULK DENSITIES (G/CM**3):                                        1.35       1.35
ORGANIC CARBON CONTENTS (%):                                     1.000      .500
```

[redacted]

-- CLIMATIC INPUT PARAMETERS --

[redacted]

-- POLLUTANT INPUT PARAMETERS --

[redacted]

YEAR = 2 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

[redacted]

YEAR - 3 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 4 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 5 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 6 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 7 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 8 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 9 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR -10 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR -11 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

[illegible]

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 18 MONTHLY_INPUT_PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 19 MONTHLY_INPUT_PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 20 MONTHLY_INPUT_PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 21 MONTHLY_INPUT_PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 22 MONTHLY_INPUT_PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 23 MONTHLY_INPUT_PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 24 MONTHLY_INPUT_PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 25 MONTHLY_INPUT_PARAMETERS

- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 26 MONTHLY_INPUT_PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 27 MONTHLY_INPUT_PARAMETERS

- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 28 MONTHLY_INPUT_PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 29 MONTHLY_INPUT_PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR 30 MONTHLY_INPUT_PARAMETERS

[illegible]

[illegible]

UPPER SOIL ZONE:
SUBLAYER 1
[illegible]
SUBLAYER 2
[illegible]
SUBLAYER 3
[illegible]
SUBLAYER 4
[illegible]
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

[illegible]

TOTAL INPUTS (UG) --

[illegible]

HYDROLOGIC CYCLE COMPONENTS

[illegible]

[illegible]

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

AVERAGE POLLUTANT CONCENTRATIONS [illegible] ONLY [illegible]
ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE [illegible] [illegible]
ADSORBED [illegible] [illegible]
FREE LIGAND (UG/ML) [illegible]

SUBLAYER 2

FREE LIGAND (UG/ML) [illegible]

SUBLAYER 3

FREE LIGAND (UG/ML) [illegible]

SUBLAYER 4

FREE LIGAND (UG/ML) [illegible]

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) [illegible]

1

YEAR - 2 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR
	MAY	JUN	JUL	AUG	SEP		
MOIS. IN L1 (%)	7.605	9.669	12.[illegible]	13.148	11.709	10.245	8.[illegible]
MOIS. BELOW [illegible]	7.[illegible]	[illegible]	12.[illegible]	13.149	11.700	10.245	[illegible]

[redacted]

UPPER SOIL ZONE:
SUBLAYER 1
[redacted] 0.000E+00 0.000E+00 0.000E+00 0.000E+00
[redacted] 1.222E+07 2.520E+06 2.672E+07
[redacted] 8.852E+07 8.187E+07 8.705E+08
[redacted] 2.105E-08 2.100E+00 2.000E+00
[redacted] 1.855E+00 1.844E+00 1.872E+00
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SILL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

[redacted]

[redacted]

TOTAL INPUTS (UG) --

UPPER SOIL ZONE [illegible]

INTERMEDIATE SOIL COMPONENTS

AVERAGE SOIL MOISTURE [illegible]

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)

[illegible]

TOTAL EVAPOTRANSPIRATION (CM)

TOTAL PERCOLATION (CM)

TOTAL SUBSURFACE RETENTION (CM)

TOTAL YIELD (EFFLUENT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible] ADS[illegible]ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
D PORE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH DEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED (MOISTURE) 9.445E-07

TOTAL DEGRADED (MOISTURE) 1.918E-05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

[illegible] AVERAGE EQUILIBRIUM CONCENTRATIONS [illegible] NOTE: SOIL MO

[illegible] VALUES ARE PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

[illegible]

MAX. POLL. DEPTH (M) [illegible]

YEAR - 9 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL / OCT	AUG / NOV	SEP / DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.148	11.709	10.245	8.9
MOIS. BELOW L1 (%)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.011	7.148	6.128	3.6
NET INF. (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.135	7.097	6.101	3.6
EVAPOTRANS. (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.139	4.277	5.468	3.8
MOIS. RETEN (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.600	-0.992	-0.948	-0.8
SUR. RUNOFF (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.440	0.752	1.580	0.5
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
RAU/MPA (GZU)	[illegible]	1.059	0.999	0.996	0.997	0.995	1.010	1.008	0.9
RA/MPA (GZ)	1.056	1.059	[illegible]	[illegible]	0.997	0.995	1.010	1.008	0.9

- POLLUTANT MASS INPUT TO COLUMN (UG)

	MAY	JUN / OCT	JUL / NOV	AUG / DEC	SEP / JAN	FEB	MAR	APR
PRECIP.	0.000E+00	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] E-07	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 03	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUBLAYER 1

SUBLAYER 2

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/L) OR (UG/G) NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	1.426E-01	1.415E-01	1.403E-01	1.393E-01	1.388E-01	1.385E-01	1.382E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.772E+01	2.987E+01	2.840E+01	2.482E+01	2.453E-01	2.300E-01	2.197E+
01	3.725E+01	3.973E+01	4.187E+01	4.384E+01	4.388E+01		

SUBLAYER 2

FREE LIGAND	3.772E+01	2.987E+01	2.840E+01	2.482E+01	2.453E-01	2.300E-01	2.197E+
01	3.725E+01	3.973E+01	4.187E+01	4.384E+01	4.388E+01		

SUBLAYER 3

FREE LIGAND	3.772E+01	2.987E+01	2.840E+01	2.482E+01	2.453E-01	2.300E-01	2.197E+
01	3.725E+01	3.973E+01	4.187E+01	4.384E+01	4.388E+01		

SUBLAYER 4

FREE LIGAND	3.772E+01	2.987E+01	2.840E+01	2.482E+01	2.453E-01	2.300E+01	2.197E-
01	3.725E+01	3.973E+01	4.187E+01	4.384E+01	4.388E+01		

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POLDED_SM	1.288E+01	1.211E-01	1.426E-01	1.664E-01	1.656E-01	1.788E-01	1.784E-
01	1.780E+01	1.788E+01	1.800E+01	1.802E+01	1.802E+01		

YEAR 1 ANNUAL SUMMARY REPORT

TOTAL INPUTS (UG)

[illegible]

MICROBIOLOGICAL CELL COMPONENTS

[illegible]

[illegible]

SUBLAYER 1

[illegible]

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

*ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

[illegible]

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.333E-01
ADSORBED SO[illegible] (UG/G) 8.[illegible]E-[illegible]
SOIL AIR [illegible]G/M**3) [illegible]
FREE LIGAND (UG/ML) 3.880E-01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.880E-01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.880E-01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.880E-01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.905E-01

[illegible]

[illegible]

[illegible]

POLLUTANT MASS INPUT TO COLUMN ([illegible]

	MAY	OCT / JUN	NOV / JUL	DEC / AUG	JAN / SEP	FEB	MAR	APR
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.000E	[illegible]	0.000E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E 00	0.000E 00	0.000E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E 00	0.000E 00	0.000E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	[illegible]	0.000E+00	[illegible]	[illegible]	[illegible]	0.000E 00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	OCT / MAY	NOV / JUN	DEC / JUL	JAN / AUG	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRADED	[illegible]	[illegible]	[illegible]	[illegible]	9.363E+06	8.169E+06	7.187E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.113E+07	2.717E+07	2.374E+
ADS ON SOIL	1.843E+09	[illegible]	[illegible]	[illegible]	1.795E+09	1.790E+09	1.786E+
IN SOIL-AIR	[illegible]	[illegible]	[illegible]	[illegible]	1.411E+06	1.572E+06	1.685E+

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

LOWER SOIL ZONE:

YEARLY ANNUAL SECONDARY REPORT

TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 0.041
AVERAGE SOIL MOISTURE ZONE 2 (%) 0.041
TOTAL EVAPOTRANSPIRATION (CM) 0.000
TOTAL EVAPOTRANSPIRATION (CM) 0.000
TOTAL DEEP PERCOLATION (CM) 0.000
TOTAL RUNOFF (CM) 0.000
TOTAL IRRIGATION (CM) 0.000
TOTAL YIELD (CM) 0.000

-- SOLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

TOTAL MASS IN SOIL = AIR ION SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
PORE WATER SOIL EACH SUBLAYER, SEE ABOVE (MOIST SEE)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 8.423E-07
TOTAL DEGRADED (MOISTURE) 8.668E-07
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3

[illegible]

UPPER SOIL ZONE:
SUBLAYER 1

[illegible]
FREE LIGAND (UG/ML) [illegible]

SUBLAYER 2 — FREE LIGAND (UG/ML) 0.000E-01

SUBLAYER 3 — FREE LIGAND (UG/ML) [illegible]

SUBLAYER 4 — FREE LIGAND (UG/ML) [illegible]

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. FROST DEPTH (M) [illegible]

1

YEAR 5 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.005	9.652	12.210	10.149	11.709	10.245	[illegible]
MOIS. ... L1 (%)	[illegible]	[illegible]	[illegible]	10.140	11.709	10.245	[illegible]
PRECIPITATION (CM)	[illegible]	[illegible]	[illegible]	10.011	7.140	6.129	[illegible]
... (CM)	[illegible]	[illegible]	[illegible]	10.185	7.097	6.101	[illegible]
EVAPOTRANS. (CM)	[illegible]	[illegible]	[illegible]	2.139	4.277	5.469	[illegible]
MOIS. ... (CM)	[illegible]	[illegible]	[illegible]	0.806	0.932	-0.948	[illegible]
... RUNOFF (CM)	[illegible]	[illegible]	[illegible]	0.126	0.051	0.026	[illegible]
... (CM)	[illegible]	[illegible]	[illegible]	7.440	3.752	1.580	[illegible]
YIELD (CM)	[illegible]	[illegible]	[illegible]	7.565	0.809	1.607	[illegible]
RAU/MDA (SZC)	[illegible]	[illegible]	[illegible]	[illegible]	1.010	1.008	[illegible]
A/MPA (%)	[illegible]	[illegible]	[illegible]	0.995	1.010	1.008	[illegible]

	MAY	JUN	JUL	AUG	SEP
[illegible]	[illegible]	1.059	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.050	[illegible]	[illegible]	[illegible]

POLLUTANT MASS INPUT TO COLUMN (UG)

[illegible]

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

** POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED **

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.215E-01	1.220E-01	1.195E-01	1.155E-01	1.103E-01	1.130E-01
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.784E-01	2.777E-01
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.910E-01	5.891E-01
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.110E-03	5.090E-03
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E-01	2.800E-01

SUBLAYER 2

FREE LIGAND	2.772E+01	2.987E+01	2.848E+01	2.132E+01	2.450E-01	2.800E-01

SUBLAYER 3

FREE LIGAND	8.448E+01	9.087E+01	8.669E+01	6.495E+01	2.450E-01	2.800E-01

SUBLAYER 4

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible]	8.441E-01	9.518E-01	8.085E-01	2.782E-01	2.624E-01	2.810E-01

[illegible]

[illegible] (POLLUTANT MASS DISTRIBUTION IN SOLUTION (%), NOTE: IF NO[illegible]
[illegible] LINE EACH MONTH, IT IS NOT PRINTED

[illegible] MASS IN EACH SOIL ADSORPTION SOIL, SOIL AIR, IMMOBILE GEL, COMPLEXED, A[illegible]
[illegible] PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH 12)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 8.066E-07
TOTAL DEGRADED (MOISTURE) 7.986E-07
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

[illegible] -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO[illegible]
[illegible] VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 1.178E-01
ADSORBED SOIL PHASE (UG/G) 5.288E-01
FREE LIGAND (UG/ML) 3.360E-01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.360E-01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E-01
SUBLAYER 4
[illegible]
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	
MOIS. IN 11 (%)			7.605	9.669	12.213	13.149	11.709	10.245	
MOIS. IN ZONE 1 (CM)		7.221	6.885	9.573	12.578	13.149	11.709	10.245	
PRECIP. ON ZONE 1 (CM)		7.221	6.885	9.573	12.578	10.311	7.119	6.189	
INFIL. ON ZONE 1 (CM)		7.223	6.650	5.684	8.156	10.105	7.097	6.101	
EVAPOTRANS. (CM)		2.298	1.915	3.271	1.772	2.139	4.277	5.469	
MOIS. DRAIN (CM)		4.634	4.741	6.463	10.722	0.600	-0.932	-0.948	
PERC. ACROSS (CM)		0.211	0.138	0.337	0.916	0.126	0.051	0.008	
PERC. ACROSS (CM)		0.030	0.052	0.079	0.275	7.440	3.752	1.500	
RUNOFF (CM)		0.025	0.087	0.137	0.141	7.565	3.803	1.607	
FIELD CAP.	0.089	0.005	-0.074	-0.126	-0.108				
PAW/MPA (GZU)			0.998	0.996	0.997	0.995	1.010	1.008	
PA/MPA (GZ)	1.059		1.087	1.123	0.997	0.995	1.010	1.008	
	1.006	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 1		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD. IN	9.285E+06	8.712E+06	2.355E+07	3.207E+07	3.958E+07	7.977E+06	6.959E+06	6.080E+
5.207E+06	4.869E+06	4.530E+06	3.773E+06	2.796E+07	2.986E+07	2.652E+07	2.315E+07	2.022E+
IN SOIL NO1	1.768E+07	2.233E+07	2.795E+07	2.986E+07	2.652E+07	2.315E+07	2.022E+
1.773E+07	1.768E+07	2.233E+07	2.795E+07	2.986E+07	2.652E+07	2.315E+07	2.022E+
ADS ON SO	1.570E+09	1.559E+09	1.545E+09	1.522E+09	1.529E+09	1.525E+09	1.521E+
1.519E+09	1.515E+09	1.511E+09	1.501E+09	1.487E+09	1.490E+09	1.202E+06	1.339E+06	1.435E+
1.542E+06	1.571E+06	1.580E+06	1.580E+06	1.554E+06				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

LAYER

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.121E-01	1.113E-01	1.103E-01	1.096E-01	1.092E-01	1.089E-01	1.087E-
0 0.085E-0	1.082E-01	1.079E-01	1.060E-01	1.040E-01			
SOLUBILITY	2.539E-01	2.520E-01	2.596E-01	2.578E-01	2.570E-01	2.563E-01	2.557E-
0 8.584E-01	5.545E-01	5.537E-01	5.493E-01	5.447E-01			
ADSORBED	5.507E-01	5.497E-01	5.517E-01	5.478E-01	5.461E-01	5.446E-01	5.434E-
0 5.410E-01	5.402E-01	5.396E-01	5.299E-01	5.204E-01			
VOLATILE	4.563E-03	4.552E-03	4.372E-03	4.196E-03	4.717E-03	4.694E-03	4.674E-
0 4.563E-03	4.552E-03	4.552E-03	4.372E-03	4.196E-03			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

SOL DEP CM	3.046E+01	3.119E+01	3.230E+01	3.371E+01	3.467E+01	3.546E+01	3.591E+
01 3.603E+01	3.607E+01	3.608E+01	3.608E+01	3.516E+01			

YEAR 5 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.000
TOTAL PRECIPITATION (CM)	0.000
TOTAL INFILTRATION (CM)	0.000
TOTAL EVAPOTRANSPIRATION (CM)	0.000
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL NET RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	0.000

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PORE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	0.000E+00
TOTAL DEGRADED (MOISTURE)	0.000E+00

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.087E-01
ADSORBED SOIL (UG/G)	5.437E-01
SOIL AIR (UG/ML)	4.594E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 3.616E-01

YEAR = 7 - MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	7.772	2.777	5.738	8.234	10.311	7.148	6.128	3.6
SNOW MELT (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
RAIN (CM)	7.772	2.777	5.738	8.234	10.185	7.097	6.101	3.6
EVAPOTRANSP. (CM)	2.390	1.017	0.211	0.211	0.126	2.139	4.277	5.428	3.9
RUNOFF (CM)	1.634	0.647	1.003	1.003	0.647	0.606	0.932	-0.948	0.9
PERC. BELOW (CM)	3.811	0.778	0.000	0.000	0.000	0.000	0.000	0.000	0.0
LATER. SUBSURF (CM)	0.000	0.113	0.049	0.076	0.126	0.051	0.026	0.0
PERM. SUBSURF (CM)	0.000	0.000	1.013	1.079	7.440	3.752	1.540	0.1
[illegible]	1.025	0.000	1.037	1.076	7.565	3.302	1.607	0.0
[illegible]	0.583	0.305	0.074	0.130	0.105			
SOIL WATER (CM)			0.999	0.996	0.997	0.995	1.019	1.000	0.9
[illegible]	1.05								
[illegible]	1.053								

[illegible]

TOTAL INPUT 0.000E+00 [illegible] 0.000E+00 0.000E+00

-- POLLUTANT DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+[illegible]

[illegible] 7.050E+06 8.410E+06 5.698E+[illegible]

[illegible] 2.447E+07 2.105E+07 1.865E+[illegible]

[illegible] 1.410E+09 1.407E+09 1.403E+[illegible]

[illegible] 1.109E+08 1.235E+08 1.326E+[illegible]

[illegible] 1.428E+08 1.449E+08 [illegible]

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.035E-01 1.027E-01 1.018E-01 1.011E-01 1.007E-01 1.005E-01 1.002E-[illegible]

[illegible] 2.370E-01 2.354E-01 2.350E-[illegible]

ADSORBED 5.175E-01 5.137E-01 5.089E-01 5.054E-01 5.037E-01 5.024E-01 5.012E-[illegible]

SOIL AIR [illegible] 4.351E-03 4.330E-03 4.247E-[illegible]

[illegible] 2.450E+01 2.800E+01 3.197E-[illegible]

[illegible] 3.973E-01 4.167E+01 4.364E-01 4.285E-01

SUBLAYER 2

[illegible] 2.450E-01 2.800E-01 3.197E-[illegible]

SUBLAYER 4

[illegible]

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible]

YEAR 7 ANNUAL REPORT

--- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.41
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.41
TOTAL PRECIPITATION (CM)	0.00
TOTAL INFILTRATION (CM)	0.00
TOTAL EVAPOTRANSPIRATION (CM)	0.00
TOTAL SURFACE RUNOFF (CM)	0.00
TOTAL GW RUNOFF (CM)	0.00
TOTAL MOISTURE RETENTION (CM)	1.50
TOTAL YIELD (CM)	0.00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI , ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED [illegible]

TOTAL DEGRADED (MOISTURE): 6.808E-07

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/CM) 1.03E-01

SUBLAYER

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.219E-01

YEAR - 8 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.606	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)			7.606	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)			2.775	5.728	8.234	10.311	7.148	6.128	3.6			
NET INFIL. (CM)			2.662	5.680	8.156	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)			1.915	3.271	1.722	2.139	4.277	5.469	3.8			
MOIS. RETN (CM)			0.884	1.337	1.647	0.606	-0.932	-0.948	-0.6			
SUR. RUNOFF (CM)			0.218	0.202	0.016	0.126	0.051	0.026	0.0			
LOWER RUNOFF (CM)			0.043	0.041	0.003	7.440	3.752	1.580	0.8			
YIELD			0.264	0.243	0.021	7.565	3.803	1.607	0.8			
PAU/MPA (GZU)			0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PSA/MPA (GZU)			0.998	0.996	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.929E+06	5.181E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.872E+07	1.772E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.209E+08	1.29CE+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.141E+08	1.223E+

SUBLAYER 2

SUBLAYER 4

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UC/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 9.551E-02 9.483E-02 9.399E-02 9.333E-02 9.304E-02 9.281E-02 9.261E-
02 9.246E-02 9.232E-02
%SOLUBILITY 2.127E-01 2.111E-01 2.094E-01 2.080E-01 2.073E-01 2.067E-01 2.062E-
01 2.059E-01 2.056E-01
ADSORBED 1.770E-01 1.758E-01 1.744E-01 1.733E-01 1.727E-01 1.722E-01 1.717E-
01 1.714E-01 1.712E-01
C1 4.611E-01 4.600E-03 4.587E-03 4.577E-03 4.572E-03 4.568E-03 4.565E-03
4.563E-03 4.561E-03
SOIL WATER 4.005E-03 3.987E-03 3.965E-03 3.948E-03 3.939E-03 3.932E-03 3.924E-
03 3.919E-03 3.915E-03
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

SOL DSP CM 4.252E+01 4.324E+01 4.435E+01 4.577E+01 4.672E+01 4.751E+01 4.796E+
01 4.805E+01 4.812E+01 4.813E+01 4.814E+01 4.812E+01

YEAR 8 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UC) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)
[illegible] PRECIPITATION (CM)
[illegible] SURFACE RUNOFF (CM)
[illegible] EVAPOTRANSPIRATION (CM)
[illegible] PERCOLATION (CM)

-- MASS EQUIVALENCE EACH DISTRIBUTION OR SORPTION (UG) -- NOTE: IF COMPOUNT

UPPER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML) 9.265E-02
ADSORBED SOIL (UG/G) 3.633E-06
SOIL AIR (UG/ML) 3.014E-06
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 4.821E-01

YEAR 9 MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS --

MAY JUN [illegible] NOV DEC JAN FEB MAR AP

```
[illegible]
PERC. ... (CM)   [illegible]
SOIL ... (CM)    [illegible]
... (CM)         [illegible]
... (CM)  0.008  [illegible]   [illegible]   [illegible]   7.[illegible]  [illegible]  1.[illegible]
          0.000  0.001         0.074         0.11[illegible]

EAU/MPA (GZU)           0.998   0.990   0.[illegible]   [illegible]   1.[illegible]   1.[illegible]
SS   .00E  1.059        0.987   0.985   0.977   0.955   1.0[illegible]   1.003
SSA/MPA (NE)
SS   1.000 1.050        1.007   1.[illegible]   0.987

                                   POLLUTANT MASS INPUT TO COLUMN (UG)
---------------------------------------------------------------------------
      MAY          OCT        NOV        DEC        JAN        FEB        MAR        APR
                   JUN        JUL        AUG        SEP
PRECIP       0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD UPPER   0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD ZONE 2  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD ZONE 3  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD LOWER   0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  0.000E+00  0.000E+00

TOTAL INPUT  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  0.000E+00  0.000E+00
            POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
---------------------------------------------------------------------------

    UPPER SOIL ZONE:
          SUBLAYER 1
VOLATILIZED  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
00 0.000E+00 0.000E+00  0.000E+00  1.858E+07  7.581E+07
DEGRAD MOIS  4.184E+06  5.283E+06  5.618E+06  7.076E+06  6.280E+06  5.479E+06  4.788E+06
06 4.101E+06 3.836E+06  3.547E+06  3.446E+06  3.370E+06
IN SOIL-MOI  1.392E+07  1.757E+07  2.200E+07  2.352E+07  2.088E+07  1.823E+07  1.592E+07
07 1.385E+07 1.276E+07  1.224E+07  [illegible]  [illegible]
ADS ON SOIL  1.236E+09  1.227E+09  1.216E+09  1.207E+09  1.204E+09  1.201E+09  1.198E+09
09 1.196E+09 1.193E+09  1.190E+09  1.168E+09  1.147E+09
IN SOIL-AIR  1.238E+06  1.105E+06  9.110E+05  8.412E+05  9.468E+05  1.054E+06  1.130E+06
06 1.215E+06 1.238E+06  1.245E+06  1.245E+06  1.225E+06
          SUBLAYER 2

          SUBLAYER 3

          SUBLAYER 4

    SOIL ZONE 2:
          SUBLAYER 1

          SUBLAYER 2

          SUBLAYER 3

          SUBLAYER 4

          SUBLAYER 5

          SUBLAYER 6

    SOIL ZONE 3:
          SUBLAYER 1

    LOWER SOIL ZONE:
          SUBLAYER 1

          SUBLAYER 2

          POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO EACH MONTH, THEY ARE NOT PRINTED
```

SUBLAYER 1

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E 01 2.800E 01 3.[illegible]
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.550E 01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E 01 2.800E 01 3.[illegible]
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.550E 01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.[illegible]
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.550E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 4.854E+01 4.926E+01 5.037E+01 5.179E+01 5.275E+01 5.353E+01 5.399E+
01 5.411E+01 5.415E+01 5.415E+01 5.417E+01 5.424E+01

YEAR 5 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.04
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	2[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GW RUNOFF (CM)	1[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	8.838E-07
TOTAL DEGRADED (MOISTURE)	8.811E-07

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 5

AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

[illegible] MOISTURE (UG/ML) [illegible]
ADSORBED [illegible] (UG/G) [illegible]
[illegible] AIR (UG/ML) [illegible]
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 5.424E-01

YEAR -10 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	8.659	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.605	9.659	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	2.775	5.729	8.284	10.311	7.148	6.128	3.0
NET INFILT. (CM)	2.663	5.680	8.159	10.185	7.097	6.101	3.0
EVAPOTRANS. (CM)	1.915	3.271	1.717	2.139	4.277	5.468	3.E
MOIST. RETEN (CM)	0.684	1.337	1.647	0.606	-0.932	-0.848	-0.E
SUR. RUNOFF (CM)	0.113	0.049	0.075	0.126	0.051	0.026	0.6
GRW. RUNOFF (CM)	0.064	1.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.177	1.122	4.870	7.565	3.803	1.607	0.6
MPAU/MPA (GZU)	0.998	0.996	0.997	0.995	1.010	1.008	0.9
MPA/MPA (GZ)	0.998	0.996	0.997	0.995	1.010	1.008	0.9

	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.170	7.221	6.885	6.573	6.549
MOIS. BELOW L1 (%)	[illegible]	7.221	6.885	6.573	6.549
PRECIPATION (CM)	0.968	0.328	0.720	0.135	0.598
NET INFILT. (CM)	0.951	0.298	0.706	0.124	0.566
EVAPOTRANS. (CM)	1.700	0.634	0.411	0.453	0.722
MOIST. RETEN (CM)	[illegible]	0.311	0.418	0.402	0.016
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.053
GRW. RUNOFF (CM)	0.084	-0.025	-0.057	0.137	-0.141
YIELD (CM)	0.088	0.005	-0.074	-0.126	-0.108
MPAU/MPA (GZU)	1.005	1.059	1.087	1.123	0.997
MPA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

[illegible] (UG) -- NOTE: IF [illegible]

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 1:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.157E-02 8.093E-02 8.027E-02 7.971E-02 7.946E-02 7.926E-02 7.909E-02 7.885E-02 7.877E-02 7.865E-02 7.861E-02 7.860E-02

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

FREE LIGAND 5.452E+01 5.529E+01 5.660E+01 5.788E+01 5.847E+01 5.893E+01 5.940E+01 5.998E+01 6.017E+01 6.031E+01 6.045E+01 6.047E+01

AVERAGE SOIL MOISTURE CONCENTRATION (UG/ML)
AVERAGE VAPOR CONCENTRATION (UG/L)
AVERAGE EVAPORATION RATE (CM/DAY)
AVERAGE EVAPORATION (CM)
AVERAGE WATER RETENTION (CM)
TOTAL PORE VOLUME RETENTION (CM)

S ZERO EACH MONTH, IT IS NOT PRINTED.

FOR FINAL MASS IN SOIL MOISTURE, ADSORBED ON SOIL, SOIL AIR, IMMOBILE SEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH 12);

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 8.497E-02
TOTAL DEGRADED (MOISTURE) 8.362E-02
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 7.813E-02
ADSORBED PHASE (UG/G) 3.128E-02
SOIL AIR (UG/ML) 3.343E-03
FREE LIGAND (UG/ML) 3.388E-01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.500E-01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.000E-01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.000E-01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
AVG. PORE WATER (M) 1.000E-01

HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)												
MOIS. BELOW L1 (%)												
PRECIPITATION (CM)												
NET INFILL. (CM)												
EVAPOTRANS. (CM)												
MOIS. RETEN (CM)												
SUR. RUNOFF (CM)												
GW. OUTFLW (CM)												
YIELD (CM)	0.089	0.005	-0.025	-0.074	-0.126	-0.177	-0.138	4.870	7.565	3.803	1.607	0.4
PAU/MPA (GZU)	1.006	1.059	0.996	0.997	0.997	0.997	0.997	0.997	0.985	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	0.996	0.997	0.997	0.997	0.997	0.997	0.985	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.427E+06	5.060E+06	4.055E+06	3.764E+
IN_SOIL_WAT	1.067E+07	9.459E+06	9.242E+06	9.242E+06	9.242E+06	9.242E+06	9.242E+06	9.242E+06	1.421E+07	1.671E+07	1.439E+07	1.247E+
ADS_ON_SOIL	9.329E+08	9.317E+08	9.311E+08	9.311E+08	9.311E+08	9.311E+08	9.311E+08	9.311E+08	9.330E+08	9.635E+08	9.480E+08	9.384E+
IN_SOIL_ADS	9.494E+05	9.666E+05	9.719E+05	9.719E+05	9.719E+05	9.719E+05	9.719E+05	9.719E+05	9.539E+05	7.577E+05	8.325E+05	8.651E+

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DEGRAD_MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.193E+05	2.984E+05	3.244E+05	3.243E+
IN_SOIL_MOI	1.078E+08	1.070E+08	1.068E+08	1.068E+08	1.068E+08	1.068E+08	1.068E+08	1.068E+08	1.116E+08	1.113E+08	1.175E+08	1.128E+
ADS_ON_SOIL	8.822E+06	8.811E+06	8.805E+06	8.805E+06	8.805E+06	8.805E+06	8.805E+06	8.805E+06	8.823E+06	9.112E+06	8.965E+06	8.874E+
IN_SOIL_ADS	7.178E+07	7.178E+07	7.178E+07	7.178E+07	7.178E+07	7.178E+07	7.178E+07	7.178E+07	7.178E+07	5.861E+07	6.787E+07	6.891E+

SUBLAYER 3

SUBLAYER 4

LOWER SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

[illegible]

[illegible]

[illegible]

[illegible] SOIL ZONE 1:
SUBLAYER 1

[illegible] SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	7.538E-02	7.440E-02	7.237E-02	7.017E-02	6.882E-02	6.772E-02	6.703E-02
6.676E-02	6.556E-02	6.036E-02	6.514E-02	6.385E-02			
SOIL	1.774E-01	1.755E-01	1.703E-01	1.651E-01	1.619E-01	1.593E-01	1.577E-01
1.566E-01	1.558E-01	1.552E-01	1.548E-01	1.545E-01			
ADSORBED	3.769E-01	3.725E-01	3.615E-01	3.505E-01	3.441E-01	3.386E-01	3.351E-01
3.327E-01	3.308E-01	3.294E-01	3.285E-01	3.278E-01			
SOIL AIR	3.778E-03	3.738E-03	3.638E-03	3.538E-03	2.972E-03	2.918E-03	2.840E-03
2.809E-03	2.778E-03	2.758E-03	2.744E-03	2.734E-03			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	0.000E+00	4.429E-04	1.813E-03	3.485E-03	4.604E-03	5.529E-03	6.060E-03
6.526E-03	6.802E-03	6.942E-03	6.856E-03	6.984E-03			
SOIL	0.000E+00	1.042E-03	4.265E-03	8.196E-03	1.083E-02	1.301E-02	1.426E-02
1.535E-02	1.600E-02	1.633E-02	1.613E-02	1.643E-02			
ADSORBED	0.000E+00	2.214E-03	9.065E-03	1.742E-02	2.302E-02	2.765E-02	3.030E-02
3.262E-02	3.402E-02	3.472E-02	3.429E-02	3.493E-02			
SOIL AIR	0.000E+00	3.881E-05	1.589E-04	3.052E-04	1.989E-04	2.383E-04	2.567E-04
2.752E-04	2.850E-04	2.902E-04	2.872E-04	2.924E-04			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POLYMER CM	6.058E+01	6.132E+01	6.243E+01	6.384E+01	6.480E+01	6.558E+01	6.604E+01
6.618E+01	6.620E+01	6.621E+01	6.622E+01	6.623E+01			

YEAR = 11 ANNUAL SUMMARY REPORT

TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%)	6.941
AVERAGE PERCOLATION BELOW ZONE 1 (%)	0.000
TOTAL PRECIPITATION (CM)	10.000
TOTAL EVAPORATION (CM)	10.000
TOTAL RUNOFF (CM)	0.000
TOTAL SOIL MOISTURE RETENTION (CM)	1.041

TOTAL POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADSORPTION SOIL, SOIL AIR, IMMOBILE CEC, COMPLEXED, AND FREE LIGAND FOR EACH SUBLAYER, SEE ABOVE (MONTH 120)

[illegible] 6.375E-02

SUBLAYER 1

[illegible] 1.611E-02

POLLUTANT 2

POLLUTANT 3

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1-ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.572E-02
ADSORBED SOIL (UG/G)	3.436E-01
SOIL AIR (UG/ML)	2.004E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	4.432E-02
ADSORBED SOIL (UG/G)	2.216E-02
SOIL AIR (UG/ML)	1.036E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	6.629E-01

YEAR 12 MONTHLY RESULTS (CONTOT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	AP
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

POLLUTANT MASS INPUT TO COLUMN (G

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS IN OUTFLOW IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	3.762E+06	3.762E+06	3.762E+06	3.762E+06	3.762E+06	3.762E+06	4.217E+06	3.625E+06	3.133E+
IN SOIL MOI	1.391E+07	1.391E+07	1.391E+07	1.391E+07	1.391E+07	1.391E+07	1.391E+07	1.198E+07	1.038E+
ADS SOIL	7.890E+08	7.890E+08	7.890E+08	7.890E+08	7.890E+08	7.890E+08	8.019E+08	7.890E+08	7.810E+
IN SOIL AIR	6.929E+05	6.929E+05	6.929E+05	6.929E+05	6.929E+05	6.929E+05	6.308E+05	6.929E+05	7.366E+
	8.045E+05	8.089E+05	8.085E+05	8.085E+05	8.085E+05	8.045E+05			

SUBLAYER 2

DEGRAD MOIS	3.082E+05	4.248E+05	6.061E+05	7.526E+05	7.526E+05	7.526E+05	7.526E+05	7.113E+05	6.555E+
IN SOIL MOI	5.748E+05	5.411E+05	4.553E+05	4.922E+05	4.922E+05	4.922E+05	4.913E+05	4.556E+05	4.221E+
ADS SOIL	1.882E+06	2.513E+06	2.446E+06	2.446E+06	2.446E+06	2.446E+06	2.513E+06	2.446E+06	2.221E+
IN SOIL AIR	1.685E+08	1.506E+08	1.611E+08	1.671E+08	1.671E+08	1.671E+08	1.506E+08	1.611E+08	1.671E+
	1.711E+05	1.749E+05	1.762E+05	1.704E+05	1.704E+05	1.711E+05	1.184E+05	1.415E+05	1.576E+

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

[illegible] SOIL ZONE:

SUBLAYER 1

[illegible]

SUBLAYER 2

MOISTURE	6.684E-03	7.423E-03	8.509E-03	9.848E-03	1.078E-02	1.151E-02	1.193E-02	
[illegible]								
[illegible]								
[illegible]								
[illegible]								
[illegible]								
[illegible]								
[illegible]								

SUBLAYER 3

FREE LIGAND	3.772E+01	3.967E+01	4.149E+01	4.382E+01	4.550E+01	4.800E+01	4.907E+01	
[illegible]								

SUBLAYER 4

FREE LIGAND	3.772E+01	3.967E+01	4.149E+01	4.382E+01	4.550E+01	4.800E+01	4.907E+01	
[illegible]								

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	6.662E+01	6.734E+01	6.845E+01	6.957E+01	7.052E+01	7.151E+01	7.207E+01	
[illegible]								

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.892E+07
TOTAL DEGRADED (MOISTURE)	8.917E+07

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	6.826E+06

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

[illegible]

SUBLAYER 2

AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	5.720E-02
SOIL AIR (UG/ML)	[illegible]
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.057E-02
ADSORBED SOIL (UG/G)	5.287E-02
SOIL AIR (UG/ML)	2.462E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	7.231E-01

YEAR 13 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	[illegible]
MOIS. BELOW L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	[illegible]
PRECIPITATION (CM)	[illegible]	[illegible]	[illegible]	10.311	7.148	6.128	[illegible]
NET INFILT. (CM)	[illegible]	[illegible]	[illegible]	10.185	7.097	6.101	[illegible]
EVAPOTRANS. (CM)	[illegible]	[illegible]	[illegible]	2.139	4.277	5.469	[illegible]
MOIS. [illegible] (CM)	[illegible]	1.337	1.647	0.606	-0.932	-0.948	[illegible]
[illegible] (CM)	[illegible]	[illegible]	[illegible]	0.126	0.051	0.028	[illegible]
[illegible] RUNOFF (CM)	[illegible]	[illegible]	4.795	7.440	3.752	1.580	[illegible]
[illegible]	[illegible]	[illegible]	4.870	7.505	3.308	1.607	[illegible]
RAD/MPA (GZU)	0.995	0.996	0.997	[illegible]	1.010	1.008	[illegible]
[illegible] MPA (GZ)	[illegible]	[illegible]	[illegible]	[illegible]	1.010	1.003	[illegible]

POLLUTANT MASS INPUT TO COLUMN (UG) --

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.509E+06	3.017E+06 2.607E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.158E+07	9.967E+06 8.641E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.574E+06	5.566E+06 5.500E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.248E+05	5.786E+05 6.130E

SUBLAYER 2

DEGRAD/HYDR	5.774E+05	7.586E+05	1.012E+06	1.169E+06	1.108E+06	1.012E+06	9.124E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.775E+06	3.432E+06 3.069E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.176E+06	2.261E+06 2.309E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.711E+05	1.986E+05 2.178E-
[illegible]	2.355E+06	2.404E+06	2.421E+06	2.462E+06	2.470E+06		

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	5.257E-02	5.154E-02	5.013E-02	4.961E-02	4.767E-02	4.691E-02	4.648E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.122E-01	1.104E-01 1.092E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.084E-01	2.045E-01 2.021E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.059E-03	2.021E-03 1.997E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.800E+01 3.197E+

SUBLAYER 2

[illegible]

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

[illegible] 7.664E+01 7.837E+01 7.448E+01 7.569E+01 7.685E+01 7.764E+01 7.809E+01
7.821E+01 7.825E+01 7.826E+01 7.827E+01 7.827E+01

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TOTAL INPUTS (UG)

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.041
TOTAL PRECIPITATION (CM) 4.[illegible]
TOTAL INFILTRATION (CM) 4.[illegible]
TOTAL EVAPOTRANSPIRATION (CM) 2.[illegible]
TOTAL SURFACE RUNOFF (CM) 1.[illegible]
TOTAL GW RUNOFF (CM) 1.[illegible]
TOTAL MOISTURE RETENTION (CM) 1.[illegible]
TOTAL YIELD (CM) 1.[illegible]

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL VOL. ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND FURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.882E+07
TOTAL DEGRADED (MOISTURE) 3.260E+07
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 1.014E+07
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

AVERAGE POLLUTANT CONCENTRATIONS NOTE: ONLY NON-

LOWER SOIL ZONE:

SUBLAYER 3

SUBLAYER 4

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
FREE LIGAND (UG/ML)	3.360E+01
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. ROOT DEPTH (M)	7.304E-01

YEAR -14 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.70	7.221	7.605	9.669	12.213	13.148	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.70	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.96E	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	2.668	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.298	0.196	0.124	0.166	2.139	4.277	5.469	3.6
MOIS. RETEN (CM)	0.634	0.611	0.563	0.722	0.606	-0.932	-0.948	-0.2
SURF. RUNOFF (CM)	0.311	0.113	0.048	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.030	0.013	0.011	0.015	7.440	3.752	1.580	0.3
YIELD (CM)	0.084	0.025	0.057	0.071	4.795	7.565	3.803	1.607	0.6
	0.085	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZU)	1.00E	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997				

G) --

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD MIDDLE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 1

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.975E-02 4.289E-02 4.171E-02 4.045E-02 3.967E-02 3.803E-02 3.664E-
02 SOLUBILITY 1.832E-01 1.580E-01 1.536E-01 1.489E-01 1.460E-01 1.400E-01 1.349E-
01 ADSORBED 9.027E-02 9.000E-02 8.983E-02 8.964E-02 8.952E-02 8.929E-02 8.909E-
02 TOTAL 1.934E-01 1.948E-01 1.913E-01 1.877E-01 1.854E-01 1.864E-01 1.932E-
01 SOIL AIR 1.958E-03 1.821E-03 1.743E-03 1.658E-03 1.607E-03 1.713E-03 1.682E-03 1.637E-
03 FREE LAND 3.761E-01 3.594E-01 3.437E-01 3.271E-01 3.168E-01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.873E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 1.671E-02 1.714E-02 1.778E-02 1.863E-02 1.921E-02 1.971E-02 1.997E-
02 SOLUBILITY 3.932E-02 4.032E-02 4.183E-02 4.382E-02 4.521E-02 4.637E-02 4.700E-
02 ADSORBED 8.595E-02 8.818E-02 9.150E-02 9.589E-02 9.887E-02 9.607E-02 9.853E-02 9.987E-
02 TOTAL 1.100E-01 1.128E-01 1.170E-01 1.225E-01 1.263E-01 1.299E-04 8.482E-04 8.463E-
04 FREE LAND 3.725E-01 3.873E-01 4.167E-01 4.364E-01 4.380E-01 2.450E+01 2.800E+01 3.197E-
01

SUBLAYER 3

FREE LAND 3.725E-01 3.873E-01 4.167E-01 4.364E-01 4.380E-01 2.450E+01 2.800E+01 3.197E-
01

SUBLAYER 4

FREE LAND 3.725E-01 3.873E-01 4.167E-01 4.364E-01 4.380E-01 2.450E+01 2.800E+01 3.197E-
01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible]

AVILAGE SOIL MOISTURE ZONE 1 (%)
AVERAGE SOIL MOISTURE LOWER ZONE 1 (%)
TOTAL EVAPOTRANSPIRATION (CM)
TOTAL SURFACE RUNOFF (CM)
TOTAL GW RUNOFF (CM)
TOTAL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.65ZE+07
TOTAL DEGRADED (MOISTURE) 2.713E+07
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 1.269E+07
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 3.09E-02
ADSORBED (UG/G) 1.87E-04
FREE LIGAND (UG/ML) 3.55E-02
SUBLAYER 2
SOIL MOISTURE (UG/ML) 1.90E-02
ADSORBED (UG/G) 9.72E-05
FREE LIGAND (UG/ML) 3.55E-02
SUBLAYER 3
FREE LIGAND (UG/ML) 3.55E-02

YEAR -15 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN LI (%)			7.005	9.669	12.213	13.149	11.709	10.245	8.8
MOIS. BELOW LI (%)			7.005	9.669	12.213	13.149	11.709	10.245	8.8
PERCOLATION (CM)			2.077	5.729	8.282	10.311	7.141	6.129	3.8
LET FROM SOIL (CM)		0.328	2.077	5.680	8.155	10.185	7.097	6.101	3.8
EVAPOTRANSPIR. (CM)		0.298	1.916	3.271	1.774	2.139	4.277	5.469	3.8
MOIS. RETAIN (CM)		0.634	0.161	0.453	1.774	0.600	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)		0.311	0.000	0.202	0.076	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)		0.030	0.000	0.011	0.003	7.440	3.752	1.580	0.5
YIELD (CM)		0.025	0.087	0.127	4.701	7.565	3.803	1.607	0.6
	0.089	0.005	0.074	0.126	0.103				
ZAU/MPA (GZU)			0.998	0.996	0.997	0.995	1.010	1.008	0.9
ZEA/MPA (GZ)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
		1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD FROM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD FROM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD FROM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD FROM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD. MOIS	1.730E+06	2.[illegible]E+06	2.[illegible]E+06	2.[illegible]E+06	2.[illegible]E+06	2.430E+06	2.089E+06	1.805E+06
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.017E+05	5.902E+05	5.983E+05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.921E+02	4.547E+05	4.501E+05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.984E+05	3.913E+05	4.245E+05

SUBLAYER 2

DEGRAD. MOIS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.586E+06	1.410E+06	1.256E+06
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.350E+05	4.754E+05	4.290E+05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.077E+05	3.132E+05	3.162E+05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.420E+05	2.750E+05	2.852E+05

SUBLAYER 3

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 3.540E-02 3.569E-02 3.471E-02 3.356E-02 3.301E-02 3.248E-02 3.215E-02 3.220E-02 3.492E-02
SOLUBILITY 8.165E-02 8.265E-02 8.007E-02 7.740E-02 7.612E-02 7.490E-02 7.417E-02 7.429E-02 8.056E-02
ADSORBED 7.552E-02 7.620E-02 7.438E-02 7.245E-02 7.150E-02 7.059E-02 7.005E-02 7.015E-02 7.535E-02
SOIL 3.347E-03 1.593E-03 1.559E-03 1.562E-03 1.531E-03 1.426E-03 1.400E-03 1.362E-03 1.332E-03
FREE LIGAND 3.772E+01 2.957E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01

SUBLAYER 2

MOISTURE 2.005E-02 2.037E-02 2.084E-02 2.150E-02 2.198E-02 2.237E-02 2.258E-02 2.252E-02 2.258E-02
SOLUBILITY 4.275E-02 4.358E-02 4.253E-02 4.249E-02 4.248E-02 4.248E-02 4.248E-02 4.248E-02 4.248E-02
ADSORBED 3.313E-02 3.376E-02 3.302E-02 3.299E-02 3.298E-02 3.298E-02 3.298E-02 3.298E-02 3.298E-02
SOIL 1.131E-01 1.010E-01 1.016E-01 1.032E-01 1.075E-01 1.099E-01 1.119E-01 1.129E-01 1.139E-01
FREE LIGAND 9.409E-04 8.550E-04 9.945E-04 9.320E-04 9.493E-04 9.642E-04 9.568E-04 9.512E-04 9.422E-04
FREE LIGAND 3.772E+01 2.957E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.957E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.957E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 8.470E+01 8.542E+01 8.653E+01 8.795E+01 8.890E+01 8.969E+01 9.015E+01 9.027E+01 9.038E+01

YEAR 15 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%) 3.
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 3.
TOTAL PRECIPITATION (CM) 1.
TOTAL EVAPOTRANSPIRATION (CM) 1.
TOTAL RUNOFF DEPTH (CM) 1.
TOTAL GROUNDWATER RECHARGE (CM) 1.

[illegible]

[illegible]

TOTAL WATERSHED (MOISTURE) [illegible]

SUBLAYER 3

TOTAL RECHARGE (MOISTURE) 1.402E 07

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.29[illegible]E-02
ADSORBED SOIL (UG/G) 1.[illegible]E-01
SOIL SITE (UG/ML) 1.[illegible]E-03
FREE LIGAND (UG/ML) 3.350E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 2.1[illegible]E-02
ADSORBED SOIL (UG/G) 9.[illegible]E-01
SOIL SITE (UG/ML) 9.[illegible]E-04
FREE LIGAND (UG/ML) 3.350E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.350E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.350E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.03[illegible]E-01

YEAR 19 MONTHLY RESULTS (CUTOFF)

[illegible]

	MAY	OCT	NOV	DEC	JAN	FEB	MAR	APR
99	1.059	1.059	0.997	0.997	0.997	0.995	1.010	1.008

POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD_UPPE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD_LOWE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD_ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD_MOIS	1.420E+06	1.196E+06	1.358E+06	1.273E+06	1.694E+06	2.022E+06	1.738E+06	1.502E+
06	1.280E+06	1.177E+06	1.355E+06	1.315E+06	1.668E+06			
IN_SOIL_MOI	3.977E+06	3.477E+06	3.915E+06	3.731E+06	4.788E+06	6.670E+06	5.742E+06	4.978E+
06	4.255E+06	3.977E+06	4.574E+06	4.437E+06	5.626E+06			
ADS_TO_SOI	3.241E+05	2.741E+05	3.247E+05	3.147E+05	3.977E+05	3.845E+05	3.783E+05	3.745E+
05	3.730E+05	3.577E+05	3.973E+05	3.853E+05	4.880E+05			
IN_SOIL_AIR	3.241E+05	2.741E+05	3.247E+05	3.147E+05	3.977E+05	3.024E+05	3.322E+05	3.532E+
05	3.780E+05	3.857E+05	3.873E+05	3.876E+05	3.880E+05			

SUBLAYER 2

DEGRAD_MOIS	1.965E+06	1.651E+06	1.741E+06	1.611E+06	1.737E+06	1.542E+06	1.303E+
06	1.474E+06	1.360E+06	1.559E+06	1.513E+06	1.919E+06			
IN_SOIL_MOI	5.502E+06	4.623E+06	4.875E+06	4.511E+06	5.427E+06	5.827E+06	5.165E+06	4.554E+
06	5.128E+06	4.958E+06	5.677E+06	5.504E+06	6.992E+06			
ADS_TO_SOI	4.482E+05	3.642E+05	4.541E+05	4.402E+05	5.564E+05	3.358E+05	3.403E+05	3.426E+
05	3.413E+05	3.273E+05	3.634E+05	3.524E+05	4.463E+05			
IN_SOIL_AIR	4.482E+05	3.642E+05	4.541E+05	4.402E+05	5.564E+05	2.642E+05	2.988E+05	3.231E+
05	3.482E+05	3.550E+05	3.573E+05	3.577E+05	3.581E+05			

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

SUBLAYER 2

NE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	3.029E-02	3.966E-02	2.858E-02	2.901E-02	2.747E-02	2.702E-02	2.67[illegible]
SOLUBILITY	6.855E-02	7.655E-	[illegible]	[illegible]	[illegible]	6.402E-02	6.359E-02	6.23[illegible]
ADSORBED	3.170E-02	4.239E-	[illegible]	[illegible]	[illegible]	1.973E-01	1.9[illegible]E-01	1.9[illegible]
VAPOR	3.322E-01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	1.108E-03	[illegible]	[illegible]	[illegible]	[illegible]	1.136E-03	1.165E-03	1.193E
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01						

SUBLAYER 2

MOISTURE	2.255E-02	2.976E-02	2.911E-02	2.986E-02	5.400E-02	5.491E-02	5.44[illegible]
SOLUBILITY	5.302E-	[illegible]	[illegible]	[illegible]	[illegible]	5.646E-02	5.730E-02	5.75[illegible]
ADSORBED	2.753E-02	3.744E-	[illegible]	[illegible]	[illegible]	1.200E-01	1.215E-01	1.224E-
VAPOR	2.224E-01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	7.420E-04	[illegible]	[illegible]	[illegible]	[illegible]	1.036E-03	1.040E-03	1.05[illegible]
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01						

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	9.072E+01	9.145E+01	9.256E+01	9.397E+01	9.493E+01	9.571E+01	9.617E+
01 9.629E+01	9.633E+01	9.634E+01	9.635E+01	9.642E+01			

YEAR - 16 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	3.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	5.443
TOTAL PRECIPITATION (CM)	1.000E+02
TOTAL EVAPOTRANSPIRATION (CM)	4.413E+01
TOTAL SURFACE RUNOFF (CM)	0.000E+00
TOTAL GW RUNOFF (CM)	5.543E+01
TOTAL MOISTURE RETENTION (CM)	0.000E+00
TOTAL YIELD (CM)	5.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PORE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH DEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.147E+07
TOTAL DEGRADED (MOISTURE)	1.678E+07

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.603E+07

SUBLAYER 3

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED - AVERAGE POLLUTANT CONCENTRATIONS - NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.744E-02
ADSORBED SOIL (UG/G) 1.372E-01
SOIL AIR (UG/ML) 1.156E-03
FREE LIGAND (UG/ML) 3.360E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 2.280E-02
ADSORBED SOIL (UG/G) 1.140E-01
FREE LIGAND (UG/ML) 3.360E-01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E-01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E-01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.642E-01

YEAR 17 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
[illegible]									13.149	11.709	10.245	
[illegible]									13.149	11.709	10.245	
[illegible]									10.311	7.148	6.120	
[illegible]									10.185	7.027	6.191	
[illegible]									2.199	4.277	5.463	
[illegible]									0.600	0.032	0.045	
[illegible]									0.126	0.051	0.026	
[illegible]									7.440	3.752	1.500	
[illegible]									7.505	3.833	1.667	

[illegible]

ZERO EACH MONTH, IT IS NOT PRINTED)

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZATION	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.682E+00	1.446E+00	1.250E+
DIFFUSED DOWN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.549E+00	4.777E+00	4.141E+
ADVECTED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.198E+00	3.147E+00	3.115E+
ADVECTED DOWN	3.152E+05	3.128E+05	3.122E+05	3.122E+05	3.122E+05	3.122E+05	2.516E+05	2.764E+05	2.938E+

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DIFFUSED DOWN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.342E+06	1.628E+06	1.487E+
ADVECTED UP	4.236E+06	4.118E+06	4.088E+06	4.088E+06	4.088E+06	4.088E+06	6.170E+06	5.451E+06	4.798E+
ADVECTED DOWN	4.118E+06	4.088E+06	4.088E+06	4.088E+06	4.088E+06	4.088E+06	3.557E+03	3.582E+06	3.608E+
ADVECTED SOIL	3.609E+05	3.737E+05	3.760E+05	3.760E+05	3.760E+05	3.760E+05	2.797E+05	3.154E+05	3.404E-

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/L) AT [illegible] (UG/G) NOTE: IF CONCENTRATIONS A

RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

[illegible]

SUBLAYER 3

FREE LIGAND 3.772E+01 3.967E+01 2.349E+01 2.163E+01 2.450E+01 2.800E-01 3.197E+01 3.772E+01 3.973E+01 4.167E+01 4.384E+01 4.636E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 3.967E+01 2.349E+01 2.163E+01 2.450E+01 2.800E-01 3.197E+01 3.772E+01 3.973E+01 4.167E+01 4.384E+01 4.636E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

SOIL DEP CM 9.675E+01 9.747E+01 9.859E+01 1.000E+02 1.010E+02 1.017E+02 1.022E+02 1.023E+02 1.024E+02 1.024E+02 1.024E+02 1.024E+02

YEAR = 17 AREA = 1 MONTH REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.0
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.0
TOTAL PRECIPITATION (CM)	0.000E+00
TOTAL INFILTRATION (CM)	0.000E+00
TOTAL EVAPOTRANSPIRATION (CM)	0.000E+00
TOTAL SURFACE RUNOFF (CM)	0.000E+00
TOTAL GRW RUNOFF (CM)	0.000E+00
TOTAL MOISTURE RETENTION (CM)	0.000E+00
TOTAL YIELD (CM)	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE ON SOIL, SOIL AIR, IMMOBILIZED, COMPLEXED, AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH 12)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 8.572E+00

TOTAL DEGRADED (MOISTURE) 1.503E+07

SUBLAYER 2

TOTAL DIFFUSED (UP) 1.783E+00

TOTAL DEGRADED (MOISTURE) 1.782E+07

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

AVERAGE POLLUTANT CONCENTRATIONS

ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

ALL MOISTURE (UG/ML)	0.000E+00
ADSORBED PHASE (UG/G)	0.000E+00
FREE LIGAND (UG/ML)	0.000E+00

SUBLAYER 2

ALL MOISTURE (UG/ML)	0.000E+00
ADSORBED PHASE (UG/G)	0.000E+00
FREE LIGAND (UG/ML)	0.000E+00

SUBLAYER 3

FREE LIGAND (UG/ML)	0.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	0.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.024E+00

YEAR =18 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	9.009	12.210	18.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.605	9.009	12.210	18.149	11.709	10.245	8.9
PRECIPATION (CM)	7.221	7.688	6.753	6.549			
NET INFILT. (CM)	2.328	2.655	5.560	10.311	7.148	6.128	3.6
EVAPOTRANS. (CM)	2.298	2.655	5.560	10.135	7.097	6.101	3.6
SOIL STORAGE (CM)	4.934	5.033	1.193	0.176	0.051	0.027	0.0
SOIL STORAGE (CM)	0.311	0.344	0.193	0.176	0.051	0.027	0.0
SUR. RUNOFF (CM)	0.030	0.033	0.000	0.000	0.000	0.000	0.0
GW. STORAGE (CM)	20.025	20.057	20.137	20.137	20.137	20.137	20.1
YIELD (KG/M2)	0.089	0.005	0.074	0.126	0.108	0.126	0.051	0.036	7.440	8.752	1.580	0.5
BAU/MEA (GZU)	1.059	0.999	0.999	0.997	0.998	0.997	0.998	1.010	1.008	1.008	0.9
BEA/MEA (AZU)	1.059	0.999	0.999	0.997	0.998	0.997	0.998	1.010	1.008	1.008	0.9

-- POLLUTANT MASS UNITS IN SOLUTION (KG)

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
ADSORBED PHASE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
FREE LIGAND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
COMPLEXED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
TOTAL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.198E-02 2.067E-02 2.010E-02 1.949E-02 1.911E-02 1.881E-02 1.861E-

SUBLAYER 2

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E-06
SOIL ZONE 2	0.000E-06
LOWER SOIL ZONE	0.000E-06

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.000
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.000
TOTAL PRECIPITATION (CM)	0.000
TOTAL IRRIGATION (CM)	0.000
TOTAL EVAPOTRANSPIRATION (CM)	0.000
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	0.000

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI, ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 0.000E+00

TOTAL DEGRADED (MOISTURE) 0.000E+00

SUBLAYER 2

TOTAL DIFFUSED (UP) 3.538E+06

TOTAL DEGRADED (MOISTURE) 1.758E+07

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. SOIL DEPTH (M) 1.0

YEAR 19 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.221		7.605	9.669	12.213				13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.221		7.605	9.669	12.213				13.140	11.709	10.245	8.9
PRECIPITATION (CM)	2.328		2.775	5.724	8.258				10.311	7.148	6.128	3.6
NET INFIL. (CM)	2.296		2.653	5.665	8.256				10.185	7.087	6.101	3.6
EVAPOTRANS. (CM)	1.634		1.911	2.274	1.712				2.139	1.377	5.459	3.8
MOIS. RETEN (CM)	0.624		0.681	1.337	1.067				0.836	-0.302	-0.948	-0.2
SUR. RUNOFF (CM)	0.311		0.218	0.202	0.076				0.126	0.051	0.026	0.0
LGRW. RUNOFF (CM)	0.030		0.053	0.071	0.033				7.440	3.752	1.580	0.5
YIELD (CM)	0.084		0.057	4.795					7.565	3.800	1.807	0.6
	0.089	-0.025	-0.074	-0.126	-0.108							
SAN/MPA (SZU)	1.059		0.998	0.998	0.997				0.995	1.010	1.008	0.9
SA/MPA (SZ)	1.008		0.998	0.998	0.997				0.995	1.010	1.008	0.8
		1.059	1.057	1.129								

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00		0.000E+00	0.000E+00	0.000E+00				0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00		0.000E+00	0.000E+00	0.000E+00				0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00		0.000E+00	0.000E+00	0.000E+00				0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00		0.000E+00	0.000E+00	0.000E+00				0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00		0.000E+00	0.000E+00	0.000E+00				0.000E+00	0.000E+00	0.000E+00	0.000E+
	0.000E+00		0.000E+00	0.000E+00	0.000E+00							
TOTAL INPUT	0.000E+00		0.000E+00	0.000E+00	0.000E+00				0.000E+00	0.000E+00	0.000E+00	0.000E+

ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) - NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	1.778E-02	1.742E-02	1.695E-02	1.643E-02	1.612E-02	1.588E-02	1.569E-
SOIL BYLITY	4.188E-02	4.154E-02	4.104E-02	4.050E-02	3.792E-02	3.781E-02	3.692E-
ADSORBED	8.458E-02	8.388E-02	8.285E-02	8.174E-02	8.053E-02	7.928E-02	7.846E-
SOLUTE	7.791E-02	7.768E-02	7.707E-02	7.638E-02	6.960E-04	6.883E-04	6.849E-
FREE LAND	3.503E-04	3.410E-04	3.336E-04	3.300E-04	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.187E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	2.801E-02	2.685E-02	2.614E-02	2.695E-02	2.953E-02	2.883E 02	2.875E-
SOIL BYLITY	6.599E-02	6.322E-02	6.156E-02	6.347E-02	6.242E-02	6.278E-02	6.295E-
ADSORBED	1.278E-01	1.253E-01	1.207E-01	1.257E-01	1.326E-01	1.334E-01	1.338E-
SOLUTE	1.501E-01	1.502E-01	1.507E-01	1.509E-01	1.146E-03	1.150E-03	1.130E
FREE LAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.187E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

1.099E+02 1.095E+02 1.109E+02 1.134E+02 1.139E+02 1.139E 02 1.142E+

HYDROLOGIC CYCLE COMPONENTS

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) ... COMPONENT ...

ZERO EACH MONTH, IF IS NOT PRINTED

... SEE ABOVE (MONTH ...)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED ...

TOTAL DEGRADED (MOISTURE) 1.103E-07

SUBLAYER 2

TOTAL DIFFUSED (UP) 4.852E+06

TOTAL DEGRADED (MOISTURE) 1.782E+07

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) ...

ADSORBED ... (UG/G) ...

FREE LIGAND (UG/ML) 0.000E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) ...

ADSORBED ... (UG/G) ...

FREE LIGAND (UG/ML) 0.000E-01

SUBLAYER 3

FREE LIGAND (UG/ML) ...

SUBLAYER 4

FREE LIGAND (UG/ML) ...

SOIL ZONE 2:

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)		7.605	9.000	13.210	13.140	11.760	10.045		
MOIS. BELOW L1 (%)		7.605	9.000	13.210	13.140	11.760	10.045		
PRECIPITATION (CM)		0.000	0.000	0.000	10.811	7.140	0.120		
SNOWMELT (CM)		0.000	0.000	0.000	10.105	7.077	0.101		
EVAPOTRANSP. (CM)		0.000	0.000	0.000	0.000	0.000	4.077		
INFIL. TO SZ (CM)		0.000	0.000	0.000	0.000	0.000	0.000		
SUR. RUNOFF (CM)		0.000	0.000	0.000	0.000	0.000	0.000		
GW. RUNOFF (CM)		0.000	0.000	0.000	0.000	0.000	0.000		
YIELD (CM)		0.000	0.000	0.000	0.000	0.000	0.000		
	0.089	0.005	0.074	0.120	0.106				
PAU/MPA (GZU)		1.059	0.998	0.996	0.997	0.995	1.010	1.008	
PA/MPA (GZU)		1.059	0.998	0.996	0.997	0.995	1.010	1.008	
	1.006	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD ZONE 1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.008E+06	8.672E-05	7.495E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.338E+06	2.865E+06	2.454E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.013E+06	1.558E+03	1.338E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.509E+05	1.653E+05	1.763E+

SUBLAYER 2

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.035E+06	1.033E+06	1.427E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.433E+06	5.650E+06	4.958E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.715E+05	2.752E+05	2.726E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.014E+05	1.268E+05	1.517E

SUBLAYER 3

[illegible]

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

LIGAND CONCENTRATIONS (UG/KG) OF (UG/G) NOTE: IF CONCENTRATION
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	1.512E-02	1.482E-02	1.441E-02	1.397E-02	1.371E 02	1.348E-02	1.335E-
02 1.329E-02	1.326E-02	1.324E-02	1.322E-02	1.321E-02			
%SOLUBILITY	3.557E-02	3.487E-02	3.381E-02	3.260E-02	3.225E-02	3.173E-02	3.140E-
02 3.128E-02	3.118E-02	3.110E-02	3.103E-02	3.097E-02			
ADSORBED	7.159E-02	7.019E-02	6.820E-02	6.603E-02	6.853E-02	6.742E-02	6.672E
02 6.627E-02	6.592E-02	6.564E-02	6.541E-02	6.522E-02			
SOLN	6.139E-04	6.024E-04	5.858E-04	5.678E-04	5.919E-04	5.811E-04	5.854E-
04 5.592E-04	5.568E-04	5.548E-04	5.532E-04	5.519E-04			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.324E+01	4.380E+01			

SUBLAYER 2

MOISTURE	2.613E-02	2.618E-02	2.617E-02	2.623E-02	2.647E 02	2.659E-02	2.664E-
02 2.662E-02	2.657E-02	2.654E-02	2.652E-02	2.650E-02			
%SOLUBILITY	5.748E-02	5.766E-02	5.759E-02	5.744E-02	6.228E-02	6.256E-02	6.260E
02 6.256E-02	6.248E-02	6.241E-02	6.235E-02	6.230E-02			
ADSORBED	1.307E-01	1.307E-01	1.307E-01	1.307E-01	1.315E-01	1.328E-01	1.329E-01	1.328E-
01 1.327E-01	1.326E-01	1.325E-01	1.324E-01	1.323E-01			
SOLN	1.109E-03	1.094E-03	1.088E-03	1.072E-03	1.143E-03	1.146E-03	1.129E-
03 1.120E-03	1.109E-03	1.099E-03	1.091E-03	1.084E-03			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.324E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.324E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.324E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CY	1.143E+02	1.155E+02	1.167E+02	1.181E+02	1.190E-02	1.198E-02	1.208E+
02 1.204E+02	1.204E+02	1.204E+02	1.205E+02	1.205E+02			
1							

YEAR 20 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	2.061
AVERAGE EVAPOTRANSPIRATION ZONE 1 (%)	1.000
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

D TYPE PHASE FOR EACH SUBLAYER, SOIL ADS ... [illegible]

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL ... [illegible]
SUBLAYER 2
TOTAL ... [illegible]
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.374E-02
ADSORBED SOIL (UG/G)	[illegible]
SOIL AIR (UG/ML)	[illegible]
FREE LIGAND (UC/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.636E-02
ADSORBED SOIL (UG/G)	1.318E-01
SOIL AIR (UG/ML)	1.114E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.365E-00

YEAR 21 MONTHLY RUNOFF (OUTPUT)

WATERSHED TOTAL PRECIPITATION -

13	0.000	0.005	-0.074	-0.136	-0.188	7.555	8.810	1.007
TAU/MPA (GZU)		0.999	0.998	0.997	0.995	1.010	1.008	0.9
99 TA/MPA (GZE)	1.059	0.998	0.998	0.997	0.995	1.010	1.008	0.9
99	1.059	1.007	1.125	0.997				

G) -- -- POLLUTANT MASS INPUT TO COLUMN (U

MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD MOIS	1.162E+06	1.208E+06	1.249E+06	1.284E+06	6.651E+05	7.436E+05	8.426E+
05 5.477E+05	4.345E+05	3.445E+05	2.743E+05	2.205E+05			
IN SOIL	4.345E+06	4.516E+06	4.668E+06	4.797E+06	2.854E+06	2.457E+06	2.180E+
06 1.995E+06	1.577E+06	1.245E+06	9.870E+05	7.822E+05			
ADS ON SO	6.915E+07	7.190E+07	7.435E+07	7.653E+07	1.645E+08	1.618E+08	1.602E+
08 1.596E+08	1.577E+08	1.562E+08	1.550E+08	1.541E+08			
N ON SOIL A	1.650E+05	1.715E+05	1.773E+05	1.824E+05	1.294E+05	1.421E+05	1.511E+
05 1.562E+05	1.650E+05	1.658E+05	1.658E+05	1.658E+05			

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD MOIS	1.173E+06	1.219E+06	1.260E+06	1.296E+06	1.823E+06	1.578E+06	1.373E+
06 1.190E+06	1.055E+06	9.453E+05	8.539E+05	7.780E+05			
IN SOIL	4.386E+06	4.557E+06	4.711E+06	4.842E+06	6.037E+06	5.235E+06	4.558E+
06 4.045E+06	3.945E+06	3.532E+06	3.192E+06	2.909E+06			
ADS ON SOIL	6.978E+07	7.255E+07	7.502E+07	7.722E+07	3.480E+08	3.449E+08	3.429E+
08 3.414E+08	3.403E+08	3.394E+08	3.387E+08	3.382E+08			
N ON SOIL A	1.665E+05	1.730E+05	1.789E+05	1.841E+05	2.737E+05	3.029E+05	3.234E+
05 3.473E+05	3.537E+05	3.557E+05	3.557E+05	3.557E+05			

SUBLAYER 3

DEGRAD MOIS	0.000E+00	0.000E+00	7.509E+03	4.901E+04	7.889E+04	9.138E+04	9.374E+
04 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
IN SOIL	[illegible]	[illegible]	[illegible]	[illegible]	3.082E+05	3.366E+05	3.284E+
05 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
ADS ON SOIL	[illegible]	[illegible]	[illegible]	[illegible]	1.777E+07	2.218E+07	2.470E+
07 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
N ON SOIL A	[illegible]	[illegible]	[illegible]	[illegible]	1.397E+04	1.948E+04	2.330E+
04 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/KG) OR (UG/L) - NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	1.296E-02	1.271E-02	1.220E-02	1.180E-02	1.175E-02	1.156E-02	1.144E-
02 1.142E-02	1.136E-02	1.130E-02	1.123E-02	1.118E-02	1.111E-02	1.106E-02	1.102E-
SOLUBLE	3.105E-02	3.043E-02	2.922E-02	2.827E-02	2.815E-02	2.770E-02	2.742E-
02 2.737E-02	2.722E-02	2.707E-02	2.691E-02	2.679E-02	2.662E-02	2.650E-02	2.641E-
ADSORBED	5.573E-02	5.461E-02	5.245E-02	5.076E-02	5.055E-02	4.975E-02	4.924E-
02 4.914E-02	4.887E-02	4.860E-02	4.831E-02	4.810E-02	4.779E-02	4.758E-02	4.742E-
SOIL AIR	5.435E-04	5.327E-04	5.118E-04	4.955E-04	4.935E-04	4.858E-04	4.809E-
04 4.794E-04	4.771E-04	4.748E-04	4.723E-04	4.705E-04	4.678E-04	4.660E-04	4.646E-
FREE LIGAND	3.772E+01	3.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	2.593E-02	2.591E-02	2.562E-02	2.514E-02	2.486E-02	2.464E-02	2.449E-
02 2.443E-02	2.436E-02	2.429E-02	2.421E-02	2.415E-02	2.407E-02	2.401E-02	2.397E-
SOLUBLE	6.210E-02	6.086E-02	5.843E-02	5.653E-02	5.630E-02	5.541E-02	5.484E-
02 5.474E-02	5.443E-02	5.413E-02	5.381E-02	5.357E-02	5.323E-02	5.300E-02	5.282E-
ADSORBED	1.114E-01	1.092E-01	1.049E-01	1.015E-01	1.011E-01	9.950E-02	9.848E-
02 9.827E-02	9.773E-02	9.720E-02	9.662E-02	9.620E-02	9.558E-02	9.516E-02	9.483E-
SOIL AIR	1.087E-03	1.065E-03	1.024E-03	9.910E-04	9.870E-04	9.716E-04	9.618E-
04 9.588E-04	9.542E-04	9.496E-04	9.446E-04	9.410E-04	9.356E-04	9.320E-04	9.292E-
FREE LIGAND	3.772E+01	3.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

MOISTURE	0.000E+00	0.000E+00	2.359E-04	9.307E-04	1.269E-03	1.584E-03	1.765E-
03 1.870E-03	2.021E-03	2.172E-03	2.324E-03	2.442E-03	2.593E-03	2.744E-03	2.862E-
SOLUBLE	0.000E+00	0.000E+00	4.717E-04	1.861E-03	2.538E-03	3.727E-03	4.152E-
03 4.259E-03	4.285E-03	4.310E-03	4.336E-03	4.356E-03	4.384E-03	4.403E-03	4.418E-
ADSORBED	0.000E+00	0.000E+00	9.434E-04	3.723E-03	5.076E-03	7.454E-03	8.303E-
03 8.518E-03	8.570E-03	8.621E-03	8.672E-03	8.712E-03	8.768E-03	8.810E-03	8.843E-
SOIL AIR	0.000E+00	0.000E+00	1.887E-06	7.446E-06	1.015E-05	1.491E-05	1.661E-
05 1.704E-05	1.714E-05	1.724E-05	1.734E-05	1.742E-05	1.754E-05	1.762E-05	1.768E-
FREE LIGAND	3.772E+01	3.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	3.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.209E+02	1.216E+02	1.227E+02	1.241E+02	1.251E+02	1.258E+02	1.263E+
02 1.264E+02	1.265E+02	1.265E+02	1.265E+02	1.265E+02			

YEAR 2 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.041
AVERAGE SOIL MOISTURE LOWER ZONE 1 (%)	0.111
ANNUAL PRECIPITATION (CM)	126.500
ANNUAL EVAPOTRANSPIRATION (CM)	126.500
ANNUAL PERCOLATION (CM)	0.000
ANNUAL GROUNDWATER RECHARGE (CM)	0.000
ANNUAL RUNOFF (CM)	0.000
ANNUAL SNOWFALL (CM)	0.000
ANNUAL SNOWMELT (CM)	0.000

-- POLLUTANT MASS DISTRIBUTION IN SOLUTION (UG) - NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE ZONE, SOIL AIR, IMMOBILE CTC, COMPLEXES, AN
D FREE LIGAND FOR EACH SUBLAYER SEE ABOVE (SOIL SET)

SUBLAYER 1

TOTAL VOLATILIZED [illegible]

TOTAL DEGRADED (MOISTURE) [illegible]

SUBLAYER 3

TOTAL DISSOLVED (AQ) [illegible]

TOTAL DEGRADED (MOISTURE) [illegible]

SUBLAYER 4

TOTAL DEGRADED (MOISTURE) [illegible]

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.179E-02
ADSORBED SOIL (UG/G)	5.893E-02
SOIL AIR (UG/ML)	2.980E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.478E-02
ADSORBED SOIL (UG/G)	1.238E-01
SOIL AIR (UG/ML)	1.044E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.345E-02
ADSORBED SOIL (UG/G)	6.723E-02
SOIL AIR (UG/ML)	5.668E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.265E+00

YEAR -02 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

[illegible]

					10.113	11.782	12.215	
					10.011	7.111	6.135	
					10.188	7.057	6.191	
					2.139	4.277	5.409	
					0.808	0.832	0.948	
					0.132	0.051	0.020	
					7.140	3.752	1.580	
	0.005				7.565	3.802	1.607	
RAINFALL (CZU)		0.998	0.996	0.997	0.995	1.010	1.008	
99 RAINFALL (SJ)	1.059	0.998	0.996	0.997	0.995	1.010	1.008	
99 1.000	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U
G) --

MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
05 LOAD CODE 05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
06 LOAD CODE 06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
07 LOAD CODE 07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
08 LOAD CODE 08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
09 LOAD CODE 09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD MOIST	3.305E+05	3.305E+05	3.305E+05	3.305E+05	7.447E+05	6.400E+05	5.532E+
05 4.715E+05	4.404E+05	4.404E+05	4.404E+05	4.404E+05			
IN SOIL MOIST	1.760E+06	1.760E+06	1.760E+06	1.760E+06	2.456E+06	2.115E+06	1.833E+
05 1.568E+06	1.465E+06	1.465E+06	1.465E+06	1.465E+06			
ADS ON SOIL	1.365E+08	1.365E+08	1.365E+08	1.365E+08	1.416E+08	1.393E+08	1.379E+
08 1.374E+08	1.365E+08	1.365E+08	1.365E+08	1.365E+08			
IN SOIL WATER	1.142E+05	1.142E+05	1.142E+05	1.142E+05	1.114E+05	1.223E+05	1.301E+
05 1.395E+05	1.421E+05	1.428E+05	1.454E+05	1.434E+05			

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD MOIST	1.188E+06	1.188E+06	1.188E+06	1.188E+06	1.624E+06	1.406E+06	1.222E+
06 1.045E+06	9.764E+05	9.764E+05	9.764E+05	9.764E+05			
IN SOIL MOIST	5.117E+06	5.117E+06	5.117E+06	5.117E+06	5.378E+06	4.663E+06	4.060E+
06 4.475E+06	4.249E+06	4.249E+06	4.249E+06	4.249E+06			
ADS ON SOIL	3.099E+08	3.099E+08	3.099E+08	3.099E+08	3.100E+08	3.072E+08	3.054E+
08 3.046E+08	3.027E+08	3.027E+08	3.027E+08	3.027E+08			
IN SOIL WATER	2.359E+05	2.359E+05	2.359E+05	2.359E+05	2.438E+05	2.698E+05	2.880E+
05 3.083E+05	3.150E+05	3.168E+05	3.190E+05	3.157E+05			

SUBLAYER 3

DEGRAD MOIST	9.095E+04	1.272E+05	1.858E+05	2.373E+05	2.421E+05	2.313E+05	2.148E+
05 1.986E+05	1.727E+05	1.727E+05	1.727E+05	1.727E+05			
IN SOIL MOIST	6.823E+05	6.823E+05	6.823E+05	6.823E+05	6.459E+05	7.956E+05	7.284E+
05 6.218E+05	5.923E+05	5.923E+05	5.923E+05	5.923E+05			
ADS ON SOIL	4.772E+07	4.772E+07	4.772E+07	4.772E+07	4.876E+07	5.261E+07	5.479E+
07 5.630E+07	5.836E+07	5.836E+07	5.836E+07	5.836E+07			
IN SOIL WATER	3.743E+04	3.743E+04	3.743E+04	3.743E+04	3.835E+04	4.520E+04	5.168E+
04 8.617E+04	5.743E+04	5.789E+04	5.896E+04	5.935E+04			

SUBLAYER 4

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

[illegible]

[illegible] (UG/G) NOTE: IF CONCENTRATIONS /

[illegible] ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.116E-03	1.094E-03	1.064E-03	1.031E-03	1.012E-02	9.952E-03	9.951E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.450E+01	2.800E+01	3.197E+

SUBLAYER 2

MOISTURE	2.356E-03	2.306E-03	2.244E-03	2.249E-02	2.215E-02	2.194E-02	2.181E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.450E+01	2.800E+01	3.197E+

SUBLAYER 3

MOISTURE	1.081E-03	2.243E-03	2.640E-03	3.145E-03	3.483E-03	3.753E-03	3.914E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.450E+01	2.800E+01	3.197E+

SUBLAYER 4

FREE LIGAND	3.772E+01	3.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MOL DEP CM	1.288E+02	1.276E+02	1.287E+02	1.301E+02	1.311E+02	1.319E+02	1.323E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] YEAR 2 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.951
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	19.801
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

[illegible] (PESTICIDE MASS DISTRIBUTION IN SOLUTION (UG) - NOTE: IF COMPONENT I

[illegible]

FOR TOTAL MASS IN SOIL MOISTURE, ADSORBED ON SOIL, SOIL AIR, IMMOBILE CEC, COMPLEXED, AN

[illegible] FOR EACH SUBLAYER, SEE ABOVE (MONTH 12)

[illegible]

SUBLAYER 1

[illegible]

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.015E-02
ADSORBED SOIL (UG/G)	5.075E-02
SOIL AIR (UG/ML)	4.288E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.213E-03
ADSORBED SOIL (UG/G)	1.106E-02
SOIL AIR (UG/ML)	9.350E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.412E-03
ADSORBED SOIL (UG/G)	1.706E-02
SOIL AIR (UG/ML)	1.442E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.326E+00

YEAR 199 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS -

MAY JUN JUL AUG SEP OCT NOV DEC TOT AVE

```
[illegible] (CM)[illegible]   2.77[illegible]   5.729[illegible]   [illegible]
[illegible] (CM)[illegible]   2.661[illegible]  5.633[illegible]   [illegible]
[illegible] (CM)[illegible]   1.915   3.07[illegible]   [illegible]
[illegible] (CM)[illegible]   0.084   1.32[illegible]   1.077[illegible]
[illegible] (UG)[illegible]   0.216   [illegible]
[illegible] (CM)[illegible]   0.05[illegible]   [illegible]
[illegible] [illegible]   0.047   [illegible]
[illegible]   0.006   0.074   0.11[illegible]   [illegible]
SE LAMBDA (FEU)           0.988   0.992   0.987   0.000   1.000   1.000
SE LAMBDA (MZ)  1.059     1.087   1.123   0.987   0.985   1.000   1.002
SS    1.059   1.059    1.087   1.123   0.987
                                                -- POLLUTANT MASS INPUT TO COLUMN (U
G)
------------------------------------------------------------------------------------

                  OCT         NOV         DEC         JAN         FEB         MAR         APR
   MAY            JUN         JUL         AUG         SEP

   PRECIP     0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
   LOAD ZONE 1 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
   LOAD ZONE 2 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
   LOAD ZONE 3 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
   LOAD LOWER 0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00

   TOTAL INPUT 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
  -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
------------------------------------------------------------------------------------

      UPPER SOIL ZONE:
             SUBLAYER  1
   VOLATILIZED 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   [illegible] [illegible]
   DEGRAD MOIS 4.580E+05  5.730E+05   7.024E+05   7.394E+05   6.432E+05   5.529E+05   4.779E+
05 4.074E+05  [illegible] [illegible] [illegible] [illegible]
   IN SOIL MOI 1.520E+06  1.894E+06   2.327E+06   2.430E+06   2.122E+06   1.827E+06   1.504E+
06 1.354E+06  1.258E+06   1.204E+06   1.149E+06   1.144E+06
   ADS ON SOIL 1.348E+08  1.322E+08   1.286E+08   1.247E+08   1.223E+08   1.204E+08   1.191E+
08 1.187E+08  1.183E+08   1.180E+08   1.180E+08   1.179E+08
   IN SOIL AIR 1.374E+05  1.192E+05   9.636E+04   8.689E+04   9.620E+04   1.057E+05   1.124E+
05 1.205E+05  1.227E+05   1.234E+05   1.257E+05   1.259E+05
             SUBLAYER  2
   DIFFUSED UP 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   [illegible] [illegible]
   DEGRAD MOIS 9.253E+05  1.251E+06   1.558E+06   1.624E+06   1.444E+06   1.250E+06   1.087E+
06 [illegible] [illegible] [illegible] [illegible] [illegible]
   IN SOIL MOI 3.077E+06  4.249E+06   5.158E+06   5.[illegible]E+06   4.781E+06   4.145E+06   3.808E+
06 3.088E+06  [illegible] [illegible] [illegible] [illegible]
   ADS ON SOIL 2.807E+08  2.745E+08   2.[illegible]E+08   2.[illegible]E+08   2.758E+08   2.731E+08   2.714E+
08 2.707E+08  2.699E+08   2.691E+08   2.[illegible]E+08   2.[illegible]E+08
   IN SOIL AIR 2.899E+05  2.512E+05   2.130E+05   1.942E+05   2.168E+05   2.398E+05   2.560E+
05 2.749E+05  2.800E+05   2.815E+05   2.834E+05   2.864E+05
             SUBLAYER  3
   DEGRAD MOIS 1.802E+05  2.511E+05   3.381E+05   3.959E+05   3.794E+05   3.489E+05   3.158E+
05 2.749E+05  [illegible] [illegible] [illegible] [illegible]
   IN SOIL MOI 5.755E+05  8.061E+05   1.175E+06   1.377E+06   1.288E+06   1.186E+06   1.064E+
06 9.477E+05  [illegible] [illegible] [illegible] [illegible]
   ADS ON SOIL 8.094E+07  8.082E+07   7.915E+07   7.700E+07   7.481E+07   7.816E+07   8.003E+
07 8.043E+07  8.027E+07   8.037E+07   8.025E+07   8.039E+07
   IN SOIL AIR 8.798E+04  7.208E+04   5.842E+04   4.925E+04   5.883E+04   6.864E+04   7.548E+
04 8.169E+04  8.341E+04   8.401E+04   8.548E+04   8.579E+04
             SUBLAYER  4

      SOIL ZONE 2:
             SUBLAYER  1

             SUBLAYER  2

             SUBLAYER  3

             SUBLAYER  4

             SUBLAYER  5

             SUBLAYER  [illegible]
```

[illegible] ZONE:
[illegible] LAYER 1

SUBLAYER 2

[illegible] CONCENTRATIONS (UG/KG) AND (UG/G) [illegible] IF [illegible]
[illegible] FOR EACH ZONE, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	3.635E-03	3.440E-03	3.118E-03	3.009E-03	2.782E-03	2.598E-03	2.510E-
SOLUBILITY	1.357E-02	1.283E-02	1.163E-02	1.122E-02	1.038E-02	9.691E-03	9.362E-
ADSORBED	4.226E-02	4.213E-02	4.191E-02	4.183E-02	4.167E-02	4.154E-02	4.148E-
SOIL AIR	4.210E-04	4.210E-04	4.210E-04	4.210E-04	4.210E-04	4.210E-04	4.210E-
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	2.087E-02	2.069E-02	2.031E-02	1.992E-02	1.969E-02	1.951E-02	1.938E-
SOLUBILITY	1.928E-02	1.892E-02	1.830E-02	1.768E-02	1.687E-02	4.633E-02	4.590E-02	4.561E-
ADSORBED	4.358E-02	4.358E-02	4.358E-02	4.358E-02	4.358E-02	9.844E-02	9.753E-02	9.693E-
SOIL AIR	8.667E-02	8.667E-02	8.667E-02	8.667E-02	8.667E-02	8.503E-04	8.406E-04	8.343E-
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

MOISTURE	4.067E-03	4.284E-03	4.617E-03	5.050E-03	5.344E-03	5.583E-03	5.717E-
SOLUBILITY	1.744E-02	1.838E-02	1.988E-02	2.188E-02	2.320E-02	1.257E-02	1.314E-02	1.345E-
ADSORBED	2.569E-02	2.708E-02	2.933E-02	3.225E-02	3.421E-02	2.672E-02	2.791E-02	2.858E-
SOIL AIR	2.933E-02	3.090E-02	3.344E-02	3.676E-02	3.901E-02	2.308E-04	2.406E-04	2.462E-
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.329E+02	1.336E+02	1.347E+02	1.362E+02	1.371E+02	1.379E+02	1.384E+
02 1.385E+02	1.385E+02	1.385E+02	1.385E+02	1.385E+02			

YEAR = 23 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.04
AVERAGE [illegible] BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL [illegible] (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

[illegible] CONSTITUENT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADS. ON SOIL, SOIL AIR, HYDROLYSIS, COMPLEXED, A
D FREE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH DEC)

UPPER SOIL ZONE:
[illegible]

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.760E-03
ADSORBED SOIL (UG/G)	1.880E-02
SOIL AIR (UG/ML)	7.038E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.867E-02
ADSORBED SOIL (UG/G)	9.337E-02
SOIL AIR (UG/ML)	3.313E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	5.280E-03
ADSORBED SOIL (UG/G)	2.640E-02
SOIL AIR (UG/ML)	9.363E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.386E+00

1

YEAR 124 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR

[illegible]

POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
CONCAD SOIL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
CONCAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
CONCAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD MOIS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.568E+05	4.786E+05	4.137E-
DEGRAD SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.837E+06	1.581E+06	1.371E-
ADS SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.059E+08	1.042E+08	1.031E-
IN SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.326E+04	9.149E+04	9.726E-
04 1.043E+05	1.062E+05	1.068E+05	1.083E+05	1.091E+05								

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD MOIS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.282E+06	1.110E+06	9.641E-
DEGRAD SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.244E+06	3.678E+06	3.201E
ADS SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.440E+08	2.423E+08	2.408E-
IN SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.924E+05	2.126E+05	2.271E-
05 2.439E+05	2.484E+05	2.498E+05	2.514E+05	2.487E+05								

SUBLAYER 3

DEGRAD MOIS	2.733E+05	3.540E+05	4.655E+05	5.282E+05	4.937E-05	4.468E+05	4.000E-					
DEGRAD SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.674E+06	1.509E+06	1.342E-
ADS SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.648E+07	9.939E+07	1.010E-
IN SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.558E+04	8.728E+04	9.524E-
04 1.025E+05	1.050E+05	1.057E+05	1.075E+05	1.077E+05								

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

ZONE 3:

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	8.340E-03	8.176E-03	7.952E-03	7.711E-03	7.568E-03	7.442E-03
SOLUBILITY	7.315E-03	7.293E-03	7.303E-03	7.344E-03	1.780E-02	1.751E-02
ADSORBED	4.170E-02	4.088E-02	3.975E-02	3.855E-02	3.782E-02	3.721E-02
SOIL AIR	3.669E-02	3.597E-02	3.496E-02	3.387E-02	3.230E-04	3.207E-04
FREE LIGAND	3.953E-04	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 2

MOISTURE	1.863E-02	1.838E-02	1.804E-02	1.768E-02	1.747E-02	1.731E-02
SOLUBILITY	1.710E-02	1.703E-02	1.706E-02	1.715E-02	4.112E-02	4.078E-02
ADSORBED	9.024E-02	8.850E-02	8.606E-02	8.347E-02	8.787E-02	8.654E-02
SOIL AIR	8.156E-02	7.998E-02	7.780E-02	7.545E-02	7.547E-04	7.489E-04
FREE LIGAND	8.790E-04	7.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 3

MOISTURE	5.815E-03	5.993E-03	6.269E-03	6.638E-03	6.892E-03	7.099E-03
SOLUBILITY	7.228E-03	7.216E-03	7.207E-03	7.195E-03	1.622E-02	1.670E-02
ADSORBED	1.701E-02	1.698E-02	1.698E-02	1.703E-02	3.446E-02	3.550E-02
SOIL AIR	2.908E-02	2.906E-02	2.906E-02	2.913E-02	2.977E-04	3.059E-04
FREE LIGAND	3.435E-04	7.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

201 DEP CM	1.389E+02	1.397E+02	1.408E+02	1.422E+02	1.431E+02	1.439E+02
02 1.445E+02	1.445E+02	1.445E+02	1.445E+02	1.445E+02		

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.044
TOTAL PRECIPITATION (CM)	0.000E+00
TOTAL EVAPOTRANSPIRATION (CM)	0.000E+00
TOTAL RUNOFF (CM)	0.000E+00
TOTAL GEOMETRIC RETENTION (CM)	0.000E+00

TOTAL FREE (NON-ADSORBED) POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
IS ZERO EACH MONTH, IT IS NOT PRINTED

TOTAL MASS IN SOIL SOIL AIR, IMMOBILE SEC, COMPLETED, A
DETAILED FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL DISSOLVED (MOISTURE) [illegible]

SUBLAYER 3

TOTAL DISSOLVED (MOISTURE) [illegible]

SUBLAYER 4

[illegible] ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 =ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) [illegible]
ADSORBED SOIL (UG/G) [illegible]
SOIL AIR (UG/ML) [illegible]
FREE LIGAND (UG/ML) 3.380E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.746E-02
ADSORBED SOIL (UG/G) 8.730E-02
SOIL AIR (UG/ML) 7.977E-04
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML) [illegible]
ADSORBED SOIL (UG/G) [illegible]
SOIL AIR (UG/ML) [illegible]
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

1 MAX. POLL. DEPTH (M) 1.440E+00

YEAR 65 MONTHLY RECAP (CONTD)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP IN CM (%)			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.245	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000	1.000	0.045
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.100	1.061	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.140	8.752	1.590
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.505	0.000	1.007
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.005	1.010	1.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.095	1.010	1.008

POLLUTANT MASS INPUT TO COLUMN (UG)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
DEGRAD MOIS	3.437E+05	4.300E+05	5.301E+05	5.549E+05	4.827E+05	4.149E+05	3.586E+	3.057E+05
IN SOIL MOI	1.241E+06	1.422E+06	1.746E+06	1.823E+06	1.592E+06	1.371E+06	1.189E+	[illegible]
ADS. ON SOIL	9.298E+07	9.029E+07	8.839E+07	8.514E+07	9.180E+07	9.032E+07	8.840E+	8.807E+07
IN SOIL AIR	9.210E+04	9.260E+04	9.448E+04	9.474E+04	7.219E+04	7.932E+04	8.402E+	9.046E+04

SUBLAYER 2

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	0.000E+00
DEGRAD MOIS	7.840E+05	9.855E+05	1.224E+06	1.294E+06	1.136E+06	9.832E+05	8.542E+	7.298E+05
IN SOIL MOI	2.506E+06	3.252E+06	4.050E+06	4.274E+06	3.760E+06	3.259E+06	2.836E+	2.427E+06
ADS. ON SOIL	2.212E+08	2.261E+08	2.238E+08	2.194E+08	2.168E+08	2.147E+08	2.133E+	2.128E+08
IN SOIL AIR	2.201E+05	2.213E+05	2.227E+05	2.203E+05	1.705E+05	1.885E+05	2.012E+	2.161E+05

SUBLAYER 3

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
DEGRAD MOIS	3.423E+05	4.409E+05	5.708E+05	6.374E+05	5.877E+05	5.269E+05	4.690E+	4.052E+05
IN SOIL MOI	1.146E+06	1.485E+06	1.934E+06	2.167E+06	1.983E+06	1.773E+06	1.571E+	1.35E+06
ADS. ON SOIL	1.017E+08	1.037E+08	1.069E+08	1.112E+08	1.143E+08	1.168E+08	1.182E+	[illegible]
IN SOIL AIR	1.226E+05	1.234E+05	1.255E+05	1.257E+05	8.989E+04	1.026E+05	1.114E+	1.202E+05

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	7.321E-03	[illegible]	[illegible]	[illegible]	[illegible]	8.557E-03	8.152E-03	6.309E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.543E-02	1.518E-02	1.503E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.270E-02	3.226E-02	3.193E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.832E-04	2.780E-04	2.708E-
01 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.800E+01	3.197E+

SUBLAYER 2

MOISTURE	1.052E-03	1.630E-03	1.593E-03	1.567E-03	1.543E-02	1.534E-02	1.524E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.643E-02	3.608E-02	3.556E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.742E-02	7.668E-02	7.619E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.687E-04	6.609E-04	6.456E-
01 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.800E+01	3.197E+

SUBLAYER 3

MOISTURE	7.265E-03	7.407E-03	7.634E-03	7.946E-03	8.185E-03	8.343E-03	8.440E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.921E-02	1.963E-02	1.986E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.083E-02	4.172E-02	4.220E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.526E-04	3.596E-04	3.576E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.800E+01	3.197E+

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CX	1.450E+02	1.457E+02	1.468E+02	1.482E+02	1.492E+02	1.498E+02	1.504E+
02 1.505E+02	1.506E+02	1.506E+02	1.505E+02	1.502E+02			

YEAR = 25 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	[illegible]
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

[illegible] EACH MONTH, IT IS NOT PRINTED

[illegible] FINAL MASS IN SOIL NOT [illegible] ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
[illegible] PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.787E+00
TOTAL [illegible]	[illegible]

SUBLAYER 2

SUBLAYER 1

SOIL ZONE 1:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	6.583E-03
ADSORBED SOIL (UG/G)	3.258E-02
SOIL AIR (UG/ML)	7.832E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.547E-02
ADSORBED SOIL (UG/G)	7.736E-02
SOIL AIR (UG/ML)	1.837E-03
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.113E-03
ADSORBED SOIL (UG/G)	1.557E-02
SOIL AIR (UG/ML)	3.426E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.507E+00

1

YEAR -26 MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
[illegible]		7.005	3.005	12.313	13.149	11.709	10.345				
[illegible]		7.005	3.005	12.313	13.149	11.709	10.345				
[illegible]		2.775	5.736	3.234	10.211	7.149	6.127				
[illegible]		[illegible]	[illegible]	[illegible]	10.197	7.097	6.101				

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS INPUT BY ZONE (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:								
SUBLAYER 1								
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.191E+05	3.503E+05	3.114E+
IN_SOIL_MOI	2.554E+05	2.473E+05	2.335E+05	2.245E+05	2.155E+05	1.383E+06	1.190E+06	1.032E+
ADS_ON_SOIL	8.823E+05	8.247E+05	7.833E+05	7.555E+05	7.277E+05	7.970E-07	7.842E+07	7.762E+
IN_SOIL_AIR	7.733E+07	7.708E+07	7.688E+07	7.675E+07	7.662E+07	6.268E+04	6.087E+04	7.321E+
	7.854E+04	7.996E+04	8.040E+04	5.269E+04	8.137E+04			
SUBLAYER 2								
DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.005E+06	8.700E+05	7.558E+
IN_SOIL_MOI	6.457E+05	6.254E+05	5.907E+05	5.681E+05	5.455E+05	3.328E+06	2.884E+06	2.509E+
ADS_ON_SOIL	2.148E+06	2.009E+06	1.909E+06	1.841E+06	1.773E+06	1.918E-06	1.900E+08	1.888E+
IN_SOIL_AIR	1.882E+08	1.877E+08	1.873E+08	1.870E+08	1.867E+08	1.509E+05	1.466E+05	1.780E+
	1.912E+05	1.947E+05	1.958E+05	1.283E+05	1.982E+05			
SUBLAYER 3								
DEGRAD_MOIS	3.868E+05	5.112E+05	6.566E+05	7.263E+05	6.640E+05	5.913E+05	5.246E+
IN_SOIL_MOI	4.826E+05	4.740E+05	4.592E+05	4.496E+05	4.400E+05	2.233E+06	1.987E+06	1.755E+
ADS_ON_SOIL	1.512E+06	1.433E+06	1.377E+06	1.338E+06	1.299E+06	1.287E+08	1.309E+08	1.320E+
IN_SOIL_AIR	1.322E+08	1.315E+08	1.309E+08	1.305E+08	1.301E+08	1.012E+05	1.143E+05	1.245E+
	1.342E+05	1.369E+05	1.378E+05	1.401E+05	1.402E+05			
SUBLAYER 4								
SOIL ZONE 2:								
SUBLAYER 1								
SUBLAYER 2								
SUBLAYER 3								
SUBLAYER 4								
SUBLAYER 5								
SUBLAYER 6								
SOIL ZONE 3:								
SUBLAYER 1								
LOWER SOIL ZONE:								

LAYER 1

CALCULATED CONCENTRATIONS (UG/G) NOTE: IF CONCENTRATIONS A
DATA PRINTED ARE NOT PRINTED

SOIL ZONE:
SUBLAYER 1

MOISTURE	2.672E-02	2.655E-02	2.638E-02	2.622E-02	2.606E-02	5.000E-03	5.000E-03	5.545E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.318E-02	1.318E-02	1.305E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.847E-02	2.801E-02	2.772E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.459E-04	2.414E-04	2.340E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		2.450E+01	2.800E+01	3.197E+

SUBLAYER 2

MOISTURE	1.443E-02	1.443E-02	1.416E-02	1.387E-02	1.370E-02	1.357E-02	1.348E-	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.224E-02	3.198E-02	3.178E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.852E-02	6.785E-02	6.742E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.919E-04	5.848E-04	5.713E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		2.450E+01	2.800E+01	3.197E+

SUBLAYER 3

MOISTURE	8.452E-03	8.563E-03	8.746E-03	9.009E-03	9.196E-03	9.349E-03	9.430E-	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.164E-02	2.200E-02	2.219E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.598E-02	4.675E-02	4.715E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.972E-04	4.029E-04	3.996E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		2.450E+01	2.800E+01	3.197E+

SUBLAYER 4

FREE LIGAND	3.372E+01	2.967E+01	2.349E+01	2.162E+01	2.450E+01	2.800E+01	3.197E+	
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01				

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POLYPED CM	1.510E+02	1.517E+02	1.528E+02	1.542E+02	1.552E+02	1.560E+02	1.564E+	
02 1.655E+02	1.568E+02	1.566E+02	1.565E+02	1.567E+02				

YEAR - 25 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	2.545
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GROUNDWATER (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADSORPTION ON SOIL, SOIL AIR, IMMOBILE CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	0.000E+00
TOTAL DEGRADED (MOISTURE)	5.868E+01

SUBLAYER 2

TOTAL PERCOLATED (UG)	0.000E+00

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	5.717E-03
ADSORBED SOIL (UG/G)	3.858E-02
SOIL AIR (UG/ML)	2.415E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.369E-02
ADSORBED SOIL (UG/G)	6.580E-02
SOIL AIR (UG/ML)	5.785E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	9.150E-03
ADSORBED SOIL (UG/G)	4.575E-02
SOIL AIR (UG/ML)	3.864E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.567E+00

YEAR -27 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	AP
MOIS. IN L1 (%)			7.685	9.069	12.210				13.140	11.709	10.245	8.9
MOIS. IN L2 (%)			7.685	9.069	12.258				13.140	11.709	10.245	8.9
PRECIPITATION (CM)			6.858	9.677	8.255				10.211	7.142	6.128	8.1
RUNOFF (CM)			0.000	0.000	0.000				0.000	0.000	0.000	0.0
EVAPOTRANSP. (CM)			5.078	5.078	5.078				5.078	5.078	5.078	5.0
PERC. L1 (CM)			0.000	0.000	0.000				0.000	0.000	0.000	0.0
PERC. L2 (CM)			0.000	0.000	0.000				0.000	0.000	0.000	0.0

[illegible]

	MAY	JUN	JUL	AUG	SEP			
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] (UG) - NOTE: IF COMPONENT
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	2.594E+05	2.246E+05	1.953E+05	1.698E+05	1.476E+05	3.644E+05	3.132E+05	2.707E+
N SOIL MOIS	5.609E+06	4.863E+06	4.230E+06	3.680E+06	3.202E+06	1.202E+06	1.035E+06	8.971E+
ADS ON SOIL	7.168E+06	6.213E+06	5.404E+06	4.701E+06	4.091E+06	6.929E+07	6.818E+07	6.748E+
N SOIL AIR	7.783E+04	7.783E+04	7.783E+04	7.783E+04	7.783E+04	5.449E+04	5.987E+04	6.365E+
	6.822E+02	5.952E+04	6.950E+02	7.141E+04	7.169E+04			

SUBLAYER 2

DIFFUSED VAP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	1.033E+05	8.941E+04	7.737E+04	6.695E+04	5.794E+04	8.886E+05	7.690E+05	6.680E+
N SOIL MOIS	2.232E+06	1.933E+06	1.673E+06	1.448E+06	1.253E+06	2.942E+06	2.549E+06	2.213E+
ADS ON SOIL	2.875E+06	2.489E+06	2.154E+06	1.865E+06	1.614E+06	1.696E+08	1.679E+08	1.668E+
N SOIL AIR	1.744E+05	1.744E+05	1.744E+05	1.744E+05	1.744E+05	1.334E+05	1.474E+05	1.573E+
	1.690E+05	1.721E+05	1.730E+05	1.741E+05	1.722E+05			

SUBLAYER 3

DEGRAD MOIS	4.443E+05	3.879E+05	3.387E+05	2.958E+05	2.583E+05	7.243E+05	6.434E+05	5.689E+
N SOIL MOIS	9.598E+06	8.377E+06	7.312E+06	6.385E+06	5.575E+06	2.432E+06	2.158E+06	1.900E+
ADS ON SOIL	1.232E+07	1.075E+07	9.385E+06	8.195E+06	7.156E+06	1.402E+08	1.420E+08	1.430E+
N SOIL AIR	1.430E+05	1.430E+05	1.430E+05	1.430E+05	1.430E+05	1.103E+05	1.247E+05	1.348E+
	1.453E+05	1.481E+05	1.491E+05	1.501E+05	1.484E+05			

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	5.455E-03	5.513E-03	5.570E-03	5.626E-03	5.682E-03	5.737E-03	5.792E-03	5.846E-03	5.900E-03
02	5.953E-03	6.006E-03	6.058E-03	6.110E-03	6.161E-03	6.212E-03	6.262E-03	6.312E-03	6.361E-03
SOLUBILITY	1.410E-02	1.425E-02	1.440E-02	1.455E-02	1.469E-02	1.483E-02	1.497E-02	1.511E-02	1.524E-02
02	1.537E-02	1.550E-02	1.563E-02	1.575E-02	1.588E-02	1.600E-02	1.612E-02	1.623E-02	1.635E-02
ADSORBED	2.821E-02	2.851E-02	2.880E-02	2.909E-02	2.938E-02	2.966E-02	2.994E-02	3.022E-02	3.049E-02
02	3.076E-02	3.102E-02	3.128E-02	3.154E-02	3.179E-02	3.204E-02	3.228E-02	3.252E-02	3.276E-02
VAPOR	2.998E-04	3.029E-04	3.059E-04	3.089E-04	3.119E-04	3.148E-04	3.177E-04	3.206E-04	3.234E-04
02	3.262E-04	3.289E-04	3.316E-04	3.343E-04	3.369E-04	3.395E-04	3.420E-04	3.445E-04	3.470E-04
FREE LIGAND	3.772E+01	3.873E+01	3.973E+01	4.072E+01	4.170E+01	4.267E+01	4.363E+01	4.458E+01	4.552E+01
01	4.645E+01	4.737E+01	4.828E+01	4.917E+01	5.006E+01	5.093E+01	5.180E+01	5.265E+01	5.350E+01

SUBLAYER 2

MOISTURE	1.394E-02	1.376E-02	1.358E-02	1.341E-02	1.324E-02	1.307E-02	1.291E-02	1.275E-02	1.259E-02
02	1.244E-02	1.229E-02	1.214E-02	1.200E-02	1.186E-02	1.172E-02	1.158E-02	1.145E-02	1.132E-02
SOLUBILITY	7.961E-02	7.860E-02	7.760E-02	7.661E-02	7.563E-02	7.467E-02	7.372E-02	7.278E-02	7.185E-02
02	7.093E-02	7.002E-02	6.912E-02	6.824E-02	6.736E-02	6.650E-02	6.565E-02	6.481E-02	6.398E-02
ADSORBED	5.524E-02	5.454E-02	5.385E-02	5.317E-02	5.249E-02	5.183E-02	5.117E-02	5.052E-02	4.988E-02
02	4.925E-02	4.863E-02	4.802E-02	4.742E-02	4.683E-02	4.624E-02	4.567E-02	4.510E-02	4.454E-02
VAPOR	2.998E-04	2.960E-04	2.923E-04	2.886E-04	2.850E-04	2.814E-04	2.779E-04	2.744E-04	2.710E-04
02	2.676E-04	2.643E-04	2.610E-04	2.578E-04	2.546E-04	2.515E-04	2.484E-04	2.453E-04	2.423E-04
FREE LIGAND	3.772E+01	3.724E+01	3.677E+01	3.630E+01	3.584E+01	3.539E+01	3.494E+01	3.450E+01	3.406E+01
01	3.363E+01	3.320E+01	3.278E+01	3.236E+01	3.195E+01	3.154E+01	3.114E+01	3.075E+01	3.035E+01

SUBLAYER 3

MOISTURE	9.408E-03	9.493E-03	9.578E-03	9.662E-03	9.745E-03	9.828E-03	9.910E-03	9.992E-03	1.007E-02
02	1.015E-02	1.023E-02	1.031E-02	1.039E-02	1.047E-02	1.055E-02	1.063E-02	1.071E-02	1.078E-02
SOLUBILITY	2.414E-02	2.436E-02	2.457E-02	2.479E-02	2.500E-02	2.521E-02	2.542E-02	2.563E-02	2.583E-02
02	2.604E-02	2.624E-02	2.644E-02	2.664E-02	2.684E-02	2.703E-02	2.723E-02	2.742E-02	2.761E-02
ADSORBED	4.089E-02	4.125E-02	4.161E-02	4.197E-02	4.232E-02	4.267E-02	4.302E-02	4.336E-02	4.370E-02
02	4.404E-02	4.438E-02	4.471E-02	4.504E-02	4.537E-02	4.570E-02	4.602E-02	4.634E-02	4.666E-02
SOIL AIR	3.945E-04	3.980E-04	4.015E-04	4.050E-04	4.084E-04	4.118E-04	4.152E-04	4.185E-04	4.218E-04
02	4.251E-04	4.283E-04	4.315E-04	4.347E-04	4.378E-04	4.409E-04	4.440E-04	4.470E-04	4.500E-04
FREE LIGAND	3.772E+01	3.806E+01	3.839E+01	3.872E+01	3.904E+01	3.936E+01	3.967E+01	3.998E+01	4.028E+01
01	4.058E+01	4.087E+01	4.116E+01	4.144E+01	4.172E+01	4.199E+01	4.226E+01	4.252E+01	4.278E+01

SUBLAYER 4

FREE LIGAND	3.772E+01	3.867E+01	3.961E+01	4.053E+01	4.144E+01	4.233E+01	4.321E+01	4.407E+01	4.492E+01
01	4.575E+01	4.657E+01	4.737E+01	4.816E+01	4.893E+01	4.969E+01	5.043E+01	5.116E+01	5.187E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.570E+02	1.577E+02	1.588E+02	1.603E+02	1.612E+02	1.620E+02	1.625E+02	1.626E+02	1.626E+02
02	1.626E+02	1.626E+02	1.626E+02	1.626E+02	1.627E+02				

YEAR - 27 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.000
TOTAL PRECIPITATION (CM)	0.000
TOTAL IRRIGATION (CM)	0.000
TOTAL EVAPOTRANSPIRATION (CM)	0.000
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL SUBSURFACE RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	0.000

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADSORBED ON SOIL, SOIL AIR, EXCHANGEABLE, COMPLEXED, AND DISSOLVED PHASE PER EACH SUBLAYER, SEE ABOVE (MONTH 12)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	0.000E+00
TOTAL DEGRADED (MOISTURE)	0.000E+00

SUBLAYER 2

TOTAL VOLATILIZED (AIR)	0.000E+00
TOTAL DEGRADED (MOISTURE)	0.000E+00

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.971E-03
ADSORBED SOIL (UG/G) 2.785E-02
SOIL AIR (UG/ML) 3.100E-04
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.210E-02
ADSORBED SOIL (UG/G) 6.652E-02
SOIL AIR (UG/ML) 7.548E-04
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 9.871E-03
ADSORBED SOIL (UG/G) 4.986E-02
SOIL AIR (UG/ML) 6.209E-04
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.827E+00

1

YEAR -28 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN ZONE 1 (%)	7.705	7.231	7.005	9.000	12.210	13.140	11.760	10.345	8.9
MOIS. BELOW ZONE 1 (%)	7.705	7.231	7.005	9.000	12.210	13.140	11.760	10.345	8.9
PRECIPITATION (CM)	2.771	5.779	8.284	10.211	7.140	6.128	8.9
RUNOFF (CM)	2.005	5.005	8.155	10.105	7.057	6.101	8.9
EVAPOTRANS. (CM)	1.010	1.010	1.010	1.010	1.010	1.010	1.010	2.101	1.257	1.100	1.0
PERCOLATION (CM)	1.010	1.010	1.010	1.010	1.010	1.010	1.010	0.101	0.101	0.101	0.1

				0.995	1.010	1.008		0.9
				0.995	1.010	1.008		0.9

POLLUTANT MASS INPUT TO COLUMN (U

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
									0.000E 00	0.000E+00	0.000E+
									0.000E+00	0.000E+00	0.000E+
									0.000E+00	0.000E+00	0.000E+
									0.000E-00	0.000E+00	0.000E+
									0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

PERCENTAGE OF POLLUTANT IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRADATION									3.171E+05	2.726E+05	2.356E+
IN SOIL MOI									1.046E+06	9.007E+05	7.808E+
ADSORBED SO									6.031E+07	5.934E+07	5.874E+
IN SOIL AIR									4.743E+04	5.211E+04	5.540E+

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRADATION									7.349E+05	6.792E+05	5.899E+
IN SOIL MOI									2.598E+06	2.251E+06	1.959E+
ADSORBED SO									1.498E+08	1.483E+08	1.473E+
IN SOIL AIR									1.178E+05	1.302E+05	1.390E+

SUBLAYER 3

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRADATION									7.710E+05	6.824E+05	6.021E+
IN SOIL MOI									2.583E+06	2.284E+06	2.010E+
ADSORBED SO									1.489E+08	1.504E+08	1.512E+
IN SOIL AIR									1.171E+05	1.321E+05	1.426E+

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)
TOTAL PRECIPITATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)
TOTAL EVAPORATION (CM)
TOTAL RUNOFF (CM)
TOTAL SOIL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

POL FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
I FOR EACH SUBLAYER, SEE ABOVE (WITH EBI)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED
TOTAL DEGRADED (MOISTURE)

SUBLAYER 2

TOTAL DIFFUSED (UP)
TOTAL PERCOLATED (MOISTURE)

SUBLAYER 1

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.327E-03
ABSORBED SOIL (UG/G)	2.163E-02
[illegible]	[illegible]
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.069E-03
ABSORBED SOIL (UG/G)	5.345E-03
[illegible]	[illegible]
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.060E-03
ABSORBED SOIL (UG/G)	5.298E-03
[illegible]	[illegible]
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.687E+00

YEAR -29 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN ZONE (%)			7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW ZONE (%)			7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PERCOLATION (CM)			5.225	6.784	8.558	10.211	7.148	5.128	3.6			
LATERAL DRAIN (CM)			0.328	0.426	0.537	0.641	0.449	0.322	0.2			
RUNOFF (CM)			2.868	5.682	8.158	10.185	7.097	5.101	3.6			
EVAPOTRANS. (CM)			1.911	3.277	4.772	2.139	4.277	5.469	3.8			
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

[illegible] ZERO EACH MONTH, -- IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD MOIS	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	2.763E+05	2.375E+05	2.053E-
IN SOIL MOI	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	9.115E+05	7.847E+05	6.803E-
[illegible]	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.[illegible]E+07	5.255E+07	5.170E+07	5.117E-
IN SOIL AIR	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	5.[illegible]E+04	4.132E+04	4.540E+04	4.827E-
5.17[illegible]	5.271E+04	5.300E+04	5.421E+04	5.443E+04								

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD MOIS	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	4.[illegible]E+05	6.938E+05	6.002E+05	5.214E-
IN SOIL MOI	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	2.296E+06	1.989E+06	1.731E-
[illegible]	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.324E+08	1.311E+08	1.302E-
IN SOIL AIR	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.041E+05	1.151E+05	1.228E-
1.319E+05	1.343E+05	1.351E+05	1.382E+05	1.388E+05								

SUBLAYER 3

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD MOIS	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	5.[illegible]E+05	8.046E+05	7.105E+05	6.260E-
IN SOIL MOI	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	1.[illegible]E+06	2.683E+06	2.376E+06	2.089E-
[illegible]	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.[illegible]E+08	1.552E+08	1.565E+08	1.571E-
IN SOIL AIR	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.221E+05	1.374E+05	1.482E-
1.596E+05	1.627E+05	1.636E+05	1.673E+05	1.680E+05								

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

[illegible]

SUBLAYER 1

[illegible]

SUBLAYER 2

MOISTURE	1.810E-03	9.364E-03	9.772E-03	9.572E-03	9.455E-03	9.362E-03	9.301E-
[illegible]	9.249E-03	2.223E-02	2.141E-02	2.092E-02	2.225E-02	2.203E-02	2.189E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.727E-02	4.681E-02	4.651E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.527E-04	4.484E-04	4.456E-
[illegible]	7.728E-04	4.985E+01	4.349E+01	4.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

MOISTURE	1.070E-02	1.075E-02	1.083E-02	1.087E-02	1.138E-02	1.118E-02	1.122E
[illegible]	2.510E-02	2.626E-02	2.540E-02	2.582E-02	2.609E-02	2.631E-02	2.641E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.544E-02	5.590E-02	5.612E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.789E-04	4.818E-04	4.755E-
FREE LIGAND	7.728E-04	4.985E+01	4.349E+01	4.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

PCL DEP CM	1.691E+02	1.698E+02	1.709E+02	1.723E+02	1.733E+02	1.740E+02	1.745E-
02 1.746E+02	1.747E+02	1.747E+02	1.747E+02	1.748E+02			

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	46.000
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GROUNDWATER RETENTION (CM)	19.500
TOTAL YIELD (CM)	19.543

[illegible] POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) - NOTE: IF COMPONENT I[illegible] S ZERO EACH MONTH, IT IS NOT PRINTED

[illegible] FINAL MASS IN SOIL MOI[illegible] ADS ON SOIL, SOIL AIR, IMMOBIL ORG, COMPLEXED, A[illegible] [illegible] FOR EACH SUBLAYER, SEE ABOVE (MONTH DEC)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.205E-06
TOTAL DEGRADED (MOISTURE)	2.572E-06

SUBLAYER 2

TOTAL DIFFUSED (UP)	2.191E-06
TOTAL PERCOLATED (MOISTURE)	5.191E-06

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.770E-03
ADSORBED SOIL (UG/G)	1.944E-03
SOIL AIR (UG/ML)	1.593E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	9.456E-03
ADSORBED SOIL (UG/G)	4.878E-03
SOIL AIR (UG/ML)	3.995E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.104E-02
ADSORBED SOIL (UG/G)	5.522E-03
SOIL AIR (UG/ML)	4.665E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.748E+00

YEAR -30 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS... IN... (%)												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
EVAP... TRANS... (CM)												

MAY								
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
EVAPOTR	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_IN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_OUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_OUTPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

(SC) NOTE: IF COMPOUNDS ARE ZERO EACH MONTH, IT MAY BE

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD	1.715E+05	1.447E+05	1.447E+05	1.447E+05	2.771E+05	2.410E+05	2.072E+05	1.791E+
N_SOIL	5.462E+05	4.606E+05	4.606E+05	4.606E+05	9.152E+05	7.952E+05	6.846E+05	5.935E+
N_SOIL_A	3.274E+06	2.762E+06	2.762E+06	2.762E+06	4.584E+07	4.584E+07	4.510E+07	4.454E+
N_SOIL_A	4.427E+04	4.427E+04	4.427E+04	4.427E+04	3.576E+04	3.605E+04	3.961E+04	4.211E+
N_SOIL_A	4.517E+04	4.593E+04	4.623E+04	4.732E+04	4.761E+04			

SUBLAYER 2

DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD	3.958E+05	3.693E+05	3.693E+05	3.693E+05	7.077E+05	6.165E+05	5.334E+05	4.633E+
N_SOIL	1.317E+06	1.177E+06	1.177E+06	1.177E+06	2.340E+06	2.041E+06	1.768E+06	1.538E+
LOADS_ON_SO	1.317E+06	1.177E+06	1.177E+06	1.177E+06	2.340E+06	2.041E+06	1.768E+06	1.538E+
N_SOIL_A	1.054E+08	1.054E+08	1.054E+08	1.054E+08	1.176E+08	1.176E+08	1.165E+08	1.157E+
N_SOIL_A	1.172E+05	1.094E+05	1.208E+05	1.212E+05	1.208E+05	9.251E+04	1.023E+05	1.091E+

SUBLAYER 3

DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD	1.030E+06	9.611E+05	9.611E+05	9.611E+05	1.841E+06	1.605E+06	1.388E+06	1.206E+
N_SOIL	3.417E+06	3.064E+06	3.064E+06	3.064E+06	6.092E+06	5.314E+06	4.602E+06	4.005E+
LOADS_ON_SO	3.417E+06	3.064E+06	3.064E+06	3.064E+06	6.092E+06	5.314E+06	4.602E+06	4.005E+
N_SOIL_A	2.744E+08	2.744E+08	2.744E+08	2.744E+08	3.062E+08	3.062E+08	3.033E+08	3.011E+
N_SOIL_A	3.050E+05	2.848E+05	3.144E+05	3.156E+05	3.144E+05	2.408E+05	2.663E+05	2.839E+

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

RE MENT FOR EACH LAYER) [illegible]

UPPER SOIL ZONE:

SUBLAYER 1

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02 2.2[illegible]E-02	1.1[illegible]E-02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02 7.2[illegible]E-03	7.4[illegible]E-03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02 [illegible]E-02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL PHASE	1.5[illegible]E-03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.414E-04	1.388E-04	1.351E
02 [illegible]E-04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.7[illegible]E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01 3.725E+01	3.973E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.000E+01	3.197E

SUBLAYER 2

MOISTURE	8.984E-03	8.860E-03	[illegible]	[illegible]	[illegible]	[illegible]	8.403E-03	8.819E-03	8.205E-
02 [illegible]E-03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02 [illegible]E-02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL PHASE	1.4[illegible]E-03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02 3.467E-04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.7[illegible]E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01 3.725E+01	3.973E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.000E+01	3.197E-

SUBLAYER 3

MOISTURE	1.106E-02	1.100E-02	[illegible]	[illegible]	[illegible]	[illegible]	1.130E-02	1.144E-02	1.147E-
02 [illegible]E-02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02 [illegible]E-02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.073E-02	2.091E-02	2.699E-
SOIL PHASE	1.[illegible]E-03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.680E-02	5.719E-02	5.736E-
02 5.735E-02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.[illegible]E-03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.906E-04	4.929E-04	4.861E-
02 4.824E-04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.7[illegible]E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.000E+01	3.197E-
01 3.725E+01	3.973E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUBLAYER 4

FREE LIGAND	3.7[illegible]E+01	3.96[illegible]E+01	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.000E+01	3.197E+
01 3.725E+01	3.973E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POLGRP CM	1.751E+02	1.759E+02	1.769E+02	1.783E+02	1.798E+02	1.801E+02	1.805E-
02 1.807E+02	1.807E+02	1.807E+02	1.807E+02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	[illegible]
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

FOR EACH PHASE IN SOIL ZONE AND IN SOIL AIR, IMMOBILE (IM, COMPLEXED, A
FOR EACH PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.461E-06
TOTAL DEGRADED (MOISTURE)	2.824E-05

SUBLAYER 2

TOTAL [illegible] (MOISTURE)	[illegible]

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS - NOTE: ONLY NO
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.290E-03
ADSORBED SOIL (UG/G)	1.635E-03
SOIL AIR (UG/ML)	1.380E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.409E-03
ADSORBED SOIL (UG/G)	1.197E-03
SOIL AIR (UG/ML)	1.553E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.121E-02
ADSORBED SOIL (UG/G)	5.557E-03
SOIL AIR (UG/ML)	7.729E-04
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.003E+00

**********EXECUTION COMPLETED**********

Versar INC.

TOLUENE

```
*****
***** SESOIL-84 : SEASONAL CYCLES OF WATER, SEDIMENT, AND POLLUTANTS IN SOIL E
NVIRONMENTS
*****
***** DEVELOPERS: M. BONAZOUNTAS,ARTHUR D. LITTLE INC.  ,(617)864-5770,X5871
*****            J. WAGNER     ,DIS/ADLPIPE, INC.      ,(617)492-1991,X5820
*****
*****
***** MODIFIED EXTENSIVELY BY:
***** D.M. HETRICK
***** OAK RIDGE NATIONAL LABORATORY
***** (615) 576-7556
***** VERSION    : SEPTEMBER 1986
*****
**********************************************************************

                    ****** MONTHLY SESOIL MODEL OPERATION ******
                           MONTHLY SITE SPECIFIC SIMULATION

REGION                :    OAKLAND WSO AP
SOIL TYPE             :    SANDY CLAY
COMPOUND              :    toluene
WASHLOAD DATA         :    DEFAULT APPLIC DATA
APPLICATION AREA      :    DEFAULT APPLIC DATA

WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN
WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

     GENERAL INPUT PARAMETERS

     -- SOIL INPUT PARAMETERS --

SOIL DENSITY (G/CM**3):                                          1.35
INTRINSIC PERMEABILITY (CM**2):                                 1.50E-08
DISCONNECTEDNESS INDEX (-):                                      6.00
POROSITY (-):                                                    .240
ORGANIC CARBON CONTENT (%):                                     1.00
CATION EXCHANGE CAPACITY (MILLI EQ./100G DRY SOIL):             1.00
FREUNDLICH EXPONENT (-):                                        1.00

     -- CHEMICAL INPUT PARAMETERS --

SOLUBILITY (UG/ML):                                              535
DIFFUSION COEFFICIENT IN AIR (CM**2/SEC):                       .880E-01
HENRYS LAW CONSTANT (M**3-ATM/MOLE):                            .637E-02
ADSORPTION COEFFICIENT ON ORGANIC CARBON(KOC):                   380
ADSORPTION COEFFICIENT ON SOIL (K):                              .000
MOLECULAR WEIGHT (G/MOL):                                        92.1
VALENCY (-):                                                     .000
NEUTRAL HYDROLYSIS CONSTANT (/DAY):                              .000
BASE HYDROLYSIS CONSTANT (L/MOL-DAY):                            .000
ACID HYDROLYSIS CONSTANT (L/MOL-DAY):                            .000
DEGRADATION RATE IN MOISTURE (/DAY):                           .100E-01
DEGRADATION RATE ON SOIL (/DAY):                                 .000
LIGAND-POLLUTANT STABILITY CONSTANT (-):                        1.00
NO. MOLES LIGAND/MOLE POLLUTANT (-):                           .136E+04
LIGAND MOLECULAR WEIGHT (G/MOL):                                 202.

     -- APPLICATION INPUT PARAMETERS --

NUMBER OF SOIL LAYERS:                                             4
YEARS TO BE SIMULATED:                                            30
AREA (CM**2):                                                0.340E+08
APPLICATION AREA LATITUDE (DEG.):                                36.0
SPILL (1) OR STEADY APPLICATION (0):                               0
DEPTHS (CM):                                          0.24E+03 0.37E+03  4
NUMBER OF SUBLAYERS/LAYER                                    4        6
PH (CM):                                                   7.0      7.0    7
INTRINSIC PERMEABILITIES (CM**2):                      0.10E-08 0.10E-10 0.
KDEL RATIOS (-):                                           1.0      1.0    1
KDES RATIOS (-):                                           1.0      1.0    1
QC RATIOS ( ):                                             1.0     0.00    1
```

RAIN RATIOS(-): 1.0 1.0

ADS RATIOS(-): 1.0 1.0

YEAR - 1 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
TEMP. (DEG C)	14.940	17.110	16.000	18.660	18.660	12.380	9.550	8.500	8.830	10.330	11.270	12.6
CLOUD CVR (FRAC.)	0.450	0.300	0.400	0.300	0.300	0.500	0.600	0.600	0.600	0.550	0.550	0.5
REL. HUM (FRAC.)	0.700	0.700	0.650	0.600	0.650	0.700	0.800	0.850	0.800	0.750	0.750	0.7
ALBEDO (-)	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.1
EVAPOT. (CM/DAY)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
PRECIP. (CM)	0.960	0.310	2.780	0.110	0.260	5.750	0.120	0.050	8.260	0.600	0.490	0.4
M. TIME RAIN(DAYS)	0.210	0.120	0.050	0.030	0.030	0.130	0.660	0.130	0.720	0.530	0.490	0.4
M. STORM NO. (-)	0.150	0.210	1.600	0.110	3.810	0.180	4.930	0.450	5.650	5.090	4.870	3.0
M. SEASON (DAYS)	30.400	30.400	30.400	30.400	30.400	30.400	30.400	30.400	30.400	30.400	30.400	30.4

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2)	2.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
TRNSFORMD-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SINKS-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
LIG. INPUT-1 (UG/CM**2)	7.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
VOLATILIZATION MULT-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SURFACE RUNOFF MULT-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
POL IN RAIN (FRAC-SL)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0

POL. INP-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
TRNSFORMD-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SINKS-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
LIG. INPUT-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
VOLATILIZATION MULT-2	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.0

POL. INP-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
TRNSFORMD-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SINKS-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
LIG. INPUT-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
VOLATILIZATION MULT-3	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.0

POL. INP-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
TRNSFORMD-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SINKS-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
LIG. INPUT-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
VOLATILIZATION MULT-4	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.0

YEAR - 2 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
TRNSFORMD-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SINKS-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
LIG. INPUT-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
VOLATILIZATION MULT-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
SURFACE RUNOFF MULT-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0
POL IN RAIN (FRAC-SL)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0

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00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS-2 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
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 LIG INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

 POL. INP-3 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS-3 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
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 LIG INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

 POL. INP-L (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS-L (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
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 VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
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      YEAR - 3    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR - 4    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR - 5    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR - 6    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR - 7    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR - 8    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR - 9    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
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      YEAR -10    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
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      YEAR -11    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR -12    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
1
      YEAR -13    MONTHLY INPUT PARAMETERS

      -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
      -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
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-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -15 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -16 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -17 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -18 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -19 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -20 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -21 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -22 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -23 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -24 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -25 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -26 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -27 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -28 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -29 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 1 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	8.445	9.981	12.261	13.149	11.709	10.245	8.8
MOIS. BELOW L1 (%)	7.701	7.221	8.445	9.981	12.261	13.149	11.709	10.245	8.8
PRECIPATION (CM)	0.968	0.328	2.800	5.726	8.184	10.279	7.148	6.128	3.8
NET INFILT. (CM)	0.951	0.298	2.678	5.675	8.108	10.154	7.097	6.101	3.8
EVAPOTRANS. (CM)	1.700	0.634	2.480	3.326	1.717	2.139	4.277	5.469	3.8
MOIS. RETN (CM)	0.822	0.311	-0.171	0.995	1.476	0.575	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.125	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.370	1.354	4.915	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	0.481	1.405	4.990	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.008	1.059	1.007	0.996	0.991	0.992	1.010	1.008	0.8
PA/MPA (GZ)	1.008	1.059	1.087	1.123	0.997	0.992	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	7.820E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	3.760E+04	4.411E+04	5.367E+04	5.707E+04	5.056E+04	4.405E+04	3.844E+
IN SOIL MOI	1.074E+05	1.321E+05	1.709E+05	1.865E+05	1.680E+05	1.464E+05	1.278E+
ADS ON SOIL	1.094E+05	1.023E+05	9.717E+04	8.172E+04	7.165E+04	7.360E+06	7.332E+06	7.308E+
IN SOIL AIR	7.299E+06	7.254E+06	7.536E+06	7.240E+06	6.459E+06	6.378E+06	6.394E+06	6.511E+06	4.851E+04	5.396E+04	5.777E+
	6.205E+04	6.316E+04	6.348E+04	5.694E+04	5.020E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 7.139E-04 7.083E-04 7.011E-04 6.950E-04 6.917E-04 6.891E-04 6.869E-04 6.832E-04 6.822E-04 6.804E-04 6.794E-04 6.770E-04
%SOLUBILITY 1.334E-04 1.324E-04 1.310E-04 1.298E-04 1.293E-04 1.288E-04 1.284E-04 1.276E-04 1.272E-04 1.270E-04 1.268E-04 1.264E-04
ADSORBED 2.713E-03 2.691E-03 2.664E-03 2.641E-03 2.629E-03 2.619E-03 2.610E-03 2.603E-03 2.594E-03 2.588E-03 2.578E-03 2.564E-03
SOIL AIR 1.907E-04 1.916E-04 1.915E-04 1.919E-04 1.903E-04 1.892E-04 1.854E-04 1.835E-04 1.815E-04 1.788E-04 1.757E-04 1.715E-04
FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM 4.407E-01 1.388E+00 2.829E+00 4.667E+00 5.912E+00 6.935E+00 7.830E+00 7.657E+00 7.734E+00 7.748E+00 7.764E+00 7.851E+00

YEAR = 1 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	7.820E+06
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.141
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.141
TOTAL PRECIPITATION (CM)	45.029
TOTAL INFILTRATION (CM)	45.477
TOTAL EVAPOTRANSPIRATION (CM)	27.167
TOTAL SURFACE RUNOFF (CM)	0.551
TOTAL GRW RUNOFF (CM)	18.760
TOTAL MOISTURE RETENTION (CM)	1.398
TOTAL YIELD (CM)	20.260

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI , ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED	1.616E+06
TOTAL DEGRADED (MOISTURE)	4.873E+05

SUBLAYER 2

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	6.718E-04
ADSORBED SOIL (UG/G)	2.888E-03
SOIL AIR (UG/ML)	1.809E-04
FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.321E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	7.851E-02

YEAR = 2 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.968	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.951	0.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	-0.822	0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.075	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.082	0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.5			
YIELD (CM)	0.959	0.335	0.877	1.123	4.870	7.565	3.803	1.607	0.8			

LA/MFA 1.006 1.059 1.087 1.123 0.997

POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	2.487E+04	3.136E+04	3.923E+04	4.955E+04	5.066E+05	5.157E+04	4.157E+04	3.710E+04	3.232E+04	2.821E+		
IN_SOIL_MOI	2.414E+04	2.755E+04	3.143E+04	3.584E+04	4.124E+04	4.579E+04	4.391E+04	3.911E+04	1.233E+05	1.074E+05	9.380E+	
ADS_ON_SOIL	8.029E+04	7.503E+04	7.130E+04	6.796E+04	6.438E+04	6.288E+04	6.425E+04	5.400E+06	5.380E+06	5.362E+		
IN_SOIL_AIR	5.348E+06	5.330E+06	5.312E+06	5.293E+06	5.274E+06	5.255E+06	5.236E+06	3.560E+04	3.960E+04	4.239E+		
	4.553E+04	4.634E+04	4.658E+04	4.181E+04	3.497E+04	3.168E+04	3.178E+04					

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOISTURE	5.244E-04	5.198E-04	5.145E-04	5.100E-04	5.076E-04	5.056E-04	5.040E-					
SOLUBILITY	9.801E-05	9.718E-05	9.623E-05	9.541E-05	9.487E-05	9.451E-05	9.420E-					
ADSORBED	1.910E-03	1.894E-03	1.876E-03	1.860E-03	1.850E-03	1.842E-03	1.835E-					
SOIL_AIR	1.347E-04	1.332E-04	1.312E-04	1.152E-04	9.635E-05	8.728E-05	8.756E-05	1.396E-04	1.388E-04	1.360E-		
FREE_GAND	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.385E+01	2.450E+01	2.803E+01	3.197E-				

01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 3.967E+01 4.349E+01 4.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 3.967E+01 4.349E+01 4.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 8.280E+00 9.222E+00 1.067E+01 1.251E+01 1.375E+01 1.478E+01 1.537E+
01 1.553E+01 1.558E+01 1.559E+01 1.561E+01 1.562E+01

1 YEAR = 2 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	41.399
TOTAL INFILTRATION (CM)	23.154
TOTAL EVAPOTRANSPIRATION (CM)	20.245
TOTAL SURFACE RUNOFF (CM)	18.006
TOTAL GRW RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	18.243
TOTAL YIELD (CM)	18.006

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.186E+06
TOTAL DEGRADED (MOISTURE)	3.390E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SOIL MOISTURE (UG/ML) 4.930E-04
ADSORBED CONT. (UG/G) 4.932E-04
SOIL ADSORPTION (UG/ML) 3.360E-01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.569E-01

YEAR - 3 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.965	1.328	2.775	5.723	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	1.298	2.665	5.680	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.000	1.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	-0.824	1.311	0.684	1.357	1.647	0.606	-0.932	-0.848	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.053	0.126	0.051	0.028	0.0			
GRW. RUNOFF (CM)	0.084	-0.025	0.084	1.073	4.795	7.440	3.752	1.560	0.5			
YIELD (CM)	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.006	1.059	0.998	0.896	0.997	0.995	1.010	1.008	0.9			
PSA/MPA (GZ)	1.006	1.059	0.998	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD. MOIS	1.822E+04	2.301E+04	2.878E+04	3.422E+04	3.085E+04	2.722E+04	2.372E+04	2.070E-				
	1.771E+04	1.655E+04	1.572E+04	1.404E+04	1.220E+04	9.044E+04	7.883E+04	6.882E-				
	3.593E+06	3.962E+06	3.947E+06	3.934E-								

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.848E-04 3.815E-04 3.775E-04 3.742E-04 3.724E-04 3.710E-04 3.698E-
04 3.688E-04 3.675E-04 3.663E-04 3.627E-04 3.640E-04 6.961E-05 6.934E-05 6.911E-
05 6.893E-05 6.870E-05 6.851E-05 6.846E-05 6.831E-05 5.307E-05 1.415E-03 1.410E-03 1.405E-
03 1.401E-03 1.396E-03 1.392E-03 1.388E-03 1.384E-03 1.379E-03 1.025E-04 1.018E-04 9.980E-
05 9.881E-05 9.770E-05 9.672E-05 9.627E-05 9.480E-05 7.468E-05 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.612E+01 1.706E+01 1.851E+01 2.035E+01 2.160E+01 2.262E+01 2.321E+
01 2.337E+01 2.342E+01 2.343E+01 2.345E+01 2.353E+01

1 YEAR = 3 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.[illegible]
TOTAL PRECIPITATION (CM) [illegible]
TOTAL INFILTRATION (CM) [illegible]
TOTAL EVAPOTRANSPIRATION (CM) [illegible]

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI , ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 8.701E+05
TOTAL DEGRADED (MOISTURE) 2.487E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 3.617E-04
ADSORBED SOIL (UG/G) 1.574E-03
SOIL AIR (UG/ML) 9.740E-05
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. POLL. DEPTH (M) 2.353E-01
1

YEAR - 4 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

MOIS. IN L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INF. (CM)	2.663	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.915	3.271	1.712	2.139	4.277	5.409	3.8
MOIS. RETEN (CM)	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.113	0.049	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	1.073	4.795	7.440	3.752	1.580	0.8
YIELD (CM)	0.087	1.137	4.870	7.565	3.803	1.607	0.8
PAU/MPA (GZU)	0.998	0.998	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	0.998	0.998	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	1.298E+04	1.688E+04	3.386E+05	2.111E+04	2.254E+04	1.997E+04	1.740E+04	1.518E+
IN SOIL MOI	4.452E+04	5.612E+04	7.014E+04	7.485E+04	6.635E+04	5.785E+04	5.048E+
ADS ON SOIL	2.907E+06	2.895E+06	2.886E+
IN SOIL AIR	2.563E+04	2.494E+04	2.507E+04	2.250E+04	1.850E+04	1.705E+04	1.916E+04	2.131E+04	2.281E+

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.823E-04 2.799E-04 2.769E-04 2.745E-04 2.732E-04 2.721E-04 2.712E-04 2.705E-04 2.699E-04 2.691E-04 2.687E-04 2.682E-04 2.683E-04
SOLUBILITY 5.276E-05 5.176E-05 5.106E-05 5.087E-05 5.070E-05 5.057E-05 5.039E-05 5.015E-05 4.992E-05 4.974E-05 4.924E-05 3.893E-05 3.130E-05
ADSORBED 1.038E-03 1.034E-03 1.031E-03 1.028E-03 1.024E-03 1.021E-03 1.017E-03 1.012E-03 1.007E-03 1.003E-03 9.992E-04 9.915E-04 9.825E-04
SOIL AIR 7.516E-05 7.471E-05 7.421E-05 7.389E-05 7.339E-05 7.298E-05 7.267E-05 7.232E-05 7.206E-05 7.171E-05 7.156E-05 7.126E-05 7.077E-05
FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01

SUBLAYER 2

FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01

SUBLAYER 3

FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01

SUBLAYER 4

FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 3.106E+01 3.046E+01 2.944E+01 2.819E+01 2.635E+01 2.491E+01 2.396E+01 2.313E+01 3.129E+01 3.127E+01 3.128E+01 3.121E+01

1 YEAR = 4 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.089
TOTAL EVAPOTRANSPIRATION (CM)	25.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GW RUNOFF (CM)	18.886
TOTAL MOISTURE RETENTION (CM)	0.001
TOTAL YIELD (CM)	18.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER. SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	6.383E+05
TOTAL DEGRADED (MOISTURE)	1.825E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.653E-04
ADSORBED SOIL (UG/G)	1.008E-03
SOIL AIR (UG/ML)	7.145E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	3.138E-01

YEAR - 5 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	2.713	5.729	8.234	10.311	7.148	6.128	3.9
NET INFILT. (CM)	2.663	5.680	8.159	10.185	7.097	6.101	3.9
EVAPOTRANS. (CM)	1.915	3.271	1.717	2.139	4.277	5.469	3.9
MOIS. RETEN (CM)	0.411	0.453	0.722	0.606	-0.932	-0.948	-0.9
SUR. RUNOFF (CM)	0.684	1.337	1.647	0.126	0.051	0.028	0.0
GRW. RUNOFF (CM)	0.218	0.202	0.016	0.075	0.033	0.028	0.0
YIELD (CM)	0.113	0.049	0.011	7.440	3.752	1.580	0.5
PAU/MPA (GZU)	0.013	0.064	1.078	4.795	0.141	0.063	0.0
PA/MPA (GZ)	-0.025	-0.087	-0.137	7.565	3.803	1.607	0.6
	0.177	1.122	4.870	0.997	0.995	1.010	1.008	0.9
	0.089	0.005	-0.074	-0.126	-0.108	0.997	0.995	1.010	1.008	0.9
	0.998	0.996	0.997	0.997	0.995	1.010	1.008	0.9
	1.005	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.454E+02 2.197E+02
DEGRAD MOIS 9.818E+03 1.238E+04 1.549E+04 1.653E+04 1.464E+04 1.276E+04 1.113E+
04 9.536E+03 9.902E+03 8.258E+03 7.552E+03 6.626E+03 5.490E+03
N SOIL MOI 3.266E+04 4.117E+04 5.145E+04 5.488E+04 4.866E+04 4.241E+04 3.702E+
04 3.169E+04 3.981E+04 2.814E+04 2.368E+04 2.075E+04 1.842E+04
ADS ON SOIL 2.203E+06 2.184E+06 2.161E+06 2.142E+06 2.132E+06 2.124E+06 2.117E+
06 2.111E+06 2.104E+06 2.096E+06 2.042E+06 1.962E+06 1.625E+06
IN SOIL AIR 1.880E+04 1.651E+04 1.357E+04 1.251E+04 1.405E+04 1.563E+04 1.673E+
04 1.797E+04 1.829E+04 1.838E+04 1.849E+04 1.454E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 2.070E-04 2.053E-04 2.031E-04 2.013E-04 2.004E-04 1.996E-04 1.989E-
04 1.984E-04 1.977E-04 1.970E-04 1.736E-04 1.527E-04
SOLUBILITY 3.870E-05 3.843E-05 3.786E-05 3.763E-05 3.745E-05 3.731E-05 3.718E-
05 3.708E-05 3.688E-05 3.683E-05 3.214E-05 2.955E-05
ADSORBED 7.867E-04 7.800E-04 7.718E-04 7.650E-04 7.614E-04 7.585E-04 7.560E-
04 7.539E-04 7.514E-04 7.487E-04 6.596E-04 5.804E-04
SOIL AIR 5.828E-05 5.653E-05 5.581E-05 5.558E-05 5.512E-05 5.479E-05 5.369E-
05 5.316E-05 5.256E-05 5.178E-05 4.562E-05 4.016E-05
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEF TM 3.181E+01 3.275E+01 3.419E+01 3.502E+01 3.728E+01 3.830E+01 3.900E+

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.545
TOTAL EVAPOTRANSPIRATION (CM)	26.546
TOTAL SURFACE RUNOFF (CM)	18.996
TOTAL GRW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	19.001
TOTAL YIELD (CM)	18.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 4.681E+05
TOTAL DEGRADED (MOISTURE) 1.338E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1
-ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NOI

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 1.946E-04
ADSORBED SOIL (UG/G) 7.394E-04
SOIL AIR (UG/ML) 5.320E-05
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:

YEAR 6 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	0.328	2.077	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.063	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	0.411	0.463	0.722	0.606	-0.932	-0.948	-0.9
MOIS. RETRN (CM)	-0.824	-0.311	-0.218	-0.202	-0.216	0.126	0.051	0.026	0.0
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.013	7.440	3.752	1.580	0.3
GRW. RUNOFF (CM)	0.084	-0.025	0.067	0.137	0.141	7.565	3.803	1.607	0.6
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	7.199E+03	5.398E+03	1.136E+04	1.821E+04	1.611E+04	1.212E+04	1.074E+04	9.357E+03	8.165E+
IN_SOIL_MOI	6.528E+03	5.203E+03	5.540E+03	4.859E+03	4.226E+03	3.568E+04	3.110E+04	2.715E+
ADS_ON_SOIL	2.395E+04	2.064E+04	1.775E+04	1.522E+04	1.563E+06	1.557E+06	1.552E+
IN_SOIL_AIR	1.615E+06	1.602E+06	1.585E+06	1.571E+06	1.030E+04	1.146E+04	1.227E+
	1.548E+06	1.537E+06	1.354E+06	1.192E+06			
	1.318E+04	1.341E+04	1.348E+04	1.209E+04	1.066E+04							

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.518E-04 1.505E-04 1.489E-04 1.476E-04 1.469E-04 1.464E-04 1.459E-
04 1.455E-04 1.450E-04 1.445E-04 1.273E-04 1.120E-04
SOLUBILITY 2.838E-05 2.814E-05 2.782E-05 2.759E-05 2.746E-05 2.736E-05 2.727E-
05 2.719E-05 2.710E-05 2.701E-05 2.378E-05 2.094E-05
ADSORBED 5.769E-04 5.720E-04 5.660E-04 5.610E-04 5.583E-04 5.562E-04 5.544E-
04 5.529E-04 5.510E-04 5.491E-04 4.833E-04 4.256E-04
SOIL AIR 4.055E-05 4.072E-05 4.070E-05 4.077E-05 4.042E-05 4.018E-05 3.937E-
05 3.898E-05 3.852E-05 3.798E-05 3.345E-05 2.945E-05
FREE LIGAND 3.772E+01 3.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 3.965E+01 4.059E+01 4.203E+01 4.368E+01 4.512E+01 4.614E+01 4.674E+
01 4.690E+01 4.694E+01 4.696E+01 4.697E+01 4.705E+01

YEAR = 6 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	40.089
TOTAL INFILTRATION (CM)	40.523
TOTAL EVAPOTRANSPIRATION (CM)	26.546
TOTAL SURFACE RUNOFF (CM)	13.542
TOTAL GRW RUNOFF (CM)	13.336
TOTAL MOISTURE RETENTION (CM)	10.001
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED	3.433E+05
TOTAL DEGRADED (MOISTURE)	9.814E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.427E-04
ADSORBED SOIL (UG/G)	5.422E-04
SOIL AIR (UG/ML)	3.643E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	4.706E-01

YEAR - 7 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	6.885	6.573	6.559	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	6.885	6.573	6.559	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	0.328	2.775	0.120	5.728	0.135	8.234	0.588	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	0.298	2.663	0.106	5.680	0.124	8.158	0.566	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	1.915	0.411	3.271	0.463	1.717	0.722	2.133	4.277	5.469	3.8
MOIS. RETEN (CM)	0.824	0.311	0.684	0.318	1.337	0.202	1.647	0.016	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.013	0.048	0.011	0.053	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.030	0.064	0.013	1.073	0.011	4.795	0.933	7.440	3.752	1.580	0.5
YIELD (CM)	0.024	-0.025	0.177	0.087	1.287	0.121	4.870	0.741	7.565	3.803	1.607	0.6
	0.088	0.005	-0.074		-0.130		-0.109					

99 1.006 1.059 1.087 1.123 0.997

-- POLLUTANT MASS INPUT TO COLUMN (U
G) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
DEGRAD_MOIS	5.279E+03	6.658E+03	8.326E+03	9.886E+03	7.873E+03	6.859E+03	5.986E+
03 5.121E+03	4.785E+03	4.546E+03	4.061E+03	3.582E+03			
IN_SOIL_MOI	1.750E+04	2.213E+04	2.765E+04	3.851E+04	2.616E+04	2.280E+04	1.990E+
04 1.703E+04	1.582E+04	1.513E+04	1.272E+04	1.115E+04			
ADS_ON_SOIL	1.194E+06	1.172E+06	1.162E+06	1.151E+06	1.146E+06	1.142E+06	1.138E-
06 1.135E+06	1.131E+06	1.121E+06	9.927E+05	8.734E+05			
IN_SOIL_AIR	1.011E+04	8.874E+03	7.294E+03	6.723E+03	7.554E+03	8.403E+03	8.994E-
03 9.659E+03	9.831E+03	9.881E+03	8.863E+03	7.814E+03			

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.113E-04	1.104E-04	1.092E-04	1.082E-04	1.077E-04	1.073E-04	1.069E
04 1.066E-04	1.063E-04	1.059E-04	9.830E-05	8.811E-05			
%SOLUBILITY	2.081E-05	2.063E-05	2.041E-05	2.023E-05	2.013E-05	2.006E-05	1.999E
05 1.993E-05	1.986E-05	1.980E-05	1.744E-05	1.535E-05			
ADSORBED	4.230E-04	4.194E-04	4.149E-04	4.112E-04	4.093E-04	4.077E-04	4.063E
04 4.053E-04	4.038E-04	4.025E-04	3.546E-04	3.120E-04			
SOIL_AIR	2.973E-05	2.930E-05	2.884E-05	2.988E-05	2.963E-05	2.946E-05	2.886E
05 2.857E-05	2.823E-05	2.789E-05	2.452E-05	2.158E-05			
FREE_SAND	3.772E+01	3.967E+01	4.329E+01	4.782E+01	2.450E+01	2.800E+01	3.197E
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 4.749E+01 4.843E+01 4.987E+01 5.172E+01 5.296E+01 5.399E+01 5.458E+
01 5.474E+01 5.478E+01 5.480E+01 5.481E+01 5.490E+01

1 YEAR = 7 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.044
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	45.549
TOTAL EVAPOTRANSPIRATION (CM)	25.244
TOTAL SURFACE RUNOFF (CM)	5.044
TOTAL GRW RUNOFF (CM)	15.806
TOTAL MOISTURE RETENTION (CM)	19.500
TOTAL YIELD (CM)	19.543

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.516E+05
TOTAL DEGRADED (MOISTURE)	7.194E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

ADSORBED SOIL (UG/G) 3.975E-04
SOIL APR (UG/ML) 3.817E-05
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 5.490E-01

1

YEAR -- 8 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.770	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.770	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.966	0.328	2.775	5.728	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	0.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.468	3.8			
MOIS. RETEN (CM)	0.824	0.311	0.684	1.387	1.641	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.048	0.075	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.004	-0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.5			
YIELD (CM)	0.089	0.005	0.087	1.137	4.741	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PCA/MPA (GZ)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	4.886E+03	3.971E+03	4.886E+03	9.508E+03	1.408E+04	1.401E+04	8.719E+03	5.775E+03	5.000E+03	4.303E-		
DEGRAD SOIL	3.559E+03	3.412E+03	3.240E+03	2.892E+03	2.533E+03	2.191E+03	1.919E+04	1.648E+04	1.424E-			
IN SOIL MOI	1.215E+04	1.285E+04	1.623E+04	2.029E+04	2.356E+04	2.625E+04	8.407E+05	8.251E+05	8.139E-			
ADS ON SOIL	8.884E+05	8.611E+05	8.521E+05	8.446E+05								

SUBLAYER 2

[illegible] 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.225E+01 8.822E+
0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.471E+02 3.658E+
3.470E+02 3.348E+02 3.240E+02 3.154E+02 3.084E+02 0.000E+00 1.237E+04 2.091E+
3.31E+01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.108E+01 1.653E+
1.963E+02 1.863E+02 1.117E+02 1.197E+02 2.312E+02

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.162E-05 8.093E-05 8.008E-05 7.938E-05 7.902E-05 7.758E-05 7.648E-
05 7.809E-05 7.576E-05 7.545E-05 7.526E-05 7.514E-05 7.484E-05 1.477E-05 1.450E-05 1.430E-
%SOLUBILITY 1.526E-05 1.513E-05 1.497E-05 1.484E-05
05 7.432E-05 7.415E-05 7.410E-05 7.242E-05 7.091E-05 3.003E-04 2.947E-04 2.907E-
ADSORBED 3.102E-04 3.078E-04 3.043E-04 3.017E-04
04 2.895E-04 2.679E-04 2.667E-04 2.524E-04 2.417E-04 2.174E-05 2.129E-05 2.065E-
SOIL AIR 2.180E-05 2.180E-05 2.169E-05 2.162E-05
05 2.039E-05 2.014E-05 1.986E-05 1.746E-05 1.534E-05 2.450E+01 2.800E+01 3.197E+
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.163E-06 1.965E-
06 2.173E-06 2.235E-06 2.269E-06 2.313E-06 2.430E-06
%SOLUBILITY 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.174E-07 3.674E-
07 4.061E-07 4.178E-07 4.241E-07 4.324E-07 4.542E-07
ADSORBED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.413E-06 7.469E-
06 8.256E-06 8.484E-06 8.626E-06 8.780E-06 9.233E-06
SOIL AIR 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.193E-07 5.304E-
07 5.821E-07 5.942E-07 5.963E-07 6.060E-07 6.388E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 5.533E+01 5.627E+01 5.772E+01 5.956E+01 6.080E+01 6.183E+01 6.242E+
01 6.258E+01 6.263E+01 6.264E+01 6.266E+01 6.274E+01

YEAR = 8 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.04
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 3.34
TOTAL PRECIPITATION (CM) 4.[illegible]
TOTAL INFILTRATION (CM) 2[illegible]
TOTAL EVAPOTRANSPIRATION (CM) [illegible]
TOTAL SURFACE RUNOFF (CM) 1[illegible]
TOTAL GRW RUNOFF (CM) [illegible]
TOTAL MOISTURE RETENTION (CM) [illegible]
TOTAL YIELD (CM) [illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.791E+05
TOTAL DEGRADED (MOISTURE) 5.219E+04
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 6.060E+02
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 7.560E-05
ADSORBED SOIL (UG/G) 2.873E-04
SOIL AIR (UG/ML) 2.036E-05
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 1.212E-06
ADSORBED SOIL (UG/G) 4.607E-06
SOIL AIR (UG/ML) 3.264E-07
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

YEAR - 9 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.986	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	0.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	-0.824	-0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.000	0.000	0.000	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.084	-0.026	0.087	1.073	4.795	7.440	3.752	1.580	0.5			
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.006	1.059	0.998	1.087	1.123	0.997	0.995	1.010	1.008	0.9		

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I ZERO EACH MONTH, IT IS NOT PRINTED.

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	2.343E+03	2.186E+03	2.075E+03	1.852E+03	1.622E+03	1.422E+03	1.233E+04	1.055E+04	9.118E+			
IN SOIL MOI	7.784E+03	7.267E+03	6.902E+03	6.161E+03	5.395E+03	4.727E+03	5.401E+05	5.285E+05	5.218E+			
ADS ON SOIL	5.185E+05	5.142E+05	5.972E+05	5.767E+05	5.542E+05	5.338E+05	3.560E+03	3.890E+03	4.121E+			
IN SOIL AIR	4.414E+03	4.489E+03	4.509E+03	4.042E+03	3.556E+03	3.128E+03						

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DEGRAD MOIS	4.379E+02	4.132E+02	3.941E+02	3.762E+02	3.758E+02	5.258E+02	5.212E+02	4.939E+				
IN SOIL MOI	1.267E+03	1.378E+03	1.314E+03	1.252E+03	1.256E+03	1.874E+03	1.824E+03	1.689E+				
ADS ON SOIL	9.773E+04	9.787E+04	9.783E+04	9.706E+04	9.835E+04	8.212E+04	9.133E+04	9.653E+				
IN SOIL AIR	8.319E+02	8.510E+02	8.578E+02	8.737E+02	8.797E+02	5.413E+02	6.722E+02	7.631E+				

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	5.755E-05	5.613E-05	5.420E-05	5.209E-05	5.076E-05	4.967E-05
4.900E-05	4.873E-05	4.852E-05	4.833E-05	4.253E-05	3.737E-05	
SOLUBILITY	1.078E-05	1.049E-05	1.013E-05	9.737E-06	9.488E-06	9.285E-06
9.158E-06	9.103E-06	9.070E-06	9.034E-06	7.985E-06	6.985E-06	
ADSORBED	2.167E-04	2.133E-04	2.060E-04	1.897E-04	1.929E-04	1.888E-04
1.862E-04	1.852E-04	1.844E-04	1.837E-04	1.617E-04	1.420E-04	
SOIL AIR	1.837E-05	1.819E-05	1.791E-05	1.761E-05	1.743E-05	1.728E-05
1.722E-05	1.306E-05	1.290E-05	1.270E-05	1.118E-05	9.826E-06	
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.197E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	

SUBLAYER 2

MOISTURE	2.859E-06	3.771E-06	5.074E-06	6.662E-06	7.718E-06	8.584E-06
9.073E-06	9.185E-06	9.195E-06	9.197E-06	9.244E-06		
SOLUBILITY	5.343E-07	7.048E-07	9.484E-07	1.245E-06	1.443E-06	1.605E-06
1.696E-06	1.717E-06	1.719E-06	1.719E-06	1.728E-06		
ADSORBED	1.068E-05	1.433E-05	1.928E-05	2.532E-05	2.933E-05	3.262E-05
3.448E-05	3.490E-05	3.488E-05	3.482E-05	3.465E-05	3.537E-05	
SOIL AIR	7.635E-07	1.020E-06	1.367E-06	1.839E-06	2.123E-06	2.356E-06
2.449E-06	2.485E-06	2.445E-06	2.417E-06	2.417E-06	2.431E-06	
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.197E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.197E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.197E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	6.317E+01	6.411E+01	6.556E+01	6.740E+01	6.865E+01	6.967E+01
7.026E+01	7.042E+01	7.047E+01	7.048E+01	7.056E+01	7.058E+01	

YEAR = 9 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.542
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	18.001
TOTAL YIELD (CM)	18.542

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.175E-05
ADSORBED SOIL (UG/G)	1.207E-04
SOIL AIR (UG/ML)	8.552E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.218E-05
ADSORBED SOIL (UG/G)	4.627E-05
SOIL AIR (UG/ML)	3.278E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 7.843E-01

YEAR -11 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.968	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.951	0.298	2.663	5.680	8.159	10.185	7.087	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	0.684	0.311	0.411	1.337	1.647	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.049	0.075	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033							
YIELD (CM)	0.084	-0.025	0.084	1.073	4.795	7.440	3.752	1.580	0.5			
	0.039	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PEA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.686E-05 3.595E-05 3.471E-05 3.336E-05 3.251E-05 3.181E-05 3.138E-
05 3.311E-05 3.108E-05 3.085E-05 2.755E-05 2.393E-05
%SOLUBILITY 5.998E-06 5.848E-06 5.748E-06 5.488E-06 5.236E-06 6.077E-06 5.947E-06 5.865E-
06 5.832E-06 5.809E-06 5.786E-06 5.093E-06 4.473E-06
ADSORBED 1.181E-04 1.161E-04 1.135E-04 1.076E-04 1.019E-04 1.235E-04 1.209E-04 1.192E-
04 1.136E-04 1.101E-04 1.076E-04 1.035E-04 9.094E-05
SOIL AIR 9.845E-06 9.725E-06 9.487E-06 8.962E-06 8.211E-06 8.944E-06 8.733E-06 8.489E-
06 8.363E-06 8.261E-06 8.135E-06 7.162E-06 6.293E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 9.473E-06 9.992E-06 1.075E-05 1.170E-05 1.234E-05 1.287E-05 1.316E-
05 1.321E-05 1.319E-05 1.316E-05 1.314E-05 1.312E-05
%SOLUBILITY 1.771E-06 1.868E-06 2.008E-06 2.187E-06 2.307E-06 2.405E-06 2.459E-
06 2.469E-06 2.466E-06 2.460E-06 2.456E-06 2.452E-06
ADSORBED 3.600E-05 3.797E-05 4.084E-05 4.445E-05 4.689E-05 4.889E-05 4.999E-
05 5.019E-05 5.013E-05 5.002E-05 4.993E-05 4.984E-05
SOIL AIR 3.530E-06 3.703E-06 3.937E-06 3.453E-06 3.230E-06 3.395E-06 3.532E-06 3.550E-
06 3.539E-06 3.507E-06 3.458E-06 3.453E-06 3.455E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 7.101E+01 7.196E+01 7.340E+01 7.524E+01 7.649E+01 7.751E+01 7.811E-
01 7.826E+01 7.831E+01 7.832E+01 7.834E+01 7.843E+01

YEAR - 10 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.523
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	1.000
TOTAL GW RUNOFF (CM)	18.542
TOTAL MOISTURE RETENTION (CM)	18.980
TOTAL YIELD (CM)	18.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	7.346E+04
TOTAL DEGRADED (MOISTURE)	2.207E+04

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	8.008E+03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP			
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD_MOIS	1.124E+03	1.400E+03	1.715E+03	1.781E+03	1.537E+03	1.314E+03	1.130E+03
IN_SOIL_MOI	3.963E+03	4.917E+03	5.997E+03	6.654E+03	5.056E+03	4.329E+03	3.740E+03
ADS_ON_SOIL	2.724E+05	2.831E+05	2.378E+05	2.002E+05	2.215E+05	2.168E+05	2.138E+05
IN_SOIL_AIR	2.512E+03	2.220E+03	1.365E+03	1.273E+03	1.460E+03	1.595E+03	1.690E+03
	1.810E+03	1.841E+03	1.849E+03	1.657E+03	1.458E+03		

SUBLAYER 2

DEGRAD_MOIS	8.239E+02	8.042E+02	1.042E+03	1.162E+03	1.070E+03	9.579E+02	8.519E+02
IN_SOIL_MOI	2.353E+02	2.549E+02	6.236E+02	3.947E+03	3.606E+03	3.222E+03	2.852E+03
ADS_ON_SOIL	2.450E+03	1.710E+03	1.276E+03	1.065E+03	1.580E+05	1.613E+05	1.630E+05
IN_SOIL_AIR	1.409E+05	1.438E+05	1.462E+05	1.540E+05	1.041E+03	1.187E+03	1.289E+03
	1.832E+05	1.624E+05	9.623E+04	8.991E+04			
	1.388E+03	1.416E+03	1.424E+03	1.446E+03	1.447E+03		

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	2.361E-05	2.302E-05	2.223E-05	2.137E-05	2.082E-05	2.037E-05	2.009E-05
%SOLUBILITY	4.412E-06	4.303E-06	4.155E-06	3.993E-06	3.891E-06	3.808E-06	3.756E-06
ADSORBED	7.736E-05	7.720E-05	7.430E-05	7.118E-05	7.911E-05	7.741E-05	7.636E-05
SOIL_AIR	7.595E-05	7.562E-05	7.332E-05	7.075E-05	5.728E-06	5.592E-06	5.423E-06
FREE_LIGAND	6.355E-06	6.205E-06	6.210E-06	6.586E-06	2.450E+01	2.800E+01	3.197E+01
	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 2

IMMOBILE CEC 2.176E-06 2.526E-06 2.605E-06 2.705E-06 2.776E-06 2.834E-06 2.864E-
06 2.887E-06
ADSORBED 5.643E-05 5.761E-05 5.823E-
05 5.878E-05
CEC 4.110E-06 4.059E-06 4.080E-06 4.102E-06 4.136E-
06 4.175E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 7.886E+01 7.980E+01 8.124E+01 8.308E+01 8.433E+01 8.535E+01 8.595E+
01 8.610E+01 8.615E+01 8.617E+01 8.618E+01 8.622E+01

1 YEAR - 11 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.041
TOTAL PRECIPITATION (CM) 4.000
TOTAL INFILTRATION (CM) 4.000
TOTAL EVAPOTRANSPIRATION (CM) 2.154
TOTAL SURFACE RUNOFF (CM) 1.846
TOTAL GW RUNOFF (CM) 0.000
TOTAL MOISTURE RETENTION (CM) 1.000
TOTAL YIELD (CM) 3.000

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI - ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 4.704E+04
TOTAL DEGRADED (MOISTURE) 1.413E+04

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 9.833E+03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.033E-05
ADSORBED SOIL (UG/G)	7.720E-03
SOIL AIR (UG/ML)	5.477E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.474E-05
ADSORBED SOIL (UG/G)	5.599E-03
SOIL AIR (UG/ML)	3.972E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	8.627E-01

1

YEAR -12 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	8.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	8.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	7.328	2.775	5.729	8.234	10.311	7.148	6.128	3.0				
NET INFILT. (CM)	7.298	2.683	5.660	8.158	10.185	7.087	6.101	3.0				
EVAPOTRANS. (CM)	0.634	1.815	3.271	1.717	2.139	4.277	5.468	3.0				
MOIS. RSTEN (CM)	0.311	0.411	1.337	1.647	0.606	-0.932	-0.948	-0.0				
SUR. RUNOFF (CM)	0.030	0.013	0.049	0.075	0.126	0.051	0.026	0.0				
GRW. RUNOFF (CM)	0.082	0.057	1.122	4.870	7.565	3.803	1.567	0.0				
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.005	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 [illegible] [illegible] [illegible]
00 0.000E+00 0.000E+00 0.000E+00 [illegible] 9.845E+02 3.412E+03 7.338E+
DEGRAD MOIS [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
02 5.154E+03 5.739E+02 [illegible] [illegible] 3.238E+03 2.772E+03 2.305E+
IN SOIL [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
03 2.844E+03 1.998E+03 [illegible] [illegible] [illegible] [illegible] [illegible]
ADS ON SOIL [illegible] [illegible] [illegible] [illegible] 1.418E+05 1.388E+05 1.369E+
05 1.362E+05 1.356E+05 1.350E+05 1.345E+05 [illegible] [illegible] [illegible]
IN SOIL AIR [illegible] [illegible] [illegible] [illegible] 9.349E+02 1.022E+03 1.082E+
03 1.159E+03 1.179E+03 1.184E+03 1.102E+03 1.017E+03 [illegible] [illegible]

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 [illegible] 1.162E+03 1.029E+03 9.084E+
DEGRAD MOIS 7.194E+02 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
02 7.814E+03 2.317E+03 [illegible] [illegible] 3.895E+03 3.445E+03 3.033E+
IN SOIL MOI 2.402E+03 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
03 2.602E+03 2.433E+03 [illegible] [illegible] 1.706E+05 1.725E+05 1.734E+
ADS ON SOIL 1.620E+05 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
05 1.733E+05 1.726E+05 1.720E+05 1.715E+05 [illegible] [illegible] [illegible]
IN SOIL AIR 1.383E+03 [illegible] [illegible] [illegible] 1.125E+03 1.270E+03 1.871E+
03 1.475E+03 1.503E+03 1.511E+03 1.489E+03 1.438E+03 [illegible] [illegible]

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.512E-05 1.474E-05 1.424E-05 1.368E-05 1.333E-05 1.305E-05 1.287E-
05 1.280E-05 1.274E-05 1.268E-05 [illegible] [illegible] [illegible] [illegible]
SOLUBILITY 2.826E-06 2.361E-06 2.372E-06 2.168E-06 2.492E-06 2.436E-06 2.405E-
06 2.382E-06 2.361E-06 2.342E-06 2.326E-06 5.066E-05 4.957E-05 4.889E-
ADSORBED 5.744E-05 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
05 4.853E-05 4.842E-05 4.832E-05 4.823E-05 3.668E-06 3.581E-06 3.473E-
SOIL AIR 4.035E-06 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
06 3.429E-06 3.387E-06 3.350E-06 3.318E-06 2.450E+01 2.800E+01 3.197E+
FREE LIGAND 3.772E+01 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 [illegible] [illegible]

SUBLAYER 2

MOISTURE 1.523E-05 1.534E-05 1.554E-05 1.583E-05 1.604E-05 1.621E-05 1.630E-
05 1.629E-05 1.624E-05 1.620E-05 [illegible] [illegible] [illegible] [illegible]
SOLUBILITY 2.846E-06 2.868E-06 2.904E-06 2.958E-06 2.998E-06 3.030E-06 3.046E-
06 3.045E-06 3.038E-06 3.034E-06 [illegible] [illegible] [illegible] [illegible]
ADSORBED 5.786E-05 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
05 5.190E-05 5.175E-05 5.163E-05 5.153E-05 6.095E-05 6.161E-05 6.192E-
SOIL AIR 4.067E-06 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
06 4.356E-06 4.318E-06 4.285E-06 4.121E-06 4.413E-06 4.451E-06 4.398E-
FREE LIGAND 3.772E+01 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 [illegible] [illegible]

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 [illegible] [illegible]

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 [illegible] [illegible]

SOIL ZONE 2:

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-93-5077; Alameda Co. GSA	Date Sampled: 08/14/93
		Date Received: 08/16/93
	Client Contact: Bart Miller,Pete Kinney	Date Extracted: 08/17/93
	Client P.O: Alameda County 6-93-5036	Date Analyzed: 08/17/93

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)⁻	% Recovery Surrogate
31725	SP-43	S	14,g	110
31726	SP-44	S	26,d/c?	105
31727	SP-45	S	ND	106
31728	SP-46	S	ND	103
31729	SP-47	S	25,g	110
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline

⁻ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light(C_L) or heavy(C_H) diesel compounds are significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(Stoddards solvent?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

LOWER SOIL ZONE:

POL DEP CN 8.670E+01 8.764E+01 8.908E+01 9.093E+01 9.217E+01 9.319E+01 9.379E+01 9.395E+01 9.395E+01 9.401E+01 9.402E+01 9.411E+01

YEAR = 12 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.841
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.542
TOTAL EVAPOTRANSPIRATION (CM)	25.546
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	19.501
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI__ADS_ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	3.130E+04
TOTAL DEGRADED (MOISTURE)	9.088E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.083E+04
TOTAL DEGRADED (MOISTURE)	1.068E+04

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE; ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.313E-05
ADSORBED SOIL (UG/G)	4.989E-05
SOIL AIR (UG/ML)	3.385E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.583E-05
ADSORBED SOIL (UG/G)	6.017E-05
SOIL AIR (UG/ML)	4.082E-05
FREE LIGAND (UG/ML)	3.380E+01

FREE LIGAND (UG/ML) 3.000E-01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.000E-01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.411E-01

YEAR -13 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213				13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213				13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	2.328	2.712	5.729	8.234				10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	2.298	2.663	5.680	8.158				10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	1.634	1.915	3.271	1.717				2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.524	0.311	0.684	1.387	1.647				0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	4.793				7.440	3.752	1.580	0.5
GRW. RUNOFF (CM)	0.084	-0.025	0.054	1.073	4.870				7.565	3.803	1.607	0.6
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997				0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997				0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	5.025E+02	4.498E+02	4.805E+02	7.157E+02	1.129E+03				6.376E+02	5.875E+02	5.056E+	
IN SOIL MOI	1.133E+03	1.014E+03	1.085E+03	1.615E+03	2.548E+03				2.261E+03	1.936E+03	1.672E+	
ADS ON SOIL	1.123E+05	1.005E+05	1.075E+05	1.601E+05	1.017E+05				9.906E+04	9.694E+04	9.562E+	
IN SOIL AIR	8.588E+02	8.279E+02	8.641E+02	1.287E+03	2.030E+03				6.529E+02	7.135E+02	7.559E+	

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	1.143E+03	1.023E+03	1.093E+03	1.627E+03	2.567E+03				1.128E+03	9.942E+02	8.748E+	
IN SOIL MOI	2.576E+03	2.305E+03	2.466E+03	3.671E+03	5.793E+03				3.771E+03	3.321E+03	2.917E+	

05 1.441E+05 1.444E+05 1.452E+05 1.398E+05 1.327E+05

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.056E-05 1.030E-05 9.941E-06 9.556E-06 9.311E-06 9.111E-06 8.987E-06 8.230E-06 8.000E-06 7.850E-06 8.052E-06 7.885E-06 7.740E-06
%SOLUBILITY 1.743E-06 1.694E-06 1.634E-06 1.572E-06 1.530E-06 1.740E-06 1.703E-06 1.680E-06 1.661E-06 1.625E-06 1.597E-06 1.582E-06 1.565E-06
ADSORBED 3.538E-05 3.462E-05 3.415E-05 3.397E-05 3.384E-05 3.372E-05 3.360E-05 3.348E-05 3.337E-05 3.326E-05 3.315E-05 3.304E-05 3.293E-05
SOIL AIR 2.562E-05 2.501E-05 2.425E-05 2.375E-05 2.338E-05 2.317E-05 2.298E-05 2.279E-05 2.261E-05 2.243E-05 2.225E-05 2.208E-05 2.191E-05
FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 1.553E-05 1.563E-05 1.568E-05 1.566E-05 1.555E-05 1.540E-05 1.523E-05 1.510E-05 1.502E-05 1.496E-05 1.491E-05 1.486E-05 1.481E-05
%SOLUBILITY 2.902E-06 2.922E-06 2.930E-06 2.927E-06 2.906E-06 2.877E-06 2.847E-06 2.822E-06 2.807E-06 2.795E-06 2.786E-06 2.777E-06 2.768E-06
ADSORBED 5.900E-05 5.940E-05 5.957E-05 5.951E-05 5.911E-05 5.855E-05 5.795E-05 5.748E-05 5.719E-05 5.695E-05 5.677E-05 5.659E-05 5.641E-05
SOIL AIR 4.271E-06 4.291E-06 4.231E-06 4.196E-06 4.151E-06 4.091E-06 4.034E-06 3.990E-06 3.966E-06 3.946E-06 3.931E-06 3.916E-06 3.901E-06
FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 9.454E+01 9.548E+01 9.692E+01 9.877E+01 1.000E+02 1.010E+02 1.016E+02 1.018E+02 1.018E+02 1.018E+02 1.019E+02 1.020E+02

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

TOTAL INFILTRATION (CM) 45.542
TOTAL EVAPOTRANSPIRATION (CM) 26.515
TOTAL SURFACE RUNOFF (CM) 18.956
TOTAL GRW RUNOFF (CM) 0.000
TOTAL MOISTURE RETENTION (CM) 19.523
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL SOIL AIR IMMOBIL CEC COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 2.296E+04
TOTAL DEGRADED (MOISTURE) 6.379E+03
SUBLAYER 2
TOTAL DIFFUSED (UP) 1.673E+04
TOTAL DEGRADED (MOISTURE) 1.035E+04
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 9.265E-06
ADSORBED SOIL (UG/G) 3.521E-05
SOIL AIR (UG/ML) 2.294E-06
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 1.527E-05
ADSORBED SOIL (UG/G) 5.802E-05
SOIL AIR (UG/ML) 3.780E-06
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. POLL. DEPTH (M) 1.020E+00

1

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	7.221	7.605	9.659	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.605	7.221	7.605	9.659	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	2.775	0.328	0.120	0.135	0.598	10.311	7.148	6.128	3.6
NET INFILT. (CM)	2.663	0.298	0.106	0.124	0.566	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.915	0.634	0.411	0.463	0.722	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.684	0.311	0.218	0.202	0.016	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.113	0.030	0.013	0.011	0.033	0.126	0.051	0.028	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.087	0.137	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.177	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	0.998	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	0.998	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
UPPER SOIL ZONE:									
SUBLAYER 1									
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD.MOIS	3.834E+02	4.902E+02	5.583E+02	5.106E+02	5.273E+02	4.506E+02	3.878E+
IN SOIL MOI	1.774E+03	1.998E+03	2.177E+03	1.998E+03	1.734E+03	1.485E+03	1.283E+
ADS ON SOIL	8.402E+04	8.112E+04	7.787E+04	7.787E+04	7.598E+04	7.435E+04	7.334E+
IN SOIL AIR	6.344E+02	6.424E+02	6.333E+02	5.006E+02	5.472E+02	5.798E+
SUBLAYER 2									
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD.MOIS	1.320E+03	1.706E+03	1.941E+03	1.775E+03	1.834E+03	1.567E+03	1.349E+
IN SOIL MOI	6.170E+03	6.947E+03	7.570E+03	6.947E+03	6.031E+03	5.164E+03	4.461E+
ADS ON SOIL	2.923E+05	2.821E+05	2.708E+05	2.708E+05	2.642E+05	2.585E+05	2.550E+
IN SOIL AIR	2.207E+03	2.234E+03	2.202E+03	1.741E+03	1.903E+03	2.016E+
SUBLAYER 3									
SUBLAYER 4									
SOIL ZONE 2:									
SUBLAYER 1									
SUBLAYER 2									
SUBLAYER 3									
SUBLAYER 4									

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.097E-06 7.887E-06 7.625E-06 7.328E-06 7.141E-06 6.988E-06 6.893E-
06 6.836E-06 6.826E-06 6.800E-06 6.763E-06 6.655E-06
%SOLUBILITY 1.513E-06 1.476E-06 1.462E-06 1.437E-06 1.335E-06 1.306E-06 1.286E-
06 1.281E-06 1.276E-06 1.271E-06 1.264E-06 1.244E-06
ADSORBED 3.077E-05 3.001E-05 2.958E-05 2.870E-05 2.714E-05 2.655E-05 2.619E-
05 2.605E-05 2.594E-05 2.584E-05 2.570E-05 2.528E-05
SOIL AIR 2.153E-06 2.135E-06 2.084E-06 2.023E-06 1.965E-06 1.916E-06 1.880E-
06 1.857E-06 1.847E-06 1.827E-06 1.777E-06 1.750E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 1.392E-05 1.394E-05 1.398E-05 1.409E-05 1.417E-05 1.425E-05 1.427E-
05 1.425E-05 1.421E-05 1.416E-05 1.427E-05 1.434E-05
%SOLUBILITY 2.603E-06 2.605E-06 2.613E-06 2.633E-06 2.649E-06 2.663E-06 2.668E-
06 2.664E-06 2.656E-06 2.647E-06 2.669E-06 2.681E-06
ADSORBED 5.296E-05 5.302E-05 5.318E-05 5.356E-05 5.386E-05 5.413E-05 5.424E-
05 5.416E-05 5.400E-05 5.382E-05 5.427E-05 5.453E-05
SOIL AIR 3.708E-06 3.721E-06 3.762E-06 3.809E-06 3.899E-06 3.911E-06 3.852E-
06 3.819E-06 3.806E-06 3.772E-06 3.677E-06 3.626E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.024E+02 1.033E+02 1.048E+02 1.066E+02 1.078E+02 1.089E+02 1.095E+
02 1.096E+02 1.097E+02 1.097E+02 1.097E+02 1.098E+02
1

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	45.547
TOTAL EVAPOTRANSPIRATION (CM)	25.445
TOTAL SURFACE RUNOFF (CM)	20.042
TOTAL GRW RUNOFF (CM)	1.996
TOTAL MOISTURE RETENTION (CM)	19.504
TOTAL YIELD (CM)	19.541

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

TOTAL DIFFUSED (UP) 1.758E+04

TOTAL DEGRADED (MOISTURE) 9.452E+03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 7.156E-06
ADSORBED SOIL (UG/G) 2.719E-05
SOIL AIR (UG/ML) 1.926E-09
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.887E-05
ADSORBED SOIL (UG/G) 5.288E-05
SOIL AIR (UG/ML) 3.748E-09
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.098E+00

YEAR -15 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
MOIS. IN L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9	7.701	7.221			
MOIS. BELOW L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9	7.701	7.221			
PRECIPITATION (CM)	2.775	5.729	8.234	10.311	7.148	6.128	3.6	2.955	0.328			
PET (CM)	2.775	5.729	8.234	10.185	7.097	6.101	3.6					

24	SUR. RUNOFF (CM)	0.311	0.218	0.202	0.016	0.126	0.051	0.026
1	GRW. RUNOFF (CM)	0.030	0.013	0.041	0.053	7.440	3.752	1.580
98	YIELD (CM)	0.025	0.054	0.137	0.141	7.565	3.803	1.607
13		0.039	0.087	0.122	0.103			
		0.005	-0.074	-0.126				
	PAU/MPA (GZU)		0.998	0.996	0.997	0.995	1.010	1.008
99	PA/MPA (GZ)	1.005	1.087	1.123	0.997	0.995	1.010	1.008
99		1.056	1.059	1.087	1.123			

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	7.488E+03	7.579E+03			
DEGRAD_MOIS	3.136E+02	3.307E+02	4.278E+02	4.787E+02	4.970E+02	4.291E+02	3.666E+02	3.155E+
02	2.682E+02	2.501E+02	2.375E+02	2.278E+02	2.268E+02			
IN_SOIL_MOI	1.030E+03	1.259E+03	1.572E+03	1.626E+03	1.599E+03	1.411E+03	1.208E+03	1.044E+
03	8.909E+02	8.318E+02	7.900E+02	7.445E+02	7.399E+02			
ADS_ON_SOIL	7.010E+04	6.836E+04	6.801E+04	6.801E+04	6.824E+04	6.182E+04	6.049E+04	5.967E+
04	5.835E+04	5.809E+04	5.868E+04	5.967E+04	5.952E+04			
IN_SOIL_AIR	5.888E+02	5.180E+02	4.745E+02	3.705E+02	3.952E+02	4.075E+02	4.452E+02	4.717E+
02	5.052E+02	5.137E+02	5.181E+02	5.327E+02	5.324E+02			

SUBLAYER 2

DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	1.873E+03	1.754E+03			
DEGRAD_MOIS	5.881E+02	5.478E+02	5.403E+02	4.787E+02	4.623E+02	9.177E+02	8.068E+02	7.085E+
04	6.060E+02	5.884E+02	5.403E+02	4.787E+02	4.623E+02			
IN_SOIL_MOI	1.033E+03	2.497E+03	3.178E+03	3.500E+03	3.432E+03	3.064E+03	2.692E+03	2.361E+
03	2.023E+03	1.892E+03	1.785E+03	1.600E+03	1.486E+03			
ADS_ON_SOIL	1.344E+05	1.335E+05	1.327E+05	1.327E+05	1.335E+05	1.342E+05	1.348E+05	1.350E+
05	1.348E+05	1.344E+05	1.330E+05	1.249E+05	1.170E+05			
IN_SOIL_AIR	1.130E+03	1.001E+03	8.332E+02	7.797E+02	8.847E+02	9.921E+02	1.067E+
03	1.147E+03	1.168E+03	1.174E+03	1.115E+03	1.046E+03			

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	6.588E-06	6.425E-06	6.204E-06	5.963E-06	5.810E-06	5.686E-06	5.608E-
06 5.758E-06							
SOLUBILITY	1.144E-06	1.115E-06	1.076E-06	1.034E-06	1.007E-06	1.086E-06	1.063E-06 1.043E-
06 1.026E-06	1.003E-06	1.038E-06	1.034E-06	1.042E-06	1.046E-06		
ADSORBED	2.710E-05	2.642E-05	2.550E-05	2.452E-05	2.388E-05	2.208E-05	2.161E-05 2.131E-
05 2.108E-05	2.078E-05	2.118E-05	2.102E-05	2.118E-05	2.126E-05		
SOIL AIR	1.760E-06	1.738E-06	1.695E-06	1.646E-06	1.617E-06	1.598E-06	1.561E-06 1.514E-
06 1.494E-06	1.478E-06	1.454E-06	1.472E-06	1.471E-06	1.471E-06		
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	1.245E-05	1.245E-05	1.247E-05	1.255E-05	1.261E-05	1.267E-05	1.269E-
05 1.267E-05	1.263E-05	1.259E-05	1.174E-05	1.098E-05			
SOLUBILITY	2.327E-06	2.327E-06	2.331E-06	2.345E-06	2.358E-06	2.368E-06	2.371E-
06 2.368E-06	2.361E-06	2.353E-06	2.194E-06	2.052E-06			
ADSORBED	4.730E-05	4.731E-05	4.739E-05	4.768E-05	4.794E-05	4.814E-05	4.821E-
05 4.814E-05	4.799E-05	4.784E-05	4.461E-05	4.176E-05			
SOIL AIR	3.357E-06	3.309E-06	3.409E-06	3.465E-06	3.471E-06	3.478E-06	3.424E-
06 3.394E-06	3.357E-06	3.309E-06	3.085E-06	2.881E-06			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.102E+02	1.112E+02	1.126E+02	1.145E+02	1.157E+02	1.167E+02	1.173E+
02 1.175E+02	1.175E+02	1.175E+02	1.175E+02	1.175E+02	1.178E+02		

YEAR - 15 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	46.089
TOTAL EVAPOTRANSPIRATION (CM)	26.546
TOTAL SURFACE RUNOFF (CM)	18.542
TOTAL GRW RUNOFF (CM)	1.000
TOTAL MOISTURE RETENTION (CM)	19.001
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI__ ADS__ ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PORE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.507E+04
TOTAL DEGRADED (MOISTURE)	4.883E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.659E+04
TOTAL DEGRADED (MOISTURE)	8.414E+03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	5.846E-06
ADSORBED SOIL (UG/G)	2.221E-05
SOIL AIR (UG/ML)	1.574E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.238E-05
ADSORBED SOIL (UG/G)	4.703E-05
SOIL AIR (UG/ML)	3.331E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.176E+00

YEAR -16 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.965	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.965	0.328	2.120	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.961	0.298	2.663	5.124	8.156	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	1.700	1.634	1.916	3.271	1.717	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.824	0.311	0.411	0.463	0.722	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.030	0.684	1.337	1.647	7.440	3.752	1.580	0.5
YIELD (CM)	0.084	-0.025	0.138	0.202	-0.016	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	0.089	0.005	0.013	0.049	0.075				
PA/MPA (GZU)	1.006	1.059	0.084	0.011	0.033				
	1.006	1.059	0.087	0.073	0.795				
			0.177	0.137	4.870				
			-0.074	-0.122	-0.108				
			0.998	0.996	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997				
			0.998	0.996	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (G) --

```
PRECIP      0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
LOAD_UPPER  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
LOAD_ZONE   0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
LOAD_ZONE   0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
LOAD_LOWER  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+

TOTAL INPUT 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
-----------------------------------

     UPPER SOIL ZONE:
          SUBLAYER  1

VOLATILIZED 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  5.290E+03  6.352E+03  3.609E+02  3.084E+02  2.653E+
 DEGRAD MOIS 2.634E+02  3.588E+02  4.028E+02  4.913E+02  4.918E+02  1.187E+03  1.016E+03  8.777E+
02 2.256E+02  2.104E+02  1.998E+02  1.913E+02  1.916E+02  5.199E+04  5.088E+04  5.018E+
 IN SOIL MOI 8.740E+02  1.084E+03  1.322E+03  1.368E+03  1.368E+03  1.151E+05  1.137E+05  1.127E+
03 7.484E+02  5.995E+02  6.943E+02  6.414E+02  5.336E+02  7.586E+02  8.386E+02  8.911E+
 ADS ON SOIL 5.895E+04  5.750E+04  5.552E+04  5.336E+04  5.199E+04
04 4.892E+04  4.870E+04  4.951E+04  5.006E+04  5.084E+04
 IN SOIL AIR 5.032E+02  4.345E+02  3.486E+02  3.116E+02  3.427E+02  3.745E+02  3.967E+
02 4.249E+02  4.321E+02  4.341E+02  4.469E+02  4.458E+02

          SUBLAYER  2

 DIFFUSED UP 0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
 0.000E+00  0.000E+00  0.000E+00  7.284E+03  9.307E+03  7.948E+02  6.858E+02  5.944E+
 DEGRAD MOIS 2.734E+02  3.588E+02  4.028E+02  4.913E+02  4.918E+02  2.627E+03  2.270E+03  1.972E+
03 2.071E+02  1.730E+02  1.498E+02  1.332E+02  1.241E+02  1.151E+05  1.137E+05  1.127E+
 ADS ON SOIL 1.675E+03  1.457E+03  1.332E+03  1.241E+03  1.151E+05
05 1.123E+05  1.119E+05  1.114E+05  1.097E+05  9.771E+04
 IN SOIL AIR 9.963E+02  8.819E+02  7.337E+02  6.625E+02  7.586E+02  8.386E+02  8.911E+
02 9.559E+02  9.726E+02  9.772E+02  9.278E+02  8.694E+02

          SUBLAYER  3

 DEGRAD MOIS 0.000E+00  0.000E+00  0.000E+00  4.536E-01  1.240E+01  2.356E+01  2.841E+
01 2.736E+01  2.633E+01  2.531E+01  2.432E+01  2.463E+01  6.720E+01  9.677E+01  1.038E+
 IN SOIL MOI 0.000E+00  0.000E+00  0.000E+00  1.511E+01  6.720E+01  9.677E+01  1.038E+
02 8.306E+01  8.824E+01  9.487E+01  1.087E+02  1.094E+02  2.944E+03  4.845E+03  5.933E+
 ADS ON SOIL 0.000E+00  0.000E+00  0.000E+00  0.000E+00  1.094E+02
03 6.702E+03  6.287E+03  6.301E+03  6.350E+03  6.500E+03  1.940E+01  3.566E+01  4.690E+
 IN SOIL AIR 0.000E+00  0.000E+00  0.000E+00  1.242E+00  1.940E+01  3.566E+01  4.690E+
01 5.277E+01  5.449E+01  5.525E+01  5.669E+01  5.821E+01

          SUBLAYER  4

     SOIL ZONE 2:
          SUBLAYER  1

          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

          SUBLAYER  5

          SUBLAYER  6

     SOIL ZONE 3:
          SUBLAYER  1

     LOWER SOIL ZONE:
          SUBLAYER  1

          SUBLAYER  2


-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --
-----------------------------------------------

     UPPER SOIL ZONE:
          SUBLAYER  1

MOISTURE    5.541E-06  5.404E-06  5.218E-06  5.015E-06  4.887E-06  4.782E-06  4.716E-
06 4.682E-06  4.671E-06  4.695E-06  1.753E-07  1.974E-07  9.134E-07  8.938E-07  8.815E-
07 [illegible]
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05 1.257E-06 1.242E-06 1.223E-06 1.237E-06 1.232E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

          SUBLAYER  2

MOISTURE  1.087E-05 1.097E-05 1.088E-05 1.099E-05 1.083E-05 1.058E-05 1.059E-
05 4.055E-05 2.051E-05 2.050E-05 3.054E-05 3.054E-05 2.022E-06 1.997E-06 1.980E-
%SOLUBILITY 2.954E-06 2.958E-06 2.958E-06 4.326E-06 4.707E-05 4.111E-05 4.059E-05 4.020E-
06 8.720E-06 4.168E-05 4.158E-05 4.173E-05 4.175E-05
ADSORBED  4.011E-05 3.995E-05 3.980E-05 3.993E-05 3.977E-05 2.976E-06 2.933E-06 2.859E-
05 4.011E-05 3.995E-05 3.980E-05 3.993E-05 3.977E-05
SOIL AIR  2.930E-06 2.967E-06 3.001E-06 3.033E-06
06 2.828E-06 2.795E-06 2.752E-06 2.567E-06 2.402E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

          SUBLAYER  3

MOISTURE  0.000E+00 0.000E+00 0.000E+00 5.540E-08 2.767E-07 4.554E-07 5.576E-
07 5.826E-07 5.830E-07 5.822E-07 5.868E-07 6.117E-07
%SOLUBILITY 0.000E+00 0.000E+00 0.000E+00 1.036E-08 5.172E-08 8.512E-08 1.042E-
07 1.088E-07 1.101E-07 1.087E-07 1.116E-07 1.143E-07
ADSORBED  0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.105E-07 1.051E-06 1.731E-06 2.119E-
06 2.214E-06 2.238E-06 2.250E-06 2.268E-06 2.324E-06
SOIL AIR  0.000E+00 0.000E+00 0.000E+00 1.529E-08 7.612E-08 1.250E-07 1.505E-
07 1.561E-07 1.566E-07 1.556E-07 1.588E-07 1.600E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

          SUBLAYER  4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

     SOIL ZONE 2:

     SOIL ZONE 3:

     LOWER SOIL ZONE:

POR DEP CM  1.181E+02 1.190E+02 1.204E+02 1.223E+02 1.235E+02 1.246E+02 1.252E+
02 1.253E+02 1.254E+02 1.254E+02 1.254E+02 1.255E+02
1
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YEAR = 16 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.089
TOTAL EVAPOTRANSPIRATION (CM)	26.542
TOTAL SURFACE RUNOFF (CM)	18.546
TOTAL GW RUNOFF (CM)	18.546
TOTAL MOISTURE RETENTION (CM)	18.001
TOTAL YIELD (CM)	18.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI, ADS, ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.264E+04
TOTAL DEGRADED (MOISTURE)	3.366E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.369E+04
TOTAL DEGRADED (MOISTURE)	7.214E+03

SUBLAYER 3

TOTAL DEGRADED (MOISTURE)	1.928E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS - NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.914E-06
ADSORBED SOIL (UG/G)	1.867E-05
SOIL AIR (UG/ML)	1.323E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.054E-05
ADSORBED SOIL (UG/G)	4.004E-05
SOIL AIR (UG/ML)	2.837E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.598E-07
ADSORBED SOIL (UG/G)	1.367E-06
SOIL AIR (UG/ML)	9.688E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.255E+00

YEAR -17 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	2.328	2.663	5.680	8.159	10.185	7.097	6.101	3.6
NET INFILT. (CM)	0.961	2.298	1.915	3.271	1.717	2.139	4.277	5.469	3.8
EVAPOTRANS. (CM)	1.000	0.634	0.411	0.463	0.722	0.606	-0.932	-0.948	-0.8
MOIS. RETEN (CM)	-0.824	0.311	0.684	1.336	1.647	0.126	0.051	0.026	0.0
SUR. RUNOFF (CM)	0.000	0.030	0.218	0.202	0.016	0.075	0.023	0.025	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.113	0.049	0.075	7.440	3.752	1.580	0.8
YIELD (CM)	0.089	0.005	0.064	0.073	0.053	7.565	3.803	1.607	0.8
PAU/MPA (GZU)	1.005	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZU)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR

LOAD UPPER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00
LOAD ZONE 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00
LOAD SOIL 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00
LOAD LOWER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00
TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00
DEGRAD MOIS 2.208E+02 2.751E+02 3.370E+02 3.499E+02 3.021E+02 2.581E+02 2.221E+
02 1.888E+02
IN SOIL MOI 1.761E+02 1.672E+02 1.587E+02 1.567E+02 9.934E+02 8.505E+02 7.347E+
02 6.271E+02
ADS ON SOIL 4.935E+04 4.813E+04 4.647E+04 4.465E+04 4.352E+04 4.259E+04 4.200E+
04 4.177E+04
IN SOIL AIR 4.213E+02 3.837E+02 2.918E+02 2.608E+02 2.869E+02 3.135E+02 3.320E+
02 3.556E+02

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00
DEGRAD MOIS 4.299E+02 5.392E+02 6.886E+02 7.024E+02 6.164E+02 5.322E+02 4.615E+
02 3.938E+02
IN SOIL MOI 3.427E+02 3.292E+02 3.215E+02 3.002E+02 2.038E+03 1.762E+03 1.531E+
03 1.309E+03
ADS ON SOIL 9.832E+04 9.688E+04 9.478E+04 9.261E+04 8.929E+04 8.823E+04 8.753E+
04 8.720E+04
IN SOIL AIR 8.221E+02 7.167E+02 5.426E+02 4.961E+02 5.886E+02 6.494E+02 6.920E+
02 7.423E+02

SUBLAYER 3

DEGRAD MOIS 8.039E+01 4.445E+01 6.681E+01 9.261E+01 9.764E+01 9.497E+01 8.895E+
01 7.848E+01
IN SOIL MOI 1.394E+01 1.047E+01 5.724E+01 3.417E+01 3.446E+02 3.300E+02 3.030E+
02 2.827E+02
ADS ON SOIL 7.143E+03 8.550E+03 1.067E+04 1.238E+04 1.510E+04 1.652E+04 1.732E+
04 1.780E+04
IN SOIL AIR 6.097E+01 6.423E+01 6.698E+01 7.784E+01 9.950E+01 1.216E+02 1.369E+
02 1.489E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.639E-06 4.524E-06 4.368E-06 4.198E-06 4.091E-06 4.003E-06 3.948E-
06 3.925E-06
%SOLUBILITY 8.870E-07 8.655E-07 8.355E-07 8.034E-07 7.847E-07 7.682E-07 7.579E-
07 7.539E-07
ADSORBED 1.762E-05 1.718E-05 1.656E-05 1.589E-05 1.554E-05 1.521E-05 1.500E-
05 1.492E-05

01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 9.052E-06 8.912E-06 8.720E-06 8.517E-06 8.392E-06 8.293E-06 8.227E-
05 8.186E-06 8.164E-06 8.135E-06 7.613E-06 7.142E-06 1.569E-06 1.550E-06 1.533E-
SOLUBILITY 1.534E-06 1.526E-06 1.520E-06 1.430E-06 1.355E-06
06 1.326E-05 1.102E-05 1.038E-05 9.814E-06 9.298E-06 9.114E-06 9.151E-06 9.126E-
ADSORBED 3.440E-05 3.387E-05 3.314E-05 3.236E-05 3.189E-05
05 2.196E-06 2.418E-06 2.411E-06 2.388E-06 2.354E-06 2.309E-06 2.276E-06 2.220E-
SOIL AIR 2.418E-06 2.170E-06 2.138E-06 2.001E-06 1.876E-06
06 2.196E-06 2.170E-06 2.138E-06 2.001E-06 1.876E-06 2.450E+01 2.800E+01 3.197E+
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

MOISTURE 6.714E-07 8.036E-07 1.003E-06 1.253E-06 1.419E-06 1.553E-06 1.628E-
05 1.644E-06 1.644E-06 1.643E-06 1.644E-06 1.651E-06
SOLUBILITY 1.255E-07 1.502E-07 1.874E-07 2.342E-07 2.652E-07 2.903E-07 3.043E-
07 3.074E-07 3.076E-07 3.072E-07 3.073E-07 3.086E-07
ADSORBED 3.551E-06 4.254E-06 5.310E-06 6.636E-06 7.516E-06 8.227E-06 8.186E-
06 6.249E-06 6.253E-06 6.245E-06 6.247E-06 6.276E-06
SOIL AIR 1.793E-07 2.174E-07 2.740E-07 3.458E-07 3.903E-07 4.263E-07 4.394E-
07 4.406E-07 4.375E-07 4.320E-07 4.321E-07 4.342E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.259E+02 1.268E+02 1.283E+02 1.301E+02 1.314E+02 1.324E+02 1.330E+
02 1.332E+02 1.332E+02 1.332E+02 1.332E+02 1.333E+02

1 YEAR = 17 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	45.542
TOTAL EVAPOTRANSPIRATION (CM)	27.546
TOTAL SURFACE RUNOFF (CM)	15.996
TOTAL LOW RUNOFF (CM)	1.996
TOTAL MOISTURE RETENTION (CM)	18.001
TOTAL YIELD (CM)	18.542

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI, ADS, ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.042E+04
TOTAL DEGRADED (MOISTURE)	2.813E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.011E+04
TOTAL DEGRADED (MOISTURE)	5.885E+03

SUBLAYER 3

TOTAL DEGRADED (MOISTURE)	8.751E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

NET INFILT. (CM)	0.298	0.106	0.124	0.556	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.634	0.411	0.363	0.722	2.139	4.277	5.489	-3.8
MOIS. RETEN (CM)	0.311	0.684	0.337	0.016	0.606	0.932	0.948	-0.8
SUR. RUNOFF (CM)	0.030	0.218	0.049	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	-0.025	0.013	0.011	0.030	7.440	3.752	1.580	0.5
YIELD (CM)	0.005	0.064	0.067	0.141	7.565	3.303	1.307	0.6
PAU/MPA (GZU)	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	1.755E+03	2.186E+03	2.678E+03	2.781E+03	2.401E+03	2.051E+03	1.765E+
IN_SOIL_MOI	1.401E+03	1.744E+03	2.138E+03	2.219E+03	7.896E+03	6.760E+03	5.840E+
ADS_ON_SOIL	4.395E+03	5.472E+03	6.715E+03	6.976E+03	3.459E+05	3.385E+05	3.339E+
IN_SOIL_AIR	3.321E+05	4.136E+05	5.093E+05	5.319E+05	2.280E+03	2.491E+03	2.639E+
	2.827E+03	2.875E+03	2.888E+03	2.588E+03	2.277E+03		

SUBLAYER 2

DEGRAD_MOIS	4.427E+02	5.853E+02	7.879E+02	9.193E+02	8.774E+02	8.048E+02	7.274E+
IN_SOIL_MOI	8.842E+02	1.169E+03	1.528E+03	1.360E+03	2.997E+03	2.734E+03	2.448E+
ADS_ON_SOIL	2.110E+03	2.788E+03	3.684E+03	4.422E+03	1.313E+05	1.369E+05	1.400E+
IN_SOIL_AIR	1.405E+05	1.857E+05	2.455E+05	2.944E+05	8.654E+02	1.008E+03	1.106E+
	1.196E+03	1.220E+03	1.228E+03	1.248E+03	1.251E+03		

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.147E+05
TOTAL DEGRADED (MOISTURE) 3.446E+04
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 4.684E+03
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 4.956E-05
ADSORBED SOIL (UG/G) 1.884E-02
SOIL AIR (UG/ML) 1.995E-05
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 7.480E-06
ADSORBED SOIL (UG/G) 2.842E-03
SOIL AIR (UG/ML) 2.009E-06
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. POLL. DEPTH (M) 7.058E-01

1

YEAR -10 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7,221		7,605	9,669	12,213	13.149	11.709	10.245	8.			

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.089E-06
ADSORBED SOIL (UG/G)	1.557E-05
SOIL AIR (UG/ML)	1.103E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	8.289E-06
ADSORBED SOIL (UG/G)	3.147E-05
SOIL AIR (UG/ML)	2.229E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.380E-05
ADSORBED SOIL (UG/G)	5.244E-05
SOIL AIR (UG/ML)	3.707E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.333E+00

1

YEAR -18 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.968	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	0.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	0.411	0.453	0.722	2.139	4.277	5.469	3.8
MOIS. RETN (CM)	-0.824	-0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.049	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.3
YIELD (CM)	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.008	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.008	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

1
G) -- -- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	8.888E+00	8.888E+00	8.888E+00	8.888E+00	8.888E+00	0.000E+00	0.000E+00	0.000E+00

00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

-- MAXIMUM DISTRIBUTION IN COLUMN (UG) - NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
00 0.000E+00	0.000E+00	0.000E+00	4.229E+03	4.184E+03	2.459E+02	2.101E+02	1.808E-
DEGRAD MOIS	1.787E+02	1.438E+02	1.268E+02	1.262E+02	8.086E+02	6.923E+02	5.980E-
02 1.537E+02	1.433E+02	1.382E+02	9.005E+02	9.318E+02			
IN SOIL MOI	5.355E+02	7.382E+02	2.265E+04	3.158E+04	3.542E+04	3.466E+04	3.419E-
02 5.104E+02	4.765E+02	4.244E+02	3.785E+04	3.535E+04			
ADS ON SOIL	4.017E+04	3.917E+04	3.726E+04	3.527E+04	2.335E+02	2.551E+02	2.703E-
04 3.200E+04	3.385E+04	3.371E+04	3.326E+04	3.123E+04			
IN SOIL AIR	3.428E+02	2.960E+02	2.875E+02	2.923E+02			
02 2.894E+02	2.943E+02	2.956E+02	2.971E+02	2.913E+02			

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
00 0.000E+00	0.000E+00	4.229E+03	4.064E+03	3.640E+03	4.828E+02	4.170E+02	3.617E-
DEGRAD MOIS	3.452E+02	2.611E+02	2.737E+02	2.523E+02	1.597E+03	1.361E+03	1.200E-
02 3.086E+02	2.861E+02	2.737E+02	1.729E+03	1.819E+03			
IN SOIL MOI	1.117E+03	1.588E+03	1.151E+05	7.631E+04	6.995E+04	6.814E+04	6.860E-
03 1.026E+03	9.564E+02	9.104E+02	8.151E+04	7.886E+04			
ADS ON SOIL	9.534E+04	7.418E+04	7.262E+04	7.086E+04	4.611E+02	5.089E+02	5.423E-
02 6.834E+04	6.808E+04	6.783E+04	6.361E+04	5.977E+04			
IN SOIL AIR	5.420E+02	4.607E+02	4.500E+02	4.143E+02			
02 5.818E+02	5.919E+02	5.948E+02	5.679E+02	5.348E+02			

SUBLAYER 3

DEGRAD MOIS	7.804E+01	1.045E+02	1.410E+02	1.655E+02	1.589E+02	1.462E+02	1.323E-
02 1.151E+02	1.080E+02	1.028E+02	9.788E+01	9.756E+01	5.436E+02	4.971E+02	4.457E-
IN SOIL MOI	2.850E+02	3.579E+02	4.884E+02	3.753E+02			
02 3.841E+02	3.598E+02	3.422E+02	3.263E+02	3.253E+02	2.382E+04	2.489E+04	2.548E-
ADS ON SOIL	1.798E+04	1.809E+04	2.021E+04	2.528E+04			
04 2.559E+04	2.580E+04	2.581E+04	2.546E+04	2.313E+04	1.570E+02	1.832E+02	2.014E-
IN SOIL AIR	1.535E+02	1.435E+02	1.288E+02	1.318E+02			
02 2.178E+02	2.222E+02	2.237E+02	2.273E+02	2.279E+02			

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	3.775E-06	3.682E-06	3.555E-06	3.417E-06	3.329E-06	3.258E-06	3.213E
05 3.185E-06	3.161E-06	3.156E-06	3.142E-06	3.061E-06	6.223E-07	6.090E-07	6.006E
SOLUBILITY	5.978E-07	5.882E-07	5.645E-07	5.556E-07			
07 5.973E-07	5.946E-07	5.935E-07	5.847E-07	5.729E-07	1.265E-05	1.238E-05	1.221E
ADSORBED	1.208E-05	1.192E-05	1.189E-05	1.176E-05			
05 1.212E-05	1.208E-05	1.204E-05	1.189E-05	1.176E-05	9.160E-07	8.944E-07	8.672D
TOTAL-LAYER	9.180E-07	8.985E-07	8.700E-07	8.421E-07			
07 8.5E+E-07	8.457E-07	8.407E-07	8.264E-07	8.106E-07	2.459E+01	2.800E+01	3.197

SUBLAYER 3

MOISTURE	1.691E-06	1.784E-06	1.928E-06	2.114E-06	2.238E-06	2.339E-06	2.395E-
0E-2.405E-06	2.402E-06	2.387E-06	2.393E-07	3.395E-07	4.184E-07	4.372E-07	4.476E-
SOLUBILITY	3.160E-07	3.335E-07	3.604E-07	3.951E-07			
07 4.485E-07	4.390E-07	4.481E-07	4.473E-07	4.276E-07	8.506E-06	8.889E-06	9.099E-
ADSORBED	6.423E-06	6.781E-06	7.325E-06	8.032E-06			
06 9.139E-06	9.128E-06	9.110E-06	9.095E-06	9.101E-06	6.158E-07	6.421E-07	6.463E-
SOIL AIR	4.518E-07	4.527E-07	4.526E-07	4.836E-07			
07 6.444E-07	6.308E-07	6.361E-07	6.290E-07	6.297E-07	2.450E+01	2.800E+01	3.197E+
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01			
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.337E+02	1.347E+02	1.361E+02	1.380E+02	1.392E+02	1.402E+02	1.408E+
02 1.410E+02	1.410E+02	1.411E+02	1.411E+02	1.412E+02			

1 YEAR - 18 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	46.089
TOTAL PRECIPITATION (CM)	45.542
TOTAL INFILTRATION (CM)	25.548
TOTAL EVAPOTRANSPIRATION (CM)	26.543
TOTAL SURFACE RUNOFF (CM)	18.996
TOTAL GRW RUNOFF (CM)	0.001
TOTAL MOISTURE RETENTION (CM)	19.513
TOTAL YIELD (CM)	0.000

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	8.413E+03
TOTAL DEGRADED (MOISTURE)	2.287E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	7.704E+03
TOTAL DEGRADED (MOISTURE)	4.453E+03

SUBLAYER 3

TOTAL DEGRADED (MOISTURE)	1.449E+03

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.330E-06
ADSORBED SOIL (UG/G)	1.265E-05
SOIL AIR (UG/ML)	8.685E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	6.488E-06
ADSORBED SOIL (UG/G)	2.465E-05
SOIL AIR (UG/ML)	1.747E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	2.207E-06
ADSORBED SOIL (UG/G)	8.386E-06
SOIL AIR (UG/ML)	5.834E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.412E+00

YEAR -19 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	6.885	6.573	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	6.885	6.573	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	0.328	2.772	0.720	5.729	0.135	8.234	0.588	10.311	7.148	6.128	3.6
NET INFLT. (CM)	0.961	0.298	2.663	0.706	5.680	0.124	8.158	0.566	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	1.915	0.411	3.271	0.463	1.711	0.722	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.824	0.311	0.684	0.218	1.337	0.202	1.647	0.016	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.013	0.049	0.011	0.075	0.033	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.054	-0.087	1.077	-0.137	4.795	-0.141	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	0.177	-0.074	1.122	-0.126	4.870	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.005	1.059	0.998	1.087	0.996	1.123	0.997	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.005	1.059	0.998	1.087	0.996	1.123	0.997	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

LOAD_LOWER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

POLLUTANT MASS OUTPUT IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

DEGRAD_MOIS 1.442E+02 1.797E+02 1.931E+02 1.977E+02 1.974E+02 1.687E+02 1.451E+

02 1.234E+02 1.151E+02 1.092E+02 1.053E+02 1.027E+02 1.008E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02

IN_SOIL_MOI 4.781E+02 5.832E+02 6.229E+02 6.491E+02 5.557E+02 4.801E+

02 4.099E+02 3.826E+02 3.633E+02 3.417E+02 3.316E+02 3.198E+02 3.000E+02 3.000E+02 3.000E+02 3.000E+02 3.000E+02 3.000E+02

ADS_ON_SOIL 2.211E+04 2.707E+04 2.880E+04 2.844E+04 2.783E+04 2.744E+

04 2.730E+04 2.718E+04 2.752E+04 2.877E+04 2.882E+04 2.598E+04 2.704E+04 2.000E+04 2.000E+04 2.000E+04 2.000E+04 2.000E+04

IN_SOIL_AIR 2.752E+02 2.377E+02 1.880E+02 1.874E+02 2.048E+02 2.170E+

02 2.324E+02 2.363E+02 2.373E+02 2.377E+02 2.324E+02 2.324E+02 2.324E+02 2.324E+02 2.324E+02 2.324E+02 2.324E+02 2.324E+02

SUBLAYER 2

DIFFUSED_UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

DEGRAD_MOIS 2.844E+02 3.319E+02 3.719E+02 4.320E+02 3.801E+02 3.283E+02 2.849E+

02 2.270E+02 2.156E+02 1.980E+02 1.886E+02 1.432E+02 1.257E+02 1.087E+02 9.452E+01 8.232E+01 7.428E+01 7.000E+01

IN_SOIL_MOI 8.783E+02 1.100E+03 1.238E+03 1.432E+03 1.257E+03 1.087E+

03 9.452E+02 8.232E+02 7.428E+02 7.000E+02 7.000E+02 7.000E+02 7.000E+02 7.000E+02 7.000E+02 7.000E+02 7.000E+02 7.000E+02

ADS_ON_SOIL 7.428E+04 9.172E+04 1.042E+05 1.211E+05 1.062E+05 9.282E+

04 7.924E+04 6.936E+04 6.114E+04 5.585E+04 5.717E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04

IN_SOIL_AIR 5.363E+02 4.344E+02 3.588E+02 3.630E+02 4.007E+02 4.272E+

02 4.583E+02 4.663E+02 4.685E+02 4.479E+02 4.219E+02 4.219E+02 4.219E+02 4.219E+02 4.219E+02 4.219E+02 4.219E+02 4.219E+02

SUBLAYER 3

DEGRAD_MOIS 1.138E+02 1.474E+02 1.925E+02 2.172E+02 2.021E+02 1.821E+02 1.627E+

02 1.407E+02 1.311E+02 1.254E+02 1.190E+02 1.188E+02 6.838E+02 6.142E+02 5.455E+02 4.852E+02 4.425E+02 4.000E+02

IN_SOIL_MOI 3.817E+02 4.982E+02 5.850E+02 7.425E+02 6.142E+

02 5.455E+02 4.852E+02 4.425E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02 4.000E+02

ADS_ON_SOIL 2.388E+04 3.174E+04 3.975E+04 2.996E+04 3.076E+04 3.118E+

04 3.574E+04 4.043E+04 4.510E+04 4.975E+04 5.397E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04 5.000E+04

IN_SOIL_AIR 1.797E+02 1.988E+02 1.728E+02 1.975E+02 2.264E+02 2.465E+

02 2.659E+02 2.711E+02 2.727E+02 2.770E+02 2.772E+02 2.772E+02 2.772E+02 2.772E+02 2.772E+02 2.772E+02 2.772E+02 2.772E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.031E-06 2.956E-06 2.854E-06 2.743E-06 2.673E-06 2.615E-06 2.579E-

06 2.565E-06 2.555E-06 2.542E-06 2.535E-06 2.527E-06 4.996E-07 4.888E-07 4.821E-07 4.774E-07 4.744E-07 4.722E-07

SOLUBILITY 5.668E-07 5.525E-07 5.335E-07 5.127E-07 4.996E-07 4.888E-07 4.821E-

07 4.765E-07 4.775E-07 4.755E-07 4.677E-07 4.564E-07 1.016E-05 9.938E-06 9.802E-06 9.707E-06 9.668E-06 9.643E-06

ADSORBED 1.152E-05 1.126E-05 1.085E-05 1.042E-05 1.016E-05 9.938E-06 9.802E-

06 9.707E-06 9.668E-06 9.643E-06 9.577E-06 9.478E-06 7.354E-07 7.179E-07 6.962E-07 6.875E-07 6.811E-07 6.772E-07

SOIL_AIR 9.085E-07 8.866E-07 8.576E-07 8.420E-07 2.450E+01 2.800E+01 3.197E+

01 3.723E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

FREE_LIGAND 3.772E+01 3.967E+01 4.184E+01 4.380E+01

SUBLAYER 3

07 5.060E-06	5.030E-06	5.052E-06	4.715E-06	4.433E-06		
SOLUBILITY	1.641E-07	1.625E-07	1.604E-07	1.517E-07	9.675E-07	9.565E-07	9.493E-
07 5.288E-07	5.241E-07	5.307E-07	5.034E-07	4.757E-07		
ADSORBED	4.194E-05	4.168E-05	4.134E-05	3.944E-05	1.957E-05	1.945E-05	1.938E-
05 9.453E-05	9.395E-05	9.308E-05	8.888E-05	8.449E-05		
SOIL AIR	1.427E-06	1.418E-06	1.406E-06	1.342E-06	1.424E-06	1.405E-06	1.371E-
06 1.356E-06	1.340E-06	1.320E-06	1.259E-06	1.196E-06		
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 3

MOISTURE	2.420E-06	2.484E-06	2.566E-06	2.723E-06	2.816E-06	2.891E-06	2.931E-
06 2.936E-06	2.932E-06	2.917E-06	2.883E-06	2.813E-06		
SOLUBILITY	4.522E-07	4.643E-07	4.833E-07	5.099E-07	5.263E-07	5.403E-07	5.478E-
07 5.488E-07	5.477E-07	5.463E-07	5.450E-07	5.445E-07		
ADSORBED	9.194E-06	9.440E-06	9.825E-06	1.035E-05	1.070E-05	1.098E-05	1.114E-
05 1.116E-05	1.113E-05	1.101E-05	1.078E-05	1.037E-05		
SOIL AIR	6.462E-07	6.721E-07	7.087E-07	7.717E-07	7.746E-07	7.935E-07	7.910E-
07 7.887E-07	7.789E-07	7.682E-07	7.564E-07	7.659E-07		
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.416E+02	1.425E+02	1.440E+02	1.458E+02	1.471E+02	1.481E+02	1.487E+
02 1.488E+02	1.489E+02	1.489E+02	1.489E+02	1.490E+02		

1 YEAR = 19 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	4[illegible].089
TOTAL INFILTRATION (CM)	4[illegible].342
TOTAL EVAPOTRANSPIRATION (CM)	2[illegible].445
TOTAL SURFACE RUNOFF (CM)	18.896
TOTAL SNOW RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	10.543
TOTAL YIELD (CM)	10.543

0 POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	6.730E+03
TOTAL DEGRADED (MOISTURE)	1.835E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	5.978E+03
TOTAL DEGRADED (MOISTURE)	3.508E+03

SUBLAYER 3

TOTAL DEGRADED (MOISTURE)	1.854E+03

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

AVERAGE POLLUTANT CONCENTRATIONS NOTE: ONLY NON-ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.672E-06
ADSORBED SOIL (UG/G)	1.015E-05
SOIL AIR (UG/ML)	7.192E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.110E-06
ADSORBED SOIL (UG/G)	1.942E-05
SOIL AIR (UG/ML)	1.376E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	2.759E-06
ADSORBED SOIL (UG/G)	1.048E-05
SOIL AIR (UG/ML)	7.502E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.490E+00

YEAR -20 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	0.328	2.775	5.723	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.662	5.688	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.622	0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.004	-0.025	0.064	0.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL OUTPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

-- DAUGHTER FRACTION (%) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 1.150E+02 1.038E+02 1.155E+02 1.118E+02 1.155E+02 1.118E+02 1.155E+02 1.155E+02 1.118E+02 1.155E+02 1.118E+02 1.155E+02
IN SOIL MOI 3.829E+01 3.186E+01 3.703E+01 3.207E+01 3.698E+01 3.576E+01 3.698E+01 3.698E+01 3.576E+01 3.698E+01 3.576E+01 3.698E+01
ADS ON SOIL 2.265E+02 2.048E+02 2.192E+02 2.113E+02 2.192E+02 2.120E+02 2.192E+02 2.192E+02 2.120E+02 2.192E+02 2.120E+02 2.192E+02
IN SOIL AIR 2.175E+04 2.570E+04 2.506E+04 2.420E+04 2.506E+04 2.425E+04 2.506E+04 2.506E+04 2.425E+04 2.506E+04 2.425E+04 2.506E+04
1.851E+02 1.883E+02 1.891E+02 1.891E+02 1.891E+02 1.846E+02

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 2.087E+02 2.520E+02 3.249E+02 3.426E+02 3.426E+02 3.426E+02 3.426E+02 3.426E+02 3.426E+02 3.426E+02 3.426E+02 3.426E+02
IN SOIL MOI 1.732E+02 1.702E+02 1.570E+02 1.074E+02 1.730E+02 1.730E+02 1.730E+02 1.730E+02 1.730E+02 1.730E+02 1.730E+02 1.730E+02
ADS ON SOIL 5.850E+02 5.852E+02 5.077E+02 4.759E+02 4.759E+02 4.759E+02 4.759E+02 4.759E+02 4.759E+02 4.759E+02 4.759E+02 4.759E+02
IN SOIL AIR 4.219E+04 4.507E+04 3.963E+04 4.410E+04 4.410E+04 4.410E+04 4.410E+04 4.410E+04 4.410E+04 4.410E+04 4.410E+04 4.410E+04
3.618E+02 3.689E+02 3.699E+02 3.538E+02 3.354E+02

SUBLAYER 3

DEGRAD MOIS 1.381E+02 1.771E+02 2.279E+02 2.526E+02 2.314E+02 2.065E+02 1.831E+02 1.624E+02 1.459E+02 1.331E+02 1.233E+02 1.158E+02
IN SOIL MOI 4.919E+02 4.405E+02 3.885E+02 1.350E+02 8.557E+02 8.557E+02 8.557E+02 8.557E+02 8.557E+02 8.557E+02 8.557E+02 8.557E+02
ADS ON SOIL 4.616E+02 4.673E+02 4.554E+02 4.344E+02 3.412E+04 3.471E+04 3.501E+04 3.501E+04 3.501E+04 3.501E+04 3.501E+04 3.501E+04
IN SOIL AIR 3.503E+04 3.494E+04 3.304E+04 3.233E+04 3.460E+04 3.460E+04 3.460E+04 3.460E+04 3.460E+04 3.460E+04 3.460E+04 3.460E+04
2.982E+02 3.038E+02 3.055E+02 3.103E+02 3.103E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.416E-06 2.356E-06 2.275E-06 2.186E-06 2.130E-06 2.084E-06 2.055E-06 2.044E-06 2.035E-06 2.027E-06 1.990E-06 1.939E-06
SOLUBILITY 3.516E-07 3.240E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07 3.720E-07
ADSORBED 8.190E-06 7.955E-06 7.644E-06 7.302E-06 8.096E-06 7.920E-06 7.810E-06 7.767E-06 7.733E-06 7.703E-06 7.563E-06 7.369E-06
SOIL AIR 6.452E-07 6.373E-07 6.217E-07 6.231E-07 5.861E-07 5.722E-07 5.647E-07 5.618E-07 5.592E-07 5.568E-07 5.462E-07 5.320E-07
FREE LIGAND 4.176E+01 4.096E+01 4.329E+01 4.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 4.394E-06 4.330E-06 4.240E-06 4.145E-06 4.087E-06 4.041E-06 4.010E-06

ADSORBED 1.670E-05 1.646E-05 1.619E-05 1.575E-05 1.553E-05 1.536E-05 1.524E-
01 1.512E-05 1.497E-05 1.479E-05 1.451E-05 1.437E-05 1.426E-05 1.418E-
05 1.070E-06 1.059E-06 1.047E-06 1.028E-06 1.018E-06 1.010E-06 1.004E-
FREE LIGAND 2.772E+01 2.967E+01 3.149E+01 3.313E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

MOISTURE 2.926E-06 2.968E-06 3.028E-06 3.138E-06 3.207E-06 3.262E-06 3.291E-
06 3.292E-06 3.264E-06 3.174E-06 3.026E-06 5.994E-07 6.098E-07 6.151E-
SOLUBIL 5.470E-07 5.543E-07 5.579E-07 5.885E-07
07 6.154E-07 6.138E-07 6.120E-07 6.105E-07 1.095E-07 1.219E-05 1.240E-05 1.250E-
ADSORBED 1.112E-05 1.128E-05 1.155E-05 1.199E-05
05 1.251E-05 1.248E-05 1.244E-05 1.241E-05 1.222E-05 8.622E-07 8.955E-07 8.881E-
SOIL AIR 7.848E-07 8.031E-07 8.304E-07 8.562E-07
07 8.821E-07 8.730E-07 8.806E-07 8.886E-07 8.574E-07 2.450E+01 2.800E+01 3.197E+
FREE LIGAND 2.772E+01 2.967E+01 3.149E+01 3.313E+01
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 2.772E+01 2.967E+01 3.149E+01 3.313E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.494E+02 1.504E+02 1.518E+02 1.537E+02 1.549E+02 1.559E+02 1.565E+
02 1.567E+02 1.567E+02 1.567E+02 1.568E+02 1.568E+02 1.568E+02
1

YEAR = 20 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	40.069
TOTAL INFILTRATION (CM)	40.069
TOTAL EVAPOTRANSPIRATION (CM)	25.545
TOTAL SURFACE RUNOFF (CM)	1.554
TOTAL GRW RUNOFF (CM)	13.886
TOTAL MOISTURE RETENTION (CM)	0.001
TOTAL YIELD (CM)	13.543

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	5.354E+03
TOTAL DEGRADED (MOISTURE)	1.483E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	4.685E+03
TOTAL DEGRADED (MOISTURE)	2.788E+03

SUBLAYER 3

TOTAL DEGRADED (MOISTURE)	2.130E+03

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.128E-06
ADSORBED SOIL (UG/G)	1.077E-05
SOIL AIR (UG/ML)	7.29E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	4.035E-06
ADSORBED SOIL (UG/G)	1.533E-05
SOIL AIR (UG/ML)	1.086E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.184E-06
ADSORBED SOIL (UG/G)	1.270E-05
SOIL AIR (UG/ML)	9.566E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.568E+00

YEAR -21 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.956	0.328	2.772	5.728	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.951	0.298	2.863	5.680	8.158	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.000	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	0.522	0.311	0.411	0.453	0.722	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.684	1.337	1.647	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.000	0.000	0.218	0.202	0.016	0.075	0.026	0.013	0.0			
YIELD (CM)	0.034	-0.025	0.113	0.049	0.011	0.023	7.440	3.752	1.580	0.5		
	0.089	0.005	0.064	0.073	0.023	4.795	7.565	3.803	1.607	0.6		
			0.087	0.137	0.141	4.870						
			-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GG)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			
			0.998	0.995	0.997							
			1.087	1.123	0.997							

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 1.432E+02 1.447E+02 1.250E+02 1.068E+02 9.188E+
DEGRAD MOIS 3.125E+01 5.912E+01 1.304E+02 1.375E+02 4.109E+02 3.519E+02 3.039E+
01 7.810E+01 7.282E+01 5.912E+01 5.274E+02 6.375E+01 1.732E+02 1.800E+04 1.762E+04 1.738E+
IN SOIL MOI 3.027E+02 3.752E+02 4.577E+02 2.102E+02 1.800E+04 1.762E+04 1.738E+
02 2.594E+02 2.421E+02 2.299E+02 1.156E+02 1.846E+02 1.187E+02 1.297E+02 1.374E+
ADS ON SOIL 1.720E+04 1.713E+04 1.883E+04 1.846E+04 1.187E+02 1.297E+02 1.374E+
04 1.728E+04 1.728E+02 1.505E+02 1.207E+02 1.079E+02
IN SOIL AIR 1.485E+02 1.502E+02 1.502E+02 1.473E+02
02 1.471E+02

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 1.824E+03 2.373E+02 2.051E+02 1.780E+
DEGRAD MOIS 1.249E+02 2.071E+02 1.328E+02 1.709E+02
02 1.319E+02 1.218E+02 1.346E+02 1.281E+02 1.937E+02 7.850E+02 6.793E+02 5.905E+
IN SOIL MOI 5.480E+02 6.564E+02 8.490E+02 3.938E+02
02 5.028E+02 4.715E+02 4.479E+02 4.078E+02 3.439E+04 3.401E+04 3.376E+
ADS ON SOIL 3.696E+04 3.641E+04 3.566E+04 3.485E+04
04 3.363E+04 3.348E+04 3.352E+02 2.738E+02 2.267E+02 2.504E+02 2.669E+
IN SOIL AIR 2.755E+02 2.926E+02 2.842E+02 2.736E+02
02 2.863E+02 2.912E+02

SUBLAYER 3

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 5.468E+02 6.424E+02 2.503E+02 2.219E+02 1.960E+
DEGRAD MOIS 1.548E+02 1.760E+02 2.218E+02 1.758E+02
02 1.686E+02 1.578E+02 1.600E+02 1.488E+02 1.396E+02 8.395E+02 7.431E+02 6.544E+
IN SOIL MOI 5.151E+02 6.600E+02 9.451E+02 3.911E+02
02 5.615E+02 5.251E+02 4.988E+02 4.684E+02 3.577E+04 3.678E+04 3.721E+04 3.741E+
ADS ON SOIL 3.474E+04 3.502E+04 3.650E+04 3.625E+04
04 3.740E+04 3.730E+04 3.719E+02 2.996E+02 2.424E+02 2.739E+02 2.958E+
IN SOIL AIR 2.966E+02 3.176E+02 3.096E+02 2.994E+02
02 3.184E+02 3.243E+02 3.261E+02 3.264E+02 3.206E+02

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.919E-06 1.871E-06 1.807E-06 1.736E-06 1.692E-06 1.656E-06 1.633E-
06 1.594E-06 1.616E-06 1.610E-06 1.581E-06 3.246E-07 3.162E-07 3.095E-07 3.053E-
SOLUBILITY 3.587E-07 3.497E-07 3.377E-07 3.246E-07
07 3.036E-07 3.021E-07 3.009E-07 2.956E-07 6.429E-06 6.293E-06 6.206E-
ADSORBED 7.291E-06 7.110E-06 6.860E-06 6.588E-06
06 6.172E-06 6.142E-06 6.112E-06 6.038E-06 4.655E-07 4.546E-07 4.408E-
SOIL AIR 6.152E-07 6.052E-07 5.938E-07 5.784E-07
07 4.351E-07 4.297E-07 4.231E-07 4.157E-07 2.450E+01 2.800E+01 3.197E-
FREE LIGAND 4.067E+01 4.349E+01 4.382E+01 4.069E-07
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 3.474E-06 3.422E-06 3.352E-06 3.272E-06 3.222E-06 3.182E-06 3.173E-

```
ADSORBED  1.730E-05 1.730E-05 1.730E-05 1.274E-05 1.245E-05 1.315E-05 1.200E-
05 2.01E-05 1.198E-05 1.192E-05 1.136E-05 1.090E-05 1.052E-05 1.020E-
SOIL AIR  9.279E-07 9.252E-07 9.186E-07 8.590E-07 8.252E-07 8.077E-07 8.068E-
07 8.468E-07 8.369E-07 8.233E-07 7.864E-07 7.624E-07 7.506E-07 7.497E-
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SUBLAYER 3

```
MOISTURE  3.230E-06 3.28.E-06 3.33CE-06 3.407E-06 3.457E-06 3.487E-06 3.516E-
06 3.515E-06 3.506E-06 3.496E-06 3.436E-06 3.369E-06 6.402E-07 6.507E-07 6.573E-
SOLUBILITY 6.104E-07 6.053E-07 5.934E-07 5.552E-07 5.302E-07 1.314E-05 1.329E-05 1.336E-
07 6.557E-07 6.553E-07 6.534E-07 6.426E-07 6.356E-07 9.510E-07 9.000E-07 9.490E-
ADSORBED  1.336E-05 1.332E-05 1.326E-05 1.306E-05 1.288E-05
SOIL AIR  9.279E-07 9.252E-07 9.186E-07 8.990E-07 8.861E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SUBLAYER 4

```
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

```
POL DEP CM  1.573E+02 1.582E+02 1.587E+02 1.615E+02 1.628E+02 1.638E+02 1.644E+
02 1.646E+02 1.646E+02 1.646E+02 1.646E+02 1.647E+02
1
```

YEAR = 21 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	4.089
TOTAL INFILTRATION (CM)	2.542
TOTAL EVAPOTRANSPIRATION (CM)	2.445
TOTAL SURFACE RUNOFF (CM)	1.096
TOTAL GRW RUNOFF (CM)	.000
TOTAL MOISTURE RETENTION (CM)	19.543
TOTAL YIELD (CM)	.000

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL NOT ADSORBED ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	4.257E+03
TOTAL DEGRADED (MOISTURE)	1.162E+03

SUBLAYER 2

TOTAL DIFFUSED (UP)	3.612E+03
TOTAL DEGRADED (MOISTURE)	2.193E+03

SUBLAYER 3

TOTAL DIFFUSED (UP)	1.189E+03
TOTAL DEGRADED (MOISTURE)	2.304E+03

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.C31E-06
ADSORBED SOIL (UG/G)	6.455E-06
SOIL AIR (UG/ML)	4.553E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	3.203E-06
ADSORBED SOIL (UG/G)	1.212E-05
SOIL AIR (UG/ML)	9.522E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.434E-06
ADSORBED SOIL (UG/G)	1.301E-05
SOIL AIR (UG/ML)	9.214E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.647E+00

YEAR -22 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.805	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.805	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.986	0.328	2.778	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	0.298	2.663	5.680	8.139	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	-0.824	0.311	0.884	1.337	1.647	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.075	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.5			
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.005	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.006	1.059	0.998	0.995	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 7.293E+01 9.089E+01 1.114E+02 1.155E+02 9.981E+01 8.526E+01 7.335E+
01 6.236E+01 5.418E+01 5.998E+01 3.556E+02 3.276E+02 3.783E+02 3.282E+02 2.809E+02 2.426E+
IN SOIL MOI 2.217E+02 2.835E+02 3.556E+02 3.276E+02 3.783E+02 3.282E+02 2.809E+02 2.426E+
02 2.072E+02 1.835E+02 1.837E+02 1.736E+04 1.716E+04 1.476E+04 1.438E+04 1.407E+04 1.387E+
ADS ON SOIL 1.630E+04 1.380E+04 1.375E+04 1.355E+04 1.340E+04 1.340E+04 1.438E+04 1.407E+04 1.387E+
02 1.380E+04 1.375E+04 1.359E+04 1.355E+04 1.340E+04 1.340E+04 1.438E+04 1.407E+04 1.387E+
IN SOIL AIR 1.362E+02 1.202E+02 9.842E+01 8.619E+01 9.477E+01 1.035E+02 1.096E+
02 1.175E+02 1.195E+02 1.200E+02 1.210E+02 1.199E+02

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 1.351E+02 1.696E+02 2.103E+02 2.177E+02 1.941E+02 1.677E+02 1.454E+
02 1.241E+02 1.158E+02 1.100E+02 1.036E+03 1.011E+03 6.420E+02 5.552E+02 4.825E+
IN SOIL MOI 4.487E+02 5.619E+02 6.950E+02 7.312E+02 6.420E+02 5.552E+02 4.825E+
02 4.125E+02 3.853E+02 3.660E+02 3.421E+04 3.345E+04 2.813E+04 2.780E+04 2.759E+
ADS ON SOIL 2.748E+04 2.737E+04 2.727E+04 2.719E+04 2.853E+04 2.813E+04 2.780E+04 2.759E+
02 2.748E+04 2.737E+04 2.727E+04 2.719E+04 2.853E+04 2.813E+04 2.780E+04 2.759E+
IN SOIL AIR 2.583E+02 2.533E+02 1.833E+02 1.666E+02 1.854E+02 2.046E+02 2.181E+
02 2.339E+02 2.380E+02 2.391E+02 2.384E+02 2.336E+02

SUBLAYER 3

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 1.583E+02 2.029E+02 2.579E+02 2.813E+02 2.542E+02 2.246E+02 1.979E+
02 1.701E+02 1.591E+02 1.511E+03 1.478E+03 1.361E+03 8.507E+02 7.510E+02 6.603E+
IN SOIL MOI 5.315E+02 6.768E+02 8.646E+02 9.424E+02 8.507E+02 7.510E+02 6.603E+
02 5.663E+02 5.296E+02 5.035E+02 4.637E+04 4.464E+04 3.727E+04 3.780E+04 3.775E+
ADS ON SOIL 3.772E+04 3.764E+04 3.751E+04 3.739E+04 3.727E+04 3.780E+04 3.775E+
04 3.772E+04 3.764E+04 3.751E+04 3.739E+04 3.727E+04 3.780E+04 3.775E+
IN SOIL AIR 3.060E+02 2.721E+02 2.281E+02 2.156E+02 2.457E+02 2.768E+02 2.984E+
02 3.211E+02 3.271E+02 3.289E+02 3.281E+02 3.231E+02 3.127E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.532E-06 1.495E-06 1.443E-06 1.387E-06 1.351E-06 1.322E-06 1.304E-
06 1.297E-06 1.302E-06 1.287E-06 1.274E-06 1.260E-06
SOLUBILITY 2.864E-07 2.794E-07 2.698E-07 2.593E-07 2.526E-07 2.471E-07 2.437E-
07 2.426E-07 2.435E-07 2.405E-07 2.380E-07 2.355E-07
ADSORBED 5.297E-06 5.168E-06 4.988E-06 4.795E-06 5.135E-06 5.024E-06 4.954E-
06 4.929E-06 4.950E-06 4.889E-06 4.839E-06 4.786E-06
SOIL AIR 3.475E-07 3.393E-07 3.284E-07 3.166E-07 3.718E-07 3.629E-07 3.518E-
07 3.475E-07 3.493E-07 3.451E-07 3.415E-07 3.378E-07
FREE LIGAND 3.772E+01 3.687E+01 3.573E+01 3.449E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

[illegible] 1.005E-05 9.929E-06 9.853E-
[illegible] 7.273E-07 7.173E-07 6.896E-
[illegible] 2.450E+01 2.800E+01 3.197E+

SUBLAYER 3

[illegible] 3.414E-06 3.406E-06 3.503E-06 3.534E-06 3.548E-
[illegible] 6.548E-07 6.606E-07 6.631E-
[illegible] 1.331E-05 1.343E-05 1.348E-
[illegible] 9.638E-07 9.702E-07 9.575E-
[illegible] 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.651E+02 1.661E+02 1.675E+02 1.693E+02 1.706E+02 1.716E+02 1.722E+
02 1.724E+02 1.724E+02 1.724E+02 1.724E+02 1.724E+02 1.725E+02
1

YEAR = 22 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GRW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible]ADE ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	3.430E+03
TOTAL DEGRADED (MOISTURE)	9.289E+02

SUBLAYER 2

TOTAL DIFFUSED (UP)	3.330E+03
TOTAL DEGRADED (MOISTURE)	1.799E+03

SUBLAYER 3

TOTAL DIFFUSED (UP)	2.409E+03
TOTAL DEGRADED (MOISTURE)	2.336E+03

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.354E-06
ADSORBED SOIL (UG/G)	5.124E-09
SOIL AIR (UG/ML)	3.644E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.633E-06
ADSORBED SOIL (UG/G)	1.001E-05
SOIL AIR (UG/ML)	7.089E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.459E-06
ADSORBED SOIL (UG/G)	9.375E-05
SOIL AIR (UG/ML)	9.309E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.725E+00

YEAR -23 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.246	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.246	8.9
PRECIPITATION (CM)	7.701	7.221	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.866	0.328	2.663	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.281	0.298	0.106	0.124	0.586	2.139	4.277	5.469	3.6
MOIS. RETEN (CM)	1.700	1.634	1.913	3.271	1.717	0.606	-0.932	-0.948	-0.6
SUR. RUNOFF (CM)	0.000	0.000	0.411	0.453	0.722	0.126	0.051	0.028	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.084	-0.025	0.107	1.123	4.870	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	0.089	0.005	-0.074	-0.126	-0.108				
PA/MPA (GZ)	1.005	1.059	0.998	0.996	0.987	0.995	1.010	1.008	0.9
	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_A(2)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_A(3)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_A(4)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 5.838E+01 7.400E+01 9.065E+01 9.409E+01 8.122E+01 6.940E+01 5.970E+
01 5.074E+01 4.230E+01 4.488E+01 4.977E+01 5.275E+01
+N SOIL MOI 1.958E+02 2.440E+02 2.976E+02 3.078E+02 2.671E+02 2.286E+02 1.975E+
02 1.685E+02 1.372E+02 1.493E+02 1.428E+02 1.426E+02
ADS ON SOIL 1.327E+04 1.295E+04 1.250E+04 1.201E+04 1.170E+04 1.145E+04 1.129E+
04 1.122E+04 1.117E+04 1.112E+04 1.115E+04 1.117E+04
+N SOIL AIR 1.133E+02 9.785E+01 7.849E+01 7.013E+01 7.714E+01 8.426E+01 8.924E+
01 9.554E+01 9.711E+01 9.752E+01 9.951E+01 9.992E+01

SUBLAYER 2

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 1.157E+02 1.452E+02 1.799E+02 1.895E+02 1.659E+02 1.432E+02 1.242E+
02 1.060E+02 9.896E+01 9.339E+01 9.926E+01 1.050E+02
+N SOIL MOI 3.842E+02 4.810E+02 5.934E+02 6.256E+02 5.483E+02 4.741E+02 4.121E+
02 3.524E+02 3.291E+02 3.127E+02 3.498E+02 3.826E+02
ADS ON SOIL 2.591E+04 2.552E+04 2.490E+04 2.428E+04 2.402E+04 2.374E+04 2.356E+
04 2.347E+04 2.338E+04 2.312E+04 2.333E+04 2.347E+04
+N SOIL AIR 2.212E+02 1.930E+02 1.563E+02 1.424E+02 1.583E+02 1.747E+02 1.862E+
02 1.998E+02 2.033E+02 2.043E+02 2.088E+02 2.050E+02

SUBLAYER 3

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 1.553E+02 1.976E+02 2.450E+02 2.579E+02 2.458E+02 2.168E+02 1.908E+
02 1.640E+02 1.455E+02 1.338E+02 1.295E+02 1.296E+02
+N SOIL MOI 5.180E+02 6.603E+02 8.233E+02 8.705E+02 8.221E+02 7.246E+02 6.366E+
02 5.449E+02 5.105E+02 4.853E+02 4.730E+02 4.730E+02
ADS ON SOIL 3.489E+04 3.470E+04 3.455E+04 3.439E+04 3.602E+04 3.628E+04 3.639E+
04 3.636E+04 3.626E+04 3.615E+04 3.595E+04 3.613E+04
+N SOIL AIR 2.982E+02 2.624E+02 2.168E+02 1.982E+02 2.374E+02 2.671E+02 2.877E+
02 3.095E+02 3.153E+02 3.170E+02 3.085E+02 2.963E+02

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.248E-06 1.217E-06 1.175E-06 1.129E-06 1.100E-06 1.076E-06 1.061E-
06 1.055E-06 1.050E-06 1.045E-06 1.048E-06 1.050E-06
SOLUBILITY 2.332E-07 2.275E-07 2.198E-07 2.110E-07 2.056E-07 2.011E-07 1.983E-
07 1.972E-07 1.962E-07 1.954E-07 1.958E-07 1.962E-07
ADSORBED 4.374E-06 4.266E-06 4.124E-06 3.964E-06 4.180E-06 4.089E-06 4.032E-
06 4.008E-06 3.989E-06 3.972E-06 3.981E-06 3.989E-06
TOTAL AIR 3.399E-07 3.292E-07 3.147E-07 2.996E-07 3.026E-07 2.954E-07 2.904E-
07 2.826E-07 2.781E-07 2.747E-07 2.753E-07 2.761E-07
FREE LIGAND 3.772E+01 2.967E+01 2.344E+01 2.166E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

07 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	8.580E-06	8.478E-06 8.414E-
08 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.212E-07	6.125E-07 6.07CE-
SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]		
07 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.800E+01 3.197E+
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01		
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 3

MOISTURE	3.284E-06	3.293E-06	3.314E-06	3.355E-06	3.385E-06	3.410E-06 3.420E
08 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.328E-07	6.374E-07 6.393E-
SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]		
07 6.3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.286E-05	1.296E-05 1.300E-
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]		
08 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.313E-07	9.361E-07 9.231E-
SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]		
07 9.157E-07	9.060E-07	8.931E-07	8.536E-07	8.188E-07	2.450E+01	2.800E+01 3.197E+
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01		
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01 3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.730E+02	1.739E+02	1.753E+02	1.772E+02	1.784E+02	1.795E+02	1.801E+
02 1.802E+02	1.803E+02	1.803E+02	1.803E+02	1.803E+02			
1							

YEAR = 23 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	4[illegible]
TOTAL INFILTRATION (CM)	45.542
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL LOW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	19.001
TOTAL YIELD (CM)	18.541

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.822E+03
TOTAL DEGRADED (MOISTURE)	7.568E+02

SUBLAYER 2

TOTAL DIFFUSED (UP)	3.038E+03
TOTAL DEGRADED (MOISTURE)	1.540E+03

SUBLAYER 3

TOTAL DIFFUSED (UP)	2.896E+03
TOTAL DEGRADED (MOISTURE)	2.258E+03

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.104E-06
ADSORBED SOIL (UG/G)	4.197E-06
SOIL AIR (UG/ML)	2.973E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.258E-06
ADSORBED SOIL (UG/G)	8.581E-06
SOIL AIR (UG/ML)	6.078E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	3.337E-06
ADSORBED SOIL (UG/G)	1.268E-05
SOIL AIR (UG/ML)	8.981E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.804E+00

1

YEAR -24 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.966	0.328	2.775	5.723	8.254	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	0.298	2.663	5.650	8.158	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	0.824	0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.053	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.084	-0.025	0.064	0.073	4.799	7.440	3.752	1.580	0.5			
YIELD (GU)	0.089	0.005	0.087	0.137	4.870	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U.G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD_MIDDLE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD MOIS	4.952E+01	5.171E+01	5.590E+01	7.558E+01	6.774E+01	5.789E+01	4.981E+01	4.235E+01	3.552E+01	2.942E+01	2.401E+01	1.924E+01
IN SOIL MOI	1.542E+02	1.610E+02	1.740E+02	2.352E+02	2.227E+02	1.908E+02	1.647E+02	1.407E+02	1.313E+02	1.228E+02	1.149E+02	1.076E+02
ADS ON SOIL	1.107E+04	1.080E+04	1.042E+04	9.758E+03	9.553E+03	9.418E+03	9.371E+03	9.330E+03	9.227E+03	9.140E+03	9.095E+03	9.045E+03
IN SOIL AIR	8.451E+01	8.159E+01	8.152E+01	8.399E+01	8.493E+01	8.432E+01	8.432E+01	7.977E+01	8.112E+01	8.152E+01	8.399E+01	8.493E+01

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD MOIS	1.016E+02	1.274E+02	1.578E+02	1.862E+02	1.453E+02	1.254E+02	1.087E+02	9.270E+01	8.552E+01	7.914E+01	7.355E+01	6.855E+01
IN SOIL MOI	3.373E+02	4.221E+02	5.213E+02	5.478E+02	4.802E+02	4.150E+02	3.605E+02	3.051E+02	2.818E+02	2.733E+02	2.590E+02	2.400E+02
ADS ON SOIL	2.272E+04	2.233E+04	2.190E+04	2.104E+04	2.078E+04	2.061E+04	2.052E+04	2.042E+04	2.035E+04	2.019E+04	1.994E+04	1.964E+04
IN SOIL AIR	1.942E+02	1.886E+02	1.862E+02	1.802E+02	1.783E+02	1.747E+02	1.777E+02	1.786E+02	1.802E+02	1.783E+02	1.747E+02	1.777E+02

SUBLAYER 3

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD MOIS	1.471E+02	1.870E+02	2.370E+02	2.529E+02	2.223E+02	1.926E+02	1.674E+02	1.430E+02	1.336E+02	1.268E+02	1.181E+02	1.128E+02
IN SOIL MOI	4.906E+02	6.224E+02	7.909E+02	7.355E+02	7.363E+02	6.386E+02	5.559E+02	4.756E+02	4.444E+02	4.228E+02	3.974E+02	3.674E+02
ADS ON SOIL	3.309E+04	3.315E+04	3.322E+04	3.261E+04	3.226E+04	3.198E+04	3.178E+04	3.168E+04	3.187E+04	3.206E+04	3.206E+04	3.178E+04
IN SOIL AIR	2.825E+02	2.806E+02	2.806E+02	2.684E+02	2.574E+02	2.354E+02	2.513E+02	2.697E+02	2.745E+02	2.759E+02	2.684E+02	2.574E+02

SUBLAYER 4

DEGRAD MOIS	0.000E+00	0.000E+00	6.978E-02	4.625E+00	9.540E+00	1.168E+01	1.223E+01	1.126E+01	1.071E+01	1.024E+01	9.780E+00	9.307E+00
IN SOIL MOI	0.000E+00	0.000E+00	2.432E+00	3.730E+01	3.867E+01	4.365E+01	4.307E+01	3.788E+01	3.678E+01	3.703E+01	3.289E+01	3.060E+01
ADS ON SOIL	0.000E+00	0.000E+00	1.021E+02	1.063E+03	1.694E+03	2.186E+03	2.462E+03	2.530E+03	2.542E+03	2.543E+03	2.544E+03	2.576E+03
IN SOIL AIR	0.000E+00	0.000E+00	5.214E-01	6.219E+00	1.117E+01	1.609E+01	1.947E+01	2.154E+01	2.210E+01	2.230E+01	2.271E+01	2.304E+01

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.041E-06	1.015E-06	9.797E-07	9.417E-07	9.171E-07	8.979E-07	8.852E-07	8.752E-07	8.688E-07	8.638E-07	8.607E-07	8.582E-07
WC	8.088E-07	8.488E-07	8.988E-07	9.134E-07	8.824E-07	8.524E-07	8.268E-07	8.034E-07	7.945E-07	7.880E-07	7.784E-07	7.714E-07
[illegible]	1.034E-06	1.009E-06	9.737E-07	9.355E-07	9.107E-07	8.913E-07	8.785E-07	8.685E-07	8.621E-07	8.571E-07	8.540E-07	8.515E-07

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FREE LIGAND  2.772E+01 2.967E+01 3.349E+01 3.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

          SUBLAYER  2

MOISTURE     2.138E-06 2.105E-06 2.059E-06 2.009E-06 1.957E-06 1.953E-06 1.907E-
06 1.929E-06 1.921E-06 1.914E-06 1.897E-06 1.874E-06
%SOLUBILITY  3.996E-07 3.934E-07 3.847E-07 3.753E-07 3.656E-07 3.651E-07 3.620E-
07 3.605E-07 3.588E-07 3.577E-07 3.547E-07 3.502E-07
ADSORBED     8.125E-06 7.998E-06 7.821E-06 7.630E-06 7.434E-06 7.415E-06 7.322E-
06 7.330E-06 7.301E-06 7.273E-06 7.210E-06 7.120E-06
SOIL AIR     5.107E-07 5.030E-07 4.922E-07 4.807E-07 4.689E-07 5.440E-07 5.361E-07 5.227E-
07 5.138E-07 5.072E-07 5.024E-07 4.937E-07 4.824E-07
FREE LIGAND  2.772E+01 2.967E+01 3.349E+01 3.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

          SUBLAYER  3

MOISTURE     3.110E-06 3.116E-06 3.122E-06 3.065E-06 3.032E-06 3.006E-06 2.987E-
06 2.978E-06 2.967E-06 2.957E-06 2.825E-06 2.728E-06
%SOLUBILITY  5.814E-07 5.824E-07 5.838E-07 5.728E-07 5.667E-07 5.618E-07 5.584E-
07 5.566E-07 5.546E-07 5.527E-07 5.280E-07 5.055E-07
ADSORBED     1.182E-05 1.184E-05 1.187E-05 1.158E-05 1.152E-05 1.142E-05 1.135E-
05 1.131E-05 1.126E-05 1.124E-05 1.074E-05 1.028E-05
SOIL AIR     8.307E-07 8.430E-07 8.534E-07 8.461E-07 8.341E-07 8.251E-07 8.062E-
07 7.978E-07 7.858E-07 7.772E-07 7.425E-07 7.112E-07
FREE LIGAND  2.772E+01 2.967E+01 3.349E+01 3.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

          SUBLAYER  4

MOISTURE     9.000E+00 9.000E+00 9.600E-09 1.001E-07 1.592E-07 2.054E-07 2.314E-
07 2.378E-07 2.388E-07 2.388E-07 1.784E-09 2.421E-07
%SOLUBILITY  0.000E+00 0.000E+00 1.784E-09 1.827E-07 2.976E-08 3.840E-08 4.326E-
08 4.446E-08 4.466E-08 4.466E-08 3.325E-07 4.525E-07
ADSORBED     0.000E+00 0.000E+00 3.325E-07 3.404E-07 6.050E-07 7.806E-07 8.794E-
07 9.036E-07 9.082E-07 9.082E-07 6.424E-08 8.760E-07
SOIL AIR     0.000E+00 0.000E+00 6.424E-08 6.574E-08 4.380E-08 5.689E-08 6.246E-
08 6.371E-08 6.392E-08 6.392E-08 4.342E-07 5.922E-08
FREE LIGAND  2.772E+01 2.967E+01 3.349E+01 3.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

     SOIL ZONE 2:
     SOIL ZONE 3:
     LOWER SOIL ZONE:

 POL DEP CM  1.808E+02 1.817E+02 1.832E+02 1.850E+02 1.863E+02 1.873E+02 1.879E+
02 1.881E+02 1.881E+02 1.881E+02 1.881E+02 1.882E+02
1
                              YEAR =   24 ANNUAL SUMMARY REPORT

       -- TOTAL INPUTS (UG) --

 UPPER SOIL ZONE                0.000E+00
 SOIL ZONE 2                    0.000E+00
 SOIL ZONE 3                    0.000E+00
 LOWER SOIL ZONE                0.000E+00

          -- HYDROLOGIC CYCLE COMPONENTS --

 AVERAGE SOIL MOISTURE ZONE 1 (%)                    9.041
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)              9.041
 TOTAL PRECIPITATION (CM)                           45.099
 TOTAL INFILTRATION (CM)                            45.099
 TOTAL EVAPOTRANSPIRATION (CM)                      26.545
 TOTAL SURFACE RUNOFF (CM)                          18.886
 TOTAL NEW RUNOFF (CM)                              18.886
 TOTAL MOISTURE RETENTION (CM)                      10.041
 TOTAL YIELD (CM)                                   10.543

       -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

-------------------------------------------------------------------------------
 FOR FINAL MASS IN SOIL MOI   ADS   ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
-------------------------------------------------------------------------------

     UPPER SOIL ZONE:
          SUBLAYER  1
               TOTAL VOLATILIZED                  2.381E+03
               TOTAL DEGRADED (MOISTURE)          6.322E+02
          SUBLAYER  2
               TOTAL DIFFUSED (UP)                2.728E+03
               TOTAL DEGRADED (MOISTURE)          1.348E+03
          SUBLAYER  3
               TOTAL DIFFUSED (UP)                2.506E+03
               TOTAL DEGRADED (MOISTURE)          2.040E+03
          SUBLAYER  4
               TOTAL DEGRADED (MOISTURE)          8.994E+01
     SOIL ZONE 2:
          SUBLAYER  1
```

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	9.238E-07
ADSORBED SOIL (UG/G)	3.510E-06
SOIL AIR (UG/ML)	4.488E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.876E-06
ADSORBED SOIL (UG/G)	7.509E-06
SOIL AIR (UG/ML)	5.315E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	2.968E-06
ADSORBED SOIL (UG/G)	1.136E-05
SOIL AIR (UG/ML)	8.047E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

SOIL MOISTURE (UG/ML)	1.586E-07
ADSORBED SOIL (UG/G)	6.042E-07
SOIL AIR (UG/ML)	4.245E-08
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.882E+00

1

YEAR -25 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.958	2.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.958	2.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	4.634	1.915	3.277	1.777	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.824	2.311	0.663	1.387	1.647	0.606	0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.049	0.076	0.120	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	0.025	0.054	1.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.6
EVAPDA (CM)									

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	4.208E+01	3.353E+01	5.420E+01	5.857E+01	3.085E+01	5.752E+01	4.917E+01	4.231E+
IN SOIL MOI	1.384E+02	1.172E+02	2.107E+02	2.030E+02	1.036E+02	1.892E+02	1.620E+02	1.400E+
ADS ON SOIL	1.106E+03	9.170E+02	8.850E+03	8.029E+03	8.505E+03	8.289E+03	8.114E+03	8.001E+
IN SOIL AIR	7.085E+03	7.898E+03	8.028E+03	8.557E+01	4.986E+01	5.464E+01	5.972E+01	6.325E+
	6.891E+01	6.925E+01	7.167E+01	7.261E+01				

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	8.632E+01	1.108E+02	1.372E+03	1.443E+02	6.758E+01	1.262E+02	1.069E+02	9.440E+
IN SOIL MOI	2.833E+02	3.665E+02	5.744E+01	5.675E+02	2.750E+02	4.171E+02	3.606E+02	3.131E+
ADS ON SOIL	2.500E+02	3.705E+02	4.530E+02	4.755E+02	2.188E+02	1.827E+04	1.805E+04	1.790E+
IN SOIL AIR	1.947E+04	1.947E+04	1.903E+04	1.855E+04	1.712E+04	1.204E+02	1.329E+02	1.415E+
	1.778E+04	1.759E+04	1.185E+02	1.054E+02				
	1.688E+02	1.471E+02	1.742E+04	1.712E+04				
	1.544E+02	1.561E+02	1.555E+02	1.531E+02				

SUBLAYER 3

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	1.274E+02	1.803E+02	1.995E+02	2.113E+02	9.452E+01	1.858E+02	1.611E+02	1.401E+
IN SOIL MOI	4.118E+02	5.821E+02	8.897E+02	8.988E+02	4.452E+02	6.157E+02	5.343E+02	4.652E+
ADS ON SOIL	3.718E+02	5.931E+02	7.231E+02	7.086E+02	3.688E+02	2.698E+04	2.675E+04	2.660E+
IN SOIL AIR	2.857E+04	2.832E+04	2.774E+04	2.726E+04	2.419E+04	1.778E+02	1.969E+02	2.108E+
	2.622E+02	2.432E+02	2.522E+04	2.419E+04				
	2.257E+02	2.297E+02	2.308E+02	2.261E+02	2.164E+02			

SUBLAYER 4

DEGRAD MOIS	1.182E+01	1.656E+01	2.441E+01	3.161E+01	3.255E+01	3.118E+01	2.891E+	
IN SOIL MOI	3.538E+01	5.076E+01	7.170E+01	2.135E+02	1.140E+02	1.076E+02	9.812E+	
ADS ON SOIL	1.005E+02	1.574E+02	2.334E+02	1.150E+02	4.994E+03	5.389E+03	5.609E+	
IN SOIL AIR	2.705E+03	4.113E+03	3.711E+03	1.226E+03	3.292E+01	3.966E+01	4.434E+	
	5.656E+03	4.324E+03	5.645E+03	4.485E+03				
	4.397E+01	4.928E+01	5.040E+01	5.661E+01				
	4.918E+01	4.948E+01	5.064E+01	5.819E+01				

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.840E-07	8.613E-07	8.318E-07	7.994E-07	7.791E-07	7.626E-07	7.520E-07
7.474E-07	7.428E-07	7.423E-07	7.545E-07	7.690E-07			
7.397E-07	7.392E-07	7.387E-07	7.410E-07	7.426E-07			
ADSORBED	3.359E-06	3.275E-06	3.161E-06	3.038E-06	2.961E-06	2.898E-06	2.858E-06
2.840E-06	2.831E-06	2.821E-06	2.867E-06	2.899E-06			
SOIL AIR	2.981E-07	2.932E-07	2.869E-07	2.800E-07	2.143E-07	2.093E-07	2.030E-07
2.002E-07	1.980E-07	1.951E-07	1.983E-07	2.006E-07			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	1.859E-06	1.830E-06	1.788E-06	1.744E-06	1.717E-06	1.697E-06	1.682E-06
1.616E-06	1.598E-06	1.593E-06	1.637E-06	1.668E-06			
%SOLUBILITY	3.423E-07	3.370E-07	3.293E-07	3.210E-07	3.160E-07	3.122E-07	3.094E-07
3.133E-07	3.120E-07	3.106E-07	3.061E-07	3.030E-07			
ADSORBED	7.065E-06	6.953E-06	6.796E-06	6.627E-06	6.526E-06	6.448E-06	6.392E-06
6.369E-06	6.343E-06	6.318E-06	6.422E-06	6.496E-06			
SOIL AIR	4.950E-07	4.870E-07	4.766E-07	4.652E-07	4.725E-07	4.658E-07	4.540E-07
4.491E-07	4.439E-07	4.370E-07	4.450E-07	4.504E-07			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

MOISTURE	2.685E-06	2.653E-06	2.608E-06	2.562E-06	2.535E-06	2.515E-06	2.500E-06
2.492E-06	2.483E-06	2.474E-06	2.507E-06	2.531E-06			
%SOLUBILITY	5.019E-07	4.959E-07	4.874E-07	4.788E-07	4.739E-07	4.700E-07	4.673E-07
4.658E-07	4.641E-07	4.624E-07	4.683E-07	4.730E-07			
ADSORBED	1.020E-05	1.008E-05	9.908E-06	9.736E-06	9.635E-06	9.555E-06	9.499E-06
9.471E-06	9.439E-06	9.407E-06	9.538E-06	9.640E-06			
SOIL AIR	7.172E-07	7.058E-07	6.906E-07	6.741E-07	6.875E-07	6.903E-07	6.747E-07
6.678E-07	6.601E-07	6.502E-07	6.622E-07	6.703E-07			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

MOISTURE	2.573E-07	2.926E-07	3.468E-07	4.215E-07	4.694E-07	5.065E-07	5.272E-07
5.312E-07	5.316E-07	5.304E-07	5.306E-07	5.321E-07			
%SOLUBILITY	2.811E-08	3.289E-08	3.952E-08	4.787E-08	8.774E-08	9.467E-08	9.854E-08
9.928E-08	9.936E-08	9.914E-08	9.931E-08	9.947E-08			
ADSORBED	9.772E-07	1.112E-06	1.325E-06	1.602E-06	1.784E-06	1.925E-06	2.003E-06
2.040E-06	2.045E-06	2.041E-06	2.043E-06	2.048E-06			
SOIL AIR	6.673E-08	7.316E-08	8.262E-08	9.504E-08	1.291E-07	1.390E-07	1.423E-07
1.423E-07	1.413E-07	1.394E-07	1.398E-07	1.399E-07			
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.886E+02	1.886E+02	1.910E+02	1.929E+02	1.941E+02	1.951E+02	1.957E+02
1.959E+02	1.959E+02	1.960E+02	1.960E+02	1.961E+02			

YEAR = 25 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.047
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	25.542
TOTAL EVAPOTRANSPIRATION (CM)	20.546
TOTAL SURFACE RUNOFF (CM)	0.248
TOTAL GRW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	18.003
TOTAL YIELD (CM)	18.543

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 2.621E-02

SUBLAYER 2
TOTAL DIFFUSED (UP) 2.379E-02
TOTAL DEGRADED (MOISTURE) 1.171E-03
SUBLAYER 3
TOTAL DIFFUSED (UP) 1.978E-02
TOTAL DEGRADED (MOISTURE) 1.717E-03
SUBLAYER 4
TOTAL DEGRADED (MOISTURE) 2.924E-02

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1
-ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	7.852E-07
ADSORBED SOIL (UG/G)	2.984E-06
SOIL AIR (UG/ML)	2.114E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.714E-06
ADSORBED SOIL (UG/G)	6.515E-06
SOIL AIR (UG/ML)	4.615E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	2.513E-06
ADSORBED SOIL (UG/G)	9.548E-06
SOIL AIR (UG/ML)	6.764E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

SOIL MOISTURE (UG/ML)	4.566E-07
ADSORBED SOIL (UG/G)	1.735E-06
SOIL AIR (UG/ML)	1.227E-07
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.961E+00

YEAR -26 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR

MOIS. BELOW LI (CM)	7.701	7.809	9.669	12.216	10.140	11.709	10.245	8.5
PRECIPITATION (CM)	3.221	6.805	6.573	6.549	10.311	7.140	6.128	3.5
NET INFLOW (CM)	0.328	0.120	0.185	0.153	10.105	7.007	6.101	3.0
PERC. (CM)	0.298	0.106	0.124	0.150	3.130	4.277	5.469	3.8
EVAPOTRANS. (CM)	0.634	0.411	0.363	0.472	0.806	0.932	-0.948	-0.8
MOIS. RETEN (CM)	0.311	0.113	0.049	0.075	0.126	0.051	0.026	0.0
SUR. RUNOFF (CM)	0.030	0.013	0.011	0.019	7.440	3.752	1.580	0.3
GRW. RUNOFF (CM)	0.034	0.007	0.007	0.007	7.505	3.803	1.607	0.6
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.103			
PAU/MPA (GZU)	1.006	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	0.998	0.996	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	3.077E+01	2.870E+01	2.729E+01	2.614E+01	2.503E+01	2.394E+01	2.288E+01	2.184E+01	2.082E+01	1.982E+01	1.885E+01	1.791E+
IN_SOIL_MOI	1.022E+02	9.543E+01	9.062E+01	8.679E+01	8.317E+01	7.966E+01	7.624E+01	7.291E+01	6.968E+01	6.655E+01	6.353E+01	6.062E+
ADS_ON_SOIL	8.806E+03	8.246E+03	7.845E+03	7.527E+03	7.227E+03	6.936E+03	6.652E+03	6.376E+03	6.108E+03	5.847E+03	5.594E+03	5.348E+
IN_SOIL_AIR	5.794E+01	5.695E+01	5.928E+01	6.130E+01	6.211E+01	6.211E+01	6.211E+01	6.211E+01	6.211E+01	6.211E+01	6.211E+01	6.211E+

SUBLAYER 2

DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	7.586E+01	7.516E+01	7.128E+01	6.811E+01	6.511E+01	6.218E+01	5.931E+01	5.650E+01	5.375E+01	5.106E+01	4.844E+01	4.589E+
IN_SOIL_MOI	2.520E+02	2.398E+02	2.368E+02	2.268E+02	2.173E+02	2.080E+02	1.990E+02	1.902E+02	1.816E+02	1.732E+02	1.651E+02	1.572E+
ADS_ON_SOIL	2.296E+02	2.148E+02	2.039E+02	1.951E+02	1.871E+02	1.794E+02	1.720E+02	1.648E+02	1.579E+02	1.512E+02	1.448E+02	1.386E+
IN_SOIL_AIR	1.530E+04	1.524E+04	1.536E+04	1.543E+04	1.543E+04	1.543E+04	1.543E+04	1.543E+04	1.543E+04	1.543E+04	1.543E+04	1.543E+
	1.302E+02	1.325E+02	1.332E+02	1.331E+02	1.308E+02	1.308E+02	1.308E+02	1.308E+02	1.308E+02	1.308E+02	1.308E+02	1.308E+

SUBLAYER 3

DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	1.008E+02	9.411E+01	8.939E+01	8.547E+01	8.177E+01	7.817E+01	7.465E+01	7.121E+01	6.785E+01	6.457E+01	6.138E+01	5.827E+
IN_SOIL_MOI	3.358E+02	3.141E+02	2.971E+02	2.832E+02	2.707E+02	2.589E+02	2.476E+02	2.367E+02	2.260E+02	2.156E+02	2.055E+02	1.957E+
ADS_ON_SOIL	3.040E+04	2.801E+04	2.624E+04	2.482E+04	2.355E+04	2.232E+04	2.113E+04	1.997E+04	1.884E+04	1.774E+04	1.668E+04	1.565E+
IN_SOIL_AIR	2.232E+04	2.224E+04	2.215E+04	2.207E+04	2.126E+04	2.047E+04	1.969E+04	1.892E+04	1.817E+04	1.743E+04	1.671E+04	1.600E+
	1.900E+02	1.933E+02	1.943E+02	1.942E+02	1.908E+02	1.908E+02	1.908E+02	1.908E+02	1.908E+02	1.908E+02	1.908E+02	1.908E+

SUBLAYER 4

DEGRAD_MOIS	2.543E+01	3.349E+01	4.500E+01	5.272E+01	5.053E+01	4.641E+01	4.194E+
IN_SOIL_MOI	8.544E+01	1.120E+02	1.474E+02	1.755E+02	1.683E+02	1.546E+02	1.397E+
ADS_ON_SOIL	8.562E+02	1.122E+03	1.474E+03	1.755E+03	1.683E+03	1.546E+03	1.397E+
IN_SOIL_AIR	7.216E+02	9.460E+02	1.243E+03	1.480E+03	1.419E+03	1.304E+03	1.178E+
	6.895E+01	7.033E+01	7.075E+01	7.188E+01	7.200E+01	7.200E+01	7.200E+01	7.200E+01	7.200E+01	7.200E+01	7.200E+01	7.200E+

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 7.562E-07 7.373E-07 7.116E-07 6.836E-07 6.665E-07 6.528E-07 6.435E-
07 6.397E-07 6.372E-07 6.346E-07 6.323E-07 6.308E-07
%SOLUBILITY 1.213E-07 1.188E-07 1.137E-07 1.033E-07 1.246E-07 1.220E-07 1.203E-
07 1.196E-07 1.191E-07 1.185E-07 1.180E-07 1.176E-07
ADSORBED 2.874E-06 2.802E-06 2.704E-06 2.598E-06 2.533E-06 2.481E-06 2.445E-
06 2.431E-06 2.420E-06 2.411E-06 2.402E-06 2.396E-06
SOIL AIR 2.020E-07 1.969E-07 1.899E-07 1.824E-07 1.834E-07 1.792E-07 1.737E-
07 1.714E-07 1.694E-07 1.668E-07 1.696E-07 1.716E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 1.597E-06 1.571E-06 1.536E-06 1.498E-06 1.474E-06 1.456E-06 1.444E-
06 1.436E-06 1.428E-06 1.420E-06 1.413E-06 1.408E-06
%SOLUBILITY 2.888E-07 2.827E-07 2.707E-07 2.480E-07 2.756E-07 2.722E-07 2.699E-
07 2.687E-07 2.678E-07 2.668E-07 2.659E-07 2.652E-07
ADSORBED 5.970E-06 5.822E-06 5.621E-06 5.399E-06 5.603E-06 5.534E-06 5.488E-
06 5.463E-06 5.444E-06 5.422E-06 5.402E-06 5.387E-06
SOIL AIR 4.266E-07 4.157E-07 3.997E-07 3.813E-07 4.056E-07 3.998E-07 3.897E-
07 3.852E-07 3.809E-07 3.752E-07 3.814E-07 3.858E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

MOISTURE 2.257E-06 2.229E-06 2.182E-06 2.154E-06 2.132E-06 2.115E-06 2.104E-
06 2.098E-06 2.092E-06 2.086E-06 2.081E-06 2.077E-06
%SOLUBILITY 4.218E-07 4.157E-07 4.037E-07 3.827E-07 3.985E-07 3.954E-07 3.933E-
07 3.921E-07 3.907E-07 3.892E-07 3.878E-07 3.867E-07
ADSORBED 8.575E-06 8.472E-06 8.324E-06 8.162E-06 8.102E-06 8.039E-06 7.996E-
06 7.977E-06 7.942E-06 7.913E-06 7.892E-06 7.869E-06
SOIL AIR 6.124E-07 6.037E-07 5.911E-07 5.775E-07 5.947E-07 5.807E-07 5.679E-
07 5.620E-07 5.555E-07 5.475E-07 5.566E-07 5.631E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

MOISTURE 5.432E-07 5.704E-07 6.143E-07 6.730E-07 7.114E-07 7.420E-07 7.584E-
07 7.613E-07 7.603E-07 7.583E-07 7.566E-07 7.556E-07
%SOLUBILITY 1.015E-07 1.066E-07 1.174E-07 1.374E-07 1.330E-07 1.387E-07 1.418E-
07 1.423E-07 1.421E-07 1.417E-07 1.414E-07 1.412E-07
ADSORBED 2.065E-06 2.168E-06 2.334E-06 2.558E-06 2.703E-06 2.820E-06 2.882E-
06 2.893E-06 2.889E-06 2.882E-06 2.875E-06 2.871E-06
SOIL AIR 1.451E-07 1.523E-07 1.679E-07 1.885E-07 1.957E-07 2.037E-07 2.047E-
07 2.040E-07 2.021E-07 1.993E-07 1.989E-07 1.989E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.162E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.965E+02 1.974E+02 1.989E+02 2.007E+02 2.020E+02 2.030E+02 2.036E+
02 2.037E+02 2.038E+02 2.038E+02 2.038E+02 2.039E+02

1 YEAR = 25 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) : (%)

TOTAL SURFACE RUNOFF (CM)
TOTAL NEW RUNOFF (CM)
TOTAL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
ONE PLACE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.737E+03
TOTAL DEGRADED (MOISTURE) 4.596E+02
SUBLAYER 2
TOTAL DIFFUSED (UP) 2.038E+03
TOTAL DEGRADED (MOISTURE) 1.805E+03
SUBLAYER 3
TOTAL DIFFUSED (UP) 1.609E+03
TOTAL DEGRADED (MOISTURE) 1.444E+03
SUBLAYER 4
TOTAL DEGRADED (MOISTURE) 4.605E+02
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 6.718E-07
ADSORBED SOIL (UG/G) 2.553E-06
SOIL AIR (UG/ML) 1.808E-07
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 1.471E-06
ADSORBED SOIL (UG/G) 5.590E-06
SOIL AIR (UG/ML) 3.959E-07
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
SOIL MOISTURE (UG/ML) 2.114E-06
ADSORBED SOIL (UG/G) 8.034E-06
SOIL AIR (UG/ML) 5.688E-07
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
SOIL MOISTURE (UG/ML) 7.005E-07
ADSORBED SOIL (UG/G) 2.662E-06
SOIL AIR (UG/ML) 1.884E-07
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

YEAR 27 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	6.885	6.573	9.669	8.549	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	6.885	6.573	9.669	8.549	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	0.328	2.775	2.120	5.729	0.135	0.558	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.663	2.106	5.680	0.124	0.556	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.200	0.634	1.915	0.411	0.453	0.337	0.717	0.722	2.139	4.277	5.468	3.6
MOIS. RETEN (CM)	-0.824	-0.311	0.684	-0.218	-0.202	-0.289	-0.016	-0.075	0.606	-0.932	-0.948	-0.6
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.013	0.049	0.011	0.033	4.795	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	0.084	0.087	0.073	1.073	0.127	1.122	4.121	7.440	3.752	1.580	0.6
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108				7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.005	1.059	0.998	1.087	1.123	0.996	0.997	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	0.998	1.087	1.123	0.996	0.997	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
IN SOIL MOI	2.623E+01	2.448E+01	2.776E+01	2.324E+01	2.240E+01	4.990E+01	4.867E+01	4.255E+01	1.381E+02	1.182E+02	1.021E+02	8.7
ADS ON SOIL	5.720E+01	5.137E+01	6.019E+01	7.720E+01	7.435E+01	7.435E+01	7.551E+01	7.211E+01	6.051E+03	5.919E+03	5.835E+03	5.7
IN SOIL AIR	5.808E+03	5.781E+03	5.752E+03	5.750E+03	5.750E+03	5.750E+03	5.750E+03	5.750E+03	3.988E+01	4.357E+01	4.613E+01	4.9
	4.944E+01	5.028E+01	5.043E+01	5.063E+01	5.051E+01	5.223E+01	5.250E+01					

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
IN SOIL MOI	5.905E+01	5.517E+01	6.248E+01	5.232E+01	5.044E+01	1.123E+02	1.096E+02	9.580E+01	9.253E+01	7.984E+01	6.922E+01	5.9
ADS ON SOIL	1.288E+02	1.156E+02	1.355E+02	1.738E+02	1.674E+02	1.674E+02	1.699E+02	1.624E+02	3.058E+02	2.643E+02	2.297E+02	1.9
IN SOIL AIR	1.307E+04	1.301E+04	1.295E+04	1.295E+04	1.295E+04	1.295E+04	1.295E+04	1.295E+04	1.340E+04	1.323E+04	1.313E+04	1.3
	1.113E+02	1.132E+02	1.135E+02	1.139E+02	1.137E+02	1.176E+02	1.182E+02	1.134E+02	8.630E+01	9.740E+01	1.038E+02	1.1

SUBLAYER 3

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
IN SOIL MOI	8.811E+01	8.230E+01	9.324E+01	7.806E+01	7.526E+01	1.676E+02	1.635E+02	1.429E+02	1.320E+02	1.145E+02	9.961E+01	8.5
ADS ON SOIL	1.922E+02	1.724E+02	2.021E+02	2.593E+02	2.497E+02	2.497E+02	2.535E+02	2.423E+02	4.376E+02	3.798E+02	3.308E+02	2.7
IN SOIL AIR	1.950E+04	1.941E+04	1.932E+04	1.932E+04	1.932E+04	1.932E+04	1.932E+04	1.932E+04	1.917E+04	1.902E+04	1.891E+04	1.8
	1.660E+02	1.689E+02	1.693E+02	1.699E+02	1.696E+02	1.754E+02	1.763E+02	1.692E+02	1.264E+02	1.400E+02	1.495E+02	1.6

[redacted] 3.597E+01 4.655E+01 6.085E+01 6.889E+01 6.429E+01 5.803E+01 5.187E+
[redacted] 1.332E+02 1.727E+02 2.258E+02 2.558E+02 2.178E+02 1.956E+02 1.740E+
[redacted] 1.193E+02 1.546E+02 2.021E+02 2.289E+02 1.949E+02 1.751E+02 1.558E+
[redacted] 7.393E+01 9.580E+01 1.252E+02 1.418E+02 9.543E+01 9.802E+01 9.947E+
[redacted] 4.643E+01 6.093E+01 8.027E+01 9.343E+01 6.290E+01 7.214E+01 7.864E+

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 6.463E-07 6.287E-07 6.078E-07 5.838E-07 5.687E-07 5.563E-07 5.484E-
07 5.459E-07 5.433E-07 5.406E-07 5.498E-07 5.559E-07
%SOLUBILITY 1.208E-07 1.177E-07 1.136E-07 1.091E-07 1.063E-07 1.040E-07 1.025E-
07 1.020E-07 1.016E-07 1.010E-07 1.028E-07 1.038E-07
ADSORBED 2.456E-06 2.393E-06 2.310E-06 2.218E-06 2.161E-06 2.114E-06 2.084E-
06 2.074E-06 2.065E-06 2.052E-06 2.089E-06 2.112E-06
SOIL AIR 1.729E-07 1.704E-07 1.668E-07 1.626E-07 1.582E-07 1.565E-07 1.527E-07 1.480E-
07 1.483E-07 1.474E-07 1.421E-07 1.445E-07 1.462E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.152E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 1.363E-06 1.341E-06 1.311E-06 1.278E-06 1.259E-06 1.244E-06 1.234E-
06 1.229E-06 1.224E-06 1.217E-06 1.194E-06 1.188E-06
%SOLUBILITY 2.548E-07 2.507E-07 2.450E-07 2.381E-07 2.354E-07 2.325E-07 2.307E-
07 2.287E-07 2.277E-07 2.232E-07 2.186E-07 2.161E-07
ADSORBED 5.180E-06 5.097E-06 4.983E-06 4.841E-06 4.785E-06 4.726E-06 4.689E-
06 4.665E-06 4.650E-06 4.537E-06 4.444E-06 4.393E-06
SOIL AIR 3.641E-07 3.628E-07 3.583E-07 3.531E-07 3.464E-07 3.414E-07 3.330E-
07 3.282E-07 3.272E-07 3.140E-07 3.075E-07 3.042E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.152E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

MOISTURE 1.904E-06 1.882E-06 1.851E-06 1.819E-06 1.802E-06 1.788E-06 1.777E-
06 1.772E-06 1.765E-06 1.758E-06 1.733E-06 1.723E-06
%SOLUBILITY 3.560E-07 3.517E-07 3.458E-07 3.390E-07 3.368E-07 3.341E-07 3.322E-
07 3.312E-07 3.287E-07 3.237E-07 3.183E-07 3.153E-07
ADSORBED 7.238E-06 7.151E-06 7.034E-06 6.896E-06 6.848E-06 6.793E-06 6.754E-
06 6.732E-06 6.707E-06 6.582E-06 6.476E-06 6.416E-06
SOIL AIR 5.086E-07 5.001E-07 4.880E-07 4.743E-07 4.958E-07 4.907E-07 4.797E-
07 4.747E-07 4.692E-07 4.555E-07 4.438E-07 4.367E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.152E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

MOISTURE 7.644E-07 7.846E-07 8.183E-07 8.652E-07 8.969E-07 9.212E-07 9.349E-
07 9.365E-07 9.343E-07 9.318E-07 9.292E-07 9.292E-07
%SOLUBILITY 1.429E-07 1.467E-07 1.530E-07 1.617E-07 1.676E-07 1.722E-07 1.747E-
07 1.751E-07 1.746E-07 1.742E-07 1.737E-07 1.736E-07
ADSORBED 2.905E-06 2.982E-06 3.110E-06 3.288E-06 3.408E-06 3.501E-06 3.553E-
06 3.559E-06 3.552E-06 3.544E-06 3.536E-06 3.535E-06
SOIL AIR 2.042E-07 2.098E-07 2.189E-07 2.313E-07 2.398E-07 2.468E-07 2.529E-07 2.523E-
07 2.508E-07 2.488E-07 2.467E-07 2.443E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.152E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

TOTAL INPUTS (UG)

UPPER SOIL ZONE	8.688E+05
[illegible] ZONE	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.841
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	41.069
TOTAL INFILTRATION (CM)	41.069
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GW RUNOFF (CM)	15.936
TOTAL MOISTURE RETENTION (CM)	15.001
TOTAL YIELD (CM)	15.936

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.480E+03
TOTAL DEGRADED (MOISTURE)	3.921E+02

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.737E+03
TOTAL DEGRADED (MOISTURE)	8.579E+02

SUBLAYER 3

TOTAL DIFFUSED (UP)	1.334E+03
TOTAL DEGRADED (MOISTURE)	1.220E+03

SUBLAYER 4

TOTAL DEGRADED (MOISTURE)	5.893E+02

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	5.730E-07
ADSORBED SOIL (UG/G)	2.178E-06
SOIL AIR (UG/ML)	1.542E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.255E-06
ADSORBED SOIL (UG/G)	4.771E-06
SOIL AIR (UG/ML)	3.378E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL AIR (UG/ML) 4.807E-07
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 8.872E-07
ADSORBED SOIL (UG/G) 2.374E-06
SOIL AIR (UG/ML) 3.385E-07
FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.117E+00

YEAR -28 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.8
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.8
PRECIPITATION (CM)	0.966	0.328	2.772	5.726	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.000	0.634	0.915	0.271	0.077	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.824	0.311	0.684	1.327	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.785	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PSA/MPA (GZ)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	2.239E+01	1.978E+01	1.997E+01	2.235E+01	2.757E+01	3.586E+01	3.062E+01	2.633E+01	2.0
IN SOIL WAT	2.889E+01	2.579E+01	2.815E+01	3.097E+01	3.360E+01	1.179E+02	1.008E+02	8.708E+01	6.8
ADS. ON SOIL	5.368E+03	5.722E+03	5.022E+03	5.300E+03	5.300E+03	5.166E+03	5.048E+03	4.978E+03	5.0
IN SOIL AIR	4.855E+01	4.327E+01	4.893E+01	5.398E+01	5.834E+01	3.405E+01	3.716E+01	3.936E+01	4.0
	4.218E+01	4.283E+01	4.294E+01	4.448E+01	4.502E+01				

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

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02 1.87E+02 1.55E+02 1.45E+02 1.38E+02 1.35E+02 1.35E+02
ADS ON SOIL 1.74E+04 1.10E+04 1.05E+04 1.02E+04 1.14E+04 1.14E+04 1.142E+04 1.128E+04 1.119E+
02 1.42E+02 1.05E+02 9.95E+01 9.82E+01 9.76E+01 9.75E+01
IN SOIL_AIR 1.05E+02 8.84E+01 8.46E+01 8.69E+01 9.65E+01 1.05E+02 7.528E+01 8.00E+01 8.51E+
01 1.05E+02 8.84E+01 8.46E+01 8.69E+01 9.65E+01 1.05E+02

        SUBLAYER  3

DEGRAD MOIS 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.00E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
IN SOIL_MOI 4.727E+01 3.361E+01 3.996E+01 4.196E+01 4.719E+01 5.711E+01 1.117E+02 9.037E+01 8.427E+
01 7.720E+01 6.542E+01 5.193E+01 3.996E+01 4.196E+01 4.719E+01
ADS ON SOIL 1.714E+04 1.692E+04 1.556E+04 1.556E+04 1.556E+04 1.556E+04 1.622E+04 1.609E+04 1.600E+
02 1.596E+04 1.596E+04 1.596E+04 1.596E+04 1.596E+04 1.596E+04
IN SOIL_AIR 1.46E+02 1.38E+02 1.38E+02 1.38E+02 1.38E+02 1.38E+02 1.069E+02 1.184E+02 1.265E+
02 1.35E+02 1.38E+02 1.38E+02 1.38E+02 1.38E+02 1.38E+02

        SUBLAYER  4

DEGRAD MOIS 4.405E+01 5.657E+01 7.303E+01 8.138E+01 7.483E+01 6.692E+01 5.946E+
01 5.150E+01 4.803E+01 4.570E+01 4.355E+01 4.328E+01 4.328E+01
IN SOIL_MOI 1.473E+02 1.293E+02 1.221E+02 1.449E+02 1.441E+02 2.522E+02 2.249E+02 1.980E+
02 1.709E+02 1.509E+02 1.221E+02 1.449E+02 1.441E+02 1.441E+02
ADS ON SOIL 9.834E+03 1.010E+04 1.038E+04 1.078E+04 1.105E+04 1.126E+04 1.138E+
04 1.136E+04 1.133E+04 1.131E+04 1.128E+04 1.128E+04
IN SOIL_AIR 8.479E+01 7.530E+01 6.516E+01 6.292E+01 7.282E+01 8.288E+01 8.995E+
01 9.689E+01 9.875E+01 9.937E+01 1.009E+02 1.009E+02

SOIL ZONE 2:
        SUBLAYER  1

        SUBLAYER  2

        SUBLAYER  3

        SUBLAYER  4

        SUBLAYER  5

        SUBLAYER  6

SOIL ZONE 3:
        SUBLAYER  1

LOWER SOIL ZONE:
        SUBLAYER  1

        SUBLAYER  2


-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --
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UPPER SOIL ZONE:
        SUBLAYER  1

MOISTURE 5.515E-07 5.378E-07 5.190E-07 4.986E-07 4.855E-07 4.745E-07 4.679E-
07 4.657E-07 4.630E-07 4.603E-07 4.682E-07 4.731E-07
SOLUBILITY 1.031E-07 1.005E-07 9.701E-08 9.320E-08 9.075E-06 8.869E-08 8.746E-
08 8.705E-08 8.655E-08 8.604E-08 8.751E-08 8.843E-08
ADSORBED 2.086E-06 2.044E-06 1.972E-06 1.895E-06 1.845E-06 1.803E-06 1.778E-
06 1.770E-06 1.760E-06 1.749E-06 1.779E-06 1.797E-06
SOIL_AIR 1.473E-07 1.443E-07 1.393E-07 1.338E-07 1.303E-07 1.274E-07 1.263E-
07 1.252E-07 1.246E-07 1.239E-07 1.258E-07 1.270E-07
FREE_LIGAND 3.272E+01 3.210E+01 3.096E+01 2.975E+01 2.896E+01 2.832E+01 2.800E+01 2.797E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 4.380E+01

        SUBLAYER  2

MOISTURE 1.160E-06 1.142E-06 1.117E-06 1.088E-06 1.073E-06 1.060E-06 1.051E-
06 1.047E-06 1.043E-06 1.039E-06 1.050E-06 1.057E-06
SOLUBILITY 2.169E-07 2.134E-07 2.087E-07 2.033E-07 2.000E-07 1.972E-07 1.965E-
07 1.957E-07 1.949E-07 1.942E-07 1.960E-07 1.971E-07
ADSORBED 4.386E-06 4.317E-06 4.223E-06 4.116E-06 4.053E-06 4.029E-06 3.995E-
06 3.979E-06 3.962E-06 3.945E-06 3.992E-06 4.021E-06
SOIL_AIR 3.099E-07 3.048E-07 2.972E-07 2.892E-07 2.846E-07 2.807E-07 2.837E-
07 2.805E-07 2.772E-07 2.739E-07 2.822E-07 2.875E-07
FREE_LIGAND 3.272E+01 3.210E+01 3.096E+01 2.975E+01 2.896E+01 2.832E+01 2.800E+01 2.797E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 4.380E+01

        SUBLAYER  3

MOISTURE 1.611E-06 1.582E-06 1.545E-06 1.503E-06 1.524E-06 1.512E-06 1.504E-
06 1.499E-06 1.494E-06 1.488E-06 1.503E-06 1.513E-06
SOLUBILITY 3.012E-07 2.956E-07 2.886E-07 2.808E-07 2.849E-07 2.827E-07 2.811E-
07 2.802E-07 2.791E-07 2.780E-07 2.811E-07 2.831E-07
ADSORBED 6.090E-06 5.978E-06 5.837E-06 5.677E-06 5.792E-06 5.747E-06 5.715E-
06 5.697E-06 5.678E-06 5.658E-06 5.713E-06 5.751E-06
SOIL_AIR 4.304E-07 4.224E-07 4.124E-07 4.015E-07 4.184E-07 4.152E-07 4.059E-
07 4.017E-07 3.974E-07 3.931E-07 4.052E-07 4.130E-07
FREE_LIGAND 3.272E+01 3.210E+01 3.096E+01 2.975E+01 2.896E+01 2.832E+01 2.800E+01 2.797E-
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MOISTURE 9.887E-07 9.499E-07 9.752E-07 1.016E-06 1.038E-06 1.055E-06 1.068E-
06 1.076E-06 1.086E-06 1.092E-06 1.096E-06 1.098E-06 1.099E-06 1.099E-06
SOLUBILITY 1.745E-07 1.773E-07 1.823E-07 1.889E-07 1.941E-07 1.978E-07 1.995E-
07 2.000E-07 2.000E-07 2.000E-07 2.000E-07 2.000E-07 2.000E-07 2.000E-07
ADSORBED 3.833E-06 3.806E-06 3.770E-06 3.946E-06 4.022E-06 4.064E-
06 4.085E-06 4.057E-06 4.048E-06 4.038E-06 4.030E-06 4.027E-06 4.026E-06
AIR 2.857E-07 2.905E-07 2.886E-
07 2.855E-07 2.833E-07 2.800E-07 2.799E-07 2.771E-07 2.771E-07 2.771E-07
FREE PCAND 2.450E-01 2.800E-01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.361E+01 4.530E+01 4.680E+01 4.810E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 2.122E+02 2.131E+02 2.146E+02 2.164E+02 2.177E+02 2.187E+02 2.193E+
02 2.194E+02 2.195E+02 2.195E+02 2.195E+02 2.196E+02

1 YEAR = 28 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	4.000E+00
TOTAL INFILTRATION (CM)	4.000E+00
TOTAL EVAPOTRANSPIRATION (CM)	2.000E+00
TOTAL SURFACE RUNOFF (CM)	0.000E+00
TOTAL GW RUNOFF (CM)	1.999E+00
TOTAL MOISTURE RETENTION (CM)	1.001E-03
TOTAL YIELD (CM)	1.999E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI - ADS - ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.260E+03
TOTAL DEGRADED (MOISTURE)	3.346E+02

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.479E+03
TOTAL DEGRADED (MOISTURE)	7.307E+02

SUBLAYER 3

TOTAL DIFFUSED (UP)	1.116E+03
TOTAL DEGRADED (MOISTURE)	1.032E+03

SUBLAYER 4

TOTAL DEGRADED (MOISTURE)	6.880E+02

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.090E-07
ADSORBED SOIL (UG/G)	1.152E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.069E-06
ADSORBED SOIL (UG/G)	1.129E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.511E-06
ADSORBED SOIL (UG/G)	5.743E-06
SOIL AIR (UG/ML)	2.068E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

SOIL MOISTURE (UG/ML)	1.030E-06
ADSORBED SOIL (UG/G)	3.915E-06
SOIL AIR (UG/ML)	2.771E-07
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.186E+00

1

YEAR -29 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.668	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.668	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	0.328	2.772	5.723	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.663	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.200	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.824	0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.075	0.126	0.051	0.026	0.0
IGRW. RUNOFF (CM)	0.084	-0.025	0.054	1.073	4.793	7.440	3.752	1.580	0.8
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.005	1.058	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZU)	1.006	1.059	0.998	1.087	1.123	0.997	0.995	1.010	1.008	0.9

1
G) --

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

```
        SUBLAYER  1
 VOLATILIZED [illegible] 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
0[illegible]
 DEGRAD MOIS [illegible] [illegible] [illegible] [illegible] 3.042E+01 2.601E+01 2.240E+
01 [illegible]
 IN SOIL MOI 7.775E+01 9.633E+01 [illegible] [illegible] 1.000E+02 8.576E+01 7.413E+
01 6.325E+01 5.899E+01 5.595E+01 5.429E+01 [illegible]
 ADS ON SOIL [illegible] [illegible] [illegible] [illegible] 4.381E+03 4.294E+03 4.238E+
03 [illegible] [illegible] [illegible] [illegible] [illegible]
 IN SOIL AIR 2.255E+01 3.071E+01 3.932E+01 [illegible] 2.888E+01 3.161E+01 3.350E+
01 3.537E+01 3.643E+01 3.655E+01 3.783E+01 3.830E+01
        SUBLAYER  2
 DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 6.423E+01 6.129E+01
 DEGRAD MOIS 4.689E+01 5.983E+01 7.289E+01 7.672E+01 6.706E+01 5.784E+01 5.013E+
01 4.275E+01 3.988E+01 3.788E+01 3.568E+01 3.481E+01
 IN SOIL MOI 1.557E+02 1.949E+02 2.408E+02 2.528E+02 2.216E+02 1.914E+02 1.663E+
02 1.420E+02 1.326E+02 1.261E+02 1.177E+02 1.148E+02
 ADS ON SOIL 1.050E+04 1.034E+04 1.011E+04 9.864E+03 9.708E+03 9.584E+03 9.506E+
03 9.461E+03 9.420E+03 9.393E+03 9.188E+03 8.992E+03
 IN SOIL AIR 8.963E+01 7.818E+01 6.350E+01 5.760E+01 6.399E+01 7.054E+01 7.515E+
01 8.053E+01 8.190E+01 8.236E+01 8.204E+01 8.043E+01
        SUBLAYER  3
 DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 4.885E+02 4.504E+02
 DEGRAD MOIS 6.478E+01 8.150E+01 1.014E+02 1.075E+02 9.461E+01 8.209E+01 7.145E+
01 6.107E+01 5.704E+01 5.476E+01 5.054E+01 4.839E+01
 IN SOIL MOI 2.153E+02 2.705E+02 3.360E+02 3.555E+02 3.136E+02 2.724E+02 2.373E+
02 2.031E+02 1.897E+02 1.801E+02 1.652E+02 1.583E+02
 ADS ON SOIL 1.452E+04 1.435E+04 1.411E+04 1.387E+04 1.374E+04 1.364E+04 1.357E+
04 1.353E+04 1.348E+04 1.342E+04 1.289E+04 1.240E+04
 IN SOIL AIR 1.240E+02 1.085E+02 8.862E+01 8.100E+01 9.056E+01 1.004E+02 1.073E+
02 1.152E+02 1.172E+02 1.177E+02 1.151E+02 1.109E+02
        SUBLAYER  4
 DEGRAD MOIS 5.020E+01 6.415E+01 8.214E+01 9.049E+01 8.247E+01 7.330E+01 6.485E+
01 5.582E+01 5.224E+01 4.968E+01 4.729E+01 4.700E+01
 IN SOIL MOI 1.675E+02 2.151E+02 2.756E+02 3.056E+02 2.770E+02 2.457E+02 2.167E+
02 1.858E+02 1.739E+02 1.653E+02 1.575E+02 1.565E+02
 ADS ON SOIL 1.131E+04 1.141E+04 1.162E+04 1.192E+04 1.214E+04 1.230E+04 1.239E+
04 1.238E+04 1.236E+04 1.231E+04 1.229E+04 1.225E+04
 IN SOIL AIR 9.650E+01 8.625E+01 7.295E+01 6.862E+01 8.000E+01 9.055E+01 9.794E+
01 1.054E+02 1.074E+02 1.080E+02 1.097E+02 1.096E+02
   SOIL ZONE 2:
        SUBLAYER  1

        SUBLAYER  2

        SUBLAYER  3

        SUBLAYER  4

        SUBLAYER  5

        SUBLAYER  6

   SOIL ZONE 3:
        SUBLAYER  1

   LOWER SOIL ZONE:
        SUBLAYER  1

        SUBLAYER  2


      -- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --
--------------------------------------------------------------------------------

   UPPER SOIL ZONE:
        SUBLAYER  1
 MOISTURE    4.685E-07 4.566E-07 4.403E-07 4.230E-07 4.118E-07 4.036E-07 3.983E-
07 3.960E-07 3.939E-07 3.919E-07 3.982E-07 4.024E-07
 %SOLUBILITY 8.757E-08 8.535E-08 8.230E-08 7.907E-08 7.697E-08 7.544E-08 7.445E-
08 7.402E-08 7.361E-08 7.324E-08 7.443E-08 [illegible]
 ADSORBED    1.780E-06 1.735E-06 1.673E-06 1.607E-06 1.565E-06 1.534E-06 1.514E-
06 1.505E-06 [illegible] [illegible] [illegible] [illegible]
 SOIL AIR    1.251E-07 1.235E-07 1.203E-07 1.168E-07 1.133E-07 1.108E-07 1.075E-
07 1.061E-07 1.047E-07 1.030E-07 1.047E-07 1.058E-07
 FREE LIGAND 1.772E+01 2.167E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
        SUBLAYER  2
 MOISTURE    [illegible] 8.720E-07 8.505E-07 8.271E-07 8.124E-07 8.008E-07 8.935E-
[illegible]
```

[illegible] 2.510E 07 2.473E-07 2.411E-
[illegible] 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.580E+01

SUBLAYER 3

MOISTURE 1.265E-06 1.249E-06 1.230E-06 1.204E-06 1.291E-06 1.282E-06 1.275E-
06 1.272E-06 1.267E-06 1.261E-06 1.247E-06 2.165E-06 2.414E-07 2.396E-07 2.384E-
07 2.377E-07 2.367E-07 2.357E-07 2.345E-07 2.276E-07 4.907E-06 4.871E-06 4.846E-
06 4.833E-06 4.813E-06 4.793E-06 4.770E-06 4.644E-06 3.553E-07 3.519E-07 3.442E-
07 3.407E-07 3.364E-07 3.312E-07 3.249E-07 3.065E-07 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.580E+01

SUBLAYER 4

MOISTURE 1.063E-06 1.073E-06 1.092E-06 1.121E-06 1.141E-06 1.156E-06 1.164E-
06 1.164E-06 1.157E-06 1.155E-06 2.094E-07 2.132E-07 2.161E-07 2.176E-
07 2.175E-07 2.171E-07 2.163E-07 2.129E-07 2.153E-07 4.335E-06 4.394E-06 4.425E-
06 4.421E-06 4.413E-06 4.398E-06 4.380E-06 4.276E-06 3.138E-07 3.174E-07 3.143E-
07 3.117E-07 3.082E-07 3.042E-07 3.035E-07 3.092E-07 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.580E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 2.200E+02 2.210E+02 2.224E+02 2.242E+02 2.255E+02 2.265E+02 2.271E+
02 2.273E+02 2.273E+02 2.273E+02 2.273E+02 2.274E+02

1 YEAR 29 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.044
TOTAL PRECIPITATION (CM)	46.088
TOTAL INFILTRATION (CM)	25.542
TOTAL EVAPOTRANSPIRATION (CM)	25.825
TOTAL SURFACE RUNOFF (CM)	18.886
TOTAL LOW RUNOFF (CM)	1.000
TOTAL MOISTURE RETENTION (CM)	19.543
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.072E+03
TOTAL DEGRADED (MOISTURE)	2.843E+02

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.255E+03
TOTAL DEGRADED (MOISTURE)	6.213E+02

SUBLAYER 3

TOTAL DIFFUSED (UP)	9.390E+02
TOTAL DEGRADED (MOISTURE)	8.745E+02

SUBLAYER 4

TOTAL DEGRADED (MOISTURE)	7.596E+02

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.154E-07
ADSORBED SOIL (UG/G)	1.578E-06
SOIL AIR (UG/ML)	1.118E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	9.091E-07
ADSORBED SOIL (UG/G)	3.455E-06
SOIL AIR (UG/ML)	2.447E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.281E-06
ADSORBED SOIL (UG/G)	4.867E-06
SOIL AIR (UG/ML)	3.448E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

SOIL MOISTURE (UG/ML)	1.133E-06
ADSORBED SOIL (UG/G)	4.306E-06
SOIL AIR (UG/ML)	3.048E-07
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	2.274E+00

1

YEAR -30 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
NET INFILT. (CM)	0.966	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
EVAPOTRANS. (CM)	0.951	0.298	2.120	5.135	8.198	10.185	7.097	6.101	3.6			
MOIS. RETEN (CM)	2.700	2.634	2.663	5.680	8.156	2.139	4.277	5.469	3.8			
SUR. RUNOFF (CM)	0.824	0.311	1.915	3.271	1.719	0.606	-0.932	-0.948	-0.8			
GRW. RUNOFF (CM)	0.000	0.030	0.411	0.453	0.722	0.126	0.051	0.026	0.0			
YIELD (CM)	0.084	-0.025	0.684	1.337	1.647	0.075	0.033	0.013	0.0			
PAU/MPA (GZU)	0.089	0.005	0.218	0.202	0.016	7.440	3.752	1.580	0.5			
PA/MPA (GZ)	1.005	1.059	0.113	0.049	0.075	7.565	3.803	1.607	0.6			
	1.005	1.059	0.057	0.137	0.141							
			0.167	0.122	0.870							
			-0.074	-0.126	-0.108							
			0.998	0.996	0.997	0.995	1.010	1.008	0.9			
			0.998	0.996	0.997	0.995	1.010	1.008	0.9			
			1.057	1.123	0.997							

-- POLLUTANT MASS INPUT TO COLUMN (U

DIFFUSION	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

0.000E-00 0.000E+00 0.000E+00 0.000E+00 DAILY AT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	4.483E+02	2.090E+01	2.587E+01	2.210E+01	1.898E+
DEGRAD MOIS	1.337E+01	2.325E+01	2.387E+01	2.090E+01			
01 1.811E+01	1.500E+01	1.424E+01	1.387E+01	1.400E+01	8.517E+01	7.276E+01	6.274E+
IN SOIL MOI	6.383E+01	7.783E+01	9.481E+01	9.090E+01			
01 5.346E+01	4.287E+01	4.138E+01	4.060E+01	4.090E+01	3.731E+03	3.643E+03	3.587E+
ADS ON SOIL	4.638E+03	4.528E+03	4.500E+03	4.090E+03			
03 3.561E+03	3.242E+03	3.102E+03	3.050E+03	3.090E+03	2.459E+01	2.681E+01	2.835E+
IN SOIL AIR	3.017E+01	3.109E+01	3.203E+01	3.247E+01			
01 3.031E+01	3.080E+01	3.094E+01	3.205E+01	3.247E+01			

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	1.476E+02	5.234E+01	5.700E+01	4.914E+01	4.256E+
DEGRAD MOIS	3.884E+01	4.997E+01	5.033E+01	5.090E+01			
01 3.630E+01	3.338E+01	3.220E+01	3.033E+01	2.962E+01	1.883E+02	1.626E+02	1.411E+
IN SOIL MOI	1.323E+02	1.855E+02	2.044E+02	2.090E+02			
02 1.206E+02	1.127E+02	1.071E+02	1.001E+02	1.090E+02	8.251E+03	8.140E+03	8.069E+
ADS ON SOIL	8.927E+03	8.778E+03	8.587E+03	8.090E+03			
03 8.036E+03	7.810E+03	7.982E+03	8.034E+03	8.090E+03	5.439E+01	5.992E+01	6.379E+
IN SOIL AIR	6.799E+01	6.894E+01	6.992E+01	7.036E+01			
01 6.841E+01	6.964E+01	6.999E+01	6.975E+01	6.855E+01			

SUBLAYER 3

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	4.216E+02	9.114E+01	8.021E+01	6.958E+01	6.052E+
DEGRAD MOIS	2.491E+01	3.601E+01	3.693E+01	3.090E+01			
01 5.169E+01	4.826E+01	4.284E+01	3.858E+01	3.014E+01	2.659E+02	2.308E+02	2.010E+
IN SOIL MOI	1.885E+02	2.525E+02	2.923E+02	3.090E+02			
02 1.719E+02	1.605E+02	1.527E+02	1.423E+02	1.385E+02	1.165E+04	1.156E+04	1.149E+
ADS ON SOIL	1.273E+04	1.247E+04	1.197E+04	1.090E+04			
04 1.126E+04	1.110E+04	1.136E+04	1.110E+04	1.090E+04	7.679E+01	8.507E+01	9.084E+
IN SOIL AIR	9.681E+01	9.792E+01	9.915E+01	9.971E+01			
01 9.744E+01	9.914E+01	9.962E+01	9.913E+01	9.710E+01			

SUBLAYER 4

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	2.053E+02	9.026E+01	8.777E+01	7.768E+01	6.850E+
DEGRAD MOIS	5.448E+01	6.946E+01	6.943E+01	6.090E+01			
01 5.889E+01	5.508E+01	5.225E+01	4.941E+01	4.090E+01	2.941E+02	2.598E+02	2.286E+
IN SOIL MOI	2.518E+02	3.225E+02	3.941E+02	4.090E+02			
02 1.861E+02	1.733E+02	1.742E+02	1.625E+02	1.498E+02	1.289E+04	1.301E+04	1.307E+
ADS ON SOIL	1.397E+04	1.238E+04	1.274E+04	1.090E+04			
04 1.306E+04	1.302E+04	1.233E+04	1.248E+04	1.090E+04	8.494E+01	9.578E+01	1.033E+
IN SOIL AIR	1.042E+02	9.320E+01	7.632E+01	7.427E+01			
02 1.112E+02	1.132E+02	1.138E+02	1.137E+02	1.118E+02			

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	2.838E-07	2.881E-07	2.747E-07	2.595E-07	2.507E-07	2.424E-07	2.371E-
%SOLUBILITY	4.455E-07	4.524E-07	4.314E-07	4.076E-07	3.937E-07	3.807E-07	3.724E-
ADSORBED	6.555E-03	6.655E-03	6.345E-03	5.994E-03	5.792E-03	5.600E-03	5.480E-
SOIL AIR	1.508E-06	1.531E-06	1.460E-06	1.379E-06	1.332E-06	1.288E-06	1.260E-
FREE LIGAND	9.648E-03	9.795E-03	9.339E-03	8.822E-03	8.526E-03	8.244E-03	8.062E-
	2.450E+01	2.800E+01	3.197E+01	3.551E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01

SUBLAYER 2

MOISTURE	8.390E-07	8.251E-07	8.071E-07	7.880E-07	7.755E-07	7.651E-07	7.584E-
%SOLUBILITY	1.450E-07	1.430E-07	1.418E-07	1.398E-07	1.385E-07	1.373E-07	1.365E-
ADSORBED	2.947E-06	2.907E-06	2.852E-06	2.794E-06	2.757E-06	2.723E-06	2.701E-
SOIL AIR	2.134E-07	2.100E-07	2.047E-07	1.984E-07	1.945E-07	1.909E-07	1.885E-
FREE LIGAND	2.450E+01	2.800E+01	3.197E+01	3.551E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01

SUBLAYER 3

MOISTURE	1.095E-06	1.086E-06	1.080E-06	1.076E-06	1.074E-06	1.072E-06	1.071E-
%SOLUBILITY	2.047E-07	2.031E-07	2.019E-07	2.011E-07	2.007E-07	2.003E-07	2.000E-
ADSORBED	4.161E-06	4.128E-06	4.104E-06	4.088E-06	4.079E-06	4.071E-06	4.066E-
SOIL AIR	3.013E-07	2.982E-07	2.915E-07	2.836E-07	2.791E-07	2.750E-07	2.722E-
FREE LIGAND	2.450E+01	2.800E+01	3.197E+01	3.551E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01

SUBLAYER 4

MOISTURE	1.211E-06	1.223E-06	1.228E-06	1.230E-06	1.230E-06	1.230E-06	1.230E-
%SOLUBILITY	2.264E-07	2.286E-07	2.296E-07	2.300E-07	2.300E-07	2.300E-07	2.300E-
ADSORBED	4.602E-06	4.646E-06	4.668E-06	4.678E-06	4.678E-06	4.678E-06	4.678E-
SOIL AIR	3.332E-07	3.358E-07	3.315E-07	3.242E-07	3.192E-07	3.144E-07	3.111E-
FREE LIGAND	2.450E+01	2.800E+01	3.197E+01	3.551E+01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	2.279E+02	2.288E+02	2.302E+02	2.321E+02	2.333E+02	2.344E+02	2.350E+
	2.351E+02	2.352E+02	2.352E+02	2.352E+02	2.353E+02		

1 YEAR = 30 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.542
TOTAL EVAPOTRANSPIRATION (CM)	20.545
TOTAL SURFACE RUNOFF (CM)	18.996
TOTAL GW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	19.541
TOTAL YIELD (CM)	19.543

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	9.083E+02
TOTAL DEGRADED (MOISTURE)	2.413E+02

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.071E+03
TOTAL DEGRADED (MOISTURE)	5.279E+02

TOTAL DEGRADED (MOISTURE) [illegible]

SUBLAYER 4

TOTAL DEGRADED (AIR) [illegible]

TOTAL DEGRADED (MOISTURE) [illegible]

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.524E-07
ADSORBED SOIL (UG/G)	1.339E-06
SOIL AIR (UG/ML)	9.485E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	7.726E-07
ADSORBED SOIL (UG/G)	2.936E-06
SOIL AIR (UG/ML)	2.080E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

SOIL MOISTURE (UG/ML)	1.068E-06
ADSORBED SOIL (UG/G)	4.058E-06
SOIL AIR (UG/ML)	2.932E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

SOIL MOISTURE (UG/ML)	1.199E-06
ADSORBED SOIL (UG/G)	4.556E-06
SOIL AIR (UG/ML)	3.292E-07
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.353E+00

**********EXECUTION COMPLETED**********

Versar INC.

ETHYLBENZENE

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*****
***** SESOIL-84 : SEASONAL CYCLES OF WATER, SEDIMENT, AND POLLUTANTS IN SOIL E
NVIRONMENTS
*****
***** DEVELOPERS: M. BONAZOUNTAS,ARTHUR D. LITTLE INC.  ,(617)864-5770,X5871
*****           J. WAGNER     ,DIS/ADLPIPE, INC.       ,(617)492-1991,X5820
*****
*****
***** MODIFIED EXTENSIVELY BY:
***** D.M. HETRICK
***** OAK RIDGE NATIONAL LABORATORY
***** (615) 576-7556
***** VERSION    : SEPTEMBER 1986
*****
**********************************************************************
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****** MONTHLY SESOIL MODEL OPERATION ******
MONTHLY SITE SPECIFIC SIMULATION

REGION	:	OAKLAND WSO AP
SOIL TYPE	:	SANDY CLAY
COMPOUND	:	ethylbenzene/diesel
WASHLOAD DATA	:	DEFAULT APPLIC DATA
APPLICATION AREA	:	

WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS.
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN
WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS.
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

GENERAL INPUT PARAMETERS

-- SOIL INPUT PARAMETERS --

SOIL DENSITY (G/CM**3):	1.35
INTRINSIC PERMEABILITY (CM**2):	1.50E-08
DISCONNECTEDNESS INDEX (-):	6.00
POROSITY (-):	2.00
ORGANIC CARBON CONTENT (%):	1.00
CATION EXCHANGE CAPACITY (MILLI EQ./100G DRY SOIL):	.000
FREUNDLICH EXPONENT (-):	1.00

-- CHEMICAL INPUT PARAMETERS --

SOLUBILITY (UG/ML):	152.
DIFFUSION COEFFICIENT IN AIR (CM**2/SEC):	.450E-01
HENRYS LAW CONSTANT (M**3-ATM/MOLE):	.844E-02
ADSORPTION COEFFICIENT ON ORGANIC CARBON(KOC):	.110E+04
ADSORPTION COEFFICIENT ON SOIL (K):	.000
MOLECULAR WEIGHT (G/MOL):	106.
VALENCE (-):	.000
NEUTRAL HYDROLYSIS CONSTANT (/DAY):	.000
BASE HYDROLYSIS CONSTANT (L/MOL-DAY):	.000
ACID HYDROLYSIS CONSTANT (L/MOL-DAY):	.000
DEGRADATION RATE IN MOISTURE (/DAY):	.000
DEGRADATION RATE ON SOIL (/DAY):	1.00
LIGAND-POLLUTANT STABILITY CONSTANT (-):	.157E+04
NO. MOLES LIGAND/MOLE POLLUTANT (-):	202.
LIGAND MOLECULAR WEIGHT (G/MOL):	

-- APPLICATION INPUT PARAMETERS --

NUMBER OF SOIL LAYERS:	4	
YEARS TO BE SIMULATED:	30	
AREA (CM**2):	0.340E+08	
APPLICATION AREA LATITUDE (DEG.):	38.0	
SPILL (1) OR STEADY APPLICATION (0):	1	
DEPTHS (CM):	0.12E+03	0.24E+03 0.37E+03
NUMBER OF SUBLAYERS/LAYER	5	4 6
PH (CM):	7.0	7.0
INTRINSIC PERMEABILITIES (CM**2):	1.0E-08	0.10E-08 0.10E-10 0
KOEL RATIOS (-):	1.0	1.0
KDES RATIOS (-):	1.0	1.0
KOC RATIOS (-):	1.0	0.00

RAIN RATIOS(-): 1.5 1.0 1

T-C RATIOS(-):

YEAR - 1 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS --

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMP. (DEG C)	8.830	10.330	11.270	12.9	14.540	17.110	16.000	12.380	9.550			
CLOUD COVER (FRAC.)	0.600	0.550	0.550	0.5	0.450	0.300	0.400	0.500	0.600			
REL. HUM. (FRAC.)	0.800	0.750	0.750	0.7	0.700	0.700	0.650	0.700	0.800			
ALBEDO (-)	0.160	0.160	0.160	0.1	0.160	0.160	0.160	0.160	0.160			
EVAPOT. (CM/DAY)	0.000	0.000	0.000	0.0	0.000	0.000	0.000	0.000	0.000			
PRECIP. (CM)	10.360	7.080	6.080	3.6	2.360	0.310	2.780	5.750	8.260			
M.TIME RAIN(DAYS)	0.720	0.530	0.490	0.4	0.210	0.120	0.260	0.490	0.600			
M. STORM NO. (-)	5.650	5.090	4.870	3.0	1.150	0.210	1.600	3.810	4.930			
M. SEASON (DAYS)	30.400	30.400	30.400	30.4	30.400	30.400	30.400	30.400	30.400			

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2)	2.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
TRNSFORMD-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
SINKS-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
LIG INPUT-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	7.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
VOLATILIZATION MULT-1	0.00E+00	0.00E+00	0.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.
SURFACE RUNOFF MULT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
POL IN RAIN (FRAC-EL)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.

POL. INP-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
TRNSFORMD-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
SINKS-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
LIG INPUT-2 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
VOLATILIZATION MULT-2	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.

POL. INP-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
TRNSFORMD-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
SINKS-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
LIG INPUT-3 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
VOLATILIZATION MULT-3	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.

POL. INP-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
TRNSFORMD-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
SINKS-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
LIG INPUT-4 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.
VOLATILIZATION MULT-4	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.

YEAR - 2 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
TRNSFORMD-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
SINKS-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
LIG INPUT-1 (UG/CM**2)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
VOLATILIZATION MULT-1	0.00E+00	0.00E+00	0.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1
SURFACE RUNOFF MULT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
POL IN RAIN (FRAC-EL)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

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POL   INP-2 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
TRNSFORMD-2 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
TNYS-2 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
LIG INPUT-2 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
VOLATILIZATION MULT-2   1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.
00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.

POL   INP-3 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
TRNSFORMD-3 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
TNYS-3 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
LIG INPUT-3 (UG/CM**2)   0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.
VOLATILIZATION MULT-3   1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.
00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.00E+00  1.
```

YEAR - 3 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 4 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 5 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 6 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 7 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 8 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR - 9 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR -10 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR -11 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR -12 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR -13 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -15 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -16 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -17 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -18 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -19 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -20 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -21 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -22 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -23 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -24 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -25 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -26 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -27 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -28 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -29 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR.
POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR.

YEAR = 4 ANNUAL RESULTS (ENTIRE)

HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	8.445	9.981	12.261	13.149	11.709	10.245	8.8
MOIS. BELOW L1 (%)	7.701	7.221	8.445	9.981	12.261	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.968	2.328	2.800	5.726	8.138	10.279	7.148	6.128	3.6
NET INFIL. (CM)	0.968	2.328	2.670	5.675	8.138	10.154	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.298	2.450	3.325	4.777	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	1.634	-0.171	0.995	1.476	0.575	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.021	0.311	0.218	0.202	0.076	0.125	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	7.440	3.752	1.580	0.8
YIELD (CM)	0.084	0.025	0.370	1.354	4.915	7.565	3.803	1.607	0.6
	0.089	0.005	0.481	1.405	4.990				
APAU/MPA (GZU)			-0.074	-0.126	-0.108				
	1.006	1.059	1.007	0.996	0.981	0.992	1.010	1.008	0.9
PA/MPA (GZ)			1.007	1.123	0.997				
	1.006	1.059	1.087	1.123	0.997	0.992	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	7.480E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	9.849E+02	9.100E+03	1.453E+05	1.744E+05	1.822E+05	1.584E+05	1.357E+05	1.166E+
IN SOIL MOI	4.144E+04	4.797E+04	5.744E+04	7.806E+04	7.997E+04	5.220E+04	4.477E+04	3.854E+
ADS ON SOIL	3.258E+04	3.012E+04	2.833E+04	2.508E+04	2.317E+04	6.620E+06	6.489E+06	6.377E+
IN SOIL AIR	6.283E+06	6.194E+06	6.110E+06	5.866E+06	5.773E+06	1.997E+04	2.186E+04	2.308E+
	2.443E+04	2.465E+04	2.452E+04	2.315E+04	2.150E+04			

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	2.366E-04	2.317E-04	2.259E-04	2.189E-04	2.149E-04	2.107E-04	2.071E-04	2.040E-04
SOLUBILITY	2.011E-04	1.984E-04	1.870E-04	1.765E-04	1.414E-04	1.386E-04	1.362E-04	1.322E-04
ADSORBED	1.556E-04	1.524E-04	1.488E-04	1.447E-04	2.364E-03	2.318E-03	2.278E-03	2.244E-03
SOIL AIR	2.502E-03	2.452E-03	2.394E-03	2.327E-03	7.835E-05	7.664E-05	7.404E-05	7.242E-05
FREE LIGAND	7.983E-05	7.808E-05	7.620E-05	7.410E-05	2.450E+01	2.800E+01	3.197E+01	3.725E+01
	3.397E+01	2.874E+01	2.340E+01	2.182E+01				
	3.973E+01	4.167E+01	4.364E+01	4.380E+01				

SUBLAYER 2

FREE LIGAND	3.397E+01	2.874E+01	2.340E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01	3.725E+01
	3.973E+01	4.167E+01	4.364E+01	4.380E+01				

SUBLAYER 3

FREE LIGAND	3.397E+01	2.874E+01	2.340E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01	3.725E+01
	3.973E+01	4.167E+01	4.364E+01	4.380E+01				

SUBLAYER 4

FREE LIGAND	3.397E+01	2.874E+01	2.340E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01	3.725E+01
	3.973E+01	4.167E+01	4.364E+01	4.380E+01				

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.545E-01	4.876E-01	9.943E-01	1.642E+00	2.080E+00	2.439E+00	2.646E+00	2.703E+00
	2.719E+00	2.724E+00	2.730E+00	2.760E+00				

1 YEAR - 1 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	7.480E+06
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.141
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.141
TOTAL PRECIPITATION (CM)	45.029
TOTAL INFILTRATION (CM)	45.472
TOTAL EVAPOTRANSPIRATION (CM)	27.167
TOTAL SURFACE RUNOFF (CM)	0.551
TOTAL GRW RUNOFF (CM)	18.704
TOTAL MOISTURE RETENTION (CM)	21.398
TOTAL YIELD (CM)	20.260

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENTS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	7.140E+05
TOTAL DEGRADED (MOISTURE)	1.463E+06

SUBLAYER 2

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1
-ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.087E-04
ADSORBED SOIL (UG/G)	2.298E-03
SOIL AIR (UG/ML)	7.449E-05
FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.321E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.321E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.321E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.760E-02

YEAR - 2 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.221		7.605	9.669	12.213				13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.221		7.605	9.669	12.213				13.149	11.709	10.245	8.9
PRECIPITATION (CM)	7.221		2.775	5.729	8.237				10.311	7.148	6.128	3.9
NET INFILT. (CM)	0.328		2.653	5.680	8.158				10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.298		1.915	3.271	1.772				2.139	4.277	5.469	3.8
MOIS. RETTN (CM)	6.634		0.441	0.463	0.722				0.606	-0.932	-0.948	-0.8
PERC. (CM)	0.311		0.681	1.337	1.647				0.506	0.932	0.948	0.8
SUR. RUNOFF (CM)	0.030		0.218	0.202	0.016				0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.025		0.113	0.049	0.075				0.126	0.051	0.026	0.0
YIELD (CM)	0.052		0.084	0.011	0.033				7.440	3.752	1.580	0.5
	0.052		0.167	0.137	4.799				7.565	3.803	1.607	0.6
	0.052		0.174	0.138	4.270							
	0.052	0.005										

TPA/MPA (GZ) 1.000 1.059 1.087 1.123 0.987

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	8.023E+04	8.888E+04	1.523E+05	1.444E+05	1.124E+05	9.629E+04	8.277E+
IN_SOIL_MOI	2.674E+04	2.963E+04	5.240E+04	4.797E+04	3.705E+04	3.178E+04	2.735E+
ADS_ON_SOIL	1.738E+06	2.011E+06	4.838E+06	4.507E+06	4.699E+06	4.606E+06	4.526E+
IN_SOIL_AIR	2.020E+04	1.752E+04	1.419E+04	1.285E+04	1.418E+04	1.552E+04	1.638E+
	1.737E+04	1.749E+04	1.740E+04	1.643E+04	1.526E+04		

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.679E-04	1.645E-04	1.600E-04	1.561E-04	1.528E-04	1.495E-04	1.470E-
SOLUBILITY	9.325E-05	9.325E-05	9.325E-05	9.325E-05	1.078E-03	1.645E-03	1.617E-
ADSORBED	1.593E-03	1.670E-03	1.743E-03	1.743E-03	5.561E-05	5.439E-05	5.255E-
	1.140E-05	1.137E-05	1.137E-05	1.137E-05	2.480E-01	2.890E-01	3.197E+
FREE_AIR	1.725E-01	1.737E-01	1.728E-01	1.632E-01			

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01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.550E+01
         SUBLAYER  3
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.185E+01 2.185E+01 2.000E-01 3.107E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.550E+01
         SUBLAYER  4
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.185E+01 2.185E+01 2.000E-01 3.107E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.550E+01
      SOIL ZONE 2:
      SOIL ZONE 3:
      LOWER SOIL ZONE:
0POL DEP CM  2.911E+00 3.241E+00 3.749E+00 4.399E+00 4.837E+00 5.196E+00 5.405E+
00 5.460E+00 5.476E+00 5.481E+00 5.487E+00 5.517E+00
1                      YEAR --   2 ANNUAL SUMMARY REPORT
                       ==================================

       -- TOTAL INPUTS (UG) --

 UPPER SOIL ZONE                  0.000E+00
 SOIL ZONE 2                      0.000E+00
 SOIL ZONE 3                      0.000E+00
 LOWER SOIL ZONE                  0.000E+00

         -- HYDROLOGIC CYCLE COMPONENTS --

 AVERAGE SOIL MOISTURE ZONE 1 (%)              9.041
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)        9.041
 TOTAL PRECIPITATION (CM)                     46.059
 TOTAL INFILTRATION (CM)                      45.542
 TOTAL EVAPOTRANSPIRATION (CM)                26.546
 TOTAL SURFACE RUNOFF (CM)                     0.535
 TOTAL GRW RUNOFF (CM)                        18.886
 TOTAL MOISTURE RETENTION (CM)                 0.001
 TOTAL YIELD (CM)                             18.543
0         -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
 ------------------------------------------------------------------------------
 FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
 ------------------------------------------------------------------------------

      UPPER SOIL ZONE:
          SUBLAYER  1
              TOTAL VOLATILIZED                       5.067E+05
              TOTAL DEGRADED (MOISTURE)               1.026E+06
          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

      SOIL ZONE 2:
          SUBLAYER  1

          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

          SUBLAYER  5

          SUBLAYER  6

      SOIL ZONE 3:
          SUBLAYER  1

      LOWER SOIL ZONE:
          SUBLAYER  1

          SUBLAYER  2
1                    -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON
 ZERO VALUES ARE PRINTED --
 ------------------------------------------------------------------------------
```

SOIL MOISTURE (UG/ML) 1.191E-04
ADSORBED (UG/G) 1.238E-03
FREE LIGAND (UG/ML) 1.000E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.000E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.000E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.000E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 5.517E-02

YEAR - 3 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.955	1.328	2.775	5.729	8.254	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.951	1.298	2.663	5.586	8.158	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.210	1.634	1.913	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	0.822	0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.029	0.076	0.126	0.051	0.028	0.0			
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.3			
YIELD (CM)	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.005	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.005	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS OUTPUT IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
DEGRAD. MOIS	5.579E+04	7.008E+04	7.307E+04	9.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.977E+04	6.832E+04	5.873E-
DEGRAD. SOIL	1.559E+04	1.957E+04	2.321E+04	2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.629E+04	2.255E+04	1.941E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

```
         SUBLAYER  2
         SUBLAYER  3
         SUBLAYER  4
     SOIL ZONE 2:
         SUBLAYER  1
         SUBLAYER  2
         SUBLAYER  3
         SUBLAYER  4
         SUBLAYER  5
         SUBLAYER  6
     SOIL ZONE 3:
         SUBLAYER  1
     LOWER SOIL ZONE:
         SUBLAYER  1
         SUBLAYER  2

 -- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --
------------------------------------------------------------------------------

     UPPER SOIL ZONE:
         SUBLAYER  1
 MOISTURE     1.191E-04 1.167E-04 1.138E-04 1.108E-04 1.082E-04 1.061E-04 1.043E-
04 1.027E-04 [illegible] 9.986E-05 9.262E-05 8.587E-05
 SOLUBILITY   7.837E-05 7.678E-05 7.485E-05 7.287E-05 7.122E-05 6.981E-05 6.860E-
05 6.758E-05 6.661E-05 6.570E-05 6.094E-05 5.649E-05
 ADSORBED     1.310E-03 1.284E-03 1.251E-03 1.218E-03 1.191E-03 1.167E-03 1.147E-
03 1.130E-03 1.114E-03 1.099E-03 1.019E-03 9.446E-04
 SOIL AIR     4.216E-05 4.184E-05 4.119E-05 4.051E-05 3.946E-05 3.859E-05 3.729E-
05 3.646E-05 3.556E-05 3.478E-05 3.225E-05 2.992E-05
 FREE LIGAND  3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
         SUBLAYER  2
 FREE LIGAND  3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
         SUBLAYER  3
 FREE LIGAND  3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
         SUBLAYER  4
 FREE LIGAND  3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
     SOIL ZONE 2:
     SOIL ZONE 3:
     LOWER SOIL ZONE:

 POL DEP CM   5.668E+00 5.898E+00 6.506E+00 7.156E+00 7.593E+00 7.953E+00 8.162E+
00 8.217E+00 8.233E+00 8.238E+00 8.244E+00 8.274E+00
1                          YEAR =   3 ANNUAL SUMMARY REPORT
                           ===============================

         -- TOTAL INPUTS (UG) --

 UPPER SOIL ZONE                  0.000E+00
 SOIL ZONE 2                      0.000E+00
 SOIL ZONE 3                      0.000E+00
 LOWER SOIL ZONE                  0.000E+00

            -- HYDROLOGIC CYCLE COMPONENTS --

 AVERAGE SOIL MOISTURE ZONE 1 (%)                 0.041
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)           [illegible]
 TOTAL PRECIPITATION (CM)                         [illegible]
 TOTAL INFILTRATION (CM)                          [illegible]
 TOTAL EVAPOTRANSPIRATION (CM)                    [illegible]
 [illegible]
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-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT
ZERO EACH MONTH, IT IS NOT PRINTED

INCL FINAL MASS IN SOIL MOI ADS ON SOIL SOIL AIR INMOBIL CEC COMPLEXED AN
PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 3.595E+05
TOTAL DEGRADED (MOISTURE) 7.275E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 1.051E-04
ADSORBED SOIL (UG/G) 1.156E-03
SOIL AIR (UG/ML) 3.751E-05
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.300E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. POLL. DEPTH (M) 8.274E-02

YEAR - 4 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

MOIS. IN L1 (%)	7.221	7.605	9.669	12.219	13.149	11.788	10.245	8.6
MOIS. IN L2 (%)	7.701	7.885	9.573	12.249	13.146	11.786	10.246	8.6
PRECIPITATION (CM)	2.775	5.730	8.250	10.311	7.148	3.133	2.6
SET INFIL. (CM)	2.653	5.680	8.150	10.185	7.097	3.111	2.6
EVAPOTRANS. (CM)	1.096	3.271	1.750	2.139	4.077	3.139	2.9
MOIS. RETEN (CM)	0.634	0.463	1.337	1.847	0.606	0.932	0.948	-0.8
SUR. RUNOFF (CM)	0.311	0.218	0.202	0.076	0.120	0.051	0.020	0.0
GRW. RUNOFF (CM)	0.030	0.013	0.071	0.023	7.440	3.752	1.580	0.5
YIELD (CM)	-0.025	0.064	1.073	4.795	7.565	3.800	1.607	0.6
PAU/MPA (GZU)	0.005	-0.007	-0.137	-0.871				
PA/MPA (GZ)	0.009	-0.074	-0.126	-0.108				
	1.005	0.998	0.996	0.997	0.995	1.010	1.008	0.9
	1.006	1.059	1.087	1.123	0.997			
		1.053	0.998	0.996	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997			

-- POLLUTANT MASS INPUT TO COLUMN (U

MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:							
SUBLAYER 1							
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD MOIS	4.030E+04	5.030E+04	5.209E+04	5.512E+04	5.662E+04	4.850E+04	4.170E+
04 3.522E+04	3.054E+04	3.060E+04	2.782E+04	2.579E+04			
IN SOIL MOI	1.333E+04	1.861E+04	1.945E+04	2.142E+04	1.866E+04	1.601E+04	1.378E+
04 1.165E+04	1.077E+04	1.013E+04	8.970E+03	8.286E+03			
ADS ON SOIL	2.603E+06	2.551E+06	2.387E+06	2.421E+06	2.367E+06	2.320E+06	2.280E+
06 2.247E+06	2.215E+06	2.185E+06	2.029E+06	1.977E+06			
IN SOIL AIR	1.017E+04	6.824E+03	7.147E+03	5.472E+03	7.140E+03	7.817E+03	8.251E+
03 8.753E+03	8.814E+03	8.769E+03	8.281E+03	7.692E+03			
SUBLAYER 2							
SUBLAYER 3							
SUBLAYER 4							
SOIL ZONE 2:							
SUBLAYER 1							
SUBLAYER 2							
SUBLAYER 3							
SUBLAYER 4							
SUBLAYER 5							
SUBLAYER 6							
SOIL ZONE 3:							
SUBLAYER 1							
LOWER SOIL ZONE:							
SUBLAYER 1							
SUBLAYER 2							

RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1
MOISTURE 8.453E-05 9.288E-01 9.074E-
02 7.295E-05 7.191E-02 7.092E-
SOLUBILITY 5.55 5.449
02 2.479E-05 2.433E-02 2.667E-
ADSORBED
04 8.024E-04 7.911E-02 7.804E-
02 1.590E-05 1.572E-02 1.555E-
FREE LIGAND 3.772E+01 3.772E+01 3.772E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 2.450E+01 2.800E+01 3.197E+
SUBLAYER 2
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM 8.424E+00 8.755E+00 9.263E+00 9.913E+00 1.035E+01 1.071E+01 1.092E+
01 1.097E+01 1.099E+01 1.100E+01 1.100E+01 1.100E+01

1 YEAR = 4 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.041
TOTAL PRECIPITATION (CM) 44.
TOTAL INFILTRATION (CM)
TOTAL EVAPOTRANSPIRATION (CM) 24.
TOTAL SURFACE RUNOFF (CM)
TOTAL GW RUNOFF (CM)
TOTAL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CE&C, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 2.553E+05
TOTAL DEGRADED (MOISTURE) 5.187E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	7.463E-05
ADSORBED SOIL (UG/G)	3.263E-02
SOIL AIR (UG/ML)	1.653E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.103E-01

YEAR - 5 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.965	0.328	2.653	5.680	8.559	10.185	7.097	6.101	8.6
NET INFILT. (CM)	0.965	0.328	2.653	5.680	8.559	10.185	7.097	6.101	8.6
EVAPOTRANS. (CM)	1.700	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.6
MOIS. RETEN (CM)	-0.824	0.311	0.684	1.337	1.647	0.606	-0.332	-0.948	-0.6
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.202	0.076	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.087	-0.025	0.064	0.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 -- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
CO 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAL 9C 1.86[illegible] 1.[illegible] [illegible] [illegible] [illegible] 4.022E+04 3.445E+04 2.962E+
O2 N-SO 1.[illegible] 1.[illegible] [illegible] [illegible] [illegible] 1.020E+04 1.107E+04 9.788E+
03 8.277E+03 7.765E+03 7.[illegible] [illegible] [illegible] [illegible] [illegible]
ADS ON SOIL 1.849E+06 1.812E+06 1.767E+06 1.717E+06 1.661E+06 1.648E+06 1.620E+
06 1.996E+06 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
IN SOIL AIR 7.225E+03 6.259E+03 6.077E+03 5.507E+03 5.072E+03 5.553E+03 5.861E+
03 6.218E+03 6.261E+03 6.229E+03 5.882E+03 5.464E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 5.005E-05 5.884E-05 5.736E-05 5.585E-05 5.459E-05 5.351E-05 5.259E-
05 5.182E-05 5.[illegible] [illegible] [illegible] [illegible] [illegible]
%SOLUBILITY 3.[illegible] [illegible] [illegible] [illegible] [illegible] 3.591E-05 3.521E-05 3.460E-
05 3.409E-05 3.361E-05 3.315E-05 3.[illegible] [illegible] [illegible] [illegible]
ADSORBED 5.[illegible] [illegible] [illegible] [illegible] [illegible] 6.005E-04 5.887E-04 5.785E-
04 5.700E-04 5.613E-04 5.543E-04 5.[illegible] [illegible] [illegible] [illegible]
SOIL AIR 2.[illegible] [illegible] [illegible] [illegible] [illegible] 1.990E-05 1.946E-05 1.881E-
05 1.839E-05 1.798E-05 1.765E-05 1.[illegible] [illegible] [illegible] [illegible]
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

TOTAL INPUTS (UG)

UPPER SOIL ZONE [illegible]
FOR PEST 3 [illegible]
LOWER SOIL ZONE [illegible]

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.041
TOTAL PRECIPITATION (CM) 45.543
TOTAL EVAPOTRANSPIRATION (CM) 26.542
TOTAL SURFACE RUNOFF (CM) 0.542
TOTAL GRW RUNOFF (CM) 18.996
TOTAL MOISTURE RETENTION (CM) 19.001
TOTAL YIELD (CM) 19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.814E+05
TOTAL DEGRADED (MOISTURE) 3.671E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 5.301E-05
ADSORBED SOIL (UG/G) [illegible]
SOIL AIR (UG/ML) [illegible]
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:

YEAR = 0 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.668	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.966	1.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	1.298	2.665	5.680	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	1.634	0.110	0.135	0.598	0.355	2.139	4.277	5.469	3.8		
MOIS. RETEN (CM)	0.824	0.311	0.106	0.124	0.055	0.077	0.606	-0.932	-0.948	-0.8		
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.795	7.440	3.752	1.580	0.5			
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.000	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD_MOIS	2.033E+04	2.538E+04	5.133E+04	8.286E+04	1.214E+05	1.633E+05	1.387E+05	1.214E+05	2.857E+04	2.447E+04	2.104E+04	
IN_SOIL_MOI	1.622E+04	1.524E+04	1.408E+04	1.301E+04	1.082E+04	9.416E+03	8.077E+03	6.952E+03				
ADS_ON_SOIL	5.434E+03	8.382E+03	1.326E+04	1.888E+04	2.768E+04	3.722E+04	3.162E+04	2.768E+04	1.194E+06	1.171E+06	1.151E+06	
IN_SOIL_AIR	5.132E+03	4.453E+03	3.606E+03	2.706E+03	1.579E+03	3.603E+03	3.944E+03	4.163E+03				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 1

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/CU.M) IN (U,G) NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	4.206E-05	4.189E-05	4.087E-05	3.988E-05	3.877E-05	3.861E-05	3.776E-05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	4.206E-05	4.189E-05	4.087E-05	3.988E-05	3.877E-05	3.861E-05	3.776E-05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.772E+01	2.967E+01	2.842E+01	2.192E+01	2.450E+01	2.800E+01	3.197E+01

SUBLAYER 2

FREE LIGAND	3.772E+01	2.967E+01	2.842E+01	2.192E+01	2.450E+01	2.800E+01	3.197E+01

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.842E+01	2.192E+01	2.450E+01	2.800E+01	3.197E+01

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.842E+01	2.192E+01	2.450E+01	2.800E+01	3.197E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.394E+01	1.427E+01	1.478E+01	1.542E+01	1.588E+01	1.622E+01	1.643E+01

1.643E+01 1.650E+01 1.651E+01 1.651E+01 1.650E+01

YEAR 5 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.04
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.04
TOTAL PRECIPITATION (CM)	0.000E+00
TOTAL INFILTRATION (CM)	0.000E+00
TOTAL EVAPOTRANSPIRATION (CM)	0.000E+00
TOTAL RUNOFF (CM)	0.000E+00
TOTAL GRW RUNOFF (CM)	0.000E+00
TOTAL MOISTURE RETENTION (CM)	0.000E+00
TOTAL YIELD (CM)	0.000E+00

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL SEC, COMPLEXED, AND TOTAL FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.080E-01
TOTAL DEGRADED (MICROBIAL)	2.387E-02

SUBLAYER 2

SUBLAYER 1

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.765E-05
ADSORBED SOIL (UG/G)	4.142E-04
SOIL AIR (UG/ML)	1.344E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.654E-01

YEAR - 7 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
MOIS. IN L1 (%)	7.605	9.669	12.213	10.149	11.709	10.245	8.9	7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOIS. BELOW L1 (%)	7.605	9.669	12.213	10.149	11.709	10.245	8.9	7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PRECIPITATION (CM)	2.775	5.729	8.284	10.311	7.148	6.128	3.9	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SNOW MELT (CM)	0.130	0.135	0.154	0.126	0.051	0.020	0.0	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RAIN+MELT (CM)	2.665	5.680	8.159	10.185	7.097	6.101	3.9	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EVAPOTRANS. (CM)	0.106	0.124	0.256	2.139	4.277	5.403	3.9	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOIS. RETEN (CM)	0.411	0.337	0.247	0.606	-0.932	-0.943	-0.9	-0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PERC. BELOW (CM)	0.113	0.049	0.075	0.126	0.051	0.020	0.0	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SUR. RUNOFF (CM)	0.013	0.091	0.073	7.440	3.752	1.580	0.5	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LAT. RUNOFF (CM)	0.064	1.079	4.791	7.580	3.803	1.007	0.0	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.447	1.137	7.041	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.071	0.115	0.180	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	MAY	OCT	NOV	DEC	JAN	FEB	MAR	APR
							0.000E+00	0.000E+00
							0.000E+00	0.000E+00
							0.000E+00	0.000E+00
							0.000E+00	0.000E+00
							0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD'N						2.029E+04	1.738E+04	1.494E+04
						6.688E+03	5.736E+03	4.937E+03
						8.481E+05	8.314E+05	8.171E+05
						2.559E+03	2.801E+03	2.957E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	2.928E-05	2.968E-05	2.984E-05	2.817E-05	2.754E-05	2.700E-05	2.653E-05
						1.812E-05	1.778E-05	1.745E-05
ADSORBED						3.029E-04	2.969E-04	2.918E-04
						1.004E-05	9.819E-06	9.487E-06
						2.450E+01	2.800E+01	3.107E+01

[illegible] 4.167E+01 4.30[illegible]

SUBLAYER 3

[illegible]

SUBLAYER 4

[illegible]

LOWER SOIL ZONE:

POL DEP CM 1.670E+01 1.703E+01 1.753E+01 1.818E+01 1.862E+01 1.898E+01 1.919E+01 1.927E+01 1.926E+01 1.927E+01 1.927E+01 1.930E+01

YEAR ---- 7 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	46.009
TOTAL INFILTRATION (CM)	27.545
TOTAL EVAPOTRANSPIRATION (CM)	20.545
TOTAL SURFACE RUNOFF (CM)	18.464
TOTAL GRW RUNOFF (CM)	0.001
TOTAL MOISTURE RETENTION (CM)	19.543
TOTAL YIELD (CM)	

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	9.143E+04
TOTAL DEGRADED (MOISTURE)	1.852E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:

ABSORBED SOIL (UG/G) 3.543E-02
FREE LIGAND (UG/ML) 3.300E-01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.300E-01

SUBLAYER 1

FREE LIGAND (UG/ML) 3.300E-01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.930E-01

1

YEAR = 3 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	3.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.966	3.298	2.663	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.000	0.634	0.411	0.463	0.722	2.139	4.277	5.469	3.6
MOIS. REMOVED (CM)	0.000	0.311	0.278	0.202	0.076	0.606	-0.932	-0.948	-0.6
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	-0.025	0.087	0.123	0.121	7.440	3.752	1.580	0.5
YIELD (GZU)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
BAU/MPA (GZU)	1.059	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
BA/MPA (UG)	1.059	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.441E+04	1.284E+04	1.061E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.748E+03	4.073E+03	3.506E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.922E+05	5.864E+05	5.802E+

SUBLAYER 1

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 2.151E-05 2.108E-05 2.055E-05 2.001E-05 1.955E-05 1.917E-05 1.884E-
05 1.855E-05 1.830E-05 1.805E-05 1.774E-05 1.735E-05 1.286E-05 1.261E-05 1.239E-
05 1.221E-05 1.206E-05 1.187E-05 1.161E-05 1.127E-05 2.151E-04 2.109E-04 2.072E-
04 2.041E-04 2.013E-04 1.985E-04 1.941E-04 1.881E-04 7.128E-06 6.972E-06 6.736E-
06 6.588E-06 6.444E-06 6.295E-06 6.128E-06 5.928E-06 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.845E+01 1.878E+01 2.029E+01 2.094E+01 2.138E+01 2.174E+01 2.195E+
01 2.200E+01 2.202E+01 2.202E+01 2.203E+01 2.206E+01

YEAR 8 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UC) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.061
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.061
TOTAL PRECIPITATION (CM) 0.000
TOTAL EVAPOTRANSPIRATION (CM) 0.000
TOTAL RUNOFF (CM) 0.000

[illegible] EACH MONTH; IT IS NOT PRINTED

[illegible] ALSO ON SOIL, SOIL AIR, EXPORT, ETC. CONTENT, AT

UPPER SOIL ZONE:

SUBLAYER 1:

TOTAL VOLATILIZED [illegible]

TOTAL DEGRADED (MOISTURE): 1.31[illegible]-05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.899E-05
ADSORBED SOIL (UG/G)	2.0[illegible]E-04
SOIL AIR (UG/ML)	5.77[illegible]E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	2.30[illegible]E 01

1

YEAR = 9 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS

MOIS. IN 11 (%)		7.605	9.569	12.213	13.149	11.709	10.248	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	13.149	11.709	10.245	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	10.011	7.142	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	10.185	7.007	3.101	3.(
[illegible]		[illegible]	[illegible]	[illegible]	2.139	4.277	5.459	[illegible]
[illegible] (CM)		[illegible]	[illegible]	[illegible]	0.000	0.932	0.848	[illegible]
[illegible] RUNOFF (CM)		[illegible]	[illegible]	[illegible]	0.126	0.051	0.029	[illegible]
ENW. RUNOFF (CM)		[illegible]	[illegible]	[illegible]	7.440	3.752	1.580	[illegible]
YIELD (CM)	0.005	0.074	0.120	0.103	7.565	3.803	1.007	[illegible]
PAU/MPA (GZU)	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.(
PA/MPA (GZ)	1.059	0.998	0.995	0.997	0.995	1.010	1.008	0.(

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	OCT / JUN	NOV / JUL	DEC / AUG	JAN / SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	OCT / JUN	NOV / JUL	DEC / AUG	JAN / SEP	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD. MOIS	6.360E+03	[illegible]	[illegible]	[illegible]	[illegible]	1.023E+04	8.761E+03	7.532E+03
IN SOIL MOI	2.104E+03	[illegible]	[illegible]	[illegible]	[illegible]	3.371E+03	2.891E+03	2.489E+03
ADS. ON SOIL	4.057E+05	[illegible]	[illegible]	[illegible]	[illegible]	4.275E+05	4.191E+05	4.118E+05
IN SOIL AIR	1.581E+03	1.592E+03	1.583E+03	1.495E+03	1.389E+03	1.290E+03	1.412E+03	1.490E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 1

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
C1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
C1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
C1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 2.221E+01 2.254E+01 2.305E+01 2.370E+01 2.413E+01 2.449E+01 2.470E+
01 2.476E+01 2.477E+01 2.478E+01 2.479E+01 2.482E+01

YEAR = 9 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	45.089
TOTAL EVAPOTRANSPIRATION (CM)	26.546
TOTAL SURFACE RUNOFF (CM)	17.542
TOTAL GRW RUNOFF (CM)	1.006
TOTAL MOISTURE RETENTION (CM)	19.541
TOTAL YIELD (CM)	18.548

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	4.611E+04
TOTAL DEGRADED (MOISTURE)	9.334E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SOIL ZONE 1:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

ONLY VALUES ARE PRINTED.

AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.348E-05
ADSORBED SOIL (UG/G)	1.403E-02
SOIL AIR (UG/ML)	4.910E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	2.482E-01

1

YEAR -10 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.958	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.951	0.298	2.663	5.680	8.158	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	0.115	0.135	0.598	2.139	4.277	5.469	3.2			
MOIS. RETEN (CM)	-0.822	0.311	0.411	0.463	0.722	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.684	1.337	1.647	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.000	0.025	0.218	0.202	0.016	7.440	3.752	1.580	0.5			
YIELD (CM)	0.004	0.005	0.113	0.049	0.075	7.565	3.803	1.607	0.6			
PAU/MPA (GZU)	1.005	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZU)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+00
RUNOFF	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+00
EROSION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+00
DECAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF COMPONENT ...
ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
02 [illegible] 7.259E+03 6.218E+03 5.345E-
03 4.[illegible] 2.392E+03 2.052E+03 1.766E-
04 [illegible] 3.034E+05 2.974E+05 2.923E-
05 [illegible] 9.153E+02 1.002E+03 1.058E-
03 1.122E+03 1.130E+03 1.124E+03 1.062E+03 9.860E+02

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ...
ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILE 1.084E-05 1.062E-05 1.035E-05 1.008E-05 9.851E-06 9.657E-06 9.491E-
02 [illegible] 7.830E-
03 [illegible] 6.481E-06 6.354E-06 6.244E-
05 [illegible] 1.084E-04 1.062E-04 1.044E-
04 1.029E-04 1.014E-04 1.000E-04 9.877E-05 9.749E-05 9.587E-05
SOIL AIR 3.535E-06 3.477E-06 3.427E-06 3.374E-06 3.299E-06 3.591E-06 3.513E-06 3.394E-
06 [illegible] 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible] 2.497E+01 2.529E+01 2.529E+01 2.445E+01 2.295E+01 2.725E+01 2.746E

TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
MID ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	34.090
TOTAL IRRIGATION (CM)	0.000
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW RUNOFF (CM)	18.396
TOTAL MOISTURE RETENTION (CM)	10.001
TOTAL YIELD (CM)	10.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED	3.273E+04
TOTAL DEGRADED (MOISTURE)	6.625E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.568E-06
ADSORBED SOIL (UG/G)	1.028E-06
FREE AIR (UG/ML)	3.372E-06
FREE LIGAND (UG/ML)	3.360E-01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E-01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E-01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E-01

SOIL ZONE 2:
SOIL ZONE 3:

MAX. POLL. DEPTH (M) 2.757E 01

YEAR 11 MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	7.221	2.775	5.729	8.234	10.311	7.148	6.128	3.6
SFR INFILT. (CM)	7.328	2.663	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANSP. (CM)	1.298	0.106	0.274	0.076	0.139	0.277	0.469	0.8
PERCOLATION (CM)	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.0
MOIS. REDIS (CM)	0.824	0.318	0.202	0.076	0.126	0.051	0.026	0.0
SUR. RUNOFF (CM)	0.311	0.113	0.049	0.033	7.440	3.752	1.580	0.8
GRW. RUNOFF (CM)	0.030	0.013	0.011	4.795	7.565	3.803	1.607	0.8
YIELD (CM)	0.037	-0.025	-0.087	-0.137	-0.174	-0.108		
	0.089	0.005	-0.074	-0.126	-0.170	-0.122	-0.870	
PAU/MPA (GZU)	1.008	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.008	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
UPPER SOIL ZONE:												
SUBLAYER 1												
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD	2.207E+03	2.963E+03	2.786E+03	2.442E+03	1.952E+03	1.422E+03	5.157E+03	4.417E+03	3.797E+
IN SOIL M	8.821E+03	1.184E+04	1.113E+04	9.759E+03	7.800E+03	5.682E+03	1.699E+03	1.458E+03	1.255E+
ADS ON SO	2.207E+03	2.963E+03	2.786E+03	2.442E+03	1.952E+03	1.422E+03	2.155E+05	2.113E+05	2.076E+
IN SOIL AIR	2.202E+05	2.957E+05	2.780E+05	2.437E+05	1.948E+05	1.419E+05	6.502E+02	7.118E+02	7.514E+
	7.971E+02	8.027E+02	7.985E+02	7.541E+02	7.004E+02							
SUBLAYER 2												
SUBLAYER 3												
SUBLAYER 4												
SOIL ZONE 2:												
SUBLAYER 1												
SUBLAYER 2												
SUBLAYER 3												

```
      SUBLAYER  2
      SUBLAYER  2
  SOIL ZONE 3:
      SUBLAYER  1
  LOWER SOIL ZONE.
      SUBLAYER  1
      SUBLAYER  2

 -- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --
------------------------------------------------------------------------------

  UPPER SOIL ZONE:
      SUBLAYER  1
 MOISTURE    7.698E-06 7.543E-06 7.353E-06 7.159E-06 6.998E-06 6.860E-06 6.742E-
06 6.6[illegible]E-06 6.529E-06 6.360E-06 5.938E-06 5.555E-06
 SOLUBILITY  5.064E-06 4.963E-06 4.837E-06 4.710E-06 4.604E-06 4.513E-06 4.436E-
06 4.370E-06 4.306E-06 4.250E-06 3.942E-06 3.654E-06
 ADSORBED    8.457E-05 8.287E-05 8.088E-05 7.875E-05 7.698E-05 7.546E-05 7.416E-
05 7.307E-05 7.204E-05 7.106E-05 6.591E-05 6.110E-05
 SOIL AIR    2.724E-06 2.704E-06 2.663E-06 2.619E-06 2.551E-06 2.495E-06 2.411E-
06 2.350E-06 2.307E-06 2.250E-06 2.086E-06 1.935E-06
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
      SUBLAYER  2
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
      SUBLAYER  3
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
      SUBLAYER  4
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
  SOIL ZONE 2:
  SOIL ZONE 3:
  LOWER SOIL ZONE:

 POL DEP CM  2.772E+01 2.805E+01 2.856E+01 2.921E+01 2.965E+01 3.001E+01 3.022E+
01 3.027E+01 3.029E+01 3.029E+01 3.030E+01 3.033E+01
                     YEAR -  11 ANNUAL SUMMARY REPORT
                     ================================

     -- TOTAL INPUTS (UG) --

 UPPER SOIL ZONE                    0.000E+00
 SOIL ZONE 2                        0.000E+00
 SOIL ZONE 3                        0.000E+00
 LOWER SOIL ZONE                    0.000E+00

        -- HYDROLOGIC CYCLE COMPONENTS --

 AVERAGE SOIL MOISTURE ZONE 1 (%)               9.041
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)         [illegible]
 TOTAL PRECIPITATION (CM)                       [illegible]
 TOTAL INFILTRATION (CM)                        [illegible]
 TOTAL EVAPOTRANSPIRATION (CM)                  26.546
 TOTAL SURFACE RUNOFF (CM)                      [illegible]
 TOTAL GRW RUNOFF (CM)                          18.996
 TOTAL MOISTURE RETENTION (CM)                  [illegible]
 TOTAL YIELD (CM)                               19.543
0      -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
------------------------------------------------------------------------------
 FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
------------------------------------------------------------------------------

  UPPER SOIL ZONE:
      SUBLAYER  1
          TOTAL VOLATILIZED                  2.325E+04
          TOTAL DEGRADED (MOISTURE)          4.705E+04
      SUBLAYER  2
```

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	6.786E-06
ADSORBED SOIL (UG/G)	7.476E-05
SOIL AIR (UG/ML)	2.425E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	3.033E-01

1

YEAR -12 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.669	12.213	13.149	11.709	10.245	8.9			
[illegible]			7.605	9.669	12.213	13.149	11.709	10.245	8.9			
[illegible]			7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PERCOLATION (CM)			0.778	5.736	8.258	10.311	7.148	6.128	3.9			
LAT. INFLOW (CM)			0.778	5.736	8.258	10.185	7.097	6.101	3.9			
0 [illegible] (CM)			2.668	5.668	8.158							
EVAPOTRANS. (CM)			1.915	3.274	1.717	2.139	4.277	5.469	3.9			
[illegible] (CM)			0.000	0.000	0.000							
[illegible] (CM)			0.212	0.209	0.010	0.606	-0.932	-0.948	-0.9			
[illegible] (CM)			0.113	0.029	0.075	0.126	0.051	0.020	0.0			
[illegible] (CM)			0.043	0.011	0.038							
[illegible] (CM)			0.054	0.073	4.795	7.440	3.752	1.560	0.5			
[illegible] (CM)			0.177	0.122	4.873	7.565	3.803	1.607	0.6			
[illegible]		0.005	0.004	-0.126	-0.100							

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:												
SUBLAYER 1												
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.663E+03	3.137E+03	2.697E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.207E+03	1.035E+03	8.913E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.531E+05	1.501E+05	1.475E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.619E+02	5.056E+02	5.337E+
SUBLAYER 2												
SUBLAYER 3												
SUBLAYER 4												
SOIL ZONE 2:												
SUBLAYER 1												
SUBLAYER 2												
SUBLAYER 3												
SUBLAYER 4												
SUBLAYER 5												
SUBLAYER 6												
SOIL ZONE 3:												
SUBLAYER 1												
LOWER SOIL ZONE:												
SUBLAYER 1												
SUBLAYER 2												

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:												
SUBLAYER 1												
MOISTURE	5.468E-06	5.358E-06	5.252E-06	5.149E-06	5.049E-06	4.952E-06	4.857E-06	4.765E-06	4.675E-06	4.971E-06	4.873E-06	4.778E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.270E-06	3.206E-06	3.151E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.408E 05	5.309E 05	5.220E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.812E-06	1.772E-06	1.712E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.300E+01	2.197E-
SUBLAYER 2												

SUBLAYER 2

SUBLAYER 3

[illegible] 3.982E+01 3.841E+01 3.682E+01 3.150E+01 3.200E+01 3.197E+

SOIL ZONE 1:

SOIL ZONE 2:

LOWER SOIL ZONE:

POL DEP CM 3.048E+01 3.081E+01 3.132E+01 3.197E+01 3.241E+01 3.276E+01 3.297E+01 3.303E+01 3.304E+01 3.305E+01 3.306E+01 3.309E+01

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-- TOTAL INPUTS (UG) -

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.024
TOTAL PERCOLATION (CM)	4.000E+00
TOTAL INFILTRATION (CM)	7.000E+00
TOTAL EVAPOTRANSPIRATION (CM)	2.000E+00
TOTAL SURFACE RUNOFF (CM)	1.000E+00
TOTAL GRW RUNOFF (CM)	1.000E+00
TOTAL MOISTURE RETENTION (CM)	10.543
TOTAL YIELD (CM)	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible]ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.652E+04
TOTAL DEGRADED (MOISTURE)	3.342E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON ZERO VALUES ARE PRINTED --

SOIL ZONE 1:

[illegible] (UG/ML) [illegible]

[illegible] (UG/ML) [illegible]

[illegible] (UG/ML) [illegible]

PLANT LIGAND (UG/ML) 3.880E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 3.309E-01

YEAR 13 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.707	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.707	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	2.328	2.663	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	2.298	2.106	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.706	1.634	1.915	3.271	1.766	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.221	0.311	0.411	0.463	0.722	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.087	0.137	0.141	7.440	3.752	1.580	0.5
YIELD (GM)	0.089	0.005	0.177	0.123	0.870	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

(UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.001E+00	2.225E+00	1.016E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.573E-02	7.354E-02	8.300E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.087E+05	1.066E+05	1.047E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.884E-06 3.300E-06 3.710E-06 3.512E-06 3.530E-06 3.461E-06 3.401E-
06 3.338E-06 3.291E-06 3.252E-06 3.220E-06 3.193E-06 3.170E-06 3.150E-06
ADSORBED 2.377E-05 1.882E-05 2.190E-05 2.034E-05 2.047E-05 1.997E-05 1.955E-05
1.919E-05 1.888E-05 1.861E-05 1.837E-05 1.816E-05 1.797E-05 1.780E-05
05 3.686E-05 3.534E-05 3.585E-05 3.560E-05 3.562E-05 3.543E-05 3.527E-05
SOIL AIR 1.374E-06 1.354E-06 1.360E-06 1.357E-06 1.357E-06 1.350E-06 1.344E-06
06 1.190E-06 1.164E-06 1.173E-06 1.169E-06 1.169E-06 1.162E-06 1.156E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL PER CM 3.324E+01 3.357E+01 3.407E+01 3.472E+01 3.516E+01 3.552E+01 3.573E+
01 3.579E+01 3.580E+01 3.581E+01 3.581E+01 3.582E+01

YEAR = 13 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.04
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 10.00
PRECIPITATION (CM) 44.11
RUNOFF (CM) 0.00

SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.472E-04
TOTAL DEGRADED (MOISTURE, 2.874E+04
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.428E-06
ADSORBED SOIL (UG/G)	3.771E-05
SOIL AIR (UG/ML)	1.223E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	3.534E-01

1

YEAR = 14 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.140	11.700	10.345	0.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.185	7.107	6.101	0.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.139	1.677	5.109	0.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000	0.000	0.040	0.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.120	1.051	0.020	0.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.440	3.750	1.530	0.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.505	0.000	1.007	0.9
EAC/MPA (GZU)		0.990	0.996	0.997	0.995	1.010	1.008	0.9
EA/MPA (GZ)	1.050	0.997	0.998	0.997	0.995	1.010	1.008	0.9
	1.050	1.057	1.113	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U

MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
DEGRAD MOIST	1.215E+03	1.821E+03	2.026E+03	3.128E+03	1.847E+03	1.582E+03	1.360E+
03 1.149E+03	1.062E+03	9.981E+02	9.106E+02	8.412E+02			
DEGRAD SOIL	3.351E+02	5.240E+02	5.573E+02	8.995E+02	6.089E+02	5.223E+02	4.495E+
02 3.801E+02	3.514E+02	3.305E+02	3.126E+02	2.970E+02			
ADS ON SOIL	8.495E+04	7.324E+04	7.114E+04	7.990E+04	7.722E+04	7.570E+04	7.439E+
04 7.328E+04	7.225E+04	7.137E+04	7.061E+04	6.994E+04			
N SOIL AIR	2.813E+02	2.679E+02	2.532E+02	2.112E+02	2.330E+02	2.550E+02	2.682E+
02 2.855E+02	2.875E+02	2.860E+02	2.701E+02	2.509E+02			

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

[illegible] SOIL ZONE:
SUBLAYER 1
[illegible]
SUBLAYER 2
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM 3.599E+01 3.632E+01 3.683E+01 3.748E+01 3.792E+01 3.828E+01 3.849E+01 3.854E+01 3.856E+01 3.856E+01 3.857E+01 3.860E+01

1 YEAR = 14 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	26.547
TOTAL EVAPOTRANSPIRATION (CM)	26.546
TOTAL SURFACE RUNOFF (CM)	19.542
TOTAL GRW RUNOFF (CM)	18.999
TOTAL MOISTURE RETENTION (CM)	19.001
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 8.329E+03
TOTAL DEGRADED (MOISTURE) 1.686E+04
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
[illegible]

SUBLAYER 1

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

AVERAGE POLLUTANT CONCENTRATIONS NOTE: ONLY NON

VALUES ARE PRINTED

UPPER SOIL ZONE:

SOIL MOISTURE (UG/ML)	2.425E-06
ADSORBED PHASE (UG/G)	6.678E-05
SOIL AIR (UG/ML)	8.688E-07
FREE LIGAND (UG/ML)	3.360E+01

FREE LIGAND (UG/ML)	3.360E+01
FREE LIGAND (UG/ML)	3.360E+01
FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	3.860E-01

1

YEAR -15 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.705	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.705	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.4
NET INFLT. (CM)	0.966	0.328	2.663	5.660	8.155	10.185	7.097	6.101	3.4
EVAPOTRANS. (CM)	0.000	0.298	0.916	0.424	0.556	0.556	2.139	4.277	5.469	3.8
MOIS. REMOVED (CM)	0.000	0.634	0.411	0.463	0.722	0.647	0.606	-0.932	-0.948	-0.8
PERCOLATION (CM)	0.000	0.311	0.218	0.202	0.156	0.076	0.126	0.051	0.026	0.0
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.033	7.440	3.752	1.580	0.5
GRW. RUNOFF (CM)	0.000	-0.025	0.064	1.073	4.795	4.871	7.565	3.803	1.607	0.6
YIELD (GM)	0.039	0.005	0.177	1.127	4.870	7.565	3.803	1.607	0.6
	0.039	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.046	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.046	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
SPECIE												
01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
13	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E

[illegible] COLUMN (CC) NOTE: IF CONCENTRATIONS [illegible]
[illegible] IS NOT PRINTED.

UPPER SOIL ZONE:
SUBLAYER 1
VOLATILIZED 2.930E+00 3.0[illegible] 3.0[illegible] 3.0[illegible] 3.000E+00 3.000E+00 3.000E+00 9.000E+
[illegible] 1.012E-03 1.104E-03 9.650E+
[illegible] 3.388E+02 3.708E+02 3.102E+
ADSORBED 5.[illegible] 5.[illegible] 5.[illegible] 5.[illegible] 5.483E+04 5.375E+04 5.282E+
04 [illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.654E+02 1.811E+02 1.911E+
02 2.027E+02 2.042E+02 2.031E+02 1.918E+02 1.781E+02
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
MOISTURE 1.958E-06 1.919E-06 1.871E-06 1.821E-06 1.780E-06 1.745E-06 1.715E-
06 1.[illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.171E-06 1.148E-06 1.128E-
06 [illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.958E-05 1.920E-05 1.887E-
05 [illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.[illegible] 6.489E-07 6.348E-07 6.133E-
07 5.998E-07 5.867E-07 5.722E-07 5.307E-07 4.922E-07
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 2
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

[illegible] 3.[illegible] 3.[illegible] 4.[illegible] 4.[illegible] 4.[illegible] 4.[illegible] 4.[illegible]

TOTAL INFLOW (UG)

[illegible]

HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE JUNE 1 (%)
TOTAL PERCOLATION BELOW ZONE 1 (CM)
TOTAL PRECIPITATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)
TOTAL SURFACE RUNOFF (CM)
TOTAL GW RUNOFF (CM)
TOTAL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADSORBED ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH DEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 5.914E+03
TOTAL DEGRADED (MOISTURE) 1.197E+04
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 1.729E-06
ADSORBED SOIL (UG/G) 1.902E-02
[illegible] 5.786E-07
FREE LIGAND (UG/ML) 3.360E-01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.360E-01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:

YEAR 16 MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.201	7.221	7.605	8.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.201	7.221	7.605	8.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.968	2.328	2.663	5.698	8.156	10.185	7.097	6.101	3.6
NET INFILT. (CM)	0.968	2.328	2.663	5.698	8.156	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.298	1.915	3.271	1.717	2.139	4.277	5.469	3.8
MOIS. RETAIN (CM)	0.634	0.641	1.037	1.647	0.722	0.000	-0.932	-0.948	0.8
SUR. RUNOFF (CM)	0.311	0.418	0.202	0.016	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.030	0.013	0.011	0.033	4.795	7.440	3.752	1.580	0.5
BF	0.054	-0.087	-0.137	-0.141					
YIELD (CM)	-0.025	0.177	0.128	4.970	7.565	3.803	1.607	0.6
	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.998	0.996	0.997	0.995	1.010	1.008	0.9
	1.005	1.059	1.087	0.995	0.997				
PA/MPA (GZ)			0.998	0.996	0.997	0.995	1.010	1.008	0.9
	1.006	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DECAY	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.313E+02	7.976E+02	6.857E+
N SOIL WATER	5.790E+02	5.350E+02	5.029E+02	4.356E+02	4.239E+02	3.069E+02	2.632E+02	2.266E+
ADS ON SOIL	4.816E+03	4.771E+03	4.733E+03	4.674E+03	4.655E+03	3.893E+04	3.816E+04	3.749E+
N SOIL AIR	3.694E+04	3.621E+04	3.591E+04	3.331E+04	3.307E+04	1.174E+02	1.285E+02	1.357E+
	1.439E+02	1.448E+02	1.441E+02	1.361E+02	1.284E+02				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 3

SUBLAYER 4

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.381E-06	1.303E-06	1.320E-06	1.293E-06	1.264E-06	1.239E-06	1.217E-
06 1.195E-06	9.748E-07	8.056E-07	8.073E-07	8.735E-07	8.315E-07	8.150E-07 8.009E-
07 7.884E-07	7.776E-07	7.677E-07	7.587E-07	7.504E-07	7.428E-07	
ADSORBED 1.530E-05	1.500E-05	1.499E-05	1.461E-05	1.425E-05	1.390E-05	1.363E-05 1.339E-
05 1.319E-05	1.300E-05	1.283E-05	1.190E-05	1.103E-05	1.023E-05	
SOIL GAS 4.258E-07	4.164E-07	4.086E-07	4.006E-07	3.760E-07	3.534E-07	4.607E-07 4.506E-07 4.353E-
07 4.258E-07	4.164E-07	4.086E-07	4.006E-07	3.760E-07	3.534E-07	
FREE LIGAND 3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.182E+01	2.450E+01 2.800E+01 3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 2

FREE LIGAND 3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.182E+01	2.450E+01 2.800E+01 3.197E-
01 3.725E+01						

SUBLAYER 3

FREE LIGAND 3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.182E+01	2.450E+01 2.800E+01 3.197E-
01 3.725E+01						

SUBLAYER 4

FREE LIGAND 3.772E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01	2.182E+01	2.450E+01 2.800E+01 3.197E-
01 3.725E+01						

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 4.151E+01	4.184E+01	4.234E+01	4.299E+01	4.343E+01	4.379E+01	4.400E-
01 4.405E+01	4.407E+01	4.408E+01	4.408E+01	4.411E+01		

YEAR 15 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	4.004
TOTAL PRECIPITATION (CM)	4[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

THE FINAL MASS IN SOIL VOL. ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	4.187E-03
TOTAL DEGRADED (MOISTURE)	8.457E-03

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 1:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.227E-06
ADSORBED SOIL (UG/G)	1.550E-05
SOIL AIR (UG/ML)	4.379E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	4.411E-01

YEAR -17 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.770	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.770	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	2.775	5.728	8.284	10.311	7.148	6.128	3.6
NET INFIL. (CM)	0.328	0.120	0.358	0.598	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
EVAPOTRANS. (CM)	2.298	2.606	5.603	8.156	10.185	7.087	6.101	3.6
MOIS. RETEN (CM)	0.634	0.124	0.271	0.566	2.130	4.277	5.469	3.6
SOIL WATER (CM)	0.611	0.684	0.463	0.772	0.600	-0.932	-0.946	-0.1
SURF. RUNOFF (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
SNOW MELT (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
SNOW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
RAIN	0.328	-0.025	-0.027	-0.187	-0.741	7.440	3.752	1.580	0.5
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
EVAPOTRANS. (CM)	0.298	0.606	-0.074	-0.120	-0.108	7.565	3.383	1.607	0.1
SOIL WATER (CM)	0.634	0.808	0.734	0.614	0.506	0.000	0.000	0.000	0.000	0.000	0.000	0.0
SNOW COVER (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
SNOW WATER (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
SNOW DENSITY (GM/CC)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E-00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E-00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E-00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEGRADED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.609E+02	5.661E+02	4.867E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.178E+02	1.869E+02	1.608E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.763E+04	2.708E+04	2.662E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN SOIL AIR	1.188E+02	1.030E+02	8.942E+01	7.554E+01	8.335E+01	9.125E+01	9.631E+	
1.021E+02	1.029E+02	1.023E+02	9.863E+01	8.973E+01				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	9.869E-07	9.670E-07	9.425E-07	9.176E-07	3.970E-07	8.794E-07	8.642E-	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
07 SOLUBILITY	6.492E-07	6.362E-07	6.200E-07	6.037E-07	5.301E-07	5.786E-07	5.685E-	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
07 ADSORP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
06 9.374E-06	9.238E-06	9.067E-06	8.895E-06	7.135E-06	9.867E-06	9.673E-06	9.506E-	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
07 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.270E-07	3.199E-07	3.090E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.450E-01	3.388E-01	3.197E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUBLAYER 2

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
[illegible] ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%)	[illegible]
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GRW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible] ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 2.979E+03
TOTAL DEGRADED (MOISTURE) 6.031E+03
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED

[illegible] SOIL ZONE:
[illegible] SUBLAYER 1

FREE SOLUBILITY (UG/ML) 3.000E+01

SUBLAYER 2

FULL LIGHT (UG/ML) 0.000E+01

SUBLAYER 1

FULL DARK (UG/ML) 0.000E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 4.097E 01

YEAR -18 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.965	2.328	2.775	5.775	8.237	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.965	2.298	2.663	5.685	8.138	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	0.000	0.030	0.106	0.090	0.099	0.126	0.051	0.026	0.0			
MOIS. RETEN (CM)	0.684	0.311	0.684	1.037	1.647	2.139	4.277	5.469	3.6			
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.048	0.075	0.606	-0.932	-0.948	-0.6			
GRW. RUNOFF (CM)	0.000	0.000	0.013	0.002	0.015	0.033	0.051	0.026	0.0			
YIELD (CM)	0.084	-0.025	0.064	1.073	4.785	7.440	3.752	1.580	0.5			
	0.089	0.005	0.057	0.137	0.141							
			0.177	1.122	4.870	7.565	3.803	1.607	0.6			
			-0.074	-0.126	-0.108							
PAU/MPA (GZU)		1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)		1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
		1.059	1.087	1.123	0.997							

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
SOLUTION	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.589E+02	4.016E+02	3.452E-	
ADSORBED	1.682E+02	1.576E+02	1.760E+02	1.693E+02	1.677E+02	1.677E+02	1.677E+02	1.677E+02	1.677E+02	1.546E+02	1.325E+02	1.141E-
TOTAL	1.912E+04	1.760E+04	1.965E+04	1.890E+04	1.872E+04	1.872E+04	1.872E+04	1.872E+04	1.872E+04	1.960E+04	1.821E+04	1.686E-
DECAY	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.010E-01	3.472E-01	6.000E-

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 7.004E-07 6.862E-07 6.688E-07 6.510E-07 6.364E-07 6.237E-07 6.129E-07 6.038E-07 5.980E-07 5.868E-07 5.741E-07 5.623E-07

%SOLUBILITY 4.508E-07 4.514E-07 4.400E-07 4.283E-07 4.187E-07 4.104E-07 4.032E-07 3.972E-07 3.915E-07 3.851E-07 3.780E-07 3.718E-07

ADSORBED 7.704E-06 7.548E-06 7.357E-06 7.161E-06 7.000E-06 6.861E-06 6.742E-06 6.641E-06 6.545E-06 6.455E-06 6.358E-06 6.255E-06

SOIL AIR 2.476E-07 2.460E-07 2.398E-07 2.334E-07 2.281E-07 2.236E-07 2.197E-07 2.164E-07 2.136E-07 2.096E-07 2.044E-07 1.995E-07

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 4.702E+01 4.735E+01 4.786E+01 4.851E+01 4.895E+01 4.930E+01 4.951E+01 4.957E+01 4.958E+01 4.958E+01 4.958E+01 4.958E+01

YEAR - 18 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00

SOIL ZONE 2 0.000E+00

SOIL ZONE 3 0.000E+00

LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 0.041

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 0.000

TOTAL PRECIPITATION (CM) 0.000

TOTAL EVAPOTRANSPIRATION (CM) 0.000

TOTAL RUNOFF VOLUME (CM) 0.000

TOTAL PERCOLATION (CM) 0.000

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED 2.111E+00
TOTAL DEGRADED (MOISTURE) 4.278E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML) 6.178E-07
ADSORBED SOIL (UG/G) 6.298E-06
SOIL AIR (UG/ML) 2.205E-07
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 4.963E-01

YEAR -19 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

OCT. NOV DEC JAN FEB MAR APR

SOIL LOSS FLOW (MT)	[illegible]	[illegible]	[illegible]	[illegible]	13.149	11.709	10.245	9.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (CM)	[illegible]	[illegible]	[illegible]	[illegible]	13.195	7.007	6.101	3.9
EVAPOTRANS. (CM)	2.0	[illegible]	[illegible]	[illegible]	2.139	4.277	5.469	3.8
[illegible] (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.932	-0.948	-0.8
PERCOL. UNSAT (CM)	[illegible]	[illegible]	[illegible]	[illegible]	0.126	0.051	0.026	0.0
PERC. UNSAT (CM)	0.000	[illegible]	[illegible]	[illegible]	7.440	3.752	1.580	0.5
YIELD (MT)	-0.025	[illegible]	[illegible]	[illegible]	7.565	3.803	1.607	0.0
13 0.033	0.005	-0.074	-0.120	-0.108				
PAU/MPA (GZU)		0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
99 1.006	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	2.960E+02	2.853E+02	3.643E+02	3.622E+02	3.322E+02	2.845E+02	2.446E+
02 2.085E+02	2.788E+02	2.752E+02	1.633E+02	1.511E+02			
IN SOIL_MOI	7.820E+01	9.750E+01	1.200E+02	1.258E+02	1.095E+02	9.392E+01	8.082E+
01 6.832E+01	6.317E+01	5.939E+01	5.257E+01	4.855E+01			
ADS ON SOIL	1.528E+04	1.307E+04	1.459E+04	1.421E+04	1.388E+04	1.361E+04	1.337E+
04 1.317E+04	1.298E+04	1.281E+04	1.488E+04	1.101E+04			
IN SOIL_AIR	5.971E+01	5.179E+01	4.194E+01	3.787E+01	4.189E+01	4.586E+01	4.840E+
01 5.132E+01	5.170E+01	5.141E+01	4.853E+01	4.507E+01			

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.962E-07 4.862E-07 4.737E-07 [illegible] 4.[illegible]E-07 [illegible] 4.[illegible]E-
07 [illegible]E-07 [illegible]

%SOIL [illegible] 2.[illegible]E-07 [illegible] 2.[illegible]E-
07 [illegible]E-07

ADSORBED 5.459E-06 5.348E-06 5.211E-06 [illegible] 4.[illegible]E-06 4.[illegible]E-06 4.777E-
06 [illegible]E-06

SOIL AIR 1.756E-07 [illegible] 1.[illegible]E-07 1.[illegible]E-07 1.553E-
07 [illegible]E-07 1.486E-07 1.448E-07 1.343E-07 [illegible]

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 4.978E+01 5.011E+01 5.061E+01 5.136E+01 5.170E+01 5.206E+01 5.227E+
01 5.232E+01 5.234E+01 5.235E+01 5.235E+01 5.238E+01

1

YEAR - 19 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	46.089
TOTAL INFILTRATION (CM)	45.[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	2[illegible].[illegible]
TOTAL SURFACE RUNOFF (CM)	0.[illegible]
TOTAL GRW RUNOFF (CM)	18.[illegible]
TOTAL MOISTURE RETENTION (CM)	0.[illegible]
TOTAL YIELD (CM)	19.[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.497E+03
TOTAL DEGRADED (MOISTURE)	3.031E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 1

1
-ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.277E-07
ADSORBED SPECIES (UG/G)	1.558E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	5.238E-01

1

YEAR -20 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.704	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.968	2.328	2.771	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	2.298	2.663	5.685	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	1.634	1.911	3.211	1.776	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	-0.824	-0.311	-0.683	-0.332	-0.516	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.000	0.013	0.011	0.033	7.440	3.752	1.580	0.5
YIELD (CM)	0.084	-0.025	0.064	0.087	0.133	7.565	3.803	1.607	0.6
	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9

1
G) -- -- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD	0.000E+00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E
LOAD	0.000E+00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E
LOAD	0.000E+00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E
LOAD	0.000E+00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E

P FILE: EACH MONTH; IT IS NOT PRINTED

WITHIN SOIL ZONE:

SUBLAYER 1

[illegible] 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
[illegible] 1.767E+03 2.352E+02 2.014E+02 1.731E+
[illegible] 1.359E+03 7.751E+01 6.640E+01 5.719E+
[illegible] 9.829E+03 9.633E+03 9.464E+
[illegible] 2.965E+01 3.245E+01 3.424E+
01 3.632E+01 3.855E+01 3.635E+01 3.431E+01 3.185E+01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.517E-07 3.445E-07 3.357E-07 3.267E-07 3.191E-07 3.128E-07 3.073E-
07 3.026E-07 2.982E-07 2.934E-07 2.876E-07 2.806E-07 2.726E-07 2.642E-
%SOLUBILITY 2.314E-07 2.268E-07 2.208E-07 2.143E-07 2.100E-07 2.058E-07 2.022E-
07 1.991E-07 1.962E-07 1.925E-07 1.884E-07 1.842E-07 1.802E-07 1.766E-
ADSORBED 3.558E-06 3.486E-06 3.396E-06 3.303E-06 3.227E-06 3.163E-06 3.108E-
06 3.059E-06 3.014E-06 2.965E-06 2.911E-06 2.853E-06 2.793E-06 2.736E-
SOIL AIR 1.244E-07 1.215E-07 1.195E-07 1.163E-07 1.138E-07 1.099E-
07 1.074E-07 1.050E-07 1.024E-07 9.949E-08 9.681E-08 9.422E-08 9.180E-
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible] 5.259E+01 5.280E+01 5.337E+01 5.402E+01 5.446E+01 5.482E+01 5.503E-
[illegible]

[illegible]

[illegible]
[illegible]
[illegible] [illegible]

-- [illegible] COMPONENTS

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AVERAGE SOIL MOISTURE ZONE 1 (%)                  0.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)            0.031
TOTAL PRECIPITATION (CM)                         46.039
TOTAL INFILTRATION (CM)                          45.542
TOTAL EVAPOTRANSPIRATION (CM)                    30.540
TOTAL SURFACE RUNOFF (CM)                         0.540
TOTAL GRW RUNOFF (CM)                            18.096
TOTAL MOISTURE RETENTION (CM)                     0.001
TOTAL YIELD (CM)                                 19.543
0                -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
----------------------------------------------------------------------------------
FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
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--------------------------------------------------------

     UPPER SOIL ZONE:
          SUBLAYER  1
               TOTAL VOLATILIZED                      1.058E+03
               TOTAL DEGRADED (MOISTURE)              2.146E+03
          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

     SOIL ZONE 2:
          SUBLAYER  1

          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

          SUBLAYER  5

          SUBLAYER  6

     SOIL ZONE 3:
          SUBLAYER  1

     LOWER SOIL ZONE:
          SUBLAYER  1

          SUBLAYER  2
1                       -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --
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     UPPER SOIL ZONE:
          SUBLAYER  1

                                        SOIL MOISTURE (UG/ML)   3.098E-07
                                        ADSORBED SOIL (UG/G)    [illegible]E-06
                                        SOIL AIR (UG/ML)        [illegible]E-07
                                        FREE LIGAND (UG/ML)     3.360E+01
          SUBLAYER  2

                                        FREE LIGAND (UG/ML)     3.360E+01
          SUBLAYER  3

                                        FREE LIGAND (UG/ML)     3.360E+01
          SUBLAYER  4

                                        FREE LIGAND (UG/ML)     3.360E+01
     SOIL ZONE 2:
     SOIL ZONE 3:
     LOWER SOIL ZONE:
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YEAR 21 MONTHLY RESULTS OUTPUT

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.968	1.328	2.773	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.961	1.298	2.663	5.680	8.159	10.185	7.087	6.101	3.6			
EVAPOTRANS. (CM)	1.700	1.634	0.684	1.337	1.847	0.606	-0.932	-0.948	-0.8			
MOIS. RETEN (CM)	0.000	0.311	0.113	0.049	0.016	0.126	0.051	0.026	0.0			
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	7.440	3.752	1.580	0.5			
GRW. RUNOFF (CM)	0.084	-0.025	0.084	1.073	4.795	7.565	3.803	1.607	0.6			
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.006	1.059	0.988	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZ)	1.006	1.059	0.988	0.996	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	0.000E+00	0.000E+00	0.000E+00	3.875E+02	3.609E+02							
DEGRAD_SOIL	1.188E+02	1.279E+02	1.825E+02	1.784E+02	1.914E+02	1.664E+02	1.424E+02	1.223E+				
IN_SOIL_MOI	1.033E+02	9.545E+01	8.975E+01	8.784E+01	7.357E+01							
IN_SOIL_LAY	3.921E+01	3.864E+01	6.009E+01	6.302E+01	5.484E+01	4.699E+01	4.042E+					
ADS_ON_SOIL	7.120E+03	7.271E+03	7.500E+03	7.507E+03	7.417E+03							
IN_SOIL_LAY	6.581E+03	6.489E+03	6.207E+03	5.939E+03	5.503E+03	6.954E+03	6.811E+03	6.688E+				
	2.566E+01	2.586E+01	2.594E+01	2.100E+01	1.902E+01	2.098E+01	2.295E+01	2.426E+				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 3

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.486E-07 2.436E-07 2.372E-07 2.311E-07 2.258E-07 2.211E-07 2.172E-07 2.140E-07 2.110E-07 2.086E-07 2.065E-07 2.047E-07 2.032E-07 2.020E-07 2.009E-07

SOLUBILITY 1.636E-07 1.603E-07 1.560E-07 1.519E-07 1.484E-07 1.454E-07 1.429E-07 1.408E-07 1.388E-07 1.372E-07 1.358E-07 1.346E-07 1.336E-07 1.328E-07 1.321E-07

ADSORBED 2.735E-06 2.679E-06 2.610E-06 2.542E-06 2.484E-06 2.433E-06 2.389E-06 2.354E-06 2.321E-06 2.295E-06 2.273E-06 2.255E-06 2.240E-06 2.227E-06 2.216E-06

SOIL AIR 8.798E-08 8.615E-08 8.390E-08 8.170E-08 7.981E-08 8.043E-08 7.765E-08 7.597E-08 7.433E-08 7.305E-08 7.245E-08 7.139E-08 7.050E-08 6.975E-08 6.911E-08

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 5.523E+01 5.562E+01 5.613E+01 5.678E+01 5.722E+01 5.757E+01 5.776E+01 5.784E+01 5.795E+01 5.786E+01 5.787E+01 5.790E+01

1 YEAR = 21 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.041
TOTAL PRECIPITATION (CM) 46.039
TOTAL INFILTRATION (CM) 46.039
TOTAL EVAPOTRANSPIRATION (CM) 27.000
TOTAL SURFACE RUNOFF (CM) 1.054
TOTAL GRW RUNOFF (CM) 18.086
TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 19.140

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH 12)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 7.494E+00
TOTAL DEGRADED (MOISTURE) 1.517E+00

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 1:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.191E-07
ADSORBED SOIL (UG/G)	2.410E-06
SOIL AIR (UG/ML)	7.818E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	5.790E-01

YEAR -22 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	7.925	3.328	2.775	5.729	8.254	10.311	7.143	6.128	3.8
NET INFIL. (CM)	6.958	2.998	2.652	5.680	8.158	10.185	7.097	6.101	3.8
EVAPOTRANS. (CM)	1.967	0.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8
MOIS. RECON (CM)	0.684	0.311	1.337	1.647	0.606	-0.932	-0.948	-0.8
PERC. ACROSS (CM)	0.115	0.030	0.048	0.073	0.126	0.051	0.026	0.0
GRW. BOTTOM (CM)	0.064	0.025	0.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.177	0.059	0.125	4.870	7.565	3.803	1.607	0.6
BAL/MBA (CM)	0.000	0.005	-0.074	-0.126	-0.108	0.995	1.011	1.008	0.9

C)

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
						0.000E+00	0.000E+00	0.000E+
						0.000E+00	0.000E+00	0.000E+
						0.000E+00	0.000E+00	0.000E+
						0.000E+00	0.000E+00	0.000E+
						0.000E+00	0.000E+00	0.000E+
	TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
	DEGRAD MOIS	1.378E+01	1.044E+02	1.288E+02	1.350E+02	1.173E+02	1.005E+02	8.640E+
	IN SOIL MOI	1.730E+01	5.323E+01	5.767E+01	4.241E+01	3.864E+01	3.319E+01	2.853E+
	ADS ON SOIL	5.408E+03	5.292E+03	5.156E+03	5.015E+03	4.900E+03	4.811E+03	4.721E+
	IN SOIL AIR	2.113E+01	8.831E+01	1.482E+02	1.875E+02	1.478E+01	1.621E+01	1.700E+
		1.812E+01	1.822E+01	1.812E+01	1.710E+01	1.587E+01		

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MOISTURE	1.756E-07	1.718E-07	1.674E-07	1.629E-07	1.581E-07	1.502E-07	1.533E-
	SOIL PHASE	1.410E-07	1.456E-07	1.559E-07	1.570E-07	1.647E-07	1.028E-07	1.009E-
	ADSORBED	9.177E-08	9.627E-08	1.093E-07	1.170E-07	1.750E-08	1.718E-08	1.686E
	VAPOR	1.115E-08	4.657E-08	7.818E-08	9.889E-08	5.709E-08	5.631E-08	5.452E
	FREE LIQUID	3.673E-01	4.107E-01	4.938E-01	5.350E-01	2.450E-01	2.800E+01	3.197E-

SUBLAYER 2

TREE-LEAND 5.[illegible] 5.9[illegible] 5.9[illegible] 6.1[illegible] 6.4[illegible] 6.[illegible]

SUBLAYER 3

TREE-LEAND 5.[illegible] 5.9[illegible] 5.9[illegible] 6.1[illegible] 6.4[illegible] 6.[illegible]

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CN 5.805E+01 5.838E+01 5.888E+01 5.952E+01 5.997E+01 6.033E+01 6.054E+01 6.065E+01 6.061E+01 6.062E+01 6.062E+01 6.062E+01

YEAR = 22 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.041
TOTAL PRECIPITATION (CM)	45.089
TOTAL INFILTRATION (CM)	24.544
TOTAL EVAPOTRANSPIRATION (CM)	20.546
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW RUNOFF (CM)	1.000
TOTAL MOISTURE RETENTION (CM)	19.001
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI -- ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	5.272E+02
TOTAL DEGRADED (MOISTURE)	1.070E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

FREE LIGAND (UG/ML) 5.500E+01

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 1:
SOIL ZONE 2:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 6.065E-01

YEAR 23 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.066	0.328	2.773	5.733	8.287	10.311	7.148	6.128	3.5
NET INFILT. (CM)	0.066	0.328	2.663	5.680	8.153	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.951	0.298	0.110	0.124	0.556	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	1.700	0.634	0.111	0.483	0.722	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.224	0.311	0.218	0.002	0.016	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	7.440	3.752	1.560	0.5
YIELD (KG)	0.084	-0.025	0.087	1.073	4.795	7.565	3.803	1.607	0.6
	0.089	0.005	0.174	0.137	4.121				
				0.126	4.870				
RAU/MPA (GZU)	1.008	1.058	0.998	0.996	0.997	0.995	1.010	1.008	0.9
RA/MPA (GZ)	1.008	1.059	0.993	0.995	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
VEGETATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.043E+01	6.832E+01	5.838E-
IN SOIL MOI	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.639E+01	2.247E+01	1.924E-
ADS [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.347E+03	3.256E+03	3.135E-
SOIL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.010E+01	1.097E+01	1.152E-

[illegible] 1.414E-08 1.350E-08 [illegible]
[illegible] 1.713E-02 2.499E-01 [illegible] 6.940E-01 6.085E-01 6.160E-
[illegible] 1.079E-01 4.153E-01 [illegible] 2.657E 01 3.362E 01 3.899E-

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.238E-07 1.209E-07 1.167E-07 1.122E-07 1.087E-07 1.057E-07 1.034E-07 1.017E-07 1.001E-07 9.865E-08 9.715E-08 9.544E-08
%SOLUBILITY 8.142E-08 7.934E-08 7.678E-08 7.389E-08 7.149E-08 6.956E-08 6.803E-08 6.686E-08 6.588E-08 6.491E-08 6.381E-08 6.256E-08
ADSORBED 1.381E-06 1.347E-06 1.303E-06 1.254E-06 1.213E-06 1.180E-06 1.154E-06 1.134E-06 1.118E-06 1.102E-06 1.084E-06 1.063E-06
SOIL AIR 4.380E-08 4.334E-08 4.268E-08 4.193E-08 4.103E-08 3.961E-08 3.846E-08 3.697E-08 3.609E-08 3.509E-08 3.394E-08 3.260E-08
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 0.000E+00 2.600E-10 1.260E-09 2.260E-09 2.860E-09 3.240E-09 3.310E-09 3.310E-09 3.300E-09 3.300E-09 3.300E-09 3.300E-09
%SOLUBILITY 0.000E+00 1.711E-10 1.289E-10 1.487E-10 1.882E-09 2.132E-09 2.178E-09 2.178E-09 2.171E-09 2.171E-09 2.171E-09 2.171E-09
ADSORBED 0.000E+00 2.860E-08 1.386E-08 2.466E-08 3.146E-08 3.564E-08 3.641E-08 3.641E-08 3.630E-08 3.630E-08 3.630E-08 3.630E-08
SOIL AIR 0.000E+00 6.320E-11 4.502E-10 8.267E-10 1.043E-09 1.178E-09 1.184E-09 1.175E-09 1.152E-09 1.148E-09 1.148E-09 1.148E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

SOL DEP CM 6.080E+01 6.112E+01 6.164E+01 6.229E+01 6.278E+01 6.309E+01 6.330E+01 6.338E+01 6.337E+01 6.338E+01 6.341E+01 [illegible]

-- TOTAL INPUTS (UG) --

[illegible]

HYDROLOGIC CYCLE COMPONENTS

AVERAGE RATE OF WATER FLOW (M)
AVERAGE RATE OF WATER FLOW BELOW ZONE 1 (M)
TOTAL PRECIPITATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)
TOTAL RUNOFF (CM)
TOTAL SNOWMELT (CM)
TOTAL GROUNDWATER RETENTION (CM)
TOTAL YIELD (CM)

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL NOT ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 3.544E+02
TOTAL DEGRADED (MOISTURE) 7.350E+02
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 1.400E+01
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 1.056E-07
ABSORBED SOIL (UG/G) 3.162E-06
SOIL AIR (UG/ML) 3.770E-08
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 3.475E-09
ABSORBED SOIL (UG/G) 1.723E-05
SOIL AIR (UG/ML) 1.005E-08
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

- HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.966	3.328	2.775	5.729	3.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	2.298	2.664	5.680	3.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	1.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	-0.824	0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.049	0.076	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.000	0.013	0.001	0.033	7.440	3.753	1.580	0.5
YIELD (CM)	-0.025	0.087	-0.077	-0.227	4.795	7.565	3.803	1.607	0.6
	0.039	0.005	-0.074	-0.126	-0.108				
RAU/MPA (GZU)	1.000	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
RA/MPA (GZ)	1.000	1.059	0.997	0.993	0.997	0.995	1.010	1.008	0.9
	1.000	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD(UPPER)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD(ZONE 2)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD(ZONE 3)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD(LOWER)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	3.857E+01	3.817E+01	1.225E+02	1.138E+02	5.375E+01	4.566E+01	3.904E+
	3.288E+01	4.710E+01	5.527E+01	5.252E+01			
N SOIL MOI	1.308E+01	1.620E+01	1.976E+01	2.045E+01	1.764E+01	1.501E+01	1.288E+
ADS. ON SO	2.087E+01	2.015E+03	2.345E+03	2.303E+03	2.648E+03	2.237E+03	2.176E+03	2.131E+
N SOIL LAY	2.096E+03	2.675E+03	2.504E+03	1.807E+03	1.734E+03			
	3.155E+00	8.195E+00	8.133E+00	7.685E+00	7.099E+00	6.748E+00	7.332E+00	7.712E+

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DEGRAD MOIS	1.562E+00	2.080E+00	2.895E+00	3.526E+00	3.474E+00	3.252E+00	2.937E+
N SOIL MOI	1.295E+00	1.208E+00	1.227E+00	1.173E+00	1.119E+00			
ADS. ON SO	3.306E-01	7.788E-01	7.426E-01	7.089E-01	7.063E-01	1.197E+00	1.118E+00	9.789E-
N SOIL LAY	1.502E+02	1.502E+02	1.502E+02	1.502E+02	1.417E+02	1.518E+02	1.620E+02	1.620E+
	8.240E-01	8.374E-01	8.428E-01	8.545E-01	8.557E-01	1.502E+02						
										4.581E-01	5.458E-01	5.862E-

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.280E-08 8.076E-08 7.801E-08 7.497E-08 7.262E-08 7.066E-08 6.920E-08 6.804E-08 6.635E-08 [illegible] [illegible] [illegible]
%SOLUBILITY 5.454E-08 [illegible] [illegible] [illegible] 4.778E-08 4.649E-08 4.553E-08 4.476E-08 4.399E-08 [illegible] [illegible] [illegible]
ADSORBED [illegible] [illegible] [illegible] [illegible] 7.983E-07 7.773E-07 7.612E-07 7.484E-07 7.355E-07 [illegible] [illegible] [illegible]
SOIL AIR [illegible] [illegible] [illegible] [illegible] 2.647E-08 2.570E-08 2.475E-08 2.415E-08 2.355E-08 2.291E-08 2.121E-08 1.961E-08
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 3.300E-09 3.620E-09 4.000E-09 4.600E-09 4.930E-09 5.260E-09 5.260E-09 5.200E-09 5.200E-09 5.200E-09 5.200E-09 5.200E-09
%SOLUBILITY 2.171E-09 2.382E-09 2.632E-09 3.026E-09 3.243E-09 3.461E-09 3.461E-09 3.421E-09 3.421E-09 3.421E-09 3.421E-09 3.421E-09
ADSORBED 3.630E-08 3.982E-08 4.400E-08 5.060E-08 5.423E-08 5.786E-08 5.786E-08 5.720E-08 5.720E-08 5.720E-08 5.720E-08 5.720E-08
SOIL AIR 1.188E-09 1.298E-09 1.448E-09 1.633E-09 1.797E-09 1.913E-09 1.881E-09 1.846E-09 1.832E-09 1.811E-09 1.811E-09 1.812E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 6.356E+01 6.389E+01 6.440E+01 6.505E+01 6.549E+01 6.584E+01 6.605E+01 6.611E+01 6.612E+01 6.612E+01 [illegible] [illegible]

YEAR - 24 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 0.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) [illegible]
TOTAL PRECIPITATION (CM) [illegible]
TOTAL INFILTRATION (CM) [illegible]
TOTAL EVAPOTRANSPIRATION (CM) [illegible]
TOTAL SURFACE RUNOFF (CM) [illegible]
TOTAL GRW RUNOFF (CM) 18.[illegible]
TOTAL MOISTURE RETENTION (CM) [illegible]
TOTAL YIELD (CM) [illegible].543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

TOTAL VOLATILIZED 2.363E+02
TOTAL DEGRADED (MOISTURE) 4.515E+02

SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 3.103E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUELAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	7.058E-08
ADSORBED SOIL (UG/G)	7.764E-07
SOIL AIR (UG/ML)	2.519E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	4.747E-08
ADSORBED SOIL (UG/G)	5.222E-07
SOIL AIR (UG/ML)	1.692E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	6.617E-01

1

YEAR -25 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
[illegible]	[illegible]	7.605	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.148	11.782	10.245	8.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.148	11.782	10.245	8.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

```
 EVAPOTRANS. (CM)      1.915    0.277    [illegible]  0.109    1.277    [illegible]   0.[illegible]
 MOIS. RETEN (CM)      0.681    [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
 [illegible] RUNOFF (CM)  0.[illegible]  0.075   [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
 [illegible] RUNOFF (CM)  0.030  0.013   0.071    [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
 [illegible] 0.[illegible]  0.025  0.027   0.137    [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
 [illegible] 0.[illegible]  0.005  0.074   0.110    [illegible]  [illegible]  [illegible]  [illegible]  [illegible]

 PAU/MPA (SZU)         1.059    0.998    0.998    [illegible]  0.995    1.010    1.000    0.[illegible]
 PA/MPA (SZ)  1.000    1.059    1.087    0.995    0.907   0.995    1.010    1.000    0.[illegible]
                                                          POLLUTANT MASS INPUT TO COLUMN (U
G) --
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          MAY          OCT          NOV          DEC          JAN          FEB          MAR          APR
                       JUN          JUL          AUG          SEP
 PRECIP          0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  0.000E+00  0.000E+00
 LOAD UPPER      0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  0.000E+00  0.000E+00
 LOAD ZONE 2     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  0.000E+00  0.000E+00
 LOAD ZONE 3     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  0.000E+00  0.000E+00
 LOAD LOWER      0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  0.000E+00  0.000E+00

 TOTAL INPUT     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  0.000E+00  0.000E+00
              -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
---------------------------------------------------------------------------------------

      UPPER SOIL ZONE:
           SUBLAYER  1
 VOLATILIZED     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00     0.000E+00  0.000E+00  8.028E+01  7.483E+01
 DEGRAD MOIS     2.624E+01  3.264E+01  3.[illegible]E+01  4.142E+01  3.561E+01  3.021E+01  2.573E+
01 2.160E+01     1.[illegible]E+01  1.867E+01  1.[illegible]E+01  1.567E+01
 IN SOIL MOI     8.[illegible]E+00  1.074E+01  1.[illegible]E+01  1.[illegible]E+01  1.169E+01  9.917E+00  8.468E+
00 7.135E+00     6.[illegible]E+00  6.[illegible]E+00  5.[illegible]E+00  5.[illegible]E+00
 ADS ON SOIL     1.695E+03  1.649E+03  1.[illegible]E+03  1.529E+03  1.483E+03  1.437E+03  1.401E+
03 1.376E+03     1.[illegible]E+03  1.[illegible]E+03  1.[illegible]E+03  1.[illegible]E+03
 IN SOIL AIR     5.628E+00  5.703E+00  4.575E+00  4.[illegible]E+00  4.473E+00  4.842E+00  5.071E+
00 5.360E+00     5.371E+00  5.324E+00  5.034E+00  4.665E+00
           SUBLAYER  2
 DEGRAD MOIS     2.461E+00  3.128E+00  4.014E+00  4.474E+00  4.109E+00  3.595E+00  3.149E+
00 2.885E+00     2.516E+00  2.[illegible]E+00  2.[illegible]E+00  2.282E+00
 IN SOIL MOI     8.202E-01  1.043E+00  1.[illegible]E+00  1.535E+00  1.370E+00  1.198E+00  1.050E+
00 8.945E-01     8.387E-01  7.[illegible]E-01  7.[illegible]E-01  7.[illegible]E-01
 ADS ON SOIL     1.[illegible]E+02  1.[illegible]E+02  1.[illegible]E+02  1.734E+02  1.737E+02  1.767E+02  1.737E+
02 1.725E+02     1.725E+02  1.725E+02  1.725E+02  1.725E+02
 IN SOIL AIR     6.257E-01  5.540E-01  4.691E-01  4.635E-01  5.241E-01  5.852E-01  6.285E-
01 6.720E-01     6.864E-01  6.922E-01  7.046E-01  7.001E-01
           SUBLAYER  3

           SUBLAYER  4

      SOIL ZONE 2:
           SUBLAYER  1

           SUBLAYER  2

           SUBLAYER  3

           SUBLAYER  4

           SUBLAYER  5

           SUBLAYER  6

      SOIL ZONE 3:
           SUBLAYER  1

      LOWER SOIL ZONE:
           SUBLAYER  1

           SUBLAYER  2
```

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	45.000
TOTAL INFILTRATION (CM)	45.000
TOTAL EVAPOTRANSPIRATION (CM)	25.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW RUNOFF (CM)	18.996
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	18.996

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI, ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.551E+02
TOTAL DEGRADED (MOISTURE)	3.246E+02

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	3.710E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 4

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NOI

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.657E-06
ADSORBED SOIL (UG/G)	5.143E-07
SOIL AIR (UG/ML)	1.582E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.521E-09
ADSORBED SOIL (UG/G)	6.073E-08
SOIL AIR (UG/ML)	1.868E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	6.892E-01

YEAR -26 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.955	0.328	2.775	5.729	8.284	10.311	7.148	6.128	3.9			
NET INFILT. (CM)	0.951	0.298	2.661	5.685	8.159	10.185	7.097	6.101	3.8			
EVAPOTRANS. (CM)	1.700	1.634	0.114	0.124	0.566	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	0.000	0.684	1.338	1.453	1.547	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.000	0.000	0.000	0.076	0.126	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0			
YIELD (GZU)	0.089	-0.025	-0.074	-0.126	-0.106	0.000	0.000	0.000	0.0			
PAU/MPA (GZU)	0.089	0.005	-0.074	-0.126	-0.106	0.000	0.000	0.000	0.0			
PRA/MPA (GZU)	0.089	1.059	0.938	0.396	0.997	0.995	1.010	1.003	0.9			
PRA/MPA (GZU)	0.089	1.059	0.938	0.396	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (G) --

[illegible]

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E-00 0.000E

[illegible] MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT

IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E
00 0.000E+00 0.000E+00 0.000E+00 5.158E+01 2.794E+01
DEGRAD MOIS 1.728E+01 2.138E+01 2.614E+01 2.703E+01 2.311E+01 1.958E+01 1.668E
01 1.396E+01 1.285E+01 1.200E+01 1.089E+01 1.004E+01
IN SOIL MOI 5.597E+00 7.031E+00 8.557E+00 8.811E+00 7.562E+00 6.438E+00 5.485E
00 4.613E+00 4.239E+00 3.958E+00 3.498E+00 3.214E+00
ADS ON SOIL 1.112E+03 1.380E+03 1.642E+03 1.951E+03
02 1.395E+02 8.716E+02 8.537E+02 7.903E+02 7.287E+02 9.591E+02 9.332E+02 9.076E
IN SOIL AIR 2.346E+00 2.735E+00 2.994E+00 2.669E+00 2.893E+00 3.144E+00 3.384E
00 3.466E+00 3.469E+00 3.428E+00 3.230E+00 2.983E+00

SUBLAYER 2

DEGRAD MOIS 2.650E+00 3.369E+00 4.256E+00 4.582E+00 4.080E+00 3.570E+00 3.127E
00 2.683E+00 2.516E+00 2.399E+00 2.190E+00 2.022E+00
IN SOIL MOI 8.583E-01 1.092E+00 1.379E+00 1.419E+00 1.360E+00 1.190E+00 1.042E
00 8.945E-01 8.387E-01 7.997E-01 7.535E-01 7.007E-01
ADS ON SOIL 1.725E+02 1.725E+02 1.725E+02 1.725E+02 1.725E+02 1.725E+02 1.725E
02 1.725E+02 1.725E+02 1.725E+02 1.725E+02 1.725E+02
IN SOIL AIR 6.736E-01 5.956E-01 4.957E-01 4.610E-01 5.203E-01 5.811E-01 6.241E
01 6.720E-01 6.864E-01 6.922E-01 7.048E-01 7.061E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.612E-02 3.506E-02 3.382E-02 3.231E-02 3.114E-02 3.030E-02 2.947E
02 2.882E-02 2.855E-02 2.827E-02 2.775E-02 2.727E-02
SOLUBILITY 2.372E-08 2.307E-08 2.225E-08 2.125E-08 2.049E-08 1.993E-08 1.939E
08 1.893E-08 1.875E-08 1.856E-08 1.822E-08 1.790E-08
ADSORBED 3.977E-07 3.863E-07 3.726E-07 3.559E-07 3.430E-07 3.333E-07 3.242E
07 3.171E-07 3.142E-07 3.110E-07 3.053E-07 3.000E-07
FREE AND 1.177E-07 1.143E-07 1.103E-07 1.054E-07 1.015E-07 9.866E-08 9.594E
08 9.384E-08 9.302E-08 9.207E-08 9.038E-08 8.881E-08
02 1.025E-02 9.972E-03 9.572E-03 9.055E-03 8.652E-03 8.409E-03 8.177E
03 7.995E-03 7.924E-03 7.843E-03 7.699E-03 7.564E-03
01 8.725E-01 8.973E-01 9.167E-01 9.364E-01 9.380E-01 2.450E+01 2.800E+01 3.197E

SUBLAYER 2

[illegible]

[illegible]

01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 [illegible]

SUBLAYER 3

FREE LIGAND 3.772E+01 3.967E+01 4.149E+01 4.[illegible]
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 [illegible]

SUBLAYER 4

FREE LIGAND 3.772E+01 3.967E+01 4.149E+01 4.[illegible]
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 [illegible]

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 6.907E+01 6.940E+01 6.981E+01 7.056E+01 7.100E+01 7.136E+01 7.157E+
01 7.162E+01 7.164E+01 7.164E+01 7.165E+01 7.168E+01

YEAR = 25 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GRW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI__ ADS__ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEQ)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	8.951E+01
TOTAL DEGRADED (MOISTURE)	2.110E+02

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	3.780E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

[illegible] NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

[illegible]

SUBLAYER 2

[illegible]

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 7.168E-01

YEAR -27 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.968	0.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	0.958	0.298	2.663	5.680	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	0.958	0.298	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	1.700	1.634	0.411	0.463	0.722	0.608	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.044	0.311	0.748	1.337	1.647	0.128	0.051	0.026	0.0			
GRW. RUNOFF (CM)	0.000	0.030	0.013	0.049	0.075	0.033						
YIELD (CM)	0.089	-0.025	0.067	0.073	0.137	0.141	7.440	3.752	1.580	0.5		
PAU/MPA (GZU)	1.006	1.059	0.998	1.087	0.996	1.123	0.997	0.997	7.565	3.803	1.607	0.6
PA/MPA (GZ)	1.006	1.059	0.998	1.087	0.996	1.123	0.997	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD FROM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD FROM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I

S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

[illegible] 4.125E 00 4.057E 00 3.480E-

[illegible] 1.140E 00 2.000E 00 2.004E

SUBLAYER

[illegible] 4.000E 00 3.670E 00 3.127E
[illegible] 1.100E 00 1.100E 00 1.042E
ADS [illegible] 1.725E+02 1.725E-02 1.725E-
[illegible] 5.203E-01 5.511E-01 6.241E-
01 6.720E-01 6.804E-01 6.852E-01 7.043E-01 7.061E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.306E-08 2.240E-08 2.151E-08 2.064E-08 1.987E-08 1.928E-08 1.870E-
08 1.870E-08 1.870E-08 1.870E-08 1.870E-08 1.870E-08 1.870E-08
SOLUBILITY 1.517E-08 1.474E-08 1.415E-08 1.358E-08 1.307E-08 1.268E-08 1.230E-
08 1.230E-08 1.230E-08 1.230E-08 1.230E-08 1.230E-08 1.230E-08
ADSORBED 2.537E-07 2.464E-07 2.365E-07 2.270E-07 2.186E-07 2.121E-07 2.057E-
07 2.057E-07 2.057E-07 2.057E-07 2.057E-07 2.057E-07 2.057E-07
SOIL AIR 8.180E-09 7.949E-09 7.632E-09 7.327E-09 7.050E-09 6.843E-09 6.638E-
09 6.638E-09 6.638E-09 6.638E-09 6.638E-09 6.638E-09 6.638E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-
09 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-09
SOLUBILITY 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-
09 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-09
ADSORBED 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-
08 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-08
SOIL AIR 1.988E-09 1.972E-09 1.950E-09 1.929E-09 1.909E-09 1.894E-09 1.880E-
09 1.880E-09 1.880E-09 1.880E-09 1.880E-09 1.880E-09 1.880E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

TOTAL INPUTS (UG)

UPPER SOIL ZONE	0.000E+00
[illegible]	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.241
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.241
TOTAL PRECIPITATION (CM)	4.133E+00
TOTAL INFILTRATION (CM)	4.133E+00
TOTAL EVAPOTRANSPIRATION (CM)	2.545E+00
TOTAL SURFACE RUNOFF (CM)	1.588E+00
TOTAL GRW RUNOFF (CM)	0.000E+00
TOTAL MOISTURE RETENTION (CM)	0.000E+00
TOTAL YIELD (CM)	1.543E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	6.668E+01
TOTAL DEGRADED (MOISTURE)	1.358E+02

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	3.780E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.954E-08
ADSORBED SOIL (UG/G)	2.128E-07
[illegible] WITH YIELDS (UG/L)	8.972E-09
FREE LIGAND (UG/ML)	5.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.860E-08
ADSORBED SOIL (UG/G)	6.380E-07
[illegible] WITH YIELDS (UG/L)	2.691E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE.

YEAR -29 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.966	0.328	2.771	5.729	8.234	10.311	7.140	6.128	3.6			
NET INFILT. (CM)	0.961	0.298	2.668	5.685	8.158	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.700	0.634	1.911	3.263	1.550	2.139	4.277	5.469	3.8			
MOIS. RETEN (CM)	0.822	0.311	0.694	1.337	1.547	0.606	-0.932	-0.948	-0.8			
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.000	0.000	0.075	0.126	0.051	0.026	0.0		
GRW. RUNOFF (CM)	0.084	0.030	0.013	0.044	0.073	0.011	4.795	7.440	3.752	1.580	0.5	
YIELD (CM)	0.084	-0.025	-0.087	-0.137	-0.122	-0.174	4.870	7.565	3.803	1.607	0.6	
PAU/MPA (GZU)	0.089	0.005	-0.074	-0.126	-0.106							
PA/MPA (GZ)	1.005	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	1.385E+00	1.061E+00	1.198E+00	2.122E+00	1.175E+00	1.675E+00	9.827E+00	8.230E+00	7.035E+			
N [illegible]	5.038E+00	2.061E+00	3.288E+00	5.757E+00	8.247E+00	3.206E+00	2.682E+00	2.345E+				
ADS [illegible]	2.013E+00	1.385E+00	1.729E+00	3.257E+00	4.244E+00	4.035E+02	3.807E+02	3.881E+				
IN [illegible]	1.572E+00	1.544E+00	1.557E+00	1.592E+00	1.534E+00	1.217E+00	1.309E+00	1.404E+				

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DEGRAD MOIS	2.650E+00	3.369E+00	4.256E+00	4.522E+00	4.080E+00	3.570E+00	3.127E+					
N [illegible]	1.514E+00	1.800E+00	1.190E+00	1.043E+								
[illegible]	5.345E+01	5.247E+01	7.257E+01	7.887E+01	7.887E+01	1.725E+02	1.725E+02	1.725E+				
ADS [illegible]	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+				
IN [illegible]	6.720E-01	6.302E-01	6.852E-01	7.042E-01	7.061E-01	5.208E-01	5.811E-01	6.241E-				

SUBLAYER 3

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.560E-08 1.500E-08 1.438E-08 1.378E-08 1.320E-08 1.262E-08 1.260E-
08 1.280E-08 1.280E-08
SOLUBILITY 9.722E-09 9.638E-09 9.451E-09 9.056E-09 8.684E-09 8.303E-09 8.289E-
09 8.289E-09 8.289E-09
ADSORBED 1.716E-07 1.653E-07 1.582E-07 1.516E-07 1.452E-07 1.388E-07 1.386E-
07 1.386E-07 1.386E-07
SOIL AIR 5.531E-09 5.377E-09 5.207E-09 5.041E-09 4.812E-09 4.590E-09 4.506E-
09 4.473E-09 4.473E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-09 5.600E-
09 5.600E-09 5.600E-09
SOLUBILITY 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-09 3.684E-
09 3.684E-09 3.684E-09
ADSORBED 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-08 6.160E-
08 6.160E-08 6.160E-08
SOIL AIR 1.984E-09 1.930E-09 1.870E-09 1.810E-09 1.728E-09 1.648E-09 2.041E-09 2.037E-09 2.003E-
09 1.998E-09 1.998E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 7.459E+01 7.492E+01 7.542E+01 7.607E+01 7.651E+01 7.687E+01 7.708E+
01 7.713E+01 7.715E+01 7.716E+01 7.718E+01 7.719E+01

YEAR = 28 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 0.04
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 0.04
TOTAL PRECIPITATION (CM) 89.04
TOTAL EVAPOTRANSPIRATION (CM) 89.04

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED [illegible]
TOTAL DEGRADED (MOISTURE) 6.036E-01
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 3.780E+01
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.310E-08
ADSORBED SOIL (UG/G)	1.441E-07
SOIL AIR (UG/ML)	4.673E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.600E-09
ADSORBED SOIL (UG/G)	6.160E-08
SOIL AIR (UG/ML)	1.998E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	7.719E-01

1

YEAR 29 MONTHLY RESULTS (OUTPUT)

	MAY	JUN	OCT / JUL	NOV / AUG	DEC / SEP	JAN	FEB	MAR	APR
MOIS. ... (%)	7.704	7.221	7.005	9.573	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOIS. ... CW	7.701	7.221	7.005	9.573	[illegible]	10.140	[illegible]	11.245	[illegible]
PRECIPITATION (CM)	0.997	0.328	2.775	5.729	[illegible]	10.011	[illegible]	7.129	[illegible]
NET INPUT (CM)	0.951	0.298	2.651	5.004	[illegible]	10.100	[illegible]	6.101	[illegible]
EVAPOTRANS. (CM)	2.700	0.634	1.916	3.274	1.772	2.100	[illegible]	1.400	[illegible]
MOIS. RETEN (CM)	-0.824	0.311	0.604	1.337	1.647	0.600	0.902	0.948	0.
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.016	0.126	0.051	0.026	0.
GRW. RUNOFF (CM)	0.084	-0.025	0.064	1.073	4.795	7.449	3.752	1.580	0.
YIELD (CM)	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.
PAU/MPA (GZU)	1.005	1.059	0.998 / 1.087	0.996 / 1.123	0.997	0.995	1.010	1.008	0.
PA/MPA (GZ)	1.006	1.059	0.998 / 1.087	0.996 / 1.123	0.997	0.895	1.010	1.008	0.

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	OCT / JUN	NOV / JUL	DEC / AUG	JAN / SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	4.458E+00	5.017E+00	6.324E+00	7.743E+00	7.846E+00	6.776E+00	5.928E+00	5.192E+
IN SOIL MOI	1.485E+00	1.672E+00	2.106E+00	2.508E+00	2.536E+00	2.259E+00	1.976E+00	1.731E+
ADS ON SOIL	2.864E+02	3.285E+02	3.228E+02	3.049E+02	2.864E+02	2.864E+02	2.864E+02	2.864E+
IN SOIL AIR	1.115E+00	1.140E+00	1.150E+00	1.062E+00	9.671E-01	8.641E-01	9.650E-01	1.036E+

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
DEGRAD MOIS	2.683E+00	2.650E+00	3.369E+00	4.256E+00	4.582E+00	4.080E+00	3.570E+00	3.127E+
IN SOIL MOI	8.945E-01	8.833E-01	1.123E+00	1.419E+00	1.527E+00	1.360E+00	1.190E+00	1.042E+
ADS ON SOIL	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+
IN SOIL AIR	6.720E-01	5.738E-01	5.955E-01	4.957E-01	4.610E-01	5.203E-01	5.811E-01	6.241E-

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/L) OF (UG/L) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	1.060E-08	1.050E-08	9.900E-09	9.300E-09	9.300E-09	9.300E-09	9.300E-
09 9.300E-09	9.300E-09	9.300E-09	9.300E-09	9.300E-09	9.300E-09	9.300E-09	9.300E-
KSOLUBILITY	9.974E-09	9.974E-09	9.974E-09	9.974E-09	9.974E-09	6.118E-09	6.118E-09
09 6.118E-09	6.118E-09	6.118E-09	6.118E-09	6.118E-09	6.118E-09	6.118E-09	6.118E-
ADSORBED	1.166E-07	1.152E-07	1.137E-07	1.123E-07	1.108E-07	1.023E-07	1.023E-07
07 1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-
SOIL AIR	1.251E-08	1.236E-08	1.220E-08	1.205E-08	1.189E-08	3.390E-09	3.383E-09
09 3.301E-09	3.278E-09	3.256E-09	3.233E-09	3.211E-09	3.188E-09	3.166E-09	3.326E-
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

MOISTURE	5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-
09 5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-09	5.600E-
KSOLUBILITY	3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-
09 3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-09	3.684E-
ADSORBED	6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-08
08 6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-08	6.160E-
SOIL AIR	1.988E-08	1.977E-08	1.965E-08	1.954E-08	1.942E-08	2.041E-09	2.037E-09
09 1.988E-09	1.972E-09	1.956E-09	1.940E-09	1.924E-09	1.908E-09	1.892E-09	2.003E-
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM	7.734E+01	7.767E+01	7.818E+01	7.883E+01	7.927E+01	7.963E+01	7.984E+
01 7.989E+01	7.991E+01	7.991E+01	7.992E+01	7.995E+01			

YEAR - 29 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.044
TOTAL PRECIPITATION (CM)	4.[illegible]9
TOTAL INFILTRATION (CM)	2.[illegible]6
TOTAL EVAPOTRANSPIRATION (CM)	2.[illegible]6
TOTAL SURFACE RUNOFF (CM)	1.[illegible]5
TOTAL GRW RUNOFF (CM)	1.[illegible]5
TOTAL MOISTURE RETENTION (CM)	1.[illegible]5
TOTAL YIELD (CM)	1.[illegible]5

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED	8.277E+01
TOTAL DEGRADED (MOISTURE)	8.434E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	8.780E+01

SUBLAYER 3

[illegible] ZONE 2:
[illegible] 1
[illegible] 2
[illegible] 3
[illegible] 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

*ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	9.351E-09
ADSORBED SOIL (UG/G)	1.028E-07
SOIL AIR (UG/ML)	3.235E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.600E-08
ADSORBED SOIL (UG/G)	6.160E-06
SOIL AIR (UG/ML)	1.938E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	7.995E-01

YEAR -30 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	10.775	5.719	8.023	10.311	7.148	6.128	3.6
SNOW-MELT (CM)	2.653	5.669	8.015	10.185	7.097	6.101	3.6
EVAPOTRANSP. (CM)	1.915	3.274	1.772	2.139	4.277	5.469	3.8
MOIS. TRTLEN (CM)	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
PERC. ROOTZ (CM)	0.113	0.049	0.075	0.126	0.051	0.026	0.0
RUNOFF (CM)	0.013	0.021	0.093	7.440	3.752	1.580	0.5
SNOW. ROOTZ (CM)	0.083	1.071	4.795				
[illegible]	0.025	0.087	0.137	4.871	7.585	3.808	1.607	0.6
[illegible]	0.025	0.074	0.126	0.188				

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:								
SUBLAYER 1								
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.318E+00	4.654E+00	4.076E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.773E+00	1.551E+00	1.359E+
ADS ON SOIL	2.215E+02	2.231E+02	2.279E+02	2.248E+02	2.248E+02	2.248E+02	2.248E+02	2.248E+
IN SOIL AIR	8.145E-01	7.990E-01	6.964E-01	7.879E-01	6.783E-01	7.574E-01	8.135E-	
01 8.760E-01	8.947E-01	9.023E-01	8.433E-01	7.692E-01				
SUBLAYER 2								
DEGRAD MOIS	2.650E+00	3.368E+00	4.256E+00	4.562E+00	4.080E+00	3.570E+00	3.127E+	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.360E+00	1.190E+00	1.042E+
ADS ON SOIL	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+02	1.725E+
IN SOIL AIR	5.738E-01	5.955E-01	7.957E-01	4.610E-01	5.203E-01	5.811E-01	6.241E-	
01 6.720E-01	5.864E-01	6.922E-01	7.048E-01	7.061E-01				
SUBLAYER 3								
SUBLAYER 4								
SOIL ZONE 2:								
SUBLAYER 1								
SUBLAYER 2								
SUBLAYER 3								
SUBLAYER 4								
SUBLAYER 5								
SUBLAYER 6								
SOIL ZONE 3:								
SUBLAYER 1								
LOWER SOIL ZONE:								
SUBLAYER 1								
SUBLAYER 2								

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:								
SUBLAYER 1								
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.300E-09	7.300E-09	7.300E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

SUBLAYER 2

[illegible]

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 8.010E+01 8.043E+01 8.094E+01 8.159E+01 8.203E+01 8.238E+01 8.259E+01 8.265E+01 8.268E+01 8.267E+01 8.268E+01 8.271E+01

YEAR - 30 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	4[illegible]
TOTAL INFILTRATION (CM)	4[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	2[illegible]
TOTAL SURFACE RUNOFF (CM)	2[illegible]
TOTAL GRW RUNOFF (CM)	1[illegible]
TOTAL MOISTURE RETENTION (CM)	1[illegible]
TOTAL YIELD (CM)	1[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I[illegible] ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible] ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN[illegible] PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.597E+01
TOTAL DEGRADED (MOISTURE)	4.915E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	3.780E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

*ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	5.000E-09
ADSORBED SOIL (UG/G)	0.000E+00
SOIL AIR (UG/ML)	0.000E+00
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.000E-09
ADSORBED SOIL (UG/G)	0.000E+00
SOIL AIR (UG/ML)	0.000E+00
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	8.271E-01

**********EXECUTION COMPLETED**********

Versar INC.

XYLENE

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**********************************************************************
*****                                                            *****
*****  SESOIL 84 : SEASONAL CYCLES OF WATER, SEDIMENT, AND POLLUTANTS IN SOIL E
*****  ENVIRONMENT                                               *****
*****                                                            *****
*****  DEVELOPERS: M. BONAZOUNTAS,ARTHUR D. LITTLE INC.   ,(617)864-5770,X5871
*****              J. WAGNER     ,DIS/ADLPIPE, INC.       ,(617)492-1991,X5820
*****                                                            *****
*****  MODIFIED EXTENSIVELY BY:                                  *****
*****  D.M. HETRICK                                              *****
*****  OAK RIDGE NATIONAL LABORATORY                             *****
*****  (615) 576-7558                                            *****
*****  VERSION    : SEPTEMBER 1986                               *****
*****                                                            *****
**********************************************************************

                    ****** MONTHLY SESOIL MODEL OPERATION ******
                           MONTHLY SITE SPECIFIC SIMULATION

REGION                :    OAKLAND WSO AP
SOIL TYPE             :    SANDY CLAY
COMPOUND              :    xylenes/diesel
WASHLOAD DATA         :    DEFAULT APPLIC DATA
APPLICATION AREA      :    DEFAULT APPLIC DATA

WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS.
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN
WARNING- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS.
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

     GENERAL INPUT PARAMETERS

     -- SOIL INPUT PARAMETERS --

SOIL DENSITY (G/CM**3):                                          1.35
INTRINSIC PERMEABILITY (CM**2):                                  .150E-08
DISCONNECTEDNESS INDEX (-):                                      6.00
POROSITY (-):                                                    .240
ORGANIC CARBON CONTENT (%):                                      1.00
CATION EXCHANGE CAPACITY (MILLI EQ./100G DRY SOIL):              1.00
FREUNDLICH EXPONENT (-):                                         1.00

     -- CHEMICAL INPUT PARAMETERS --

SOLUBILITY (MG/L):                                               175.
DIFFUSION COEFFICIENT IN AIR (CM**2/SEC):                        .750E-01
HENRYS LAW CONSTANT (M**3-ATM/MOLE):                             .510E-02
ADSORPTION COEFFICIENT ON ORGANIC CARBON(KOC):                   83.0
ADSORPTION COEFFICIENT ON SOIL (K):                              .000
MOLECULAR WEIGHT (G/MOL):                                        106.
VALENCE (-):                                                     .000
NEUTRAL HYDROLYSIS CONSTANT (/DAY):                              .000
BASE HYDROLYSIS CONSTANT (L/MOL-DAY):                            .000
ACID HYDROLYSIS CONSTANT (L/MOL-DAY):                            .000
DEGRADATION RATE IN MOISTURE (/DAY):                             .100
DEGRADATION RATE ON SOIL (/DAY):                                 .000
LIGAND-POLLUTANT STABILITY CONSTANT (-):                         1.00
NO. MOLES LIGAND/MOLE POLLUTANT (-):                             3.00
LIGAND MOLECULAR WEIGHT (G/MOL):                                 202.

     -- APPLICATION INPUT PARAMETERS --

NUMBER OF SOIL LAYERS:                                             4
YEARS TO BE SIMULATED:                                            30
AREA (CM**2):                                                0.340E+08
APPLICATION AREA LATITUDE (DEG):                                 38.0
PULSE (1) OR STEADY APPLICATION (0):                             0
DEPTHS (CM):                                                 0.24E+03 0.37E+03  4
                                                                 4        6
NUMBER OF SCS LAYERS/LAYER                                       2
PH (CM):                                                      7.0      7.0      7
INTRINSIC PERMEABILITIES (CM**2):                            0.10E-08 0.10E-10 0.
FDEC RATIOS (-):                                              1.0      1.0      1
BDEC RATIOS (-):                                              1.0      1.0      1
KD RATIOS (-):                                                1.0      1.0      1
```

RATIOS( ): 1.0 1.0 1

YEAR - 1 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS

	OCT	NOV	DEC	JAN	FEB	MAR	APR
	JUL	AUG	SEP				
TEMP. (DEG C)	[illegible]	12.380	9.550	8.800	10.030	11.270	12.[illegible]
CLOUD CVR (FRAC.)	0.400	0.500	0.600	0.600	0.550	0.550	0.5[illegible]
REL. HUM (FRAC.)	0.650	0.700	0.800	0.800	0.750	0.750	0.7[illegible]
ALBEDO (-)	0.160	0.160	0.160	0.160	0.160	0.160	0.[illegible]
EVAPO (CM/DAY)	0.000	0.000	0.000	0.000	0.000	0.000	0.[illegible]
PRECIP. (CM)	2.780	5.750	8.260	10.360	7.080	6.080	3.[illegible]
M. TIME RAIN (DAYS)	0.250	0.490	0.650	0.720	0.530	0.490	0.[illegible]
M. STORM NO. (-)	1.600	3.810	4.930	5.650	5.090	4.870	3.[illegible]
M. SEASON (DAYS)	30.400	30.400	30.400	30.400	30.400	30.400	30.[illegible]

	MAY	JUN	JUL	AUG	SEP
TEMP. (DEG C)	[illegible]	17.110	[illegible]	[illegible]	[illegible]
CLOUD CVR (FRAC.)	[illegible]	0.300	[illegible]	[illegible]	[illegible]
REL. HUM (FRAC.)	0.700	0.700	[illegible]	[illegible]	[illegible]
ALBEDO (-)	0.160	0.160	[illegible]	[illegible]	[illegible]
EVAPO (CM/DAY)	0.000	0.000	0.000	0.000	0.000
PRECIP. (CM)	0.980	0.310	[illegible]	[illegible]	[illegible]
M. TIME RAIN (DAYS)	0.210	0.120	[illegible]	[illegible]	[illegible]
M. STORM NO. (-)	1.150	0.210	[illegible]	[illegible]	[illegible]
M. SEASON (DAYS)	30.400	30.400	30.400	30.400	30.400

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 3.80E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG INPUT-1 (UG/CM**2) 7.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
1

YEAR - 2 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
[illegible]

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] 1.00E+00 1.00E+00 1.00E+00 1.

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] TRANSFORMED [illegible] 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.00E+00 0.

VOLATILIZATION MULT - 3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.

00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

TRANSFORMED (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

VOLATILIZATION MULT - 1 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.

00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

1
YEAR - 3 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR - 4 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR - 5 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR - 6 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR - 7 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR - 8 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR - 9 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR -10 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR -11 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR -12 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1
YEAR -13 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -17 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -18 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -19 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -20 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -21 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -22 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -23 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -24 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -25 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -26 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -27 MONTHLY INPUT PARAMETERS

- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -28 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
YEAR -29 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
-- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR
POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR = 1 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	8.445	9.981	12.261	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	8.445	9.981	12.261	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	0.968	0.328	2.800	0.120	5.726	0.135	8.184	0.598	10.279	7.148	6.128	3.0
NET INFLT. (CM)	0.968	0.298	2.679	0.106	5.675	0.124	8.108	0.556	10.154	7.097	6.101	3.0
EVAPOTRANS. (CM)	1.700	0.634	2.480	0.411	3.326	0.483	1.717	0.722	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.824	0.311	-0.171	-0.218	0.995	-0.202	1.478	-0.016	0.575	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.121	0.013	0.084	0.011	0.075	0.033	0.125	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	0.025	0.370	0.987	1.354	1.137	4.915	4.121	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	0.491	-0.074	1.405	-0.126	4.990	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.006	1.059	1.007	1.087	0.996	1.123	0.991	0.997	0.982	1.010	1.008	0.9
PA/MPE (GZ)	1.006	1.059	1.007	1.087	0.996	1.123	0.991	0.997	0.982	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	1.282E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	1.282E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.822E+05	4.923E+05	4.063E+05	4.055E+05	3.505E+05	2.982E+05	2.549E+	
DEGRAD MOIS	2.858E+05	2.142E+05	3.792E+05	3.893E+05	3.921E+05	3.585E+05	4.570E+05	3.324E+05	1.151E+05	9.810E+04	8.398E+	
IN SOIL MOI	9.423E+04	7.068E+04	6.504E+04	6.091E+04	5.437E+04	5.064E+04	1.135E+05	7.705E+04	1.101E+07	1.073E+07	1.049E+	
ADS ON SOIL	1.550E+07	1.028E+07	1.009E+07	9.216E+06	9.912E+06	9.476E+06	1.176E+07	1.135E+07	2.561E+04	2.895E+04	3.039E+	
IN SOIL A/B	3.711E+04	3.209E+04	3.216E+04	3.295E+04	3.185E+04	3.053E+04	2.595E+04	2.429E+04				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 5.380E-04 5.234E-04 5.059E-04 4.883E-04 4.739E-04 4.617E-04 4.512E-04 4.425E-04 4.343E-04 4.265E-04 4.188E-04 4.111E-04 4.034E-04 3.957E-04
%SOLUBILITY 3.074E-04 2.981E-04 2.881E-04 2.779E-04 2.708E-04 2.638E-04 2.579E-04 2.529E-04 2.481E-04 2.437E-04 2.394E-04 2.351E-04 2.308E-04 2.264E-04
ADSORBED 4.465E-03 4.344E-03 4.199E-03 4.053E-03 3.933E-03 3.832E-03 3.745E-03 3.673E-03 3.604E-03 3.540E-03 3.480E-03 3.419E-03 3.358E-03 3.295E-03
SOIL AIR 1.150E-04 1.134E-04 1.107E-04 1.079E-04 1.044E-04 1.015E-04 9.750E-05 9.492E-05 9.245E-05 9.015E-05 8.795E-05 8.580E-05 8.368E-05 8.157E-05
FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.397E+01 2.874E+01 2.340E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 2.046E-01 6.454E-01 1.315E+00 2.172E+00 2.751E+00 3.226E+00 3.503E+00 3.575E+00 3.597E+00 3.604E+00 3.611E+00 3.655E+00

1 YEAR = 1 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	1.292E+07
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.141
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.141
TOTAL PRECIPITATION (CM)	44.029
TOTAL INFILTRATION (CM)	35.473
TOTAL EVAPOTRANSPIRATION (CM)	20.167
TOTAL SURFACE RUNOFF (CM)	0.501
TOTAL GRW RUNOFF (CM)	19.708
TOTAL MOISTURE RETENTION (CM)	30.850
TOTAL YIELD (CM)	20.209

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL SOIL AIR IMMOBIL CEC, COMPLEXED, A
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED	5.252E+05
TOTAL DEGRADED (MOISTURE)	5.253E+06

SUBLAYER 2

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

SUBLAYER 6

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

*ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.598E-04
ADSORBED SOIL (UG/G)	3.815E-03
SOIL AIR (UG/ML)	3.816E-05
FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.321E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.321E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	3.652E-02

YEAR = 2 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.662	12.213				13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)			7.605	9.662	12.213				13.149	11.709	10.245	8.9
PRECIPITATION (CM)			2.743	5.740	8.255				10.311	7.143	6.128	3.8
NET INFILT. (CM)			2.663	5.680	8.159				10.185	7.097	6.101	3.8
EVAPOTRANS. (CM)			1.091	3.027	1.714				2.139	4.277	5.469	3.8
MOIS. PERCN (CM)			0.681	1.387	1.647				0.606	0.932	-0.942	-0.1
PUR. RUNOFF (CM)			0.215	0.276	0.016				0.126	0.051	0.026	0.0
IMW. RUNOFF (CM)			0.078	0.099	0.075				0.053			
SURFACE RUNOFF (CM)			0.006	1.078	4.795				7.440	3.752	1.580	0.5
TOTAL RUNOFF (CM)			0.084	1.177	4.870				7.566	3.803	1.607	0.5

MAY								
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.379E+05	2.024E+05	1.730E+05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.812E+04	6.659E+04	5.700E+04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.475E+06	7.283E+06	7.118E+06
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.806E+04	1.965E+04	2.063E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	3.851E-04	3.553E-04	3.434E-04	3.315E-04	3.317E-04	3.194E-04	3.083E-04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.809E-04	1.701E-04	1.750E-04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.570E-03	2.601E-03	2.542E-03
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.028E-05	6.880E-05	6.819E-05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.459E-01	2.690E-01	3.197E-01

01 3.725E+01 3.973E+01 4.157E+01 4.364E+01 4.390E+01 [illegible]

SUBLAYER 3

FREE LIGAND 3.772E+01 3.967E+01 3.849E+01 4.182E+01 [illegible]
01 3.725E+01 3.973E+01 4.157E+01 4.364E+01 4.390E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 3.967E+01 3.849E+01 4.182E+01 [illegible]
01 3.725E+01 3.973E+01 4.157E+01 4.364E+01 4.390E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 3.851E+00 4.288E+00 4.960E+00 5.813E+00 6.398E+00 6.874E+00 7.150E+
00 7.223E+00 7.245E+00 7.251E+00 7.259E+00 7.298E+00

1 YEAR = 2 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GRW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	6.348E+05
TOTAL DEGRADED (MOISTURE)	2.170E+06

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO
ZERO VALUES ARE PRINTED --

SOIL MOISTURE (%) 2.202E-02

ADSORBED LIGAND (UG/G) 2.202E-02

FREE LIGAND (UG/ML) [illegible]

FREE LIGAND (UG/ML) 3.000E-01

FREE LIGAND (UG/ML) 3.000E-01

FREE LIGAND (UG/ML) 3.000E-01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 7.299E-02

1

YEAR = 3 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.[illegible]
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.[illegible]
PRECIPITATION (CM)	0.956	1.328	2.773	5.729	8.284	10.311	7.148	6.128	3.[illegible]
NET INFILT. (CM)	0.961	1.298	2.663	5.680	8.159	10.185	7.097	6.101	3.[illegible]
EVAPOTRANS. (CM)	1.000	1.634	1.915	3.271	1.717	2.139	4.277	5.469	3.[illegible]
MOIS. RETEN (CM)	2.000	1.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.[illegible]
SUR. RUNOFF (CM)	-0.824	0.030	-0.218	-0.202	-0.016	0.126	0.051	0.026	0.[illegible]
GRW. RUNOFF (CM)	0.000	0.000	0.113	0.029	0.075	0.033	0.026	0.013	0.[illegible]
YIELD (CM)	0.084	-0.025	0.084	1.073	4.795	7.440	3.752	1.580	0.[illegible]
			0.087	-0.137	-0.121				
	0.089	0.005	0.177	1.122	4.870	7.565	3.803	1.607	0.[illegible]
			-0.074	-0.126	-0.108				
RAU/MPA (GZU)	0.998	1.059	0.998	0.996	0.997	0.895	1.010	1.008	0.[illegible]
RA/MPA (GZ)	0.998	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.[illegible]
	1.006	1.059	0.998	0.996	0.997				
			1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN ([illegible]G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_ZONE2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_ZONE3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-

[illegible] (CG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.613E+05	1.374E+05	1.174E+05	1.174E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.302E+04	4.518E+04	3.860E+04	3.860E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.478E-04 2.412E-04 2.331E-04 2.250E-04 2.183E-04 2.127E-04 2.079E-
04 2.038E-04 2.000E-04 1.964E-04 1.932E-04 1.902E-04 1.874E-04 1.847E-04 1.824E-04 1.802E-04
SOLUBILITY 1.418E-04 1.378E-04 1.332E-04 1.285E-04 1.247E-04 1.215E-04 1.188E-
04 1.165E-04 1.143E-04 1.123E-04 1.104E-04 1.085E-04 1.067E-04 1.050E-04 1.034E-04 1.019E-04
ADSORBED 2.057E-03 2.002E-03 1.933E-03 1.867E-03 1.812E-03 1.765E-03 1.725E-
03 1.690E-03 1.658E-03 1.630E-03 1.604E-03 1.580E-03 1.558E-03 1.537E-03 1.518E-03 1.500E-03
VOIL AIR 5.290E-05 5.123E-05 4.934E-05 4.752E-05 4.608E-05 4.674E-05 4.491E-
05 4.372E-05 4.257E-05 4.154E-05 4.060E-05 3.973E-05 3.894E-05 3.821E-05 3.754E-05 3.692E-05
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.187E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 7.488E+00 7.935E+00 8.608E+00 9.466E+00 1.005E+01 1.052E+01 1.080E+
01 1.087E+01 1.089E+01 1.090E+01 1.091E+01 1.095E+01

YEAR = 3 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 8.04E
AVERAGE MOISTURE BELOW ZONE 1 (%)
TOTAL PRECIPITATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)

SOIL ZONE 1:
SUBLAYER 1
TOTAL VOLATILIZED (MOISTURE) 1.9[illegible]E-05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.118E-04
ADSORBED SOIL (UG/G)	1.758E-03
SOIL AIR (UG/ML)	4.567E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.095E-01

1

YEAR 4 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS -

```
 MOIS. IN Z1 (%)        7.605     0.500    12.210
7.995                   6.885                        ...  11.700  10.245  9.
 ... LOWER ... Z1(%)
 PRECIPITATION (CM)     0.885     9.570
                        0.775     5.7...                 7.1..    ...      .0
 NET INFIL. (CM)        0.430                 10.1..     7.0..    ...      .0
                        0.630     5.0...
 EVAL ... (CM)          9.606
 27 ... ...             0.411     0.45...
 MOIS. IN ZN (CM)       0.634
                        0.573     0.3...                 1.0..    ...      .0
 SUR. RUNOFF (CM)       0.030                                      ...     .0
 1  ... ...             0.013     0.111     0.053
 GRW. RUNOFF (CM)                1.07                   7.1..    0.752   1.520    0.5
 90 0.024  -0.025       0.037    -0.137     0.141
 YIELD (CM)                                             7.505    0.000   1.507    0.0
 13  0.089   0.005     -0.074    -0.126    -0.108

 PAU/MPA (GZU)          0.998     0.995     0.997        0.995   1.010   1.008    0.9
 99  1.005   1.059      1.087     1.123     0.997
 PA/MPA (GZ)            0.998     0.996     0.997        0.905   1.010   1.008    0.9
 99  1.006   1.059      1.087     1.123     0.997
1
                                          -- POLLUTANT MASS INPUT TO COLUMN (U
G) --
-----

                  OCT         NOV         DEC         JAN         FEB         MAR         APR
      MAY         JUN         JUL         AUG         SEP
 PRECIP       0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
 LOAD UPPER   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
 LOAD ZONE 2  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
 LOAD ZONE 3  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
 LOAD LOWER   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00

 TOTAL INPUT  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   0.000E+00   0.000E+00
0            -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
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      UPPER SOIL ZONE:
          SUBLAYER  1

 VOLATILIZED  0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+00   0.000E+
00 0.000E+00  0.000E+00   0.000E+00   1.506E+05   1.415E+05
 DEGRAD MOIS  8.034E+04   5.967E+04   1.221E+05   1.270E+05   1.095E+05   9.319E+04   7.964E+
04 6.692E+04  5.153E+04   5.759E+04   5.265E+04   4.904E+04
 IN SOIL MOI  2.652E+04   3.281E+04   4.005E+04   4.182E+04   3.597E+04   3.066E+04   2.624E+
04 2.209E+04  2.032E+04   1.903E+04   1.699E+04   1.582E+04
 ADS ON SOIL  3.907E+06   3.602E+06   3.575E+06   3.547E+06   3.442E+06   3.353E+06   3.277E+
06 3.213E+06  3.153E+06   3.097E+06   3.045E+06   3.003E+06
 IN SOIL AIR  1.222E+04   1.053E+04   8.458E+03   7.592E+03   8.316E+03   9.046E+03   9.496E+
03 1.003E+04  1.005E+04   9.952E+03   9.476E+03   8.873E+03
          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

      SOIL ZONE 2:
          SUBLAYER  1

          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

          SUBLAYER  5

          SUBLAYER  6

      SOIL ZONE 3:
          SUBLAYER  1

      LOWER SOIL ZONE:
          SUBLAYER  1

          SUBLAYER  2
```

NE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

[illegible]

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.115E+01 1.158E+01 1.225E+01 1.311E+01 1.369E+01 1.417E+01 1.444E+
01 1.452E+01 1.454E+01 1.455E+01 1.455E+01 1.459E+01

1 YEAR = 4 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	44.089
TOTAL INFILTRATION (CM)	44.089
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	1.000E-01
TOTAL GW RUNOFF (CM)	17.446
TOTAL MOISTURE RETENTION (CM)	1.000E-01
TOTAL YIELD (CM)	17.546

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.822E+05
TOTAL DEGRADED (MOISTURE)	9.992E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

...IL ZONE 3:
...ATHER

...ER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

...THER VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS NOTE; ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.437E-04
ADSORBED SOIL (UG/G)	1.193E-03
SOIL AIR (UG/ML)	3.099E-05
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.459E-01

YEAR = 5 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	8.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	8.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.956	0.328	2.775	5.728	8.254	10.311	7.148	6.128	3.8
NET INFILT. (CM)	0.911	0.298	2.668	5.680	8.159	10.185	7.097	6.101	3.8
EVAPOTRANS. (CM)	1.700	0.634	0.106	0.124	0.566	2.139	4.277	5.469	3.8
MOIS. RTEN (CM)	0.822	0.311	0.411	0.453	0.722	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.000	0.004	1.337	1.647	0.126	0.051	0.028	0.0
GRW. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	7.440	3.752	1.580	0.5
YIELD (CM)	0.084	-0.025	0.064	1.073	4.795	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	0.989	0.005	0.177	1.122	4.870				
PA/MPA (GZ)	1.059	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
	1.059	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
			0.998	0.996	0.997				
			1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
DECAY	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E

UPPER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
MOISTURE 1.140E-04 1.110E-04 1.072E-04 1.035E-04 1.004E-04 9.785E-05 9.564E-
SOLUBILITY 3.150E-05 3.440E-05 4.426E-05 5.991E-05 5.739E-05 5.591E-05 5.465E-
ADSORBED 9.266E-05 9.031E-05 8.731E-05 8.450E-05 8.336E-05 8.121E-05 7.938E-
SOIL-AIR 7.654E-04 7.463E-04 7.217E-04 6.981E-04 6.891E-04 6.714E-04 6.563E-
FREE LIGAND 1.950E-05 1.902E-05 1.779E-05 1.654E-05 2.212E-05 2.151E-05 2.067E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 2.450E+01 2.800E+01 3.197E+
SUBLAYER 2
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

[illegible] INPUTS (UG)

[illegible] SOIL ZONE 0.000E+00
SOIL ZONE 5 0.000E+00
LOWER SOIL ZONE 0.000E+00

HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%) 1.000E+00
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 1.000E+00
TOTAL PRECIPITATION (CM) 1.000E+00
TOTAL INFILTRATION (CM) 1.000E+00
TOTAL EVAPOTRANSPIRATION (CM) 1.000E+00
TOTAL SURFACE RUNOFF (CM) 1.000E+00
TOTAL GRW RUNOFF (CM) 1.000E+00
TOTAL MOISTURE RETENTION (CM) 1.000E+00
TOTAL YIELD (CM) 1.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.902E+05
TOTAL DEGRADED (MOISTURE) 6.777E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 8.745E-05
ADSORBED CELL (UG/G) 8.089E-03
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:

MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.866	2.328	2.775	5.725	8.234	10.311	7.148	6.128	3.6
SET INFILT. (CM)	0.951	2.298	2.669	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	1.634	1.915	3.271	1.717	2.139	4.277	5.469	3.9
MOIS. RETEN (CM)	-0.822	-0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.049	0.075	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.084	1.073	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	-0.0
PAU/MPA (GZU)	1.006	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	3.598E+04	3.582E+04	4.588E+04	5.619E+04	5.824E+04	5.824E+04	5.043E+04	4.291E+04	3.667E+
IN_SOIL_MOI	9.221E+04	9.178E+04	1.176E+05	1.442E+05	1.493E+05	1.493E+05	1.656E+04	1.412E+04	1.208E+
ADS_ON_SOIL	1.798E+06	1.790E+06	1.750E+06	1.692E+06	1.633E+06	1.585E+06	1.544E+06	1.509E+
IN_SOIL_AIR	4.627E+03	4.628E+03	4.584E+03	4.365E+03	4.088E+03	3.829E+03	4.165E+03	4.373E+

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 5

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 7.738E-05 7.532E-05 7.280E-05 7.027E-05 6.819E-05 6.644E-05 6.493E-
05 6.368E-05 6.249E-05 6.138E-05 5.746E-05 5.365E-05 5.015E-05
SOLUBILITY 4.422E-05 4.304E-05 4.160E-05 4.015E-05 3.897E-05 3.796E-05 3.711E-
05 3.639E-05 3.571E-05 3.507E-05 3.280E-05 3.066E-05 2.866E-05
ADSORBED 5.423E-04 5.279E-04 5.104E-04 4.929E-04 4.783E-04 4.660E-04 5.514E-04 5.390E-
04 5.285E-04 5.187E-04 5.095E-04 4.766E-04 4.455E-04 4.163E-04
SOIL AIR 1.655E-05 1.611E-05 1.558E-05 1.504E-05 1.459E-05 1.422E-05 1.460E-05 1.403E-
05 1.365E-05 1.330E-05 1.302E-05 1.209E-05 1.130E-05 1.056E-05
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.187E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.844E+01 1.886E+01 1.955E+01 2.041E+01 2.099E+01 2.146E+01 2.174E+
01 2.191E+01 2.183E+01 2.184E+01 2.185E+01 2.189E+01

YEAR -- 5 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.044
TOTAL PRECIPITATION (CM) 45.089
TOTAL INFILTRATION (CM) 25.542
TOTAL EVAPOTRANSPIRATION (CM) 20.546
TOTAL SURFACE RUNOFF (CM) 18.934
TOTAL GW RUNOFF (CM) 18.936
TOTAL MOISTURE RETENTION (CM) 10.001
TOTAL YIELD (CM) 19.572

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL NOT ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
ND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED 1.846E+05
TOTAL DEGRADED (MOISTURE) 4.501E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1-ZERO VALUES ARE PRINTED -- --- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML) 6.616E-05
ADSORBED SOIL (UG/G) 5.481E-04
SOIL AIR (UG/ML) 1.427E-05
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.189E-01

1

YEAR - 7 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.221					7.305	9.809	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.221					7.305	9.809	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	2.328					2.663	5.664	8.158	10.185	7.097	5.101	3.6
NET INFLOW (CM)	0.298					0.341	0.724	1.043	2.133	4.277	5.469	3.8
EVAPOTRANS. (CM)	2.634					2.411	1.463	1.722	0.998	-0.032	0.948	-0.8
MOIS. FROZEN (CM)	0.000					0.000	0.000	0.000	0.000	0.000	0.000	0.0
SUB. RUNOFF (CM)	0.000					0.000	0.000	0.000	0.000	0.000	0.000	0.0
PERC. TO GW (CM)	0.000					0.000	0.000	0.000	0.000	0.000	0.000	0.0
SURF. RUNOFF (CM)	0.025					0.057	0.137	0.177	7.440	3.752	1.580	0.8
TOTAL OUTFLOW (CM)	0.025					0.057	0.137	0.177	7.555	3.868	1.607	0.8
STORAGE (CM)	0.005					0.074	0.110	0.108				

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
EVAPOTRANSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD_MOIS	4.511E+04	4.362E+04	4.215E+04	4.071E+04	3.931E+04	3.793E+04	3.659E+04	3.527E+04	3.398E+04	3.424E+04	2.913E+04	2.490E+04
DEGRAD_SOIL	1.092E+04	1.056E+04	1.020E+04	9.854E+03	9.520E+03	9.196E+03	8.882E+03	8.578E+03	8.284E+03	1.124E+04	9.585E+03	8.205E+03
ADS_ON_SOIL	8.805E+03	8.355E+03	7.925E+03	7.518E+03	7.132E+03	6.766E+03	6.419E+03	6.090E+03	5.778E+03	1.076E+06	1.048E+06	1.025E+06
IN_SOIL_AIR	3.005E+06	2.980E+06	2.956E+06	2.932E+06	2.909E+06	2.886E+06	2.864E+06	2.842E+06	2.820E+06	2.600E+03	2.828E+03	2.969E+03
IN_SOIL_AIR	3.135E+03	3.142E+03	3.113E+03	2.964E+03	2.775E+03							

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	5.264E-05	5.114E-05	4.969E-05	4.828E-05	4.691E-05	4.558E-05	4.429E-05	4.304E-05	4.183E-05	4.630E-05	4.511E-05	4.409E-05
SOIL_WATER	3.000E-05	2.914E-05	2.831E-05	2.751E-05	2.673E-05	2.597E-05	2.524E-05	2.453E-05	2.384E-05	2.645E-05	2.577E-05	2.519E-05
ADSORBED	3.777E-04	3.670E-04	3.566E-04	3.465E-04	3.367E-04	3.272E-04	3.179E-04	3.089E-04	3.002E-04	3.843E-04	3.744E-04	3.659E-04
SOIL_AIR	1.092E-05	1.061E-05	1.031E-05	1.001E-05	9.727E-06	9.451E-06	9.182E-06	8.921E-06	8.667E-06	1.020E-05	9.914E-06	9.686E-06
AIR_CONC	3.135E-03	3.142E-03	3.113E-03	2.964E-03	2.775E-03							

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DWD CM 2.209E+01 2.252E+01 2.320E+01 2.406E+01 2.463E+01 2.511E+01 2.533E+01 2.546E+01 2.548E+01 2.549E+01 2.549E+01 2.553E+01

YEAR = 7 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041E-02
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 1.000E-01
TOTAL PRECIPITATION (CM) 4.000E+01
TOTAL INFILTRATION (CM) 2.000E+01
TOTAL EVAPOTRANSPIRATION (CM) 1.044E+01
TOTAL SURFACE RUNOFF (CM) 1.000E+01
TOTAL GRW RUNOFF (CM) 1.000E+01
TOTAL MOISTURE RETENTION (CM) 5.443E+00
TOTAL YIELD (CM) 2.000E+01

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 9.138E+04
TOTAL DEGRADED (MOISTURE) 3.124E+05
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

[illegible] (UG/ML) 3.360E+01

[illegible] (UG/ML) 3.360E+01

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.553E-01

YEAR = 8 MONTHLY RECULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	0.965	3.328	2.663	5.686	8.158	10.185	7.097	6.101	3.6
NET INFILT. (CM)	0.965	3.298	2.663	5.686	8.158	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	0.411	0.453	0.722	2.139	4.277	5.469	3.6
MOIS. RETEN (CM)	0.324	0.311	0.218	0.202	0.216	0.606	-0.932	-0.948	-0.6
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.053	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.081	-0.025	0.054	0.071	0.121	7.440	3.752	1.520	0.5
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (SZU)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9
PA/MPA (SZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.325E+04	1.978E+04	1.690E+04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.633E+03	6.507E+03	5.570E+03
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.804E+05	7.116E+05	6.555E+05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS F
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 3.567E-05 3.472E-05 3.355E-05 3.238E-05 3.143E-05 3.062E-05 2.993E-05 2.935E-05 2.880E-05 2.829E-05 2.645E-05 2.473E-05 1.796E-05 1.750E-05 1.710E-05 1.677E-05 1.646E-05 1.616E-05 1.512E-05 1.413E-05 2.609E-04 2.542E-04 2.484E-04 2.436E-04 2.391E-04 2.349E-04 2.198E-04 2.055E-04 6.923E-06 6.730E-06 6.467E-06 6.296E-06 6.130E-06 5.952E-06 5.566E-06 5.205E-06 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 2.573E+01 2.617E+01 2.684E+01 2.770E+01 2.828E+01 2.876E+01 2.903E+01 2.911E+01 2.913E+01 2.913E+01 2.914E+01 2.918E+01

YEAR 5 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 3.241
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)
TOTAL INFILTRATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)

5 ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL NOT AT EQUILIBRIUM

5 PURE PHASE FOR EACH SUBLAYER, SEE ABOVE

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED
TOTAL DEGRADED (MOISTURE, [illegible]
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.049E-05
ADSORBED SOIL (UG/G)	2.531E-02
SOIL AIR (UG/ML)	8.377E-06
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	2.918E-01

YEAR - 9 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

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[illegible] BELOW L1 (CM) [illegible]
[illegible]
[illegible]                                                  [illegible]   7.107    [illegible]  [illegible]
EVAPOTRANS. (CM)   [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
[illegible] RETEN  (CM)    [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
SOIL RUNOFF (CM) 311    [illegible]  [illegible]  [illegible]   0.120   [illegible]  [illegible]  [illegible]
GRW. RUNOFF (CM) [illegible]  [illegible]  [illegible]  [illegible]   7.440   3.752   1.500   0.5
[illegible]   -0.025   [illegible]  [illegible]  [illegible]   7.565   [illegible]   1.007   0.(
10  0.039     0.005    0.074    0.126    0.103
PAU/MPA (GZU)          0.999    0.996    0.997    0.995    1.010    1.008    0.[illegible]
99  1.006     1.059    1.087    1.123    0.997
PA/MPA (GZ)            0.998    0.995    0.997    0.995    1.010    1.008    0.[illegible]
99  1.006     1.059    1.087    1.123    0.997
                                          -- POLLUTANT MASS INPUT TO COLUMN (U
1
G) --
-----

          MAY      OCT        NOV        DEC        JAN        FEB        MAR        APR
                   JUN        JUL        AUG        SEP
PRECIP          0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00    0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD UPPER      0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00    0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD ZONE 2     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00    0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD ZONE 3     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00    0.000E+00  0.000E+00  0.000E+00  0.000E+00
LOAD LOWER      0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00    0.000E+00  0.000E+00  0.000E+00  0.000E+00

TOTAL INPUT     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
-----------------------------------------------------------------------------------

      UPPER SOIL ZONE:
            SUBLAYER  1
VOLATILIZED     0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+
00 0.000E+00    0.000E+00  0.000E+00  2.171E+04  2.038E+04
DEGRAD MOIS     [illegible]  [illegible]  1.755E+04  1.829E+04  1.578E+04  1.342E+04  1.147E+
04 9.540E+03    8.865E+03  [illegible]  [illegible]  [illegible]
IN SOIL MOI     3.819E+03  4.726E+03  5.769E+03  5.305E+03  5.181E+03  4.416E+03  3.780E+
03 3.182E+03    2.925E+03  [illegible]  [illegible]  [illegible]
ADS ON SOIL     5.627E+05  5.475E+05  5.293E+05  [illegible]  4.958E+05  4.830E+05  4.721E+
05 4.629E+05    4.543E+05  4.462E+05  4.172E+05  [illegible]
IN SOIL AIR     1.761E+03  [illegible]  [illegible]  [illegible]  1.198E+03  1.303E+03  1.368E+
03 1.444E+03    1.448E+03  1.434E+03  1.365E+03  1.279E+03
            SUBLAYER  2

            SUBLAYER  3

            SUBLAYER  4

      SOIL ZONE 2:
            SUBLAYER  1

            SUBLAYER  2

            SUBLAYER  3

            SUBLAYER  4

            SUBLAYER  5

            SUBLAYER  6

      SOIL ZONE 3:
            SUBLAYER  1

      LOWER SOIL ZONE:
            SUBLAYER  1

            SUBLAYER  2
```

SUBLAYER 1

MOISTURE 2.491E-05 2.357E-05 2.278E-05 2.198E-05 2.193E-05 2.078E-05 2.021E-05
[illegible] 1.455E-04 1.347E-04 1.301E-04 1.257E-04 1.219E-04 1.181E-04 1.161E-04
MOISTURE 1.455E-04 1.347E-04 1.301E-04 1.257E-04 1.219E-04 1.181E-04 1.161E-04
[illegible] 1.455E-04 1.347E-04 1.301E-04 1.257E-04 1.219E-04 1.181E-04 1.161E-04
[illegible] 1.455E-04 1.347E-04 1.301E-04 1.257E-04 1.219E-04 1.181E-04 1.161E-04
SOIL AIR 5.175E-06 5.104E-06 4.958E-06 4.811E-06 4.699E-06 4.550E-06 4.398E-06
CEC 2.275E-06 2.245E-06 2.177E-06 2.111E-06 2.060E-06 1.994E-06 1.926E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 2.938E+01 2.982E+01 3.049E+01 3.135E+01 3.193E+01 3.240E+01 3.268E+01 3.275E+01 3.278E+01 3.279E+01 3.279E+01 3.283E+01

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.088
TOTAL INFILTRATION (CM)	45.088
TOTAL EVAPOTRANSPIRATION (CM)	26.534
TOTAL SURFACE RUNOFF (CM)	18.554
TOTAL GW RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	19.543
TOTAL YIELD (CM)	

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	4.210E+04
TOTAL DEGRADED (MOISTURE)	1.435E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED — AVERAGE POLLUTANT CONCENTRATIONS — NOTE: ONLY NO

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.070E-05
ADSORBED CONT (UG/G) 7.38E-06
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 3.283E-01

YEAR -10 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.148	11.709	10.245	8.9			
PRECIPITATION (CM)	6.958	3.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)	6.961	3.298	2.668	5.665	8.159	10.185	7.097	6.101	3.6			
EVAPOTRANS. (CM)	1.000	0.634	0.106	0.124	0.566	2.139	4.277	5.469	3.6			
MOIS. RETEN (CM)	0.824	0.311	0.668	1.337	1.647	0.606	-0.932	-0.948	-0.9			
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.041	0.023	7.440	3.752	1.580	0.0			
GRW. RUNOFF (CM)	0.024	-0.025	0.057	0.137	0.121	7.565	3.803	1.607	0.0			
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.005	1.059	0.998	0.998	0.997	0.995	1.010	1.008	0.9			
PA/MPA (GZU)	1.006	1.059	1.057	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
IRRIGR	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD_LOWER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E
LOAD_SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E
LOAD_GRW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E
LOAD_EVAP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

POLLUTANT MASS DISTRIBUTION IN SOIL (UG) -- NOTE: IF COMPONENT I
ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
SOLUBILITY	1.643E-05	1.599E-05	1.546E-05	1.492E-05	1.443E-05	1.410E-05	1.378E-	
05	1.354E-05	1.306E-05	1.258E-05	1.211E-05	1.165E-05	1.120E-05	1.076E-	
ADSORBED	9.339E-06	9.138E-06	8.902E-06	8.662E-06	8.434E-06	8.273E-06	8.059E-06	7.876E-
06	7.722E-06	7.579E-06	7.442E-06	7.309E-06	7.180E-06	7.054E-06	6.931E-	
ADSORBED	1.364E-04	1.337E-04	1.303E-04	1.268E-04	1.235E-04	1.202E-04	1.171E-04	1.144E-
04	1.122E-04	1.101E-04	1.081E-04	1.061E-04	1.042E-04	1.023E-04	1.005E-	
SOIL AIR	3.514E-06	3.454E-06	3.382E-06	3.309E-06	3.239E-06	3.189E-06	3.100E-06	2.978E-
06	2.899E-06	2.828E-06	2.758E-06	2.690E-06	2.623E-06	2.557E-06	2.493E-	
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible]	1.204E-01	1.164E-01	1.111E-01	1.112E-01	8.852E-01	8.052E-01	3.000E

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	1.643E-05	1.599E-05	1.546E-05	1.492E-05	1.443E-05	1.410E-05	1.378E-	
05	1.354E-05	1.306E-05	1.258E-05	1.211E-05	1.165E-05	1.120E-05	1.076E-	
SOLUBILITY	9.339E-06	9.138E-06	8.902E-06	8.662E-06	8.434E-06	8.273E-06	8.059E-06	7.876E-
06	7.722E-06	7.579E-06	7.442E-06	7.309E-06	7.180E-06	7.054E-06	6.931E-	
ADSORBED	1.364E-04	1.337E-04	1.303E-04	1.268E-04	1.235E-04	1.202E-04	1.171E-04	1.144E-
04	1.122E-04	1.101E-04	1.081E-04	1.061E-04	1.042E-04	1.023E-04	1.005E-	
SOIL AIR	3.514E-06	3.454E-06	3.382E-06	3.309E-06	3.239E-06	3.189E-06	3.100E-06	2.978E-
06	2.899E-06	2.828E-06	2.758E-06	2.690E-06	2.623E-06	2.557E-06	2.493E-	
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 2

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+	
01	3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01			

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible]	1.204E-01	1.164E-01	1.111E-01	1.112E-01	8.852E-01	8.052E-01	3.000E

TOTAL INPUT (CM)

TOTAL EVAPOTRANSPIRATION (CM)

TOTAL MOISTURE RETENTION (CM)

TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
E ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 3.956E+04
TOTAL DEGRADED (MOISTURE) 8.787E+04
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO

UPPER SOIL ZONE:
SUBLAYER 1

SUBLAYER 5

SUBLAYER 6

MAY	JUN	OCT / JUL	NOV / AUG	DEC / SEP	JAN	FEB	MAR	APR
					10.140			
					10.311	7.140		
					10.125	7.127		
					0.129			
					7.440			
					7.500			
		0.998	0.996	0.997	0.995	1.010		
	1.059	1.087	1.123	0.997	0.995	1.010	1.002	

-- POLLUTANT MASS INPUT TO COLUMN (UG)

MAY	OCT / JUN	NOV / JUL	DEC / AUG	JAN / SEP	FEB	MAR	APR
					0.000E+00	0.000E+00	
					0.000E+00		
					0.000E+00	0.000E+00	
					0.000E+00	0.000E+00	

TOTAL INPUT

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

					FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
					7.264E-03	6.180E-03	5.292E
					[illegible]	[illegible]	[illegible]
					[illegible]	[illegible]	[illegible]
					[illegible]	[illegible]	[illegible]

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SOIL ZONE 2:
SUBLAYER 1

SOIL ZONE 3:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.115E-05 1.085E-05 1.049E-05 1.012E-05 9.821E-06 9.568E-06 9.352E-
06 9.171E-06 9.000E-06 8.820E-06 8.266E-06 7.727E-06
SOLUBILITY 3.371E-06 3.143E-06 2.933E-06 2.743E-06 2.573E-06 5.612E-06 5.468E-06 5.344E-
06 5.241E-06
ADSORBED 2.233E-05 2.151E-05 2.063E-05 1.970E-05 1.873E-05 8.152E-05 7.942E-05 7.762E-
05 7.611E-05
SOIL AIR 1.301E-06 1.256E-06 1.207E-06 1.154E-06 1.097E-06 2.163E-06 2.103E-06 2.021E-
06 1.916E-06
FREE LIGAND 1.816E-06 1.760E-06 1.700E-06 1.636E-06 1.567E-06 2.182E-06 2.122E-06 2.040E-
06 1.935E-06
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 2
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM 3.668E+01 3.711E+01 3.778E+01 3.864E+01 3.922E+01 3.970E+01 3.987E+
01 4.005E+01 4.007E+01 4.008E+01 4.008E+01 4.012E+01

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.044
TOTAL PRECIPITATION (CM) 40.0000
TOTAL INFILTRATION (CM) 40.0000
TOTAL EVAPOTRANSPIRATION (CM) 2.5424
TOTAL SURFACE RUNOFF (CM) 0.0000
TOTAL GRW RUNOFF (CM) 10.0000
TOTAL MOISTURE RETENTION (CM) 10.0000
TOTAL YIELD (CM) 0.0000

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.938E+04
TOTAL DEGRADED (MOISTURE) 6.227E+04
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML) 9.528E-06
ADSORBED SOIL (UG/G) 7.809E-05
SOIL AIR (UG/ML) 2.056E-06
FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 4.012E-01

YEAR -12 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPITATION (CM)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
RUNOFF (CM)	0.965	0.323	0.776	0.579	0.549	2.284	10.311	7.148	6.128	3.6		
SOIL EVAPOTRANS. (CM)	0.965	0.323	0.776	0.579	0.549	0.588	10.135	7.087	6.101	3.6		
EVAPOTRANS. (CM)	0.299	0.915	0.271	1.717	2.139	4.277	5.469	3.8				
MOIS. RETEN (CM)	0.634	0.687	1.647	0.606	-0.932	-0.948	-0.8					
PERC. RUNOFF (CM)	0.311	0.128	0.075	0.126	0.051	0.026	0.0					
GRW. RUNOFF (CM)	0.039	0.013	0.033	7.440	3.752	1.580	0.5					
GRW. RECHRG (CM)	0.024	-0.025	0.121	7.565	3.803	1.607	0.6					
YIELD (KG/HA)	0.059	0.005	0.074	0.120	4.870	0.103						
UAL/MPA (GZU)	0.998	1.050	0.998	0.996	0.997	0.995	1.010	1.008	0.9			
EPA/MPA (GZ)	0.998	1.050	0.998	0.996	0.997	0.995	1.010	1.008	0.9			

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
[illegible]	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+00
05 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
00 0.000E+00	0.000E+00							

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.931E+03	4.196E+03	3.536E+03
BIODEGRAD SOIS	3.616E+03	4.486E+03	3.494E+03	1.207E+03	1.719E+03			
03 3.0+3E+03	1.777E+03	1.194E+03	1.277E+03	1.403E+03	1.872E+03	1.619E+03	1.300E+03	1.132E+03
DISSOLVED IN SOIL	1.194E+03	1.277E+03	1.403E+03	1.872E+03	1.619E+03			
03 8.845E+02	9.151E+02	8.570E+02	7.851E+02	7.125E+02	1.397E+03	1.549E+05	1.510E+05	1.475E+05
ADSORBED ON SOIL	1.447E+05	1.420E+05	1.395E+05	1.394E+05	1.397E+05			
05 1.447E+05	1.420E+05	1.395E+05	1.394E+05	1.397E+05	1.417E+02	3.744E+02	4.073E+02	4.275E+02
IN SOIL AIR	5.502E+02	4.741E+02	3.807E+02	3.417E+02				
02 4.515E+02	4.525E+02	4.482E+02	4.268E+02	3.997E+02				

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MOISTURE	7.567E-06	7.168E-06	7.118E-06	6.870E-06	6.668E-06	6.456E-06	6.249E-06	6.049E-06
00 [illegible]	4.324E-06	[illegible]	[illegible]	[illegible]	[illegible]	3.810E-06	3.712E-06	3.628E-06
ADSORBED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.534E-05	5.391E-05	5.270E-05
05 5.165E-05	5.071E-05	[illegible]	[illegible]	[illegible]	[illegible]	1.469E-06	1.428E-06	1.372E-06
00 1.336E-06	1.302E-06	[illegible]	[illegible]	[illegible]	[illegible]	2.450E+01	2.800E+01	3.197E+01
FREE LIGAND	3.672E-01	[illegible]	[illegible]	[illegible]	[illegible]			
01 [illegible]	[illegible]							

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FREE LIGAND	3.772E-01	2.982E-01	2.349E-01	2.182E-01	2.450E+01	2.800E-01	3.197E+01	
01 [illegible]	3.672E-01	[illegible]	[illegible]	[illegible]	[illegible]			

SUBLAYER 3

SUBLAYER 4

[illegible]

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

[illegible]

01 4.369E+01 4.372E+01 4.372E+01 4.373E+01 4.377E+01

[illegible]

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	[illegible]
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	[illegible]
TOTAL PRECIPITATION (CM)	[illegible]
TOTAL INFILTRATION (CM)	[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GW RUNOFF (CM)	[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible]ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.316E+04
TOTAL DEGRADED (MOISTURE)	4.498E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

1
ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

[illegible] 0.000E+00

SOIL ZONE 1:
SOIL ZONE 2:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 4.377E-01

YEAR -19 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. IN LOWER L1 (%)	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	2.328	2.663	5.680	8.159	10.185	7.097	6.101	3.6
NET INFILT. (CM)	2.298	2.634	5.634	8.118	10.311	7.148	6.128	3.6
EVAPOTRANS. (CM)	0.030	0.029	0.046	0.041	0.126	0.051	0.026	0.0
MOIS. RETAIN (CM)	0.311	0.418	0.202	0.116	0.075	0.033	0.026	0.0
SUR. RUNOFF (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
GRW. RUNOFF (CM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
YIELD (CM)	0.025	0.064	0.073	0.077	0.141	0.097	0.075	0.0
	0.089	0.005	-0.074	-0.126	-0.168	0.000	0.000	0.0
PAU/MPA (GZU)	1.006	1.059	0.998	1.087	0.996	1.123	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZU)	1.006	1.059	0.998	1.087	0.996	1.123	0.997	0.995	1.010	1.008	0.9

--- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DYSTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
ADSORBED	4.[illegible]E+03	4.[illegible]E+03	3.[illegible]E+03	2.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	3.347E+03	2.848E+03	2.434E-
DISSOLVED	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.[illegible]E+03	1.098E+03	9.369E+02	8.020E-
TOTAL	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.[illegible]E+05	1.052E+05	1.025E+05	1.001E-
[illegible]	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	3.[illegible]E+02	2.541E+02	2.764E+02	2.982E-

SUBLAYER 2

[illegible]

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/CM) OR (UG/C) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 5.137E-06 4.999E-06 4.883E-06 4.664E-06 4.526E-06 4.409E-06 4.309E-
06 4.225E-06 4.147E-06
SOLUBILITY 2.936E-06 2.857E-06 2.792E-06 2.666E-06 2.586E-06 2.520E-06 2.463E-
06 2.415E-06 2.370E-06
ADSORBED 2.626E-05 2.555E-05 2.498E-05 2.386E-05 2.315E-05 2.255E-05 2.204E-
05 2.160E-05 2.120E-05
SOIL AIR 1.096E-07 1.066E-07 1.042E-07 9.957E-08 9.661E-08 9.411E-08 9.199E-
08 9.055E-08 8.927E-08
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM 4.397E+01 4.441E+01 4.508E+01 4.594E+01 4.652E+01 4.699E+01 4.727E+
01 4.754E+01 4.756E+01 4.737E+01 4.739E+01 4.743E+01

YEAR = 13 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 8.246
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.246
TOTAL PRECIPITATION (CM) 1.143E+02
TOTAL EVAPOTRANSPIRATION (CM) 1.143E+02
TOTAL SURFACE RUNOFF (CM) 0.000E+00
TOTAL PERCOLATION (CM) 0.000E+00
TOTAL MOISTURE RETENTION (CM) 0.000E+00
TOTAL YIELD (CM) 0.000E+00

-- POLLUTANT MASS DISTRIBUTION IN SOLUTION (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILAYER
TOTAL DEGRADED (MOISTURE)
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	4.391E-06
ADSORBED SOIL (UG/G)	3.675E-05
SOIL AIR (UG/ML)	9.470E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	4.742E-01

YEAR -14 MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN LL (%)			7.66	9.22	12.81	10.14	11.78	14.45	8.1			

98	PA/MPA (GZU)	1.059									
99		1.056	1.059	1.057	1.123						

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:								
SUBLAYER 1								
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD MOIS	1.566E+03	4.067E+03	4.591E+03	2.634E+03	2.272E+03	1.933E+03	1.652E+
03 1.388E+03	1.477E+03	1.805E+03	3.507E+03	3.554E+03	3.554E+03		
IN SOIL MOI	5.499E+02	6.505E+02	8.150E+02	3.552E+02	7.460E+02	6.359E+02	5.443E+
02 4.581E+02	4.295E+02	4.425E+02	4.511E+02	3.552E+02			
ADS ON SOIL	8.102E+04	7.855E+04	7.211E+04	5.115E+04	7.139E+04	6.955E+04	6.797E+
04 6.665E+04	6.541E+04	6.423E+04	6.007E+04	5.115E+04			
IN SOIL AIR	2.535E+02	3.182E+02	1.754E+02	1.574E+02	1.725E+02	1.876E+02	1.970E+
02 2.080E+02	2.085E+02	2.065E+02	1.966E+02	1.041E+02			
SUBLAYER 2								
SUBLAYER 3								
SUBLAYER 4								
SOIL ZONE 2:								
SUBLAYER 1								
SUBLAYER 2								
SUBLAYER 3								
SUBLAYER 4								
SUBLAYER 5								
SUBLAYER 6								
SOIL ZONE 3:								
SUBLAYER 1								
LOWER SOIL ZONE:								
SUBLAYER 1								
SUBLAYER 2								

-- POLLUTANT CONCENTRATION (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

SUBLAYER 1

[illegible]

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

PCL DWLCM 4.782E+01 4.805E+01 4.873E+01 4.959E+01 5.016E+01 5.064E+01 5.092E+01 5.099E+01 5.101E+01 5.102E+01 5.103E+01 5.107E+01

YEAR = 14 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	4.069E+01
TOTAL INFILTRATION (CM)	2.615E+01
TOTAL EVAPOTRANSPIRATION (CM)	1.454E+01
TOTAL SURFACE RUNOFF (CM)	1.454E+01
TOTAL GRW RUNOFF (CM)	1.454E+01
TOTAL MOISTURE RETENTION (CM)	1.454E+01
TOTAL YIELD (CM)	1.454E+01

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	6.862E+03
TOTAL DEGRADED (MOISTURE)	2.072E+04

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

COMPARTMENT 1

COMPARTMENT 2

ALL VALUES ARE PLANTED ... EXPLANATIONS ... NOTE: ONLY NO

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.360E-06
ADSORBED (UG/G)	5.424E-07
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	5.107E-01

YEAR -15 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	0.328	2.775	5.729	8.254	10.311	7.148	6.128	3.8
NET INFILT. (CM)	0.961	0.298	2.653	5.685	8.158	10.185	7.087	6.101	3.6
EVAPOTRANS. (CM)	1.760	1.634	0.915	0.271	0.096	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	-0.824	-0.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.021	0.033	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.087	-0.025	0.087	0.137	0.221	7.440	3.752	1.580	0.3
YIELD (CM)	0.089	0.005	0.177	0.125	0.070	7.565	3.803	1.607	0.6
			-0.074	-0.126	-0.108				
PAU/MPA (GZU)	1.059		0.998	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.059		1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

NOTE: IF COMPONENT I

SOIL ZONE:
SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.000E+01 1.000E+ 1.000E+
[illegible]
[illegible]
ADS 4.498E+04 4.498E+04 4.498E+04 4.498E+04 4.345E+04 4.195E+04 4.050E+
E 1.411E+02 1.415E+02 1.401E+02 1.384E+02 1.249E+02 1.171E+02 1.127E+02 1.087E+

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
OR ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 2.368E-06 2.303E-06 2.226E-06 2.148E-06 2.085E-06 2.031E-06 1.985E-
[illegible]
[illegible]
ADSORBED 1.615E-05 1.585E-05 1.557E-05 1.458E-05 1.351E-05 1.730E-05 1.686E-05 1.647E-
SOIL AIR 5.002E-07 4.880E-07 4.770E-07 4.718E-07 4.592E-07 4.464E-07 4.289E-
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 5.126E+01 5.170E+01 5.227E+01 5.229E+01 5.331E-01 5.429E+01 5.456E+
01 5.464E+01 5.466E+01 5.467E+01 5.467E+01

TOTAL INFLOW ....

HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%)
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)
TOTAL PRECIPITATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)
TOTAL SURFACE RUNOFF (CM)
TOTAL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN SOILS (UG) -- NOTE: IF COMPONENT I
E ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SE)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.118E+08
TOTAL DEGRADED (MOISTURE) 1.108E+07
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 2.022E-06
ADSORBED PHASE (UG/G) 1.979E-05
SOIL AIR (UG/ML) 3.985E-07
FREE LIGAND (UG/ML) 3.980E+01
SUBLAYER 2
FREE LIGAND (UG/ML) 3.980E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.980E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.980E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. PULL DEPTH (M) 1.371E+01

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	APR
MOIS. IN S1 (%)			7.605	9.669	12.219	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)			7.605	9.669	12.219	13.149	11.709	10.245	8.9
MOIS. IN ZONE (%)			6.885	6.573	8.239	10.311	7.148	6.128	3.6
PRECIPITATION (CM)			2.772	0.720	0.558	0.135	0.138	0.117	0.3
RUNOFF (CM)			2.660	0.656	0.558	0.135	0.138	0.117	0.3
EVAPOTRANSP. (CM)			1.915	0.271	0.356	2.139	4.277	5.469	3.8
PERC. (CM)			0.441	0.453	0.717	0.722			
MOIS. PERCEN (CM)			0.684	1.377	1.647	0.606	-0.932	-0.948	-0.8
SURF. RUNOFF (CM)			0.118	0.063	0.075	0.126	0.051	0.026	0.0
INT. RUNOFF (CM)			0.000	0.073	4.795	7.440	3.752	1.580	0.8
GW. RUNOFF (CM)			0.027	0.027	0.041				
YIELD (CM)			0.177	1.127	4.870	7.565	3.803	1.607	0.8
13 0.059	0.005	-0.074	-0.126	-0.108					
PAU/MPA (GZU)		0.998	0.996	0.997	0.995	1.010	1.008	0.9	
PBA/MPA (GZ)	1.059	0.998	0.996	0.997	0.995	1.010	1.006	0.9	
1.006	1.059	1.057	1.123	0.997					

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
INTEGRAL MOIS	7.671E+02	9.516E+02	1.165E+03	1.212E+03	1.081E+03	1.046E+03	8.897E+02	7.603E+
0.000E+00	5.875E+01	9.298E+01	1.293E+02	1.502E+02	1.374E+02	3.434E+02	2.927E+02	2.505E+
IN SOIL AIR	4.892E+02	6.418E+02	8.216E+02	8.211E+02	7.506E+02	1.510E+03	1.286E+03	1.128E+
0.000E+00	3.730E+03	4.905E+03	6.256E+03	6.252E+03	5.715E+03	3.286E+04	3.201E+04	3.128E+
ADS ON SOIL	3.010E+04	4.000E+04	5.000E+04	6.000E+04	7.000E+04	7.939E+01	8.636E+01	9.064E+
IN SOIL AIR	1.157E+02	9.506E+02	6.475E+01	2.488E+01	8.470E+01			
01 0.572E+01	9.594E+01	9.501E+01	9.045E+01					

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

[illegible]

[illegible]

[illegible]

POLLUTANT CONCENTRATIONS (UG/L),(UG/L-AIR),(UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.505E-06 1.562E-06 1.519E-06 1.457E-06 1.414E-06 1.377E-06 1.345E-
06 1.295E-06 1.372E-06 1.399E-06 1.417E-06 1.425E-06
SOLUBILITY 9.173E-07 9.926E-07 9.567E-07 9.325E-07 8.079E-07 7.871E-07 7.692E-
07 7.543E-07 7.402E-07 7.269E-07 7.150E-07 7.035E-07
ADSORBED 1.333E-05 1.437E-05 1.453E-05 1.209E-05 1.174E-05 1.143E-05 1.117E-
05 1.075E-05 1.045E-05 1.026E-05 1.007E-05 9.894E-06
SOIL AIR 3.435E-07 3.717E-07 3.757E-07 3.114E-07 3.027E-07 2.903E-
07 2.828E-07 2.772E-07 2.720E-07 2.674E-07 2.630E-07
FREE LIGAND 3.772E+01 2.987E+01 2.849E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

FREE LIGAND 3.772E+01 2.987E+01 2.849E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.987E+01 2.849E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.987E+01 2.849E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 5.491E+01 5.535E+01 5.602E+01 5.688E+01 5.746E+01 5.793E+01 5.821E+
01 5.828E+01 5.831E+01 5.831E+01 5.832E+01 5.836E+01

YEAR 16 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.041
TOTAL PRECIPITATION (CM) 46.000
TOTAL EVAPOTRANSPIRATION (CM) 20.154
TOTAL SURFACE RUNOFF (CM) 0.000
TOTAL GW RUNOFF (CM) 1.000
TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 0.000

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 3.703E+03
TOTAL DEGRADED (MOISTURE) 9.659E+03
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.372E-09
ADSORBED SOIL (UG/G)	2.558E-07
SOIL AIR (UG/ML)	3.360E+01
FREE LIGAND (UG/ML)	

SUBLAYER 2

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	5.838E-01

YEAR -17 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.669	12.213	13.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.70	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	7.70	7.221	2.775	5.739	8.234	10.311	7.148	6.128	3.6			
NET INFILT. (CM)		3.328	0.000	0.000	0.000	0.000	0.000	0.000	0.0			
EVAPOTRANS. (CM)		0.290	0.000	0.000	0.000	0.000	0.000	0.000	0.0			
SOIL WATER (CM)		7.634	9.380	14.453	20.447	23.460	18.857	16.373	12.5			
SNOW WATER (CM)		0.311	0.000	0.000	0.000	2.176	0.606	-0.000	0.940	0.0		
SURFACE RUNOFF (CM)		0.000	0.113	0.000	0.000	0.000	0.126	0.051	0.026	0.0		
GRW. RUNOFF (CM)		0.000	0.000	0.000	0.000	0.000	7.440	3.752	1.580	0.5		
PET		0.025	0.125	0.125	0.125	4.837	7.565	3.803	1.907	0.4		
AET		0.035	0.074	0.125	0.125	0.108						
RAINFALL (CM)			0.998	0.996	0.997	0.997	0.995	1.015	1.008	0.9		
SNOWFALL (CM)		1.059	0.997	0.997	0.997	0.997	0.995	1.011	1.008	0.9		
RAIN/MELT (CM)		1.059	1.097	0.997	0.997	0.997	0.995	1.011	1.008	0.9		

POLLUTANT MASS INPUT TO SYSTEM (

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INFLOW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD RECEIVED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
EVAPORATION	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
PERCOLATION	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD REMOVED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD DECAYED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD STORED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL OUTPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

POLLUTANT MASS (UG) NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
DEGRAD MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.090E+02	5.997E+02	5.091E+
IN SOIL MOI	3.316E+02	3.316E+02	3.316E+02	3.316E+02	2.224E+02	1.985E-02	1.674E-
ADS ON SOIL	2.249E+04	2.246E+04	2.243E+04	2.240E+04	2.224E+04	2.149E+04	2.090E+
IN SOIL AIR	6.397E+01	6.333E+01	6.027E+01	5.038E+01	5.374E+01	5.708E+01	6.056E-

SUBLAYER 2

DEGRAD MOIS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.574E-01	3.648E+00	6.382E-
IN SOIL MOI	6.591E+00	6.591E+00	6.591E+00	6.591E+00	4.468E-01	1.985E+00	2.486E-
ADS ON SOIL	2.265E+02	2.252E+02	2.239E+02	2.226E+02	4.276E+01	2.171E+02	3.105E-
IN SOIL AIR	1.044E+00	1.033E+00	9.837E-01	8.224E-01	1.033E-01	5.856E-01	8.997E-

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.088E-06	1.058E-06	1.024E-06	9.881E-07	9.571E-07	9.247E-07	8.932E-
ADSORBED	8.244E-07	8.177E-07	8.107E-07	8.036E-07	5.403E-07	5.234E-07	5.109E-
	7.825E-06	7.625E-06	7.425E-06	7.225E-06	7.944E-06	7.675E-06	7.464E-
	2.102E-07	2.102E-07	2.102E-07	2.102E-07	2.102E-07	2.032E-07	1.983E-

[illegible]

SUBLAYER 4

FREE LIGAND 3.770E+01 3.967E+01 3.849E+01 3.192E+01 2.450E+01 2.800E+01 3.197E+01
3.758E+01 3.975E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

FREE LIGAND 5.856E+01 5.900E+01 5.967E+01 6.053E+01 6.111E+01 6.158E+01 6.186E+01
6.152E+01 6.195E+01 6.196E+01 6.197E+01 6.204E+01

YEAR = 17 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.041
TOTAL PRECIPITATION (CM) 48.093
TOTAL INFILTRATION (CM) 45.542
TOTAL EVAPOTRANSPIRATION (CM) 25.746
TOTAL SURFACE RUNOFF (CM) 20.344
TOTAL NEW RUNOFF (CM) 18.896
TOTAL MOISTURE RETENTION (CM) 100.591
TOTAL YIELD (CM) 100.543

-- POLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE, ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 1.858E+03
TOTAL DEGRADED (MOISTURE) 6.427E+03

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 4.074E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

FREE LIGAND (UG/ML) 3.360E+01

FREE LIGAND (UG/ML) 3.360E+01

FREE LIGAND (UG/ML) 3.360E+01

MAX. POLL. DEPTH (M) 0.201E-01

YEAR - 18 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.956	0.328	2.775	5.729	8.224	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.654	5.685	8.159	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.700	0.634	1.041	0.463	0.722	2.139	4.277	5.469	3.8
MOIS. RETN (CM)	-0.322	-0.311	-0.218	-0.202	-0.216	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.126	0.051	0.028	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.067	0.073	4.795	7.440	3.752	1.566	0.5
YIELD (GZU)	0.089	0.005	-0.074	-0.126	-0.108	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.005	1.059	0.996	0.996	0.997	0.995	1.010	1.008	0.9
PA/MPA (GZ)	1.006	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
RUNOFF	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD(S)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
LOAD(A)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
LOAD(L)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
TOTAL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E

(UG) -- NOTE: IF COMPONENT

[illegible]

SUBLAYER 2

[illegible]

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 7.218E-07 6.969E-07 6.658E-07 6.333E-07 6.085E-07 5.879E-07 5.717E-07
[illegible]

SUBLAYER 2

MOISTURE 1.664E-08 2.140E-08 2.813E-08 3.516E-08 4.095E-08 4.461E-08 4.615E-08
[illegible]

SUBLAYER 3

FREE LIGAND 3.773E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 2.450E+01 2.800E+01 3.197E+01

SUBLAYER 4

FREE LIGAND 3.773E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01 2.450E+01 2.800E+01 3.197E+01

[illegible]

-- TOTAL INLET (CM)

UPPER SOIL ZONE [illegible]
SOIL ZONE 3 [illegible]
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE ZONE 1 (%) [illegible]
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) [illegible]
TOTAL PRECIPITATION (CM) [illegible]
TOTAL INFILTRATION (CM) [illegible]
TOTAL EVAPOTRANSPIRATION (CM) [illegible]
TOTAL SURFACE RUNOFF (CM) [illegible]
TOTAL GW RUNOFF (CM) [illegible]
TOTAL MOISTURE RETENTION (CM) [illegible]
TOTAL YIELD (CM) [illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXIL, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.182E+03
TOTAL DEGRADED (MOISTURE) 4.141E+03
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 2.430E+02
SUBLAYER 3
SUELAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 5.824E-07
[illegible] (UG/G) [illegible]
FREE LIQUID (UG/ML) 3.308E-01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 1.015E-08
[illegible] [illegible]
[illegible] (UG/ML) 3.103E-09

YEAR -19 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9		
MOIS. BELOW L1 (%)	7.605	9.669	12.213	13.149	11.709	10.245	8.9		
PRECIPITATION (CM)	2.775	5.743	8.254	10.311	7.148	6.128	3.6		
RUNOFF (CM)	0.120	0.135	0.068	0.126	0.051	0.026	0.0		
PERCOLATION (CM)	2.663	5.680	8.188	10.185	7.097	6.101	3.6		
EVAPOTRANSP. (CM)	0.106	0.124	0.066	2.139	4.277	5.469	3.8		
MOIS. RETEN (CM)	1.975	3.274	1.772	0.606	-0.932	-0.948	-0.8		
SUR. RUNOFF (CM)	0.411	0.453	0.722	0.126	0.051	0.026	0.0		
GW. RUNOFF (CM)	0.684	1.337	1.647	7.440	3.752	1.580	0.8		
YIELD (CM)	0.311	0.402	0.016	7.565	3.803	1.607	0.8		
	0.030	0.013	0.075						
	0.084	0.077	0.033						
	0.025	0.087	4.795						
	0.089	0.122	4.870						
	0.005	-0.126	-0.108						
PAU/MPA (GZU)	0.998	0.996	0.997	0.995	1.010	1.008	0.9		
PA/MPA (GZ)	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9	
	1.000	1.059	1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD SOIL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.874E+02	2.423E+02	2.057E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.391E+01	7.938E+01	6.751E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.937E+03	8.681E+03	8.443E-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.171E+01	2.342E+01	2.447E

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	FEB	MAR	APR
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.930E+01	3.597E+01	3.200E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.350E+01	1.214E+01	1.067E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.292E+03	1.329E+03	1.333E

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATION (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 4.569E-07 4.439E-07 4.333E-07 4.026E-07 3.867E-07 3.735E-07 3.633E-07
SOLUBILITY 3.256E-07 3.165E-07 3.090E-07 2.871E-07 2.757E-07 2.663E-07 2.590E-07
ADSORBED 2.032E-07 1.975E-07 1.928E-07 1.792E-07 1.720E-07 1.661E-07 1.616E-07
TOTAL 9.932E-06 9.579E-06 9.290E-06 8.689E-06 8.344E-06 8.059E-06 7.839E-06
SOIL GAS 8.762E-08 8.513E-08 8.310E-08 7.722E-08 7.415E-08 7.162E-08 6.967E-08
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01
3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 4.244E-08 4.125E-08 4.026E-08 3.742E-08 3.593E-08 3.470E-08 3.374E-08
SOLUBILITY 3.026E-08 2.941E-08 2.871E-08 2.668E-08 2.562E-08 2.474E-08 2.406E-08
ADSORBED 1.887E-08 1.834E-08 1.791E-08 1.664E-08 1.598E-08 1.543E-08 1.501E-08
TOTAL 9.225E-07 8.896E-07 8.628E-07 8.072E-07 7.753E-07 7.489E-07 7.285E-07
SOIL GAS 8.137E-09 7.910E-09 7.721E-09 7.174E-09 6.889E-09 6.653E-09 6.472E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01
3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01
3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01
3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 6.585E+01 6.629E+01 6.666E+01 6.782E+01 6.840E+01 6.888E+01 6.915E+01
8.923E+01 8.925E+01 8.925E+01 8.925E+01 8.930E+01

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

- HYDROLOGIC CYCLE COMPONENTS -

AVERAGE SOIL MOISTURE ZONE 1 (CM) 8.041
AVERAGE SOIL MOISTURE ZONE 2 (CM) 18.255

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED
TOTAL DEGRADED (MOISTURE) 8.032E-03
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 8.543E-03
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 3.765E-07
ADSORBED SOIL (UG/G) 8.125E-06
GROUND AIR (UG/ML) 8.110E-08
FREE LIGAND (UG/ML) 8.388E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 5.313E-08
ADSORBED SOIL (UG/G) 4.772E-07
GROUND AIR (UG/ML) 4.755E-09
FREE LIGAND (UG/ML) 8.388E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 8.388E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 8.388E-01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. POLL. DEPTH (M) 8.888E 01

YEAR 2 MONTHLY RESULTS (METRIC)

NET INFILT. (CM)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.101	[illegible]
EVAP. TRANS. (CM)	[illegible]	0.915	[illegible]	[illegible]	[illegible]	[illegible]	5.459	[illegible]
MOIS. RETEN (CM)	[illegible]	0.031	[illegible]	[illegible]	0.000	0.002	0.048	[illegible]
SUR. RUNOFF (CM)	[illegible]	0.210	[illegible]	[illegible]	0.120	0.051	0.026	[illegible]
GRW. RUNOFF (CM)	[illegible]	[illegible]	[illegible]	[illegible]	7.440	0.752	1.580	[illegible]
YIELD (CM)	[illegible]	0.177	[illegible]	[illegible]	7.505	0.802	1.007	[illegible]
PAU/MPA (GZU)	1.050	0.998	0.996	0.997	0.995	1.010	1.008	[illegible]
PA/MPA (Z2)	1.050	[illegible]	[illegible]	0.997	0.995	1.010	1.008	[illegible]

POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	OCT / JUN	NOV / JUL	DEC / AUG	JAN / SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.920E+02	1.538E+02	1.305E+
IN SOIL MOIS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.965E+01	5.038E+01	4.290E+
ADS ON SOIL	[illegible]	[illegible]	[illegible]	5.254E+03	[illegible]	5.708E+03	5.510E+03	5.357E+
IN SOIL AIR	1.636E+01	1.638E+01	1.621E+01	1.541E+01	1.441E+01	1.379E+01	1.487E+01	1.552E+

SUBLAYER 2

DEGRAD MOIS	[illegible]	[illegible]	3.195E+01	4.110E+01	4.538E+01	4.110E+01	3.631E+01	3.128E+
IN SOIL MOIS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.378E+01	1.213E+01	1.063E+
ADS ON SOIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.318E+03	1.326E+03	1.327E+
IN SOIL AIR	4.069E+00	4.082E+00	4.042E+00	4.040E+00	3.980E+00	3.125E+00	3.578E+00	3.845E+

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 1

SUBLAYER 1

SUBLAYER 1

POLLUTANT CONCENTRATIONS (UG/ML) IN (UG/G) [illegible]
IF SUMS FOR EACH ZONE, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 2.816E-07	2.816E-07	2.681E-07	2.519E-07	2.450E-07	2.071E-07	2.305E-
07 2.256E-07	2.172E-07	2.170E-07	2.037E-07	1.980E-07	1.404E-07	1.355E-07 1.317E-
07 1.289E-07	1.284E-07	1.240E-07	1.158E-07	1.084E-07	2.039E-08	1.969E-08 1.913E-
08 1.873E-08	1.836E-08	1.803E-08	1.693E-08	1.586E-08	5.410E-08	5.211E-08 4.901E
08 4.720E-08	4.708E-08	4.508E-08	4.232E-08	3.964E-08	2.450E-01	2.800E-01 3.197E
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 2

MOISTURE 5.280E-08	5.348E-08	5.466E-08	5.620E-08	5.673E-08	5.707E-08	5.710E-
08 5.614E-08	5.612E-08	5.516E-08	5.337E-08	5.271E-08	3.242E-08	3.201E-08 3.263E-
08 3.202E-08	3.155E-08	3.123E-08	3.011E-08	2.899E-08	4.709E-07	4.737E-07 4.739E-
07 4.658E-07	4.575E-07	4.492E-07	4.405E-07	4.347E-07	1.250E-08	1.254E-08 1.234E-
08 1.204E-08	1.173E-08	1.139E-08	1.118E-08	1.103E-08	2.450E+01	2.800E+01 3.197E-
FREE LIGAND 3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01		
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 6.950E+01	6.994E+01	7.061E+01	7.147E+01	7.205E+01	7.252E+01	7.280E-
01 7.287E+01	7.288E+01	7.290E+01	7.295E+01	7.295E+01		

YEAR 2C ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	0.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	0.000
TOTAL PRECIPITATION (CM)	0.000
TOTAL INFILTRATION (CM)	0.000
TOTAL EVAPOTRANSPIRATION (CM)	0.000
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL SOIL WATER RETENTION (CM)	0.000
TOTAL YIELD (CM)	0.000

POLLUTANT MASS DISTRIBUTION IN GRAMS (UG) -- NOTE: IF COMPONENT I
TYPE EACH MONTH

FINAL MASS IN SOIL VOL, ADS ON SOIL, SOIL ADS, IMMOBIL CHG, COMPLEXES, A
FOR I.A.E FOR EACH SUBLAYER, SEE ABOVE (MONTH END)

UPPER SOIL ZONE:
SUBLAYER 1

TOTAL VOLATILIZED	2.451E-11
TOTAL LEACHED (GRAMS)	2.451E-11

SUBLAYER

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.388E-07
ADSORBED SOIL (UG/G)	5.958E-06
SOIL AIR (UG/ML)	5.453E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	5.491E-08
ADSORBED SOIL (UG/G)	1.371E-06
SOIL AIR (UG/ML)	1.254E-08
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	7.295E-01

YEAR -21 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PRECIPITATION (CM)	11.41	7.08	9.04	11.51	11.14	11.73	11.24	8.1
RUNOFF (CM)	2.29	1.42	1.81	2.31	2.24	2.35	2.25	1.6
EVAPOTRANSP. (CM)	9.12	5.66	7.23	9.20	8.90	9.38	8.99	6.5
LATERAL SOIL RET. (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
PERCOLATION (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SOIL WATER CHANGE (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
GROUNDWATER RET. (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
REACH/RES. (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
PRECIP. ON REACH/RES. (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
EVAP. FROM REACH/RES. (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
DIVERSIONS (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
UNSAT. ZONE CHANGE (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SAT. ZONE CHANGE (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SNOWMELT (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SOIL TEMP. (C)	15.56	20.56	23.33	22.22	18.89	13.33	7.78	2.2
FROST DEPTH (M)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WATER TABLE DEPTH (M)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
RECHARGE (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
BASEFLOW (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SURFACE RUNOFF (CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
USLE (TONS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
RUSLE (TONS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SEDIMENT YIELD (TONS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SEDIMENT CONC. (MG/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SEDIMENT ENRICH. RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SEDIMENT DELIVERY RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SEDIMENT ENRICH. RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SEDIMENT DELIVERY RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT I[illegible]
E ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.154E+02	9.724E+01	8.243E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.771E+01	3.184E+01	2.707E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.609E+03	3.482E+03	3.381E+
IN SOIL AIR	[illegible]	[illegible]	[illegible]	[illegible]	8.720E+00	9.394E+00	9.796E+

SUBLAYER 2

DEGRAD MOIS	2.475E+01	3.141E+01	3.860E+01	4.377E+01	3.825E+01	3.347E+01	2.912E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.275E+01	1.110E+01	9.640E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.220E+03	1.220E+03	1.204E+
IN SOIL AIR	3.803E+00	3.360E+00	2.787E+00	2.609E+00	2.948E+00	3.282E+00	3.488E+
00 3.635E-00	3.690E+00	3.646E+00	3.637E+00	3.586E+00			

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 1

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) NOTE: IF CONCENTRATIONS [illegible]
[illegible] FOR EACH MONTH, THEY ARE NOT PRINTED

[illegible]

[illegible]

SUBLAYER 2

FREE LIGAND 3.772E+01 3.967E+01 3.84SE+01 3.183E+01 2.450E+01 2.000E+01 3.197E+

SUBLAYER 4

FREE LIGAND 3.772E+01 3.967E+01 3.84SE+01 3.183E+01 2.450E+01 2.000E+01 3.197E+

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POT. DEP CM 7.315E+01 7.359E+01 7.426E+01 7.513E+01 7.570E+01 7.617E+01 7.645E+

YEAR ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)
TOTAL PRECIPITATION (CM)
TOTAL EVAPOTRANSPIRATION (CM)
TOTAL SURFACE RUNOFF (CM)
TOTAL SOIL MOISTURE RETENTION (CM)
TOTAL YIELD (CM)

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOISTURE ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 2.902E+02
TOTAL DEGRADED (MOISTURE) 1.852E+02

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 3.400E+02

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 1

SUBLAYER 2

??? VALUES ARE PRINTED

AVERAGE POLLUTANT [illegible]

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.500E 07
ADSORBED [illegible]	[illegible]
AIR [illegible]	[illegible]
FREE LIGAND (UG/ML)	[illegible]

SUBLAYER 2

SOIL MOISTURE (UG/ML)	[illegible]
ADSORBED [illegible]	[illegible]
AIR [illegible]	[illegible]
FREE LIGAND (UG/ML)	[illegible]

SUBLAYER 3

FREE LIGAND (UG/ML)	3.380E 01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.380E-01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	7.660E-01

YEAR -22 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPATION (CM)	7.701	7.221	2.778	5.729	8.234	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.968	0.328	0.663	5.668	8.150	10.135	7.097	6.101	3.6
EVAPOTRANS. (CM)	0.968	0.298	0.915	3.027	1.717	2.139	4.277	5.469	3.8
MOIS. UPTAKE (CM)	0.000	0.634	0.471	0.416	0.417	0.603	0.932	0.943	0.8
SUR. RUNOFF (CM)	0.000	0.311	0.084	0.000	0.000	0.000	0.000	0.000	0.0
GRW. RUNOFF (CM)	0.000	0.000	0.113	0.000	0.000	0.000	0.000	0.000	0.0
YIELD (CM)	0.000	0.000	0.084	0.000	0.000	0.126	0.051	0.026	0.0
	0.000	-0.025	-0.027	1.073	4.795	7.440	3.752	1.580	0.8
	0.000	-0.025	-0.027	-0.137	-0.771	-0.774	-0.755	-0.393	-0.1
	0.089	0.305	-0.074	-0.126	-0.108	7.565	3.393	1.607	0.6
PAU/MPA (SZU)	0.000	1.058	0.996	0.997	0.997	0.995	1.010	1.008	0.9
PA/MPA (SZU)	0.000	1.058	0.996	0.997	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL INPUT 8.830E+00 8.888E+00 8.860E+00 8.880E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00 0.000E+00 8.880E+00 8.880E+00 8.880E+00 8.880E+00

POLLUTANT MASS DISTRIBUTION IN COLUMN (MG) NOTE: IF COMPONENT
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
DEGRAD MOIS 5.564E+01 5.851E+01 6.594E+01 6.978E+01 7.234E+01 6.104E-01 5.184E-
01 4.329E+01 3.708E+01 3.211E+01 2.845E+01 2.705E+01 2.766E+01 2.363E+01 2.004E+01 1.701E+
01 1.427E+01 1.300E+01 1.227E+01 1.091E+01 1.013E+01
ADS ON SOIL 2.888E+03 2.502E+03 2.281E+03 2.357E+03 2.261E+03 2.191E+03 2.124E+
03 2.017E+03 2.031E+03 1.988E+03 1.881E+03 1.734E+03
IN SOIL AIR 5.443E+00 7.208E+00 5.711E+00 5.046E+00 5.463E+00 5.912E+00 6.155E+
00 6.480E+00 6.473E+00 6.416E+00 6.089E+00 5.684E+00

SUBLAYER 2

DEGRAD MOIS 2.208E+01 2.780E+01 3.503E+01 3.764E+01 3.339E+01 2.895E+01 2.500E+
01 2.104E+01 1.828E+01 1.739E+01 1.588E+01 1.628E+01 1.264E+01 1.106E+01 9.592E+00 8.265E+
00 6.935E+00 6.353E+00 5.938E+00 5.564E+00 5.443E+00
ADS ON SOIL 1.075E+03 1.074E+03 1.071E+03 1.069E+03 1.059E+03 1.049E+03 1.032E+
03 1.009E+03 9.858E+02 9.661E+02 9.466E+02 9.312E+02
IN SOIL AIR 3.368E+00 2.974E+00 2.466E+00 2.288E+00 2.558E+00 2.830E+00 2.991E+
00 3.148E+00 3.142E+00 3.105E+00 3.104E+00 3.053E+00

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.161E-07 1.120E-07 1.068E-07 1.014E-07 9.730E-08 9.430E-08 9.140E-
08 8.936E-08 8.740E-08 8.590E-08 8.006E-08 7.460E-08
SOLUBILITY 6.035E-08 5.838E-08 5.575E-08 5.263E-08
08 5.106E-08 4.938E-08 4.798E-08 4.676E-08 4.560E-08 5.389E-08 5.223E-
ADSORBED 9.358E-07 9.294E-07 8.862E-07 8.420E-07
07 8.417E-07 7.254E-07 7.130E-07 6.934E-07 6.192E-07 8.076E-07 7.827E-07 7.586E-
SOIL AIR 2.435E-08 2.330E-08 2.238E-08 2.143E-08 2.073E-08 1.975E-
08 1.917E-08 1.850E-08 1.800E-08 1.755E-08 1.711E-08
FREE LIQUID 7.774E+01 8.047E+01 1.539E+01 1.761E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 4.630E-08 4.620E-08 4.610E-08 4.600E-08 4.556E-08 4.514E-08 4.441E-
08 4.354E-08 4.546E-08 4.640E-08 4.588E-08 4.629E-08
SOLUBILITY 2.603E-08 2.579E-08 2.538E-
08 2.497E-08 2.477E-08 2.497E-08 2.475E-08 2.455E-08 2.433E-08 2.413E-08
ADSORBED 3.781E-07 3.747E-07 3.686E-
07 3.624E-07 3.594E-07 3.624E-07 3.594E-07 3.565E-07 3.533E-07 3.504E-07
SOIL AIR 1.004E-08 9.921E-09 9.596E-
09 9.314E-09 9.178E-09 9.314E-09 9.178E-09 9.052E-09 8.911E-09 8.785E-09
FREE LIQUID 2.450E+01 2.800E+01 8.197E-
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

[illegible] 4.364E+01 4.[illegible]

SUBLAYER 4

[illegible] 2.960E+01 2.969E+01 2.982E+01 2.450E+01 2.860E+01 3.107E+

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

AVG. DEP CM 7.699E+01 7.723E+01 7.790E+01 7.876E+01 7.934E+01 7.982E+01 8.008E+
01 8.017E+01 8.019E+01 8.020E+01 8.020E+01 8.024E+01

YEAR = 22 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	4[illegible]
TOTAL INFILTRATION (CM)	4[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	2[illegible]
TOTAL SURFACE RUNOFF (CM)	[illegible]
TOTAL GRW RUNOFF (CM)	1[illegible]
TOTAL MOISTURE RETENTION (CM)	[illegible]
TOTAL YIELD (CM)	1[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI[illegible]ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 1.877E+02

TOTAL DEGRADED (MOISTURE) 6.629E+02

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 3.015E+02

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NO
ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.47[illegible]E 02

SUBLAYER 2

FREE LIGAND (UG/ML) 8.360E-01

SUBLAYER 1

FREE LIGAND (UG/ML) 8.360E-01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 8.024E-01

YEAR 23 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	6.885	6.573	9.669	12.213	12.549	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	6.885	6.573	9.669	12.213	12.549	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.988	0.328	2.775	0.120	5.749	0.435	8.234	0.568	10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.961	0.298	2.663	0.106	5.680	0.424	8.158	0.556	10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.000	0.634	1.915	0.411	3.274	0.463	1.716	0.722	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	-0.624	0.311	0.684	-0.118	1.337	-0.202	1.647	-0.016	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.000	0.048	0.000	0.075	0.000	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.000	0.000	0.064	0.013	0.011	0.033	0.795	0.000	7.440	3.752	1.580	0.5
YIELD (CM)	0.024	-0.025	0.177	-0.067	1.122	-0.127	4.870	-0.141	7.565	3.603	1.607	0.6
PAU/MPA (GZU)	1.005	0.969	0.988	1.087	0.996	1.123	0.997	0.997	0.995	1.010	1.008	0.8
PSA/MPA (GZU)	1.006	1.059	0.988	1.087	0.996	1.123	0.997	0.997	0.995	1.010	1.008	0.8

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD(UPPER)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
DEGRAD SOIL	3.476E+01	3.456E+01	4.276E+01	2.292E+01	1.172E+01	5.687E+01	5.314E+01	3.958E+01	4.527E+01	3.808E+01	3.223E+
DEGRAD WATER	1.247E+01	1.240E+01	1.534E+01	8.223E+00	4.205E+00	2.040E+01	1.906E+01	1.420E+01	1.624E+01	1.366E+01	1.156E+
DEGRAD SED	6.857E+00	6.818E+00	8.435E+00	4.520E+00	2.311E+00	1.121E+01	1.048E+01	7.806E+00	8.926E+00	7.508E+00	6.356E+
TOTAL DEGRAD	5.409E+01	5.381E+01	6.657E+01	3.567E+01	1.823E+01	8.848E+01	8.268E+01	6.159E+01	7.044E+01	5.925E+01	5.015E+
LEACHED	1.414E+03	1.363E+03	1.322E+03	1.277E+03	1.232E+03	1.192E+03	1.159E+03	1.117E+03	1.077E+03	1.037E+03	9.977E+
TOTAL LOSS	1.468E+03	1.417E+03	1.388E+03	1.313E+03	1.250E+03	1.281E+03	1.242E+03	1.178E+03	1.147E+03	1.096E+03	1.047E+

```
 DEGRAD-MOIS 1.077E-01 2.942E+01 2.905E+01 2.101E+01 2.795E-01 2.842E+01 2.812E-
 O+NSORBED 1.097E+00 2.997E+01 2.960E+01 2.141E+01 2.848E-01 2.895E+01 2.865E-
 CO 5.807E-09 1.586E-03 1.566E-03 1.133E-03 1.507E-07 1.532E-03 1.516E-
 ADS ON SOIL 3.197E-01 8.734E+00 8.626E+00 6.239E+00 8.299E-02 8.434E+00 8.345E-
 O+NSORBED 2.857E-01 7.803E+00 7.707E+00 5.574E+00 7.414E-02 7.535E+00 7.456E-
 CO 2.541E+00 6.940E+02 6.853E+02 4.957E+02 6.594E+00 6.701E+02 6.630E+
```

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

```
MOISTURE    7.253E-08 6.980E-08 6.660E-08 6.350E-08 6.085E-08 5.864E+08 5.690E-
 ADS ON SOIL 6.405E-08 6.166E-08 5.882E-08 5.608E-08 5.374E-08 5.180E-08 5.026E-
 SOLUBILITY 9.145E-08 8.802E-08 8.398E-08 8.007E-08 7.673E-08 7.396E-08 3.477E-08 3.351E-08 3.251E-
 O+NSORBED 1.289E-08 1.241E-08 1.184E-08 1.129E-08 1.082E-08 1.043E-08 1.012E-
 ADSORBED 9.020E-07 8.683E-07 8.283E-07 7.898E-07 7.569E-07 7.297E-07 5.051E-07 4.867E-07 4.723E-
 2.602E-07 4.487E-07 4.404E-07 4.197E-07 3.866E-07 3.726E-07 3.617E-07
 SOIL ATE 1.551E-08 1.512E-08 1.457E-08 1.394E-08 1.340E-08 1.289E-08 1.229E-
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
 1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SUBLAYER 2

```
MOISTURE    3.930E-08 3.864E-08 3.798E-08 3.790E-08 3.720E-08 3.650E-08 3.577E-
 3.004E-08 2.930E-08 2.857E-08 2.781E-08 2.707E-08
 SOLUBILITY 2.206E-08 2.170E-08 2.115E-08 2.055E-08 2.126E-08 2.086E-08 2.044E-
 2.002E-08 1.958E-08 1.918E-08 1.872E-08 1.833E-08
 ADSORBED 3.262E-07 3.207E-07 3.152E-07 3.145E-07 3.088E-07 3.029E+07 2.969E-
 2.905E-07 2.842E-07 2.778E-07 2.712E-07 2.648E-07
 SOIL ATE 8.404E-09 8.266E-09 8.110E-09 7.955E-09 8.184E-09 8.022E-09 7.729E-
 7.516E-09 7.309E-09 7.084E-09 6.904E-09 6.761E-09
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
 1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SUBLAYER 3

```
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
 1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SUBLAYER 4

```
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
 1 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
```

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

```
POLYDEP CM  8.044E+01 8.088E+01 8.155E+01 8.241E+01 8.299E+01 8.347E+01 8.374E+
 1 8.381E+01 8.384E+01 8.384E+01 8.385E+01 8.389E+01
```

YEAR = 23 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

LOWER SOIL ZONE 8.885E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 6.01
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 6.01
TOTAL PRECIPITATION (CM) 1.19E+02
TOTAL EVAPOTRANSPIRATION (CM) 1.19E+02
TOTAL SURFACE RUNOFF (CM) 1.19E+02
TOTAL GRW RUNOFF (CM) 1.19E+02
TOTAL MOISTURE RETENTION (CM) 1.19E+02
TOTAL YIELD (CM) 0.00E+00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 1.164E+02
TOTAL DEGRADED (MOISTURE) 4.129E+02
SUBLAYER 2
TOTAL DEGRADED (MOISTURE) 2.472E+02
SUBLAYER 3
SUBLAYER 4

SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 5.897E-08
ADSORBED SOIL (UG/G) 4.894E-07
SOIL AIR (UG/ML) 1.272E-08
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 3.532E-08
ADSORBED SOIL (UG/G) 2.992E-07
SOIL AIR (UG/ML) 7.618E-09
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	3.328	2.775	5.729	8.234	10.311	7.148	6.128	3.8
INT INFIL (CM)	0.961	3.298	2.763	5.680	8.158	10.185	7.097	6.101	3.8
EVAPOTRANS. (CM)	1.700	1.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	0.522	3.311	0.684	1.337	1.647	0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.113	0.202	0.016	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.004	-0.025	0.054	1.078	4.795	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	-0.087	-0.137	-0.141	7.565	3.803	1.607	0.6
PAU/MPA (GZU)	1.008	1.059	-0.074	-0.126	-0.108				
PA/MPA (GZ)	1.008	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997	0.995	1.010	1.008	0.9
			1.087	1.123	0.997				

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
ZERO EACH MONTH, IT IS NOT PRINTED

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
UPPER SOIL ZONE:												
SUBLAYER 1												
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	2.186E+01	2.686E+01	3.223E+01	3.293E+01	2.803E+01	2.358E+01	1.996E+
IN_SOIL_MOI	7.109E+00	8.724E+00	1.049E+01	1.070E+01	9.165E+00	7.707E+00	6.562E+
ADS_ON_SOIL	5.047E+03	7.700E+03	9.628E+03	9.117E+03	8.770E+02	8.429E+02	8.194E+
IN_SOIL_AIR	7.825E+02	7.648E+02	9.128E+02	8.607E+02	2.119E+00	2.274E+00	2.374E+
	2.494E+00	2.458E+00	2.330E+00	2.166E+00			
SUBLAYER 2												
DEGRAD_MOIS	1.498E+01	1.862E+01	2.297E+01	2.418E+01	2.104E+01	1.800E+01	1.540E+
IN_SOIL_MOI	4.937E+00	6.142E+00	7.566E+00	7.980E+00	6.924E+00	5.937E+00	5.064E+
ADS_ON_SOIL	7.860E+03	1.195E+04	1.495E+04	1.420E+04	6.625E+02	6.493E+02	6.323E+
IN_SOIL_AIR	1.219E+03	1.191E+03	1.422E+03	1.340E+03	1.601E+00	1.752E+00	1.832E+
	1.922E+00	1.909E+00	1.881E+00	1.909E+00	1.912E+00							
SUBLAYER 3												
SUBLAYER 4												
SOIL ZONE 2:												
SUBLAYER 1												
SUBLAYER 2												

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE	4.507E-08	4.350E-08	4.143E-08	3.923E-08	3.774E-08	3.627E-08	3.526E-
08 3.442E-08	3.367E-08	3.291E-08	3.206E-08	3.134E-08		
%SOLUBILITY	2.775E-08	2.686E-08	2.567E-08	2.427E-08	2.157E-08	2.073E-08	2.015E-
08 1.967E-08	1.924E-08	1.881E-08	1.835E-08	1.795E-08		
ADSORBED	3.741E-07	3.610E-07	3.439E-07	3.255E-07	3.132E-07	3.010E-07	2.927E-
07 2.857E-07	2.785E-07	2.722E-07	2.654E-07	2.596E-07		
SOIL AIR	9.638E-08	9.422E-08	9.065E-08	8.671E-08	8.313E-09	7.972E-09	7.519E-
09 7.363E-09	7.165E-09	6.925E-09	6.647E-09	6.385E-09		
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 2

MOISTURE	3.130E-08	3.066E-08	2.987E-08	2.926E-08	2.851E-08	2.794E-08	2.721E-
08 2.650E-08	2.577E-08	2.518E-08	2.510E-08	2.510E-08		
%SOLUBILITY	1.789E-08	1.752E-08	1.707E-08	1.672E-08	1.629E-08	1.597E-08	1.555E-
08 1.514E-08	1.473E-08	1.439E-08	1.434E-08	1.434E-08		
ADSORBED	2.598E-07	2.545E-07	2.479E-07	2.428E-07	2.366E-07	2.319E-07	2.258E-
07 2.199E-07	2.139E-07	2.090E-07	2.083E-07	2.083E-07		
SOIL AIR	6.690E-08	6.541E-08	6.293E-08	6.019E-08	6.280E-09	6.141E-09	5.880E-
09 5.685E-09	5.485E-09	5.322E-09	5.302E-09	5.294E-09		
FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 4

FREE LIGAND	3.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01	3.197E-
01 3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	8.408E+01	8.453E+01	8.520E+01	8.606E+01	8.664E+01	8.711E+01	8.739E+
01 8.746E+01	8.748E+01	8.749E+01	8.750E+01	8.754E+01		

YEAR - 24 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	45.000
TOTAL INFILTRATION (CM)	45.000
TOTAL EVAPOTRANSPIRATION (CM)	26.545
TOTAL SURFACE RUNOFF (CM)	0.000
TOTAL GRW ANNOFF (CM)	18.455
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	18.455

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, A
PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

SUBLAYER 1

TOTAL DEGRADED (MOISTURE) 3.182E-02

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 1.912E-02

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.855E-08
ADSORBED SOIL (UG/G)	1.033E-07
SOIL AIR (UG/ML)	1.884E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.770E-08
ADSORBED SOIL (UG/G)	1.298E-07
SOIL AIR (UG/ML)	1.353E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 8.754E-01

YEAR =25 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN ZONE (%)			7.605	9.069	12.213				13.149	11.709	10.245	8.9
MOIS. BELOW ZONE (%)			7.605	9.069	12.213				13.149	11.709	10.245	8.9

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EVAPOTRANS. (CM)	0.290	0.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SUR. RUNOFF (CM)	0.030	0.013	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GW. RUNOFF (CM)	0.025	0.007	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FIELD (CM)	0.089	0.005	-0.074	-0.126	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PAU/MPA (GZU)	1.059	1.057	0.995	0.995	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PA/MPA (GZ)	1.059	1.057	0.995	0.995	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

G) --

POLLUTANT MASS INPUT TO COLUMN (U

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:							
SUBLAYER 1							
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_HOTS	1.325E+01	1.029E+01	2.278E+01	1.955E+01	1.679E+01	1.405E+01	1.183E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN_SOIL_MOI	4.300E+00	5.334E+00	6.534E+00	6.422E+00	5.479E+00	4.583E+00	3.873E+
ADS_ON_SOIL	3.423E+02	4.263E+02	5.229E+02	5.366E+02	5.243E+02	5.013E+02	4.836E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN_SOIL_AIR	2.010E+00	1.712E+00	1.340E+00	1.171E+00	1.267E+00	1.352E+00	1.401E+
[illegible]	1.429E+00	1.509E+00	1.422E+00	1.327E+00			
SUBLAYER 2							
DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
INTEGRAD_HOTS	1.183E+01	1.480E+01	1.855E+01	1.590E+01	1.672E+01	1.441E+01	1.260E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN_SOIL_MOI	3.843E+00	4.992E+00	5.315E+00	5.224E+00	5.488E+00	4.802E+00	4.167E+
ADS_ON_SOIL	5.810E+02	5.787E+02	5.501E+02	5.417E+02	5.252E+02	5.252E+02	5.229E+
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN_SOIL_AIR	1.678E+00	1.603E+00	1.090E+00	1.158E+00	1.269E+00	1.417E+00	1.515E+
[illegible]	1.882E+00	1.866E+00	1.881E+00	1.660E+00	1.601E+00		
SUBLAYER 3							
SUBLAYER 4							
SOIL ZONE 2:							
SUBLAYER 1							
SUBLAYER 2							
SUBLAYER 3							
SUBLAYER 4							
SUBLAYER 5							
SUBLAYER 6							
SOIL ZONE 3:							
SUBLAYER 1							
LOWER SOIL ZONE:							
SUBLAYER 1							

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.764E-08 2.660E-08 2.505E-08 2.355E-08 2.256E-08 2.157E-08 2.091E-08
RESOLUBILITY 1.520E-08 1.520E-08 1.520E-08 1.520E-08 1.289E-08 1.283E-08 1.189E-08
ADSORBED 2.154E-07 2.154E-07 2.068E-07 1.935E-07 1.872E-07 1.790E-07 1.727E-07
SOIL AIR 5.816E-09 5.761E-09 5.425E-09 5.078E-09 4.969E-09 4.741E-09 4.497E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 2.500E-08 2.490E-08 2.410E-08 2.331E-08 2.260E-08 2.260E-08 2.250E-08
RESOLUBILITY 1.520E-08 1.520E-08 1.520E-08 1.520E-08 1.291E-08 1.291E-08 1.286E-08
ADSORBED 2.078E-07 2.087E-07 2.000E-07 1.935E-07 1.876E-07 1.876E-07 1.868E-07
SOIL AIR 5.346E-09 5.393E-09 5.173E-09 5.162E-09 4.978E-09 4.967E-09 4.862E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 8.774E+01 8.817E+01 8.885E+01 8.971E+01 9.028E+01 9.076E+01 9.104E+01 9.111E+01 9.113E+01 9.114E+01 9.114E+01 9.118E+01

YEAR = 26 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00
SOIL ZONE 2 0.000E+00
SOIL ZONE 3 0.000E+00
LOWER SOIL ZONE 0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.024
TOTAL PRECIPITATION (CM) 45.720
TOTAL INFILTRATION (CM) 45.720
TOTAL EVAPOTRANSPIRATION (CM) 25.542
TOTAL SURFACE RUNOFF (CM) 0.000
TOTAL GRW RUNOFF (CM) 18.000
TOTAL MOISTURE RETENTION (CM) 1.800
TOTAL YIELD (CM) 18.543

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 4.288E-01
TOTAL DEGRADED (MOISTURE) 1.545E+02

SUBLAYER 2

TOTAL DIFFUSED (UP) 7.156E+00
TOTAL DEGRADED (MOISTURE) 1.568E+02

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.294E-08
ADSORBED SOIL (UG/G)	1.830E-07
SOIL AIR (UG/ML)	4.785E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	2.294E-08
ADSORBED SOIL (UG/G)	1.830E-07
SOIL AIR (UG/ML)	4.944E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML) 3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML) 3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.119E-01

YEAR -26 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.968	3.328	2.775	5.729	8.234	10.311	7.148	6.128	3.6
NET INFIL. (CM)	0.951	3.298	3.663	5.680	8.158	10.185	7.097	6.101	3.6
EVAPOTRANSP. (CM)	0.017	0.634	0.706	0.724	0.556	2.139	4.277	5.459	3.8
MOIS. RETEN (CM)	0.724	0.311	0.441	0.463	0.722	0.647	0.606	-0.932	-0.948	-0.9
SUR. RUNOFF (CM)	0.000	0.030	0.003	0.011	0.033	0.076	0.126	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.057	0.073	4.795	4.871	7.565	3.803	1.507	0.5
YIELD (%)	0.059	0.005	-0.074	-0.126	-0.108							
BAU/MPA (GZU)	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9
BA/MPA (GZU)	1.059	0.998	0.996	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (

	MAY	OCT	NOV	DEC	JAN	FEB	MAR	APR
	(LEGA)	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00
00	LOAD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00
	LOAL ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00
	TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E-00	0.000E-00

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

	UPPER SOIL ZONE:							
	SUBLAYER 1							
	VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
00	0.000E+00	0.000E+00	0.000E+00	1.518E+01	1.438E+01			
	DEGRAD MOIS	8.234E+00	1.022E+01	1.309E+01	1.352E+01	1.059E+01	8.785E+00	7.482E+00
00	6.421E+00	5.021E+00	5.741E+00	5.309E+00	4.066E+00			
	IN SOIL MOI	2.745E+00	3.331E+00	4.009E+00	4.066E+00	3.441E+00	2.849E+00	2.494E+00
00	2.142E+00	2.007E+00	2.914E+00	3.093E+00	2.465E+00			
	ADS ON SOIL	4.044E+02	3.860E+02	3.674E+02	3.463E+02	3.293E+02	3.116E+02	3.114E+02
00	3.114E+02	3.114E+02	3.174E+02	3.930E+02	2.758E+02			
	IN SOIL AIR	1.265E+01	1.069E+01	9.458E-01	7.417E-01	7.956E-01	8.408E-01	9.024E-01
01	9.717E-01	9.925E-01	1.001E+00	9.590E-01	9.044E-01			
	SUBLAYER 2							
	DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
00	0.000E+00	0.000E+00	1.252E+01	1.549E+01	1.612E+01			
	DEGRAD MOIS	9.593E+00	1.252E+01	1.549E+01	1.612E+01	1.394E+01	1.199E+01	1.050E+01
01	9.009E+00	8.447E+00	8.054E+00	7.522E+00	7.195E+00			
	IN SOIL MOI	3.907E+00	4.746E+00	5.707E+00	5.788E+00	4.575E+00	3.995E+00	3.499E+00
00	3.003E+00	2.816E+00	4.085E+00	4.337E+00	3.456E+00			
	ADS ON SOIL	4.857E+02	4.634E+02	4.411E+02	4.157E+02	4.378E+02	4.369E+02	4.369E+02
01	4.369E+02	4.369E+02	4.443E+02	4.722E+02	4.313E+02			
	IN SOIL AIR	1.520E+01	1.284E+01	1.136E+00	9.660E-01	1.058E+00	1.179E+00	1.266E+00
00	1.363E+00	1.392E+00	1.404E+00	1.372E+00	1.315E+00			
	SUBLAYER 3							
	SUBLAYER 4							
	SOIL ZONE 2:							
	SUBLAYER 1							
	SUBLAYER 2							
	SUBLAYER 3							
	SUBLAYER 4							
	SUBLAYER 5							
	SUBLAYER 6							
	SOIL ZONE 3:							
	SUBLAYER 1							
	LOWER SOIL ZONE:							
	SUBLAYER 1							
	SUBLAYER 2							

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

	UPPER SOIL ZONE:							
	SUBLAYER 1							
	MOISTURE	1.740E-08	1.681E-08	1.581E-08	1.491E-08	1.417E-08	1.341E-08	1.340E-08
00	1.340E-08	1.340E-08	1.340E-08	1.340E-08	1.340E-08			
	SOIL	9.093E-09	9.093E-09	9.093E-09	9.093E-09	8.097E-09	7.663E-09	7.657E-09
00	7.657E-09	7.657E-09	7.657E-09	7.657E-09	7.657E-09			
	ADSORBED	1.244E-07	1.279E-07	1.279E-07	1.279E-07	1.176E-07	1.113E-07	1.112E-07
00	1.112E-07	1.112E-07	1.112E-07	1.112E-07	1.112E-07			
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.131E-09	2.947E-09	2.935E-09

```
          SUBLAYER  2
 MOISTURE     2.080E-08 2.080E-08 [illegible] [illegible] 1.5[illegible]E 08 1.5[illegible]E 08 1.530E
01 [illegible]
 SOLUBLE [illegible] 1.194E-08 [illegible] [illegible] [illegible] 1.077E 08 1.0[illegible]E 08 1.074E-
08 1.074E-08 1.074E-08 1.074E-08 1.0[illegible] [illegible] 0.000E-08
 ADSORBED     1.735E-07 1.726E-07 [illegible] [illegible] 1.504E 07 1.50[illegible]E 07 1.500E-
07 1.560E-07 1.560E-07 [illegible] [illegible] [illegible]
 SOIL AIR     4.[illegible]E-09 4.[illegible]E-09 [illegible] [illegible] 4.150E 09 4.1[illegible]E 09 4.102E
09 4.033E-09 4.00[illegible]E-09 4.[illegible]E-09 [illegible] 0.[illegible]E-05
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 [illegible] 2.450E+01 2.8[illegible]E-01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
          SUBLAYER  3
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
          SUBLAYER  4
 FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
      SOIL ZONE 2:
      SOIL ZONE 3:
      LOWER SOIL ZONE:

 POL DEP CM  9.138E+01 9.182E+01 9.249E+01 9.335E+01 9.393E+01 9.441E+01 9.468E+
01 9.476E+01 9.478E+01 9.478E+01 9.478E+01 9.483E+01
                                   YEAR -  25 ANNUAL SUMMARY REPORT
                                   ================================

          -- TOTAL INPUTS (UG) --

 UPPER SOIL ZONE                  0.000E+00
 SOIL ZONE 2                      0.000E+00
 SOIL ZONE 3                      0.000E+00
 LOWER SOIL ZONE                  0.000E+00

           -- HYDROLOGIC CYCLE COMPONENTS --
 AVERAGE SOIL MOISTURE ZONE 1 (%)                   9.041
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)             9.041
 TOTAL PRECIPITATION (CM)                          46.089
 TOTAL INFILTRATION (CM)                           45.542
 TOTAL EVAPOTRANSPIRATION (CM)                     26.546
 TOTAL SURFACE RUNOFF (CM)                          0.542
 TOTAL GW RUNOFF (CM)                              18.996
 TOTAL MOISTURE RETENTION (CM)                      0.001
 TOTAL YIELD (CM)                                  19.543
           -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
---------------------------------------------------------------------------------
 FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
---------------------------------------------------------------------------------

      UPPER SOIL ZONE:
          SUBLAYER  1
             TOTAL VOLATILIZED                2.857E+01
             TOTAL DEGRADED (MOISTURE)        8.861E+01
          SUBLAYER  2
             TOTAL DIFFUSED (UP)              1.273E+01
             TOTAL DEGRADED (MOISTURE)        1.307E+02
          SUBLAYER  3

          SUBLAYER  4

      SOIL ZONE 2:
          SUBLAYER  1

          SUBLAYER  2

          SUBLAYER  3

          SUBLAYER  4

          SUBLAYER  5

          SUBLAYER  6

      SOIL ZONE 3:
          SUBLAYER  1

      LOWER SOIL ZONE:
```

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.420E-08
ADSORBED SOIL (UG/G)	1.179E-07
SOIL AIR (UG/ML)	3.051E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.911E-08
ADSORBED SOIL (UG/G)	1.586E-07
SOIL AIR (UG/ML)	4.118E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	9.483E-01

YEAR -27 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	9.669	12.213	18.149	11.709	10.245	8.9			
MOIS. BELOW L1 (%)	7.701	7.221	7.605	9.669	12.213	13.149	11.709	10.245	8.9			
PRECIPATION (CM)	0.955	2.328	2.775	5.723	8.234	10.311	7.148	6.128	3.0			
NET INFILT. (CM)	0.951	2.298	2.663	5.650	8.158	10.185	7.097	6.101	3.0			
EVAPOTRANS. (CM)	1.000	1.634	1.915	3.271	1.717	2.139	4.277	5.469	3.8			
MOIS. RTEN (CM)	-0.004	0.311	0.684	1.337	1.647	0.606	-0.932	-0.946	-0.8			
SUR. RUNOFF (CM)	0.000	0.030	0.177	1.122	4.870	7.565	3.803	1.607	0.6			
GRW. RUNOFF (CM)	0.004	-0.026	-0.087	-0.087	-0.121							
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)	1.005	1.059	0.988	0.996	0.997	0.995	1.010	1.008	0.9			
PA/MPA (%)	1.005	1.059	1.087	1.123	0.997	0.995	1.010	1.008	0.9			

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CAP ZONE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

SOIL PATH POLLUTANT MASS REMOVED IN SOLUTION IN COLUMN (UG) NOTE: IF COMPONENT

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
[illegible]	0.000E+00	0.000E+00	[illegible]	0.000E+00	0.000E+00	0.000E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.382E+00	6.438E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.453E+00	2.146E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.347E+02	2.347E+02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.671E-01	6.332E-01
7.324E-01	7.480E-01	7.524E-01	7.605E-01	7.619E-01		

SUBLAYER 2

DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEGRAD MOIST	1.142E+00	1.029E+00	7.252E+00	6.374E+00	1.209E+01	1.058E+01
7.954E+00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN SOIL ZONE	[illegible]	[illegible]	[illegible]	[illegible]	4.031E+00	3.527E+00
2.651E+00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADS ON SOIL	3.997E+02	3.972E+02	3.951E+02	3.888E+02	3.858E+02	3.858E+02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN SOIL AIR	1.251E+00	1.101E+00	9.093E-01	8.267E-01	9.320E-01	1.041E+00
1.204E+00	1.229E+00	1.240E+00	1.205E+00	1.151E+00		

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.180E-08	1.170E-08	1.091E-08	1.014E-08	1.010E-08	1.010E-08
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOLUBILITY	5.743E-09	5.585E-09	5.234E-09	4.794E-09	5.771E-09	5.771E-09
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	8.764E-08	8.711E-08	8.714E-08	8.416E-08	8.383E-08	8.383E-08
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	2.383E-09	2.344E-09	2.300E-09	2.241E-09	2.225E-09	2.220E-09
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	2.150E-09	2.125E-09	2.104E-09	2.105E-09	2.182E-09	2.450E-09
3.772E+01	2.967E+01	2.348E+01	2.182E+01	2.450E+01	2.800E+01	3.197E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 2

MOISTURE	1.720E-08	1.710E-08	1.700E-08	1.662E-08	1.660E-08	1.660E-08
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOLUBILITY	9.771E-09	9.714E-09	9.651E-09	9.497E-09	9.486E-09	9.486E-09
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ADSORBED	1.378E-07	1.378E-07	1.377E-07	1.373E-07	1.378E-07	1.378E-07
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOIL AIR	3.678E-09	3.655E-09	3.630E-09	3.617E-09	3.656E-09	3.648E-09
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FREE LIGAND	3.772E+01	2.967E+01	2.348E+01	2.182E+01	2.450E+01	2.800E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 3

FREE LIGAND	3.772E+01	2.967E+01	2.348E+01	2.182E+01	2.450E+01	2.800E+01
3.725E+01	3.973E+01	4.167E+01	4.364E+01	4.380E+01		

SUBLAYER 4

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POLFED-EM: 8.598E-01 8.852E+01 8.614E-01 8.708E+01 8.757E-01 8.815E+01 8.868E-

01 8.878E-01: 8.898E-01 8.902E+01 8.914E-01 8.918E+01 8.922E-01 8.926E-

YEAR 17 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	4.000E+00
TOTAL INFILTRATION (CM)	2.[illegible]
TOTAL EVAPOTRANSPIRATION (CM)	2.[illegible]
TOTAL SURFACE RUNOFF (CM)	1.[illegible]
TOTAL GRW RUNOFF (CM)	1.[illegible]
TOTAL MOISTURE RETENTION (CM)	1.[illegible]
TOTAL YIELD (CM)	1.[illegible]

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG). -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.347E+01
TOTAL DEGRADED (MOISTURE)	7.116E+01

SUBLAYER 2

TOTAL DIFFUSED (UP)	1.367E+01
TOTAL DEGRADED (MOISTURE)	1.125E+02

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

ZERO VALUES ARE PRINTED -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.048E-08
ADSORBED SOIL (UG/G)	8.[illegible]
SOIL AIR (UG/ML)	1.[illegible]
FREE RADICAL (UG/ML)	1.[illegible]

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.048E-01

YEAR -28 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.297	7.221	7.605	9.669	12.213				13.149	11.708	10.245	8.9
MOIS. BELOW L1 (%)	7.297	7.221	7.605	9.669	12.213				13.149	11.708	10.245	8.9
PRECIPITATION (CM)	0.958	1.328	2.775	5.729	8.234				10.311	7.148	6.128	3.6
NET INFILT. (CM)	0.951	1.298	2.668	5.680	8.158				10.185	7.097	6.101	3.6
EVAPOTRANS. (CM)	1.000	0.684	1.937	3.277	1.717				2.139	4.277	5.469	3.8
MOIS. RETEN (CM)	-0.024	-0.811	0.684	1.337	1.647				0.606	-0.932	-0.948	-0.8
SUR. RUNOFF (CM)	0.000	0.000	0.113	0.049	0.078				0.125	0.051	0.026	0.0
GEW. RUNOFF (CM)	0.000	0.030	0.067	1.073	4.795				7.440	3.752	1.580	0.8
YIELD (CM)	0.084	-0.025	0.177	1.123	4.873				7.565	3.803	1.607	0.6
	0.089	-0.005	-0.074	-0.126	-0.108							
BAU/MPA (GZU)	1.008	1.059	0.998	0.996	0.997				0.995	1.010	1.008	0.9
BAA/MPA (GZ)	1.008	1.059	1.087	1.123	0.997				0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD,UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD,ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD,ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD,LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD.MOIS	4.732E+00	5.959E+00	7.450E+00	1.024E+01	1.226E+01				6.631E+00	5.801E+00	5.081E+	
DEGRAD.ADS	1.247E+00	1.571E+00	1.963E+00	2.699E+00	3.233E+00				2.210E+00	1.934E+00	1.694E+	
ADS.CAP	2.354E+00	2.963E+00	3.703E+00	5.092E+00	6.099E+00				2.115E+02	2.115E+02	2.115E+	
MOIS.AIR	7.271E-01	9.159E-01	1.145E+00	1.574E+00	1.885E+00				5.109E-01	5.705E-01	6.128E-	
	6.509E-01	8.740E-01	8.797E-01	8.845E-01	6.857E-01							

SUBLAYER 2

[illegible] 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+

[illegible]

SUBLAYER 1

SOIL ZONE 2:
SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 1.000E-08 9.900E-09 9.800E-09 9.140E-09 9.100E-09 9.100E-09 9.100E-
09 9.100E-09 9.100E-09 9.100E-09 9.088E-09 9.000E-09
SOLUBILITY 5.714E-09 5.657E-09 5.600E-09 5.224E-09 5.200E-09 5.200E-09 5.200E-
09 5.200E-09 5.200E-09 5.200E-09 5.147E-09 5.096E-09
ADSORBED 7.553E-08 7.478E-08 7.404E-08 6.909E-08 6.876E-08 7.553E-08 7.553E-
08 7.553E-08 7.553E-08 7.553E-08 7.478E-08 7.404E-08
SOIL AIR 2.138E-09 2.117E-09 2.096E-09 1.956E-09 1.947E-09 2.004E-09 2.000E-09 1.966E-
09 1.932E-09 1.899E-09 1.866E-09 1.847E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 2

MOISTURE 1.500E-08 1.480E-08 1.480E-08 1.470E-08 1.470E-08 1.470E-08 1.470E-
08 1.470E-08 1.470E-08 1.470E-08 1.470E-08 1.470E-08
SOLUBILITY 8.571E-09 8.514E-09 8.457E-09 8.400E-09 8.400E-09 8.400E-09 8.400E-
09 8.400E-09 8.400E-09 8.400E-09 8.400E-09 8.400E-09
ADSORBED 1.245E-07 1.233E-07 1.220E-07 1.220E-07 1.220E-07 1.220E-07 1.220E-
07 1.220E-07 1.220E-07 1.220E-07 1.220E-07 1.220E-07
SOIL AIR 3.208E-09 3.177E-09 3.145E-09 3.238E-09 3.231E-09 3.176E-
09 3.123E-08 3.129E-09 3.083E-09 3.038E-09 2.993E-09 2.948E-09
FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 3

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SUBLAYER 4

FREE LIGAND 3.772E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

POL DEP CM 9.868E+01 9.912E+01 9.979E+01 1.006E+02 1.012E+02 1.017E+02 1.020E+
02 1.021E+02 1.021E+02 1.021E+02 1.021E+02 1.021E+02

YEAR 25 ANNUAL SUMMARY REPORT

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 8.882E+03
SUBLAYER 1 8.888E+08

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 1.00E+00
RATE PRECIPITATION (CM/HR) 1.00E+00
RATE EVAPOTRANSPIRATION (CM/HR) 1.00E+00
RATE RUNOFF (CM/HR) 1.00E+00
RATE GROUNDWATER RETENTION (CM/HR) 1.00E+00
TOTAL YIELD (CM) 1.5X2

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL NOT ADSORBED ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:
SUBLAYER 1
TOTAL VOLATILIZED 2.112E+01
TOTAL DEGRADED (MOISTURE) 6.307E+01
SUBLAYER 2
TOTAL DISPERSED (UP) 1.161E+01
TOTAL DEGRADED (MOISTURE) 9.897E+01
SUBLAYER 3
SUBLAYER 4
SOIL ZONE 2:
SUBLAYER 1
SUBLAYER 2
SUBLAYER 3
SUBLAYER 4
SUBLAYER 5
SUBLAYER 6
SOIL ZONE 3:
SUBLAYER 1
LOWER SOIL ZONE:
SUBLAYER 1
SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON
ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:
SUBLAYER 1
SOIL MOISTURE (UG/ML) 9.287E-09
ADSORBED SOIL (UG/G) 7.708E-08
SOIL AIR (UG/ML) 2.001E-09
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 2
SOIL MOISTURE (UG/ML) 1.457E-08
ADSORBED SOIL (UG/G) 1.209E-07
SOIL AIR (UG/ML) 3.140E-09
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 3
FREE LIGAND (UG/ML) 3.360E+01
SUBLAYER 4
FREE LIGAND (UG/ML) 3.360E+01
SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:
MAX. POLL. DEPTH (M) 1.021E-00

-- HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	7.605	6.855	6.573	8.234	9.689	12.213	13.149	11.709	10.245	8.9
MOIS. BELOW L1 (%)	7.701	7.221	7.605	6.855	6.573	8.234	9.689	12.213	13.149	11.709	10.245	8.9
PRECIPITATION (CM)	0.966	1.328	2.772	2.120	5.722	5.135	5.680	8.159	10.311	7.148	6.128	3.0
NET INFILT. (CM)	0.966	1.298	2.663	2.106	5.680	5.114	5.680	8.159	10.185	7.097	6.101	3.0
EVAPOTRANS. (CM)	1.700	1.634	0.684	1.911	1.337	1.463	1.647	1.722	2.139	4.277	5.468	3.8
MOIS. RETEN (CM)	-0.824	-0.311	-0.218	0.113	-0.202	0.039	-0.016	0.075	0.126	0.051	0.026	0.0
SUR. RUNOFF (CM)	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
GRW. RUNOFF (CM)	0.084	-0.025	0.087	0.077	0.137	0.121	0.141	4.705	7.440	3.752	1.580	0.5
YIELD (CM)	0.089	0.005	0.177	-0.074	0.122	-0.126	4.870	-0.108	7.565	3.803	1.607	0.6
RAU/MPA (GZU)	1.006	1.059	0.998	1.087	0.995	1.123	0.997	0.997	0.995	1.010	1.008	0.9
RA/MPA (GZ)	1.006	1.059	0.998	1.087	0.995	1.123	0.997	0.997	0.995	1.010	1.008	0.9

-- POLLUTANT MASS INPUT TO COLUMN (UG) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_ZONE_3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD_LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL_INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	4.269E+00	3.908E+00	3.858E+00	3.727E+00	3.520E+00	3.520E+00	7.120E+00	7.505E+00	6.338E+00	5.546E+00	4.857E+
N_SOIL_MOI	1.430E+00	1.303E+00	1.285E+00	1.242E+00	1.172E+00	1.172E+00	2.373E+00	2.501E+00	2.113E+00	1.849E+00	1.619E+
ADS_ON_SOIL	2.092E+02	2.092E+02	2.055E+02	2.055E+02	2.045E+02	2.045E+02	2.022E+02	2.022E+02	2.022E+02	2.022E+02	2.022E+
IN_SOIL_AIR	6.544E-01	5.729E-01	4.707E-01	4.707E-01	4.328E-01	4.328E-01	4.885E-01	5.455E-01	5.859E-
	6.309E-01	6.444E-01	6.498E-01	6.541E-01	6.553E-01							

SUBLAYER 2

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
DIFFUSED_UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD_MOIS	5.249E+00	4.806E+00	4.744E+00	4.582E+00	4.328E+00	4.328E+00	8.756E+00	9.232E+00	7.795E+00	6.821E+00	5.973E+
N_SOIL_MOI	2.789E+00	2.542E+00	2.507E+00	2.422E+00	2.286E+00	2.286E+00	4.629E+00	4.879E+00	4.123E+00	3.608E+00	3.158E+
ADS_ON_SOIL	1.893E+02	1.893E+02	1.859E+02	1.859E+02	1.850E+02	1.850E+02	1.829E+02	1.829E+02	1.829E+02	1.829E+02	1.829E+
IN_SOIL_AIR	8.354E-01	8.554E-01	8.633E-01	8.705E-01	8.725E-01	8.725E-01	8.717E-01	8.753E-01	7.243E-01	8.089E-01	8.687E-

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

MOISTURE 9.000E-09 8.900E-09 8.800E-09 8.700E-09 8.700E-09 8.700E-09 8.700E-
09 8.700E-09 8.700E-09 8.700E-09 8.700E-09 8.700E-09 8.700E-09 8.700E-09
SOLUBILITY 5.143E-09 5.086E-09 5.029E-09 4.971E-09 4.971E-09 4.971E-09 4.971E-
09 4.971E-09 4.971E-09 4.971E-09 4.971E-09 4.971E-09 4.971E-09 4.971E-09
ADSORBED 7.470E-08 7.387E-08 7.304E-08 7.221E-08 7.221E-08 7.221E-08 7.221E-
08 7.221E-08 7.221E-08 7.221E-08 7.221E-08 7.221E-08 7.221E-08 7.221E-08
SOIL AIR 1.823E-08 1.803E-08 1.783E-08 1.763E-08 1.923E-09 1.916E-09 1.912E-09 1.880E-
09 1.886E-09 1.886E-09 1.886E-09 1.886E-09 1.886E-09 1.886E-09 1.886E-09
FREE LIGAND 3.472E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 2

MOISTURE 1.320E-08 1.310E-08 1.300E-08 1.290E-08 1.290E-08 1.290E-08 1.290E-
08 1.290E-08 1.290E-08 1.290E-08 1.290E-08 1.290E-08 1.290E-08 1.290E-08
SOLUBILITY 7.543E-09 7.486E-09 7.429E-09 7.371E-09 7.371E-09 7.371E-09 7.371E-
09 7.371E-09 7.371E-09 7.371E-09 7.371E-09 7.371E-09 7.371E-09 7.371E-09
ADSORBED 1.096E-07 1.087E-07 1.079E-07 1.071E-07 1.071E-07 1.071E-07 1.071E-
07 1.071E-07 1.071E-07 1.071E-07 1.071E-07 1.071E-07 1.071E-07 1.071E-07
SOIL AIR 2.823E-09 2.801E-09 2.779E-09 2.757E-09 2.841E-09 2.835E-09 2.767E-
09 2.767E-09 2.767E-09 2.767E-09 2.767E-09 2.767E-09 2.767E-09 2.767E-09
FREE LIGAND 3.472E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 3

FREE LIGAND 3.472E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SUBLAYER 4

FREE LIGAND 3.472E+01 2.967E+01 2.349E+01 2.182E+01 2.450E+01 2.800E+01 3.197E+
01 3.725E+01 3.973E+01 4.167E+01 4.364E+01 4.380E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.023E+02 1.028E+02 1.034E+02 1.043E+02 1.049E+02 1.053E+02 1.056E+
02 1.057E+02 1.057E+02 1.057E+02 1.057E+02 1.058E+02 1.058E+02 1.058E+02

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	8.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	8.041
TOTAL PRECIPITATION (CM)	46.088
TOTAL INFILTRATION (CM)	45.546
TOTAL EVAPOTRANSPIRATION (CM)	25.546
TOTAL SURFACE RUNOFF (CM)	19.542
TOTAL LAT RUNOFF (CM)	1.000
TOTAL MOISTURE RETENTION (CM)	19.001
TOTAL YIELD (CM)	19.543

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL SOIL AIR IMMOBIL CEC COMPLEXED AI
D PORE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

SUBLAYER 1

TOTAL VOLATILIZED [illegible] 8.818E+01

SUBLAYER 2

TOTAL LEACHED (UP) 8.863E-02

TOTAL LEACHED (RECYCLED) 8.738E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.733E-08
ADSORBED SOIL (UG/G)	7.249E-05
SOIL AIR (UG/ML)	1.581E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.293E-08
ADSORBED SOIL (UG/G)	1.073E-05
SOIL AIR (UG/ML)	2.726E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.058E+00

YEAR 30 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP (IN)	[illegible]	[illegible]	7.605	9.869	13.213	[illegible]	[illegible]	[illegible]	13.143	11.709	13.245	[illegible]
RUNOFF (IN)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]							7.097	6.101	
[illegible]							4.377	5.469	
[illegible]							-0.932	-0.940	
[illegible]							0.051	0.028	
[illegible]							3.752	1.580	
[illegible]							3.903	1.607	
EAU/MPA (GZU)						0.995	1.010	1.008	
EA/MPA (GZ)	1.053					0.995	1.010	1.008	
	1.000								

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:									
SUBLAYER 1									
VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD (SOIL	4.070E+00	5.117E+00	5.556E+00	5.744E+00	5.795E+00	6.047E+00	5.291E+00	4.634E+	
IN SOIL WATER	3.229E+00	4.060E+00	4.408E+00	4.558E+00	4.599E+00	2.016E+00	1.764E+00	1.545E+	
ADS ON SOIL	1.842E+00	2.316E+00	2.514E+00	2.599E+00	2.622E+00	1.929E+02	1.929E+02	1.929E+	
IN SOIL AIR	6.258E-01	7.872E-01	8.546E-01	8.835E-01	8.913E-01	4.680E-01	5.204E-01	5.586E-	
	6.018E-01	6.147E-01	8.199E-01	6.236E-01	6.248E-01				
SUBLAYER 2									
DIFFUSED UP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
DEGRAD (SOIL	6.012E+00	7.563E+00	8.212E+00	8.490E+00	8.565E+00	9.034E+00	7.905E+00	6.923E+	
IN SOIL WATER	2.772E+00	3.527E+00	3.831E+00	3.961E+00	3.997E+00	3.011E+00	2.635E+00	2.308E+	
ADS ON SOIL	1.581E+00	2.012E+00	2.185E+00	2.259E+00	2.279E+00	2.882E+02	2.882E+02	2.882E+	
IN SOIL AIR	5.373E-01	6.839E-01	7.427E-01	7.679E-01	7.747E-01	6.962E-01	7.775E-01	8.350E-	
	8.991E-01	9.184E-01	9.262E-01	9.431E-01	9.440E-01				
SUBLAYER 3									
SUBLAYER 4									
SOIL ZONE 2:									
SUBLAYER 1									
SUBLAYER 2									
SUBLAYER 3									
SUBLAYER 4									
SUBLAYER 5									
SUBLAYER 6									
SOIL ZONE 3:									
SUBLAYER 1									
LOWER SOIL ZONE:									
SUBLAYER 1									

RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED (UG/G) WITH IF CONCENTRATIONS A

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	5.630E-09	5.580E-09	5.480E-09	5.380E-09	5.280E-09	5.180E-09
5.080E-09	5.300E-09	5.190E-09	5.080E-09	4.970E-09	4.860E-09	4.750E-09
SOLUBILITY	4.743E-09	4.743E-09	4.743E-09	4.743E-09	4.743E-09	4.743E-09
4.743E-09	4.743E-09	4.743E-09	4.743E-09	4.743E-09	4.743E-09	4.743E-09
ADSORBED	7.000E-08	7.000E-08	7.000E-08	7.000E-08	7.000E-08	7.000E-08
7.000E-08	6.889E-08	6.889E-08	6.889E-08	6.889E-08	6.889E-08	6.889E-08
SOIL AIR	1.838E-09	1.838E-09	1.838E-09	1.838E-09	1.838E-09	1.838E-09
1.838E-09	1.780E-09	1.744E-09	1.744E-09	1.744E-09	1.744E-09	1.744E-09
FREE LIGAND	1.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.725E+01	3.973E+01	4.187E+01	4.364E+01	4.380E+01		

SUBLAYER 2

MOISTURE	1.270E-08	1.260E-08	1.250E-08	1.240E-08	1.240E-08	1.240E-08
1.240E-08	1.240E-08	1.240E-08	1.240E-08	1.240E-08	1.240E-08	1.240E-08
SOLUBILITY	7.257E-09	7.200E-09	7.143E-09	7.086E-09	7.086E-09	7.086E-09
7.086E-09	7.086E-09	7.086E-09	7.086E-09	7.086E-09	7.086E-09	7.086E-09
ADSORBED	1.054E-07	1.046E-07	1.037E-07	1.029E-07	1.029E-07	1.029E-07
1.029E-07	1.029E-07	1.029E-07	1.029E-07	1.029E-07	1.029E-07	1.029E-07
SOIL AIR	2.711E-09	2.689E-09	2.667E-09	2.645E-09	2.731E-09	2.725E-09
2.679E-09	2.660E-09	2.639E-09	2.609E-09	2.609E-09	2.610E-09	2.632E-09
FREE LIGAND	1.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.725E+01	3.973E+01	4.187E+01	4.364E+01	4.380E+01		

SUBLAYER 3

FREE LIGAND	1.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.725E+01	3.973E+01	4.187E+01	4.364E+01	4.380E+01		

SUBLAYER 4

FREE LIGAND	1.772E+01	2.967E+01	2.349E+01	2.182E+01	2.450E+01	2.800E+01
3.725E+01	3.973E+01	4.187E+01	4.364E+01	4.380E+01		

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	1.069E+02	1.064E+02	1.071E+02	1.079E+02	1.085E+02	1.090E+02
1.093E+02	1.095E+02	1.094E+02	1.094E+02	1.094E+02	1.094E+02	

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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.041
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.041
TOTAL PRECIPITATION (CM)	40.059
TOTAL INFILTRATION (CM)	40.059
TOTAL EVAPOTRANSPIRATION (CM)	25.154
TOTAL SURFACE RUNOFF (CM)	14.906
TOTAL GW RUNOFF (CM)	0.000
TOTAL MOISTURE RETENTION (CM)	100.001
TOTAL YIELD (CM)	100.523

-- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT I
E ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI ADS ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.824E+01
TOTAL DEGRADED (MOISTURE)	5.630E+01

SUBLAYER 2

TOTAL DIFFUSED (UP)	9.848E-09
TOTAL DEGRADED (MOISTURE)	8.406E+01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SOIL ZONE 2:
SUBLAYER 1

LOWER SOIL ZONE:
SUBLAYER 1

SUBLAYER 2

-- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:
SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.333E-08
ADSORBED SOIL (UG/G)	6.517E-08
SOIL A-B (UG/ML)	1.795E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.245E-08
ADSORBED SOIL (UG/G)	1.033E-07
SOIL A-B (UG/ML)	2.582E-09
FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 3

FREE LIGAND (UG/ML)	3.360E+01

SUBLAYER 4

FREE LIGAND (UG/ML)	3.360E+01

SOIL ZONE 2:
SOIL ZONE 3:
LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.094E+00

**********EXECUTION COMPLETED**********