APPENDIX E
RISK ASSESSMENT ASSUMPTIONS AND CALCULATIONS

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RISK ASSESSMENT CALCULATIONS

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1.0 TECHNICAL APPROACH

The technical approach for simulations performed for this risk assessment is described in Section 7.0 in the main body of this report.

2.0 EQUATIONS

Estimates of potential human exposures to environmental contaminants hinge on the concept of determining empirically or estimating mathematically the exposure or dose of chemical received. This dose is expressed in terms of milligrams of chemical per kilogram of body weight per averaged over a period of one day (i.e., mg/kg-day). Once the dose of chemical received has been quantified, the resulting exposure estimate may be compared to acceptable exposure levels (as is the case with exposure to non-carcinogenic chemicals) or multiplied by a quantitative estimate of the chemical's inherent ability to induce cancer (i.e., cancer slope factor) in order to obtain a quantitative estimate of potential "risk".

While the methodologies for evaluating carcinogenic and non-carcinogenic chemicals differ slightly, chemical exposure (or dose) for carcinogenic and non-carcinogenic chemicals is quantified in essentially the same manner. Since exposure to carcinogens is average over a lifetime and exposure to non-carcinogens is averaged over the exposure period, the averaging time differs for carcinogenic and non-carcinogenic dose estimates. The following equation provides a simplified equation for calculating chemical exposure (or dose). The toxicity criteria and exposure parameters used in the assessment are presented in Tables E-5 and E-6.

$$Dose = \frac{C * ER * EF * ED}{BW * AT} \qquad \textit{(Equation 1)}$$

where,
Dose = Chemical exposure (mg/kg-day)
C = Concentration of chemical in matrix (mass of chemical/unit measure of matrix)
ER = Exposure rate (units/day)
EF = exposure frequency (days/yr)
ED = exposure duration (yr)
BW = body weight (kg)
AT = averaging time (days)
mg = milligrams
kg = kilograms
yr = year

For carcinogens, the dose of chemical received over a lifetime is expressed in terms of mg/kg-day. Since this dose is averaged over the average lifetime of 70 years, this term is often referred to as the Lifetime Average Daily Dose or LADD. A quantitative estimate

of risk is derived by multiplying the LADD by the Cancer Slope Factor (CSF). As the CSF is expressed in terms of $(mg/kg\text{-}day)^{-1}$, the resulting incremental cancer risk estimate is unitless.

$$Risk = LADD * CSF \qquad \textit{(Equation 2)}$$

Non-carcinogenic exposure is also expressed in terms of mg/kg-day. However, the dose is averaged over the duration of the exposure period rather than the lifetime of the individual and is expressed in terms of Average Daily Dose (ADD). A determination of potential risk is obtained by comparing the dose of chemical received to the Reference Dose. The Reference Dose reflects the dose an individual can receive on a daily basis over an entire lifetime without experiencing adverse health effects. The quantitative evaluation of potential non-carcinogenic health effects is expressed as the Hazard Index according to the expression described below:

$$Hazard\ Index\ (HI) = ADD / RfD \qquad \textit{(Equation 3)}$$

If the dose of chemical received exceeds the Reference Dose, the resulting quotient (a.k.a. Hazard Index or Hazard Quotient) will exceed unity (i.e., 1.0) and the potential for adverse non-carcinogenic health effects is assumed to exist. Conversely, a Hazard Index of less than 1.0 indicates that the potential for adverse, non-carcinogenic health effects is insignificant, even for sensitive sub-populations.

The various simulations presented herein were run using concentration parameters that are interpreted to represent a reasonable maximum exposure scenario. The reasonable maximum concentration is based on a statistical evaluation of the upper confidence interval of the arithmetic or geometric mean for a chemical of potential concern (COPC).

2.1 BASELINE CONDITIONS

Baseline conditions were used only for a human, such as a security guard or construction supervisor, not involved in soil disruption activities such as trenching and grading. Equations 1 through 3 were used to estimate the risk. The outdoor vapor concentration originating from impacted soil to which an individual could potentially be exposed under the baseline conditions was calculated as follows:

$$C_a = \frac{C_s}{VF} \qquad \textit{(Equation 4)}$$

For soil - outdoor air, VF was calculated using the following equation (Table E-9):

$$VF_o = (\frac{Q}{C})\frac{(3.14 * \alpha * T)^{\frac{1}{2}}}{(2 * D_e * P_a * K_{as})} 10^{-4} m^2 / cm^2$$

(Equation 5)

The incremental lifetime cancer risks and hazard indices were derived from the dose calculations described in Equations 1 through 3 for the baseline exposure scenario (Tables E-7 and E-8).

2.2 CONSTRUCTION WORKERS AND POST-DEVELOPMENT EMPLOYEES

2.2.1 Vapor Inhalation

The incremental lifetime cancer risk and hazard index were estimated for outdoor construction workers, future outdoor workers, and future indoor workers on the subject property. Vapor concentrations originating from both impacted soil and groundwater were evaluated.

2.2.1.1 Vapors Originating from Impacted Soil

The outdoor vapor concentrations originating from impacted soil to which construction workers potentially could be exposed and the indoor vapor concentrations to which future onsite employees could potentially be exposed were calculated as follows:

$$C_a = \frac{C_s}{VF}$$

(Equation 6)

where
C_a = concentration in air (mg/m^3)
C_s = concentration in soil (mg/kg)
VF = volatilization factor (m^3/kg)
m = meters

The outdoor vapor concentrations originating from impacted soil to which outdoor employees potentially will be exposed were calculated as follows:

$$C_a = \frac{C_s}{VF} * AF$$

(Equation 7)

where
AF = attenuation factor (unitless)

Note that an AF is included for future outdoor employees because the outdoor VF parameter for outdoor exposures does not include an AF parameter. Since the majority of the subject site will be paved following construction activities, the AF was included.

For soil - outdoor air, VF was calculated using the following equation (Table E-9):

$$VF_o = \left(\frac{Q}{C}\right)\frac{(3.14 * \alpha * T)^{\frac{1}{2}}}{(2 * D_e * P_a * K_{as})} 10^{-4} m^2 / cm^2 \qquad \textit{(Equation 8)}$$

For soil - indoor air, VF was calculated using the following equation (Table E-10):

$$VF_i = \frac{VR}{(A * AF)} \frac{(3.14 * \alpha * T)^{\frac{1}{2}}}{(2 * D_e * P_a * K_{as} 10^{-3} kg / g)} \qquad \textit{(Equation 9)}$$

where,

$$\square = \frac{D_{ei} * P_a}{P_a + [(PD)(1 - P_a) / K_{as}]}$$

$$D_e = D_i (P_a^{3.33} / P_t^2)$$

$$P_a = P_t - wPD$$

$$BD = (1 - P_t)PD$$

$$K_{as} = (H / K_d)$$

$$K_d = K_{oc} f_{oc}$$

VR = ventilation rate (m^3/s)
A = area of contamination (cm^2)
AF = attenuation factor (dimensionless)
VF = Volatilization factor (m^3/kg)
Q/C = Inverse of the mean concentration at the center of an 8 acre source. (43.585 g/m^2 - s per kg/m^3, EPA, 1996)
T = exposure interval (s)
D_e = effective diffusivity (cm^2/s)
P_a = air filled soil porosity (fraction)
D_i = diffusivity in air (cm^2/s)
Pt = total soil porosity (fraction)
w = soil moisture content (fraction)

BD = bulk density (g/cm^3)
PD = soil particle density (g/cm^3)
K_{as} = soil-air partition coefficient (g-soil/cm^3-air)
H = Henry's Law constant (dimensionless)
K_d = soil-water partition coefficient (cm^3/g)
K_{oc} = soil organic carbon/water partition coefficient (cm^3/g)
f_{oc} = fraction organic carbon content (dimensionless)

The incremental lifetime cancer risks and hazard indices were derived from the dose calculations described in Equations 1 through 3 for outdoor construction workers (Tables E-13 and E-14), future outdoor employees (Tables E-17 and E-18), and future indoor employees (Tables E-21 and E-22).

2.2.1.2 Vapors Originating from Impacted Groundwater

The outdoor vapor concentrations originating from impacted groundwater to which construction workers potentially could potentially be exposed and the indoor vapor concentrations which future indoor employees could potentially be exposed were calculated as follows:

$$C_a = \frac{C_w}{VF}$$

(Equation 10)

where
C_w = concentration in groundwater (mg/l)
l = liters

The outdoor vapor concentrations originating from impacted groundwater to which future outdoor employees could potentially be exposed were calculated as follows:

$$C_a = \frac{C_w}{VF} * AF$$

(Equation 11)

Note that a slab attenuation factor (AF) is included for future outdoor employees because the outdoor volatilization factor (VF) parameter for outdoor exposures does not include an AF parameter. Because the vast majority of the subject property will be paved after development, the AF was included.

For the vapor flux from groundwater to outdoor air, VF was calculated using the following equation (Table E-11):

$$VF_o = (\frac{Q}{C})\frac{L}{(H*1000\frac{l}{m^3}*D_e)}$$

(Equation 12)

For the vapor flux from groundwater to indoor air, VF was calculated using the following equation (Table E-12)

$$VF_i = \frac{VR}{(A*AF)}\frac{L}{(H*1000\frac{l}{m^3}*D_e)}$$

(Equation 13)

where:
Q/C = inverse of the mean concentration at center of source (m/hr)
L = depth to contaminated groundwater

The incremental lifetime cancer risks and hazard indices were derived from the dose calculations described in Equations 1 through 3 for construction workers (Tables E-15 and E-16), future outdoor employees (Tables E-19 and E-20), and future indoor employees (Tables E-23 and E-24).

2.2.2 Particulate Emissions

The incremental lifetime cancer risk and hazard index were estimated for outdoor construction workers.

The particulate emission factor was calculated as follows (Table E-25):

$$PEF = \frac{(LS*WS*MH*3600\frac{s}{hr})}{A}*\frac{1000\frac{g}{kg}}{0.036*(1-G)*(\frac{U_m}{U_t})^3*F(x)}$$

(Equation 14)

where,
PEF = particulate emission factor (m^3/kg)
LS = width of contaminated area (m)
WS = wind speed in mixing zone (m/s)
MH = diffusion height (m)
A = area of contamination (m^2)
0.036 = respirable fraction (g/m^2-hr)
G = fraction of vegetative cover (unitless)
U_m = mean annual wind speed (m/s)
U_t = equivalent threshold value of wind speed at 10 m (m/s)

F(x) = function dependent on U_m/U_t (unitless)

The incremental lifetime cancer risk (Table E-26) and hazard index (Table E-27) for exposure to chemicals present in fugitive dust were calculated using Equations 1 through 3, respectively. The chemical dose was calculated using the following equation:

$$Dose = \frac{Cs * IR * ET * EF * ED * (1/PEF)}{BW * AT} \qquad \textit{(Equation 15)}$$

where,
Dose = Chemical intake (mg/kg-day)
Cs = concentration in soil (mg/kg)
IR = inhalation rate (m^3/hour)
ET = exposure time (hr/day)
EF = exposure frequency (days/yr)
ED = exposure duration (yr)
PEF = Particulate emission factor (m^3/kg)
BW = body weight (kg)
AT = averaging time (days)

2.2.3 Ingestion of Soil

The incremental lifetime cancer risk and hazard index were estimated for construction workers from the following overview of the dose calculation (Tables E-28 and E-29):

$$Dose = \frac{Cs * 10^{-6} kg/mg * EF * IR * ED}{AT * BW} \qquad \textit{(Equation 16)}$$

where,
Cs = Concentration of chemical in soil (mg/kg)
IR = Soil ingestion rate (mg/day)
EF = exposure frequency (days/yr)
ED = exposure duration (yr)
AT = averaging time (days)
BW = body weight (kg)

2.2.4 Dermal Contact with Soil

The incremental lifetime cancer risk and hazard index were estimated for construction workers from the following dose calculation (Tables E-30 and E-31).

$$Dose = \frac{Cs * SA * AF * AC * 10^{-6} kg / mg * EF * ED}{AT * BW} \qquad \textit{(Equation 17)}$$

where,
Cs = Concentration of chemical in soil (mg/kg)
SA = Surface area of exposed skin (cm^2)
AF = Soil/Skin adherence factor (mg soil/cm^2 skin-day)
AC = Absorption coefficient for chemical across dermis (unitless)
EF = exposure frequency (days/yr)
ED = exposure duration (yr)
AT = averaging time (days)
BW = Body weight (kg)
yr = year

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
GP-25	6/18/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-25	6/18/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-25	6/18/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0036	-5.63	<0.002	-6.91	0.0038	-5.57	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-25	6/18/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-25	6/18/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0052	-5.26	<0.002	-6.91	0.025	-3.69	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-26	6/18/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0043	-5.45	<0.002	-6.91	0.035	-3.35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.0021	-6.17	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-27	6/18/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0028	-5.88	<0.002	-6.91	0.028	-3.58	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-28	6/19/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-28	6/19/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-28	6/19/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-28	6/19/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-28	6/19/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.0036	-5.63	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-28	6/19/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-29	6/19/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-29	6/19/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-29	6/19/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-29	6/19/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-29	6/19/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-29	6/19/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-30	6/19/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-31	6/19/97	35	<0.25	-2.08	<0.25	-2.08	<0.5	-1.39	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
GP-32	6/19/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.0037	-5.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	19.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-32	6/19/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.005	-5.30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-34	6/20/97	35	<0.013	-5.04	<0.013	-5.04	<0.025	-4.38	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-35	6/20/97	15	<0.25	-2.08	<0.25	-2.08	<0.5	-1.39	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.25	-2.08	<0.1	-3.00
GP-35	6/20/97	20	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.002	-6.91	<0.002	-6.91	0.0061	-5.10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-35	6/20/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-35	6/20/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-35	6/20/97	35	<0.013	-5.04	<0.013	-5.04	<0.025	-4.38	<0.005	-5.99	<0.005	-5.99	0.0058	-5.15	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-36	6/20/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-36	6/20/97	10	<0.025	-4.38	<0.025	-4.38	<0.05	-3.69	0.01	-4.61	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-36	6/20/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-36	6/20/97	19.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-36	6/20/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-36	6/20/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-36	6/20/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-37	6/20/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-37	6/20/97	16.5	0.029	-3.54	<0.005	-5.99	<0.02	-4.61	0.0034	-5.68	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-37	6/20/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-37	6/20/97	25	<0.013	-5.04	<0.013	-5.04	<0.025	-4.38	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-37	6/20/97	30	<0.013	-5.04	<0.013	-5.04	<0.025	-4.38	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-38	6/23/97	17	<0.005	-5.99	<0.01	-5.30	0.035	-3.35	<0.002	-6.91	<0.002	-6.91	0.0032	-5.74	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-38	6/23/97	20	<0.005	-5.99	<0.005	-5.99	0.023	-3.77	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-38	6/23/97	25	<0.005	-5.99	<0.005	-5.99	0.024	-3.73	<0.002	-6.91	<0.002	-6.91	0.0055	-5.20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-38	6/23/97	30	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-39	6/23/97	5	<0.005	-5.99	<0.005	-5.99	0.025	-3.69	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-39	6/23/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-39	6/23/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-39	6/23/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
GP-39	6/23/97	25	<0.005	-5.99	<0.005	-5.99	0.026	-3.65	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-39	6/23/97	30	<0.005	-5.99	<0.005	-5.99	0.034	-3.38	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-39	6/23/97	35	<0.02	-4.61	<0.1	-3.00	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61
GP-40	6/23/97	15	<0.05	-3.69	<0.05	-3.69	<0.1	-3.00	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61
GP-40	6/23/97	20	<0.005	-5.99	<0.005	-5.99	0.032	-3.44	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-40	6/23/97	25	<0.025	-4.38	<0.025	-4.38	<0.05	-3.69	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-40	6/23/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-40	6/23/97	35	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-41	6/23/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-41	6/23/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-41	6/23/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-41	6/23/97	20	<0.005	-5.99	<0.005	-5.99	0.013	-4.34	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-41	6/23/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-41	6/23/97	30	<0.005	-5.99	<0.005	-5.99	0.032	-3.44	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-42	6/23/97	5	<0.005	-5.99	<0.005	-5.99	0.021	-3.86	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-42	6/23/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-42	6/23/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-42	6/23/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-42	6/23/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-42	6/23/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-43	6/24/97	5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-43	6/24/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-43	6/24/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-43	6/24/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-43	6/24/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-43	6/24/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-44	6/24/97	15	<0.025	-4.38	<0.025	-4.38	<0.02	-4.61	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-44	6/24/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-44	6/24/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.002	-6.21	<0.002	-6.91	0.0024	-6.03	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-44	6/24/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-45	6/24/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-45	6/24/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-45	6/24/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-45	6/24/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-46	6/24/97	10	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-46	6/24/97	15	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-46	6/24/97	20	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-46	6/24/97	25	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
GP-46	6/24/97	30	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	6.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	11	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	21	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	26	<0.05	-3.69	<0.05	-3.69	<0.2	-2.30	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61
HS-1	7/13/97	31	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.0037	-5.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	41.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	46	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
HS-1	7/13/97	51	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-1	7/13/97	61	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	6.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.0022	-6.12	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	11	<0.013	-5.04	<0.013	-5.04	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	0.015	-4.20	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	21	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	0.0038	-5.57	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	26	<0.025	-4.38	<0.025	-4.38	<0.1	-3.00	<0.01	-5.30	<0.01	-5.30	0.047	-3.06	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
HS-2	7/12/97	31	<0.05	-3.69	<0.05	-3.69	<0.2	-2.30	<0.02	-4.61	<0.02	-4.61	0.064	-2.75	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61
HS-2	7/12/97	36.5	<0.025	-4.38	<0.025	-4.38	<0.1	-3.00	<0.01	-5.30	<0.01	-5.30	0.014	-4.27	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
HS-2	7/12/97	41.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	46	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	51.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	56	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-2	7/12/97	61	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-3	7/12/97	16	<1	-0.69	<1	-0.69	<4	0.69	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61
HS-3	7/12/97	21	<0.025	-4.38	<0.025	-4.38	<0.1	-3.00	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
HS-3	7/12/97	26	<0.05	-3.69	<0.05	-3.69	<0.2	-2.30	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61
HS-3	7/12/97	31	<0.05	-3.69	<0.05	-3.69	<0.2	-2.30	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61
HS-3	7/12/97	36	<0.01	-5.30	<0.01	-5.30	<0.04	-3.91	<0.004	-6.21	<0.004	-6.21	0.0065	-5.04	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21
HS-3	7/12/97	41	<0.01	-5.30	<0.01	-5.30	<0.04	-3.91	<0.004	-6.21	<0.004	-6.21	0.0041	-5.50	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21
HS-3	7/12/97	46	<0.005	-5.99	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-3	7/12/97	51	<0.005	-5.99	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-3	7/12/97	56	<0.005	-5.99	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	0.0028	-5.88	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-3	7/12/97	61	<0.005	-5.99	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	0.0075	-4.89	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	11	0.0091	-4.70	<0.005	-5.99	<0.02	-4.61	0.0053	-5.24	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0033	-5.71	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	21	0.0086	-4.76	<0.005	-5.99	<0.02	-4.61	0.0061	-5.10	<0.002	-6.91	0.0022	-6.12	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	26	0.016	-4.14	<0.005	-5.99	<0.02	-4.61	0.013	-4.34	<0.002	-6.91	0.0075	-4.89	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	31	0.0094	-4.67	<0.005	-5.99	<0.02	-4.61	0.008	-4.83	<0.002	-6.91	0.0069	-4.98	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	36	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0023	-6.07	<0.002	-6.91	0.0029	-5.84	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	41	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	0.0059	-5.13	<0.002	-6.91	0.013	-4.34	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91
HS-4	7/12/97	46	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91
HS-4	7/12/97	51	<0.01	-5.30	<0.01	-5.30	<0.04	-3.91	<0.004	-6.21	<0.004	-6.21	0.0066	-5.02	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21
HS-4	7/12/97	56	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-4	7/12/97	61	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-5	7/13/97	11	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-5	7/13/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-5	7/13/97	21	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-6	7/13/97	11	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-6	7/13/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-7	7/13/97	6	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-7	7/13/97	11	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-7	7/13/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-7	7/13/97	21.5	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-8	7/13/97	6	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-8	7/13/97	11	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
HS-8	7/13/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-9	7/13/97	11	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
HS-9	7/13/97	16	<0.005	-5.99	<0.005	-5.99	<0.02	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91
SB48	8/28/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB50	8/29/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB51	8/29/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB52	8/29/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB67	8/31/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB68	8/31/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB70	8/31/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB71	8/31/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
05SB76	9/1/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
06SB77	9/1/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
07SB78	9/1/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
08SB79	9/1/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB81	9/1/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB82	9/4/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB83	9/4/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB84	9/4/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB85	9/4/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB86	9/6/00		<0.01	-5.30	0.008	-4.83	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB87	9/6/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB88-B	9/6/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	0.038	-3.27	<0.005	-5.99	0.17	-1.77	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB89-WW	9/6/00		<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	0.019	-3.96	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-2	12/21/95	5																		
MH-2	12/21/95	10																		
MH-4	12/21/95	5																		
MH-4	12/21/95	10																		
MH-4	12/21/95	20																		
MH-4	12/21/95	30																		
MH-4	12/21/95	40																		
MH-5	12/21/95	5																		
MH-5	12/21/95	10																		
MH-6	12/21/95	5																		
MH-6	12/21/95	10																		
Cell 71	12/19/95	1																		
Cell 59	12/19/95	1																		
Cell 76	12/19/95	1																		
Cell 80	12/19/95	1																		
Cell 57	12/19/95	1																		
Cell 64	12/19/95	1																		
Cell 55	12/19/95	1																		
Cell 27	12/19/95	1																		
Cell 46	12/19/95	1																		
Cell 25	12/19/95	1																		
Cell 2	12/19/95	1																		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
Cell 30	12/19/95	1																		
Cell 43	12/19/95	1																		
Cell 21	12/19/95	1																		
Cell 6	12/19/95	1																		
Cell 12	12/19/95	1																		
Cell 15	12/19/95	1																		
Cell 17	12/19/95	1																		
Cell 40	12/19/95	1																		
Cell 4	12/19/95	1																		
MH-4-4	12/22/95	20	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-4-5	12/22/95	30	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-4-6	12/22/95	40	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-2-1	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-2-2	12/21/95	10	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-7-1	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-7-2	12/21/95	10	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-8-1	12/21/95	1	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-8-2	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-9-1	12/21/95	1	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-9-2	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-10-1	12/21/95	1	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-10-2	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-10-3	12/21/95	10	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-11-1	12/21/95	1	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-11-2	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-11-3	12/21/95	10	<0.01	-5.30	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-19	12/21/95	5	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	10	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	15	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	20	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-19	12/21/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/22/95	5	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/22/95	10	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/22/95	15	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/22/95	20	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/22/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/27/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/27/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.024	-3.73	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-20	12/27/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	5	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	10	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	15	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	20	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
GP-21	12/27/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.04	-3.22	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-21	12/27/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	5	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	10	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	15	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	20	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.019	-3.96	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.041	-3.19	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-22	12/27/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.024	-3.73	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-23	12/27/95	15	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-23	12/27/95	20	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-23	12/28/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-23	12/28/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.01	-4.61	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-23	12/28/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-23	12/28/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	5	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	10	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	15	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	0.16	-1.83	<0.01	-5.30	0.18	-1.71	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	20	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
GP-24	12/28/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	25	<0.2	-2.30	<0.1	-3.00	<2.5	0.22	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00
MB-1	12/29/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.022	-3.82	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	45	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	50	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	55	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-1	12/29/95	59	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	25	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	30	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.076	-2.58	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	35	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	0.034	-3.38	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	40	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	45	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	50	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	55	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
MB-2	12/29/95	59	<0.02	-4.61	<0.01	-5.30	<0.25	-2.08	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
T9B-1		5					0.007	-4.96												
SB-1		26																		
SB-3		16											15	2.71						
SB-3		26																		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
SB-22		11																		
SB-22		26																		
SB-27		15					2													
SB-27		30					0.03													
GP-1		20																		
GP-1		25																		
GP-1		30																		
GP-2		5																		
GP-2		10											0.076	-2.58						
GP-2		15											0.41	-0.89						
GP-2		20																		
GP-2		25																		
GP-2		30											0.023	-3.77						
GP-3		20																		
GP-3		25																		
GP-3		30																		
GP-4		15																		
GP-4		20																		
GP-4		25											0.018	-4.02						
GP-4		30																		
GP-5		15																		
GP-5		20																		
GP-5		25											0.098	-2.32						
GP-5		30																		
GP-6		5											0.055	-2.90						
GP-6		10																		
GP-6		15							13	2.56			2.7	0.99						
GP-6		20																		
GP-6		25											0.03	-3.51						
GP-6		30																		
GP-7		5											0.059	-2.83						
GP-7		10											0.018	-4.02						
GP-7		15																		
GP-7		20																		
GP-7		25																		
GP-7		30							0.014	-4.27			0.23	-1.47						
GP-8		20																		
GP-8		25											0.024	-3.73						
GP-8		30																		
GP-9		5							0.048	-3.04			5.3	1.67						
GP-9		15																		
GP-9		25																		
GP-9		30							0.039	-3.24			0.014	-4.27						
GP-10		5																		
GP-10		15											0.042	-3.17						
GP-10		25																		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
GP-10		30							0.31	-1.17			0.032	-3.44						
GP-11		5																		
GP-11		15																		
GP-11		25											0.019	-3.96						
GP-11		30							0.014	-4.27										
GP-12		20																		
GP-12		30											0.027	-3.61						
GP-12		38																		
GP-13		5																		
GP-13		15																		
GP-13		25											0.021	-3.86						
GP-13		30							0.21	-1.56			0.026	-3.65						
GP-14		5																		
GP-14		15																		
GP-14		25																		
GP-14		30																		
GP-15		20																		
GP-15		30																		
GP-15		48																		
GP-16		10																		
GP-16		20																		
GP-16		30							0.049	-3.02			0.004	-5.52						
GP-17		15																		
GP-17		25																		
GP-17		30																		
GP-18		5																		
GP-18		15																		
GP-18		25											0.027	-3.61						
GP-18		30																		
JF-M1-S37-EW-8	11/2/00	8	<0.001	-7.60	<0.01	-5.30	0.00082	-7.11	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S38-B-14	11/2/00	14	<0.001	-7.60	<0.01	-5.30	0.0025	-5.99	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S39-SW-8	11/2/00	8	<0.001	-7.60	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S40-WW-8	11/2/00	8	<0.001	-7.60	<0.01	-5.30	0.0013	-6.65	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M2-S16-B-10	10/25/00	10	<0.001	-7.60	<0.01	-5.30	0.00098	-6.93	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S33-EW-10	10/30/00	10	<0.001	-7.60	<0.01	-5.30	0.0011	-6.81	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S34-WW-14	10/31/00	14	<0.001	-7.60	<0.01	-5.30	0.00099	-6.92	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S35-NW-13	10/31/00	13	<0.001	-7.60	<0.01	-5.30	0.001	-6.91	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S36-SW-13	10/31/00	13	<0.001	-7.60	<0.01	-5.30	0.00087	-7.05	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S22-EW-8	10/25/00	8	<0.001	-7.60	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S23-SW-8	10/25/00	8	<0.001	-7.60	<0.01	-5.30	0.0013	-6.65	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S24-B-13	10/25/00	13	<0.001	-7.60	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S25-WW-8	10/25/00	8	<0.001	-7.60	<0.01	-5.30	0.0011	-6.81	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S26-NW-8	10/25/00	8	<0.001	-7.60	<0.01	-5.30	0.00099	-6.92	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S27-B-13	10/26/00	13	<0.001	-7.60	<0.01	-5.30	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S28-WW-10	10/26/00	13	<0.1	-3.00	<1	-0.69	<1	-0.69	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00
JF-M8-S30-SW-10	10/30/00	10	<0.001	-7.60	<0.01	-5.30	0.0028	-5.88	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
JF-M8-S31-EW-10	10/30/00	10	<0.001	-7.60	<0.01	-5.30	0.0018	-6.32	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S32-NW-10	10/30/00	10	<0.001	-7.60	<0.01	-5.30	0.0014	-6.57	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S17-WW-5	10/25/00	6	<0.001	-7.60	<0.01	-5.30	0.001	-6.91	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S18-NW-5	10/25/00	5	<0.001	-7.60	<0.01	-5.30	0.001	-6.91	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S20-SW-5	10/25/00	5	<0.001	-7.60	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S21-EW-5	10/25/00	5	<0.001	-7.60	<0.01	-5.30	0.00057	-7.47	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S10B-B-8	11/2/00	8	<0.001	-7.60	<0.01	-5.30	0.0011	-6.81	<0.001	-7.60	<0.001	-7.60	0.00089	-7.02	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S12B-NW-6	11/2/00	6	<0.001	-7.60	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S13-B-6	10/24/00	6	<0.001	-7.60	<0.01	-5.30	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S15-NW-5	10/24/00	5	<0.001	-7.60	<0.01	-5.30	0.0011	-6.81	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S2-NW-5	10/24/00	5	<0.001	-7.60	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S3-B -6	10/24/00	6	<0.001	-7.60	<0.01	-5.30	0.0013	-6.65	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S4B-B-13	10/26/00	13	<0.001	-7.60	<0.01	-5.30	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	0.0024	-6.03	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S6-NW-5	10/24/00	5	0.00078	-7.16	<0.01	-5.30	0.0014	-6.57	<0.001	-7.60	<0.001	-7.60	0.0053	-5.24	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S7B-B-12	11/1/00	12	<0.001	-7.60	<0.01	-5.30	0.0011	-6.81	<0.001	-7.60	0.0015	-6.50	0.0065	-5.04	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S9B-NW-6	11/1/00	6	<0.001	-7.60	<0.01	-5.30	0.0013	-6.65	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
EX1-11-6	6/11/98	6	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-7-11.5	6/10/98	11.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-5-5.5	6/10/98	5.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-3-5.5	6/9/98	5.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-2-5.5	6/9/98	5.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-1-5.5	6/9/98	5.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-7-6	6/9/98	6	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-8-6	6/9/98	6	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-9-6.5	6/9/98	6.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6	6/11/98	6	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	0.037	-3.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6.5	6/11/98	6.5	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	0.01	-4.61	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-10-15	6/9/98	15	0.046	-3.08	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-11-15	6/9/98	15	0.039	-3.24	<0.05	-3.69	<0.05	-3.69	0.012	-4.42	<0.005	-5.99	<0.005	-5.99	0.009	-4.71	0.009	-4.71	0.107	-2.23
EX2-26-15	6/22/98	15	<0.005	-5.99	<0.05	-3.69	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	28.1	3.34	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-4-7	6/9/98	7	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.0052	-5.26	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-5-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX3-1-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX3-2-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX3-3-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX3-4-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-6-9.5	6/9/98	9.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-12-15	6/9/98	15	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-13-12.5	6/9/98	12.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-13-12.5	6/9/98	12.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-8-11.5	6/9/98	11.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-9-11.5	6/9/98	11.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-10-11.5	6/9/98	11.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-18-11.5	6/9/98	11.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.0066	-5.02	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-22-11	6/9/98	11.0	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.011	-4.51	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-24-6.5	6/9/98	6.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Vinyl chloride (mg/kg)		Trichlorofluoromethane (mg/kg)		Methylene chloride (mg/kg)		trans-1,2-Dichloroethene (mg/kg)		Chloroform (mg/kg)		Trichloroethene (mg/kg)		1,2-Dichloropropane (mg/kg)		Bromodichloromethane (mg/kg)		1,1,2-Trichloroethane (mg/kg)	
EX2-25-6.5	6/9/98	6.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.028	-3.58	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-26-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.035	-3.35	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
Count including ND values (n):			351	351	351	351	354	354	359	359	351	351	374	374	351	351	351	351	351	351
Degrees of Freedom (n-1):			350	350	350	350	353	353	358	358	350	350	373	373	350	350	350	350	350	350
Arithmetic Mean of LT data:			NA	-5.64	NA	-5.49	NA	-4.37	NA	-6.16	NA	-6.35	NA	-5.86	NA	-6.36	NA	-6.35	NA	-6.35
Arithmetic Mean:			0.007	NA	0.009	NA	0.048	NA	0.042	NA	0.003	NA	0.146	NA	0.003	NA	0.004	NA	0.004	NA
[1]Variance of LT data(s^2):			NA	0.96	NA	0.58	NA	2.14	NA	1.37	NA	0.76	NA	2.37	NA	0.78	NA	0.80	NA	0.82
[1]Variance (s^2):			0.0008	NA	0.0015	NA	0.0288	NA	0.4709	NA	0.0001	NA	2.7946	NA	0.0001	NA	0.0002	NA	0.0002	NA
[1]Standard deviation of LT data (s):			NA	0.98	NA	0.76	NA	1.46	NA	1.17	NA	0.87	NA	1.54	NA	0.88	NA	0.89	NA	0.90
[1]Standard deviation (s):			0.0289	NA	0.0388	NA	0.1696	NA	0.6862	NA	0.0118	NA	1.6717	NA	0.0118	NA	0.0133	NA	0.0131	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[2]H Statistic for LT data:			NA	1.7	NA	1.649	NA	1.856	NA	1.739	NA	1.670	NA	1.863	NA	1.672	NA	1.675	NA	1.678
Student's t value ($t_{0.1}$):			1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA
95% upper confidence level (UCL):			0.010	0.0063	0.012	0.0059	0.063	0.0423	0.102	0.0047	0.004	0.0028	0.288	0.0108	0.004	0.0028	0.0047	0.0028	0.005	0.0028
[2]Minimum value:			0.0005	NA	0.0025	NA	0.00057	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.0005	NA
Maximum value:			0.046	NA	0.008	NA	2	NA	13	NA	0.0015	NA	28.1	NA	0.009	NA	0.009	NA	0.107	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
GP-25	6/18/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-25	6/18/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-25	6/18/97	25	0.0057	-5.17	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-25	6/18/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-25	6/18/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	25	0.017	-4.07	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-26	6/18/97	35	0.054	-2.92	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-27	6/18/97	35	0.043	-3.15	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-28	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-28	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-28	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-28	6/19/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-28	6/19/97	25	0.0029	-5.84	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-28	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-29	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-29	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-29	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-29	6/19/97	20	0.0022	-6.12	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-29	6/19/97	25	0.0047	-5.36	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-29	6/19/97	30	0.0036	-5.63	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	10	0.0024	-6.03	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	15	0.012	-4.42	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	20	0.0038	-5.57	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	25	0.043	-3.15	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	30	0.0036	-5.63	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-30	6/19/97	35	0.057	-2.86	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	5	0.0035	-5.65	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	15	0.027	-3.61	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	20	0.0035	-5.65	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	25	0.019	-3.96	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	30	0.024	-3.73	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-31	6/19/97	35	1.4	0.34	<0.1	-3.00	<0.1	-3.00			<0.1	-3.00			<0.25	-2.08	<0.25	-2.08	<0.25	-2.08

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
GP-32	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	10	0.0049	-5.32	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	15	0.018	-4.02	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	20	0.0046	-5.38	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	25	0.059	-2.83	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	30	0.0033	-5.71	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	35	0.18	-1.71	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	5	0.0025	-5.99	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	10	0.0026	-5.95	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	15	0.023	-3.77	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	19.5	0.0029	-5.84	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	25	0.02	-3.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	30	0.022	-3.82	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-32	6/19/97	35	0.17	-1.77	<0.002	-6.91	<0.002	-6.91			0.0022	-6.12			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-34	6/20/97	35	0.01	-4.61	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.013	-5.04	<0.013	-5.04	<0.013	-5.04
GP-35	6/20/97	15	0.99	-0.01	<0.1	-3.00	<0.1	-3.00			<0.1	-3.00			<0.25	-2.08	<0.25	-2.08	<0.25	-2.08
GP-35	6/20/97	20	0.021	-3.86	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-35	6/20/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-35	6/20/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-35	6/20/97	35	0.0067	-5.01	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.013	-5.04	<0.013	-5.04	<0.013	-5.04
GP-36	6/20/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-36	6/20/97	10	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30			<0.01	-5.30			<0.025	-4.38	0.24	-1.43	0.032	-3.44
GP-36	6/20/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-36	6/20/97	19.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-36	6/20/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-36	6/20/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-36	6/20/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-37	6/20/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-37	6/20/97	16.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			0.0067	-5.01			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-37	6/20/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-37	6/20/97	25	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.013	-5.04	<0.013	-5.04	<0.013	-5.04
GP-37	6/20/97	30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.013	-5.04	<0.013	-5.04	<0.013	-5.04
GP-38	6/23/97	17	0.0051	-5.28	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-38	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-38	6/23/97	25	0.017	-4.07	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-38	6/23/97	30	0.0022	-6.12	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-39	6/23/97	5	0.0035	-5.65	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-39	6/23/97	10	0.012	-4.42	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-39	6/23/97	15	0.047	-3.06	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-39	6/23/97	20	0.013	-4.34	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
GP-39	6/23/97	25	0.07	-2.66	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-39	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-39	6/23/97	35	0.8	-0.22	<0.02	-4.61	<0.02	-4.61			<0.02	-4.61			<0.05	-3.69	<0.05	-3.69	<0.05	-3.69
GP-40	6/23/97	15	0.16	-1.83	<0.02	-4.61	<0.02	-4.61			<0.02	-4.61			<0.05	-3.69	<0.05	-3.69	<0.05	-3.69
GP-40	6/23/97	20	0.01	-4.61	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-40	6/23/97	25	0.057	-2.86	<0.01	-5.30	<0.01	-5.30			<0.01	-5.30			<0.025	-4.38	<0.025	-4.38	<0.025	-4.38
GP-40	6/23/97	30	0.069	-2.67	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-40	6/23/97	35	0.048	-3.04	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-41	6/23/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-41	6/23/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-41	6/23/97	15	0.0069	-4.98	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-41	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-41	6/23/97	25	0.08	-2.53	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-41	6/23/97	30	0.0026	-5.95	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-42	6/23/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-42	6/23/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-42	6/23/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-42	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-42	6/23/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-42	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-43	6/24/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-43	6/24/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-43	6/24/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-43	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-43	6/24/97	25	0.0022	-6.12	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-43	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-44	6/24/97	15	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30			<0.01	-5.30			<0.025	-4.38	<0.025	-4.38	<0.025	-4.38
GP-44	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-44	6/24/97	25	0.0035	-5.65	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-44	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-45	6/24/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-45	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-45	6/24/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-45	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-46	6/24/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-46	6/24/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-46	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-46	6/24/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
GP-46	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	6.5	0.048	-3.04	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	11	0.089	-2.42	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	21	0.019	-3.96	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	26	0.58	-0.54	<0.02	-4.61	<0.02	-4.61			<0.02	-4.61			<0.05	-3.69	<0.05	-3.69	<0.05	-3.69
HS-1	7/13/97	31	0.17	-1.77	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	41.5	0.0038	-5.57	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	46	0.017	-4.07	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
HS-1	7/13/97	51	0.0032	-5.74	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-1	7/13/97	61	0.012	-4.42	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	6.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	11	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.013	-5.04	<0.013	-5.04	<0.013	-5.04
HS-2	7/12/97	16	0.0039	-5.55	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	21	0.0037	-5.60	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	26	0.055	-2.90	<0.01	-5.30	<0.01	-5.30			<0.01	-5.30			<0.025	-4.38	<0.025	-4.38	<0.025	-4.38
HS-2	7/12/97	31	0.075	-2.59	<0.02	-4.61	<0.02	-4.61			<0.02	-4.61			<0.05	-3.69	<0.05	-3.69	<0.05	-3.69
HS-2	7/12/97	36.5	0.025	-3.69	<0.01	-5.30	<0.01	-5.30			<0.01	-5.30			<0.025	-4.38	<0.025	-4.38	<0.025	-4.38
HS-2	7/12/97	41.5	0.0026	-5.95	<0.005	-5.99	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	46	0.0031	-5.78	<0.005	-5.99	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	51.5	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	56	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-2	7/12/97	61	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-3	7/12/97	16	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61			0.98	-0.02			<1	-0.69	2.8	1.03	<1	-0.69
HS-3	7/12/97	21	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30			<0.01	-5.30			<0.025	-4.38	<0.025	-4.38	<0.025	-4.38
HS-3	7/12/97	26	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61			<0.02	-4.61			<0.05	-3.69	<0.05	-3.69	<0.05	-3.69
HS-3	7/12/97	31	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61			<0.02	-4.61			<0.05	-3.69	<0.05	-3.69	<0.05	-3.69
HS-3	7/12/97	36	0.018	-4.02	<0.004	-6.21	<0.004	-6.21			0.0044	-5.43			<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
HS-3	7/12/97	41	0.0074	-4.91	<0.004	-6.21	<0.004	-6.21			<0.004	-6.21			<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
HS-3	7/12/97	46	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-3	7/12/97	51	0.007	-4.96	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-3	7/12/97	56	0.012	-4.42	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-3	7/12/97	61	0.025	-3.69	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	0.027	-3.61	<0.005	-5.99
HS-4	7/12/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	0.0075	-4.89	<0.005	-5.99
HS-4	7/12/97	21	0.0023	-6.07	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	26	0.0087	-4.74	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	31	0.011	-4.51	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	36	0.0085	-4.77	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	41	0.046	-3.08	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	46	0.0071	-4.95	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	51	0.022	-3.82	<0.004	-6.21	<0.004	-6.21			<0.004	-6.21			<0.01	-5.30	<0.01	-5.30	<0.01	-5.30
HS-4	7/12/97	56	0.004	-5.52	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-4	7/12/97	61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-5	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-5	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-5	7/13/97	21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-6	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-6	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-7	7/13/97	6	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-7	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-7	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-7	7/13/97	21.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-8	7/13/97	6	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-8	7/13/97	11	0.0035	-5.65	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
HS-8	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-9	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
HS-9	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91			<0.002	-6.91			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB48	8/28/00		0.019	-3.96	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB50	8/29/00		0.84	-0.17	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB51	8/29/00		0.065	-2.73	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB52	8/29/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB67	8/31/00		0.023	-3.77	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB68	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB70	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB71	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
05SB76	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
06SB77	9/1/00		7.2	1.97	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
07SB78	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
08SB79	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB81	9/1/00		0.09	-2.41	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB82	9/4/00		0.15	-1.90	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB83	9/4/00		0.33	-1.11	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB84	9/4/00		0.07	-2.66	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB85	9/4/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB86	9/6/00		9.5	2.25	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB87	9/6/00		0.043	-3.15	<0.005	-5.99	<0.005	-5.99			<0.005	-5.99			<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB88-B	9/6/00		0.049	-3.02	<0.005	-5.99	<0.005	-5.99			0.023	-3.77			0.024	-3.73	0.13	-2.04	0.013	-4.34
SB89-WW	9/6/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99			0.007	-4.96			<0.005	-5.99	0.007	-4.96	0.009	-4.71
MH-2	12/21/95	5																		
MH-2	12/21/95	10																		
MH-4	12/21/95	5									<0.01	-5.30								
MH-4	12/21/95	10									<0.01	-5.30								
MH-4	12/21/95	20																		
MH-4	12/21/95	30																		
MH-4	12/21/95	40																		
MH-5	12/21/95	5									<0.01	-5.30								
MH-5	12/21/95	10									<0.01	-5.30								
MH-6	12/21/95	5									<0.01	-5.30								
MH-6	12/21/95	10									<0.01	-5.30								
Cell 71	12/19/95	1									<0.01	-5.30								
Cell 59	12/19/95	1									<0.01	-5.30								
Cell 76	12/19/95	1									<0.01	-5.30								
Cell 80	12/19/95	1									<0.01	-5.30								
Cell 57	12/19/95	1									<0.01	-5.30								
Cell 64	12/19/95	1									<0.01	-5.30								
Cell 55	12/19/95	1									<0.01	-5.30								
Cell 27	12/19/95	1									<0.01	-5.30								
Cell 46	12/19/95	1									<0.01	-5.30								
Cell 25	12/19/95	1									<0.01	-5.30								
Cell 2	12/19/95	1									<0.01	-5.30								

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
Cell 30	12/19/95	1									<0.01	-5.30								
Cell 43	12/19/95	1									<0.01	-5.30								
Cell 21	12/19/95	1									<0.01	-5.30								
Cell 6	12/19/95	1									<0.01	-5.30								
Cell 12	12/19/95	1									<0.01	-5.30								
Cell 15	12/19/95	1									<0.01	-5.30								
Cell 17	12/19/95	1									<0.01	-5.30								
Cell 40	12/19/95	1									<0.01	-5.30								
Cell 4	12/19/95	1									<0.01	-5.30								
MH-4-4	12/22/95	20	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-4-5	12/22/95	30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-4-6	12/22/95	40	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-2-1	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-2-2	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-7-1	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-7-2	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-8-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-8-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-9-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-9-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-10-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-10-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-10-3	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-11-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-11-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
MH-11-3	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.025	-4.38	<0.005	-5.99	<0.025	-4.38						
GP-19	12/21/95	5	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	10	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	15	0.075	-2.59	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	20	0.012	-4.42	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	25	0.22	-1.51	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	30	0.078	-2.55	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	35	0.34	-1.08	<0.01	-5.30	<0.02	-4.61												
GP-19	12/21/95	40	0.11	-2.21	<0.01	-5.30	<0.02	-4.61												
GP-20	12/22/95	5	0.055	-2.90	<0.01	-5.30	<0.02	-4.61												
GP-20	12/22/95	10	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-20	12/22/95	15	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-20	12/22/95	20	0.01	-4.61	<0.01	-5.30	<0.02	-4.61												
GP-20	12/22/95	25	0.92	-0.08	<0.01	-5.30	<0.02	-4.61												
GP-20	12/27/95	30	0.48	-0.73	<0.01	-5.30	<0.02	-4.61												
GP-20	12/27/95	35	1	0.00	<0.01	-5.30	<0.02	-4.61												
GP-20	12/27/95	40	0.023	-3.77	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	5	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	10	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	15	0.02	-3.91	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	20	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
GP-21	12/27/95	25	0.17	-1.77	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	30	0.021	-3.86	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	35	0.56	-0.58	<0.01	-5.30	<0.02	-4.61												
GP-21	12/27/95	40	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	5	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	10	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	15	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	20	0.075	-2.59	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	25	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	30	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	35	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-22	12/27/95	40	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-23	12/27/95	15	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-23	12/27/95	20	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-23	12/28/95	25	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-23	12/28/95	30	0.021	-3.86	<0.01	-5.30	<0.02	-4.61												
GP-23	12/28/95	35	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-23	12/28/95	40	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	5	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	10	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	15	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	20	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	25	0.023	-3.77	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	30	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	35	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
GP-24	12/28/95	40	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	25	4.1	1.41	<0.1	-3.00	<0.2	-2.30												
MB-1	12/29/95	30	0.7	-0.36	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	35	2	0.69	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	40	0.17	-1.77	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	45	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	50	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	55	0.055	-2.90	<0.01	-5.30	<0.02	-4.61												
MB-1	12/29/95	59	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	25	0.085	-2.47	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	30	0.26	-1.35	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	35	0.13	-2.04	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	40	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	45	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	50	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	55	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
MB-2	12/29/95	59	<0.01	-5.30	<0.01	-5.30	<0.02	-4.61												
T9B-1		5																		
SB-1		26																		
SB-3		16	430	6.06																
SB-3		26																		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
SB-22		11																		
SB-22		26																		
SB-27		15																		
SB-27		30																		
GP-1		20	0.51	-0.67																
GP-1		25																		
GP-1		30																		
GP-2		5	0.83	-0.19																
GP-2		10	0.74	-0.30																
GP-2		15	4.1	1.41																
GP-2		20																		
GP-2		25																		
GP-2		30																		
GP-3		20																		
GP-3		25																		
GP-3		30																		
GP-4		15																		
GP-4		20																		
GP-4		25	0.026	-3.65																
GP-4		30																		
GP-5		15																		
GP-5		20																		
GP-5		25	0.092	-2.39																
GP-5		30																		
GP-6		5																		
GP-6		10	0.045	-3.10																
GP-6		15	55	4.01																
GP-6		20	0.022	-3.82																
GP-6		25	0.026	-3.65																
GP-6		30																		
GP-7		5	7	1.95																
GP-7		10	0.14	-1.97																
GP-7		15	0.049	-3.02																
GP-7		20																		
GP-7		25																		
GP-7		30	0.68	-0.39																
GP-8		20																		
GP-8		25	0.022	-3.82																
GP-8		30																		
GP-9		5	2.7	0.99																
GP-9		15																		
GP-9		25																		
GP-9		30	0.026	-3.65																
GP-10		5																		
GP-10		15	3.5	1.25																
GP-10		25																		

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Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
GP-10		30	0.18	-1.71																
GP-11		5	1.9	0.64																
GP-11		15	0.055	-2.90																
GP-11		25	0.8	-0.22																
GP-11		30	0.002	-6.21																
GP-12		20	0.016	-4.14																
GP-12		30	0.035	-3.35																
GP-12		38																		
GP-13		5	0.19	-1.66																
GP-13		15																		
GP-13		25	1.7	0.53																
GP-13		30	0.78	-0.25																
GP-14		5																		
GP-14		15																		
GP-14		25	0.036	-3.32																
GP-14		30	0.007	-4.96																
GP-15		20	0.25	-1.39																
GP-15		30	0.43	-0.84																
GP-15		48	0.31	-1.17																
GP-16		10	0.35	-1.05																
GP-16		20	0.021	-3.86																
GP-16		30	0.29	-1.24																
GP-17		15	0.21	-1.56																
GP-17		25	2.9	1.06																
GP-17		30	0.24	-1.43																
GP-18		5																		
GP-18		15	0.029	-3.54																
GP-18		25	1.3	0.26																
GP-18		30	0.032	-3.44																
JF-M1-S37-EW-8	11/2/00	8	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0049	-5.32	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S38-B-14	11/2/00	14	0.059	-2.83	<0.001	-7.60	<0.001	-7.60	0.048	-3.04	0.026	-3.65	0.014	-4.27	0.031	-3.47	0.06	-2.81	0.0052	-5.26
JF-M1-S39-SW-8	11/2/00	8	0.00099	-6.92	<0.001	-7.60	<0.001	-7.60	0.0064	-5.05	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S40-WW-8	11/2/00	8	0.00065	-7.34	<0.001	-7.60	<0.001	-7.60	0.0078	-4.85	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M2-S16-B-10	10/25/00	10	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0054	-5.22	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S33-EW-10	10/30/00	10	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0032	-5.74	<0.001	-7.60	<0.02	-4.61	0.0012	-6.73	0.0029	-5.84	<0.001	-7.60
JF-M3-S34-WW-14	10/31/00	14	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0058	-5.15	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	0.0011	-6.81	<0.001	-7.60
JF-M3-S35-NW-13	10/31/00	13	0.27	-1.31	<0.001	-7.60	<0.001	-7.60	0.012	-4.42	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S36-SW-13	10/31/00	13	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0036	-5.63	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S22-EW-8	10/25/00	8	0.0031	-5.78	<0.001	-7.60	<0.001	-7.60	0.012	-4.42	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S23-SW-8	10/25/00	8	0.046	-3.08	<0.001	-7.60	<0.001	-7.60	0.022	-3.82	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S24-B-13	10/25/00	13	0.0054	-5.22	<0.001	-7.60	<0.001	-7.60	0.0043	-5.45	<0.001	-7.60	<0.02	-4.61	0.002	-6.21	<0.001	-7.60	<0.001	-7.60
JF-M7-S25-WW-8	10/25/00	8	0.0049	-5.32	<0.001	-7.60	<0.001	-7.60	0.023	-3.77	<0.001	-7.60	0.0067	-5.01	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S26-NW-8	10/25/00	8	0.0041	-5.50	<0.001	-7.60	<0.001	-7.60	0.004	-5.52	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S27-B-13	10/26/00	13	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S28-WW-10	10/26/00	13	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<2	0.00	<0.1	-3.00	<2	0.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00
JF-M8-S30-SW-10	10/30/00	10	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.003	-5.81	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
JF-M8-S31-EW-10	10/30/00	10	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0037	-5.60	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S32-NW-10	10/30/00	10	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.02	-3.91	<0.001	-7.60	<0.02	-4.61	0.0046	-5.38	0.069	-2.67	0.0055	-5.20
JF-M9-S17-WW-5	10/25/00	6	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.012	-4.42	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S18-NW-5	10/25/00	5	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.01	-4.61	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S20-SW-5	10/25/00	5	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.015	-4.20	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S21-EW-5	10/25/00	5	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0074	-4.91	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S10B-B-8	11/2/00	8	2.5	0.92	<0.001	-7.60	<0.001	-7.60	0.0064	-5.05	0.0013	-6.65	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S12B-NW-6	11/2/00	6	1.7	0.53	<0.001	-7.60	<0.001	-7.60	0.0058	-5.15	0.00061	-7.40	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S13-B-6	10/24/00	6	1.4	0.34	<0.001	-7.60	<0.001	-7.60	0.14	-1.97	<0.001	-7.60	0.031	-3.47	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S15-NW-5	10/24/00	5	0.15	-1.90	<0.001	-7.60	<0.001	-7.60	0.066	-2.72	<0.001	-7.60	0.013	-4.34	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S2-NW-5	10/24/00	5	0.0055	-5.20	<0.001	-7.60	<0.001	-7.60	0.01	-4.61	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S3-B -6	10/24/00	6	0.0099	-4.62	<0.001	-7.60	<0.001	-7.60	0.012	-4.42	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S4B-B-13	10/26/00	13	1.1	0.10	<0.001	-7.60	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S6-NW-5	10/24/00	5	0.4	-0.92	<0.001	-7.60	<0.001	-7.60	0.024	-3.73	0.0054	-5.22	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S7B-B-12	11/1/00	12	9.8	2.28	0.0012	-6.73	<0.001	-7.60	0.005	-5.30	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S9B-NW-6	11/1/00	6	0.14	-1.97	<0.001	-7.60	<0.001	-7.60	0.0034	-5.68	<0.001	-7.60	<0.02	-4.61	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
EX1-11-6	6/11/98	6	0.036	-3.32	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-7-11.5	6/10/98	11.5	0.0094	-4.67	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-5-5.5	6/10/98	5.5	0.12	-2.12	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-3-5.5	6/9/98	5.5	0.061	-2.80	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-2-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-1-5.5	6/9/98	5.5	0.016	-4.14	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-7-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-8-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-9-6.5	6/9/98	6.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6	6/11/98	6	0.1	-2.30	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6.5	6/11/98	6.5	0.0062	-5.08	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-10-15	6/9/98	15	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-11-15	6/9/98	15	<0.005	-5.99	<0.005	-5.99	0.016	-4.14	0.382	-0.96	0.023	-3.77	0.086	-2.45	0.009	-4.71	0.008	-4.83	<0.005	-5.99
EX2-26-15	6/22/98	15	308	5.73	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	0.3	-1.20	<0.05	-3.69	<0.005	-5.99	2.3	0.83	<0.005	-5.99
EX2-4-7	6/9/98	7	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX2-5-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX3-1-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX3-2-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX3-3-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX3-4-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX2-6-9.5	6/9/98	9.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX2-12-15	6/9/98	15	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX2-13-12.5	6/9/98	12.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX2-13-12.5	6/9/98	12.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99												
EX1-8-11.5	6/9/98	11.5	0.15	-1.90	<0.005	-5.99	<0.005	-5.99												
EX1-9-11.5	6/9/98	11.5	0.054	-2.92	<0.005	-5.99	<0.005	-5.99												
EX1-10-11.5	6/9/98	11.5	0.17	-1.77	<0.005	-5.99	<0.005	-5.99												
EX2-18-11.5	6/9/98	11.5	0.29	-1.24	<0.005	-5.99	<0.005	-5.99												
EX2-22-11	6/9/98	11.0	0.044	-3.12	<0.005	-5.99	<0.005	-5.99												
EX2-24-6.5	6/9/98	6.5	0.0096	-4.65	<0.005	-5.99	<0.005	-5.99												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Tetrachloroethene (mg/kg)		Chlorobenzene (mg/kg)		1,1,2,2-Tetrachloroethane (mg/kg)		Acetone (mg/kg)		Benzene (mg/kg)		2-Butanone (mg/kg)		n-Butylbenzene (mg/kg)		sec-Butylbenzene (mg/kg)		tert-Butylbenzene (mg/kg)	
EX2-25-6.5	6/9/98	6.5	0.14	-1.97	<0.005	-5.99	<0.005	-5.99												
EX2-26-6	6/9/98	6	0.68	-0.39	<0.005	-5.99	<0.005	-5.99												
Count including ND values (n):			394	394	351	351	351	351	64	64	297	297	64	64	254	254	254	254	254	254
Degrees of Freedom (n-1):			393	393	350	350	350	350	63	63	296	296	63	63	253	253	253	253	253	253
Arithmetic Mean of LT data:			NA	-4.57	NA	-6.35	NA	-6.24	NA	-4.25	NA	-6.45	NA	-4.23	NA	-5.96	NA	-5.88	NA	-5.98
Arithmetic Mean:			2.238	NA	0.003	NA	0.004	NA	0.038	NA	0.007	NA	0.031	NA	0.006	NA	0.026	NA	0.006	NA
[1]Variance of LT data(s^2):			NA	6.07	NA	0.76	NA	1.12	NA	1.00	NA	0.94	NA	0.47	NA	0.82	NA	1.27	NA	0.82
[1]Variance (s^2):			715.51	NA	0.0001	NA	0.0002	NA	0.0171	NA	0.0035	NA	0.0150	NA	0.0011	NA	0.0517	NA	0.0011	NA
[1] Standard deviation of LT data (s):			NA	2.46	NA	0.87	NA	1.06	NA	1.00	NA	0.97	NA	0.69	NA	0.90	NA	1.13	NA	0.91
[1]Standard deviation (s):			26.75	NA	0.0118	NA	0.0129	NA	0.1307	NA	0.0595	NA	0.1226	NA	0.0333	NA	0.2273	NA	0.0333	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[2]H Statistic for LT data:			NA	2.098	NA	1.670	NA	1.723	NA	2.457	NA	1.783	NA	2.147	NA	1.896	NA	2.005	NA	1.853
Student's t value ($t_{0.1}$):			1.65	NA	1.65	NA	1.65	NA	1.67	NA	1.65	NA	1.67	NA	1.65	NA	1.65	NA	1.65	NA
95% upper confidence level (UCL):			4.460	0.2780	0.004	0.0028	0.006	0.0038	0.065	0.0320	0.01263	0.0028	0.056	0.0222	0.010	0.0043	0.050	0.0061	0.010	0.0042
[2]Minimum value:			0.0005	NA	0.0005	NA	0.0005	NA	0.003	NA	0.0005	NA	0.0067	NA	0.0005	NA	0.0005	NA	0.0005	NA
Maximum value:			430	NA	0.0012	NA	0.016	NA	0.382	NA	0.98	NA	0.086	NA	0.031	NA	2.8	NA	0.032	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
GP-25	6/18/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-25	6/18/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-25	6/18/97	25			0.021	-3.86	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-25	6/18/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-25	6/18/97	35			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	10			0.012	-4.42	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	15			0.0031	-5.78	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	20			0.004	-5.52	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	25			0.19	-1.66	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	30			0.012	-4.42	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-26	6/18/97	35			0.13	-2.04	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	10			0.0023	-6.07	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	15			0.0079	-4.84	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	20			0.013	-4.34	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	25			0.024	-3.73	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	30			0.038	-3.27	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-27	6/18/97	35			0.098	-2.32	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-28	6/19/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-28	6/19/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-28	6/19/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-28	6/19/97	20			0.0065	-5.04	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-28	6/19/97	25			0.091	-2.40	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-28	6/19/97	30			0.018	-4.02	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-29	6/19/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-29	6/19/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-29	6/19/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-29	6/19/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-29	6/19/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-29	6/19/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	25			0.0059	-5.13	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-30	6/19/97	35			0.032	-3.44	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-31	6/19/97	35			<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.25	-2.08	<0.1	-3.00	<0.1	-3.00	<0.25	-2.08

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
GP-32	6/19/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	35			0.0055	-5.20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	19.5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-32	6/19/97	35			0.0046	-5.38	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	20			0.027	-3.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	30			0.068	-2.69	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-34	6/20/97	35			0	-2.21	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04
GP-35	6/20/97	15			<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.25	-2.08	<0.1	-3.00	<0.1	-3.00	<0.25	-2.08
GP-35	6/20/97	20			0	-1.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-35	6/20/97	25			0.0097	-4.64	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-35	6/20/97	30			0.051	-2.98	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-35	6/20/97	35			0	-1.66	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04
GP-36	6/20/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-36	6/20/97	10			<0.01	-5.30	<0.01	-5.30	0.012	-4.42	<0.01	-5.30	<0.025	-4.38	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38
GP-36	6/20/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-36	6/20/97	19.5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-36	6/20/97	25			0.021	-3.86	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-36	6/20/97	30			0.0043	-5.45	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-36	6/20/97	35			0.0028	-5.88	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-37	6/20/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-37	6/20/97	16.5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-37	6/20/97	20			0.043	-3.15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-37	6/20/97	25			0.23	-1.47	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04
GP-37	6/20/97	30			0.19	-1.66	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04
GP-38	6/23/97	17			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-38	6/23/97	20			0.0	-5.30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-38	6/23/97	25			0.032	-3.44	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-38	6/23/97	30			0.019	-3.96	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-39	6/23/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-39	6/23/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-39	6/23/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-39	6/23/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
GP-39	6/23/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-39	6/23/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-39	6/23/97	35			<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.1	-3.00	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61
GP-40	6/23/97	15			<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69
GP-40	6/23/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.05	-3.69	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-40	6/23/97	25			<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38
GP-40	6/23/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-40	6/23/97	35			0.0021	-6.17	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-41	6/23/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-41	6/23/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-41	6/23/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-41	6/23/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-41	6/23/97	25			0.0026	-5.95	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-41	6/23/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-42	6/23/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-42	6/23/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-42	6/23/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-42	6/23/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-42	6/23/97	25			0.002	-6.21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-42	6/23/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-43	6/24/97	5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-43	6/24/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-43	6/24/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-43	6/24/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-43	6/24/97	25			0.0042	-5.47	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-43	6/24/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-44	6/24/97	15			<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	0.19	-1.66	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38
GP-44	6/24/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-44	6/24/97	25			0.0063	-5.07	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-44	6/24/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-45	6/24/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-45	6/24/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-45	6/24/97	25			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-45	6/24/97	30			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-46	6/24/97	10			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-46	6/24/97	15			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-46	6/24/97	20			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-46	6/24/97	25			0.0047	-5.36	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
GP-46	6/24/97	30			0.0021	-6.17	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	6.5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	11			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	21			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	26			<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69
HS-1	7/13/97	31			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	41.5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	46			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
HS-1	7/13/97	51			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-1	7/13/97	61			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	6.5			0.012	-4.42	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	11			0.15	-1.90	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04	<0.005	-5.99	<0.005	-5.99	<0.013	-5.04
HS-2	7/12/97	16			0.0093	-4.68	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	21			0.056	-2.88	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	26			0.58	-0.54	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38
HS-2	7/12/97	31			0.91	-0.09	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69
HS-2	7/12/97	36.5			0.16	-1.83	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38
HS-2	7/12/97	41.5			0.011	-4.51	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	46			0.0088	-4.73	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	51.5			0.0038	-5.57	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	56			0.0052	-5.26	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-2	7/12/97	61			0.0028	-5.88	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-3	7/12/97	16			17	2.83	<0.4	-1.61	1.5	0.41	<0.4	-1.61	7.9	2.07	2.4	0.88	<0.4	-1.61	<1	-0.69
HS-3	7/12/97	21			0.093	-2.38	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38	<0.01	-5.30	<0.01	-5.30	<0.025	-4.38
HS-3	7/12/97	26			1	0.00	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69
HS-3	7/12/97	31			2	0.69	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69	<0.02	-4.61	<0.02	-4.61	<0.05	-3.69
HS-3	7/12/97	36			0.42	-0.87	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.01	-5.30	<0.004	-6.21	<0.004	-6.21	<0.01	-5.30
HS-3	7/12/97	41			0.27	-1.31	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.01	-5.30	<0.004	-6.21	<0.004	-6.21	<0.01	-5.30
HS-3	7/12/97	46			0.014	-4.27	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-3	7/12/97	51			0.024	-3.73	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-3	7/12/97	56			0.041	-3.19	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-3	7/12/97	61			0.13	-2.04	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	11			0.0084	-4.78	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	16			0.015	-4.20	<0.002	-6.91	0.0027	-5.91	<0.002	-6.91	0.013	-4.34	0.0043	-5.45	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	21			0.066	-2.72	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	26			0.2	-1.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	31			0.16	-1.83	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	36			0.048	-3.04	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	41			0.1	-2.30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	46			0.021	-3.86	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	51			0.1	-2.30	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.01	-5.30	<0.004	-6.21	<0.004	-6.21	<0.01	-5.30
HS-4	7/12/97	56			0.01	-4.61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-4	7/12/97	61			0.002	-6.21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-5	7/13/97	11			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-5	7/13/97	16			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-5	7/13/97	21			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-6	7/13/97	11			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-6	7/13/97	16			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-7	7/13/97	6			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-7	7/13/97	11			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-7	7/13/97	16			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-7	7/13/97	21.5			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-8	7/13/97	6			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-8	7/13/97	11			<0.002	-6.91	0.0038	-5.57	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
HS-8	7/13/97	16			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-9	7/13/97	11			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
HS-9	7/13/97	16			<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.005	-5.99
SB48	8/28/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB50	8/29/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB51	8/29/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB52	8/29/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB67	8/31/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB68	8/31/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB70	8/31/00				0.009	-4.71	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB71	8/31/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
05SB76	9/1/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
06SB77	9/1/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
07SB78	9/1/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
08SB79	9/1/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB81	9/1/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB82	9/4/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB83	9/4/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB84	9/4/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB85	9/4/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB86	9/6/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB87	9/6/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
SB88-B	9/6/00				0.015	-4.20	0.32	-1.14	0.2	-1.61	<0.005	-5.99	1.4	0.34	0.35	-1.05	<0.005	-5.99	<0.005	-5.99
SB89-WW	9/6/00				<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.037	-3.30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
MH-2	12/21/95	5																		
MH-2	12/21/95	10																		
MH-4	12/21/95	5					<0.01	-5.30												
MH-4	12/21/95	10					<0.01	-5.30												
MH-4	12/21/95	20																		
MH-4	12/21/95	30																		
MH-4	12/21/95	40																		
MH-5	12/21/95	5					<0.01	-5.30												
MH-5	12/21/95	10					<0.01	-5.30												
MH-6	12/21/95	5					<0.01	-5.30												
MH-6	12/21/95	10					<0.01	-5.30												
Cell 71	12/19/95	1					<0.01	-5.30												
Cell 59	12/19/95	1					<0.01	-5.30												
Cell 76	12/19/95	1					<0.01	-5.30												
Cell 80	12/19/95	1					<0.01	-5.30												
Cell 57	12/19/95	1					<0.01	-5.30												
Cell 64	12/19/95	1					<0.01	-5.30												
Cell 55	12/19/95	1					<0.01	-5.30												
Cell 27	12/19/95	1					<0.01	-5.30												
Cell 46	12/19/95	1					<0.01	-5.30												
Cell 25	12/19/95	1					<0.01	-5.30												
Cell 2	12/19/95	1					<0.01	-5.30												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
Cell 30	12/19/95	1					<0.01	-5.30												
Cell 43	12/19/95	1					<0.01	-5.30												
Cell 21	12/19/95	1					<0.01	-5.30												
Cell 6	12/19/95	1					<0.01	-5.30												
Cell 12	12/19/95	1					<0.01	-5.30												
Cell 15	12/19/95	1					<0.01	-5.30												
Cell 17	12/19/95	1					<0.01	-5.30												
Cell 40	12/19/95	1					<0.01	-5.30												
Cell 4	12/19/95	1					<0.01	-5.30												
MH-4-4	12/22/95	20	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-4-5	12/22/95	30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-4-6	12/22/95	40	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-2-1	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-2-2	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-7-1	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-7-2	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-8-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-8-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-9-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-9-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-10-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-10-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-10-3	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-11-1	12/21/95	1	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-11-2	12/21/95	5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
MH-11-3	12/21/95	10	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99									<0.005	-5.99		
GP-19	12/21/95	5			<0.01	-5.30														
GP-19	12/21/95	10			<0.01	-5.30														
GP-19	12/21/95	15			<0.01	-5.30														
GP-19	12/21/95	20			<0.01	-5.30														
GP-19	12/21/95	25			<0.01	-5.30														
GP-19	12/21/95	30			<0.01	-5.30														
GP-19	12/21/95	35			<0.01	-5.30														
GP-19	12/21/95	40			<0.01	-5.30														
GP-20	12/22/95	5			<0.01	-5.30														
GP-20	12/22/95	10			<0.01	-5.30														
GP-20	12/22/95	15			<0.01	-5.30														
GP-20	12/22/95	20			<0.01	-5.30														
GP-20	12/22/95	25			<0.01	-5.30														
GP-20	12/27/95	30			<0.01	-5.30														
GP-20	12/27/95	35			<0.01	-5.30														
GP-20	12/27/95	40			<0.01	-5.30														
GP-21	12/27/95	5			<0.01	-5.30														
GP-21	12/27/95	10			<0.01	-5.30														
GP-21	12/27/95	15			<0.01	-5.30														
GP-21	12/27/95	20			<0.01	-5.30														

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
GP-21	12/27/95	25			<0.01	-5.30														
GP-21	12/27/95	30			<0.01	-5.30														
GP-21	12/27/95	35			<0.01	-5.30														
GP-21	12/27/95	40			<0.01	-5.30														
GP-22	12/27/95	5			<0.01	-5.30														
GP-22	12/27/95	10			<0.01	-5.30														
GP-22	12/27/95	15			<0.01	-5.30														
GP-22	12/27/95	20			<0.01	-5.30														
GP-22	12/27/95	25			<0.01	-5.30														
GP-22	12/27/95	30			<0.01	-5.30														
GP-22	12/27/95	35			0.02	-3.91														
GP-22	12/27/95	40			0.014	-4.27														
GP-23	12/27/95	15			<0.01	-5.30														
GP-23	12/27/95	20			<0.01	-5.30														
GP-23	12/28/95	25			<0.01	-5.30														
GP-23	12/28/95	30			0.01	-4.61														
GP-23	12/28/95	35			<0.01	-5.30														
GP-23	12/28/95	40			<0.01	-5.30														
GP-24	12/28/95	5			<0.01	-5.30														
GP-24	12/28/95	10			<0.01	-5.30														
GP-24	12/28/95	15			0.11	-2.21														
GP-24	12/28/95	20			<0.01	-5.30														
GP-24	12/28/95	25			0.013	-4.34														
GP-24	12/28/95	30			<0.01	-5.30														
GP-24	12/28/95	35			<0.01	-5.30														
GP-24	12/28/95	40			<0.01	-5.30														
MB-1	12/29/95	25			<0.1	-3.00														
MB-1	12/29/95	30			<0.01	-5.30														
MB-1	12/29/95	35			<0.01	-5.30														
MB-1	12/29/95	40			<0.01	-5.30														
MB-1	12/29/95	45			<0.01	-5.30														
MB-1	12/29/95	50			<0.01	-5.30														
MB-1	12/29/95	55			<0.01	-5.30														
MB-1	12/29/95	59			<0.01	-5.30														
MB-2	12/29/95	25			0.26	-1.35														
MB-2	12/29/95	30			0.97	-0.03														
MB-2	12/29/95	35			0.51	-0.67														
MB-2	12/29/95	40			0.015	-4.20														
MB-2	12/29/95	45			<0.01	-5.30														
MB-2	12/29/95	50			<0.01	-5.30														
MB-2	12/29/95	55			<0.01	-5.30														
MB-2	12/29/95	59			<0.01	-5.30														
T9B-1		5																		
SB-1		26																		
SB-3		16																		
SB-3		26																		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
SB-22		11																		
SB-22		26																		
SB-27		15			53	3.97														
SB-27		30			0.02	-3.91														
GP-1		20			4	1.39														
GP-1		25																		
GP-1		30			0.018	-4.02														
GP-2		5																		
GP-2		10																		
GP-2		15																		
GP-2		20			0.041	-3.19														
GP-2		25			0.032	-3.44														
GP-2		30			0.19	-1.66														
GP-3		20			0.015	-4.20														
GP-3		25			0.022	-3.82														
GP-3		30			0.018	-4.02														
GP-4		15																		
GP-4		20																		
GP-4		25			0.23	-1.47														
GP-4		30																		
GP-5		15																		
GP-5		20																		
GP-5		25			0.53	-0.63														
GP-5		30			0.015	-4.20														
GP-6		5			0.23	-1.47														
GP-6		10			0.021	-3.86														
GP-6		15			2.1	0.74														
GP-6		20			0.023	-3.77														
GP-6		25			0.12	-2.12														
GP-6		30			0.11	-2.21														
GP-7		5																		
GP-7		10			0.073	-2.62														
GP-7		15																		
GP-7		20																		
GP-7		25																		
GP-7		30			1.3	0.26														
GP-8		20																		
GP-8		25			0.38	-0.97														
GP-8		30			0.019	-3.96														
GP-9		5			0.71	-0.34														
GP-9		15																		
GP-9		25																		
GP-9		30																		
GP-10		5																		
GP-10		15			0.014	-4.27														
GP-10		25			0.015	-4.20														

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Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
GP-10		30																		
GP-11		5																		
GP-11		15			0.026	-3.65														
GP-11		25			0.47	-0.76														
GP-11		30																		
GP-12		20																		
GP-12		30			0.31	-1.17														
GP-12		38																		
GP-13		5																		
GP-13		15																		
GP-13		25			0.45	-0.80														
GP-13		30																		
GP-14		5																		
GP-14		15																		
GP-14		25			0.044	-3.12														
GP-14		30																		
GP-15		20																		
GP-15		30																		
GP-15		48																		
GP-16		10			0.015	-4.20														
GP-16		20																		
GP-16		30																		
GP-17		15																		
GP-17		25																		
GP-17		30																		
GP-18		5																		
GP-18		15			0.013	-4.34														
GP-18		25			0.54	-0.62														
GP-18		30			0.031	-3.47														
JF-M1-S37-EW-8	11/2/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S38-B-14	11/2/00	14	0.0011	-6.81	<0.001	-7.60	0.36	-1.02	0.091	-2.40	0.03	-3.51	1.7	0.53	0.12	-2.12	<0.001	-7.60	<0.001	-7.60
JF-M1-S39-SW-8	11/2/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M1-S40-WW-8	11/2/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M2-S16-B-10	10/25/00	10	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S33-EW-10	10/30/00	10	<0.01	-5.30	<0.001	-7.60	0.0014	-6.57	0.0017	-6.38	0.00052	-7.56	0.011	-4.51	0.0031	-5.78	<0.001	-7.60	<0.001	-7.60
JF-M3-S34-WW-14	10/31/00	14	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	0.00056	-7.49	<0.001	-7.60	0.0033	-5.71	0.00096	-6.95	<0.001	-7.60	<0.001	-7.60
JF-M3-S35-NW-13	10/31/00	13	0.0025	-5.99	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M3-S36-SW-13	10/31/00	13	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S22-EW-8	10/25/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S23-SW-8	10/25/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S24-B-13	10/25/00	13	<0.01	-5.30	<0.001	-7.60	0.0035	-5.65	0.00054	-7.52	<0.001	-7.60	0.0028	-5.88	0.0029	-5.84	<0.001	-7.60	<0.001	-7.60
JF-M7-S25-WW-8	10/25/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M7-S26-NW-8	10/25/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S27-B-13	10/26/00	13	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S28-WW-10	10/26/00	13	<1	-0.69	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<1	-0.69	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00
JF-M8-S30-SW-10	10/30/00	10	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0026	-5.95	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
JF-M8-S31-EW-10	10/30/00	10	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.00098	-6.93	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M8-S32-NW-10	10/30/00	10	0.0012	-6.73	<0.001	-7.60	0.0015	-6.50	0.0092	-4.69	<0.001	-7.60	0.013	-4.34	0.013	-4.34	<0.001	-7.60	<0.001	-7.60
JF-M9-S17-WW-5	10/25/00	6	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S18-NW-5	10/25/00	5	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S20-SW-5	10/25/00	5	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-M9-S21-EW-5	10/25/00	5	<0.01	-5.30	<0.001	-7.60	0.00051	-7.58	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S10B-B-8	11/2/00	8	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S12B-NW-6	11/2/00	6	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S13-B-6	10/24/00	6	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S15-NW-5	10/24/00	5	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S2-NW-5	10/24/00	5	<0.01	-5.30	0.0012	-6.73	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S3-B -6	10/24/00	6	<0.01	-5.30	0.00061	-7.40	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S4B-B-13	10/26/00	13	<0.01	-5.30	0.02	-3.91	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S6-NW-5	10/24/00	5	<0.01	-5.30	0.025	-3.69	0.0052	-5.26	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
JF-SB49-S7B-B-12	11/1/00	12	<0.01	-5.30	0.0065	-5.04	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	0.0064	-5.05
JF-SB49-S9B-NW-6	11/1/00	6	<0.01	-5.30	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60	0.0024	-6.03	<0.001	-7.60	<0.001	-7.60	<0.001	-7.60
EX1-11-6	6/11/98	6	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-7-11.5	6/10/98	11.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-5-5.5	6/10/98	5.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-3-5.5	6/9/98	5.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-2-5.5	6/9/98	5.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-1-5.5	6/9/98	5.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	0.009	-4.71	<0.005	-5.99
EX2-7-6	6/9/98	6	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-8-6	6/9/98	6	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-9-6.5	6/9/98	6.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6	6/11/98	6	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6.5	6/11/98	6.5	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-10-15	6/9/98	15	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.05	-3.69	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-11-15	6/9/98	15	<0.05	-3.69	<0.005	-5.99	0.013	-4.34	0.01	-4.61	0.024	-3.73	<0.05	-3.69	<0.005	-5.99	0.008	-4.83	<0.005	-5.99
EX2-26-15	6/22/98	15	<0.05	-3.69	14.7	2.69	<0.005	-5.99	1.1	0.10	<0.005	-5.99	<0.05	-3.69	1.6	0.47	<0.005	-5.99	<0.005	-5.99
EX2-4-7	6/9/98	7																		
EX2-5-5.5	6/9/98	5.5																		
EX3-1-5.5	6/9/98	5.5																		
EX3-2-6	6/9/98	6																		
EX3-3-5.5	6/9/98	5.5																		
EX3-4-5.5	6/9/98	5.5																		
EX2-6-9.5	6/9/98	9.5																		
EX2-12-15	6/9/98	15																		
EX2-13-12.5	6/9/98	12.5																		
EX2-13-12.5	6/9/98	12.5																		
EX1-8-11.5	6/9/98	11.5																		
EX1-9-11.5	6/9/98	11.5																		
EX1-10-11.5	6/9/98	11.5																		
EX2-18-11.5	6/9/98	11.5																		
EX2-22-11	6/9/98	11.0																		
EX2-24-6.5	6/9/98	6.5																		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Carbon Disulfide (mg/kg)		cis-1,2-Dichloroethene (mg/kg)		Ethylbenzene (mg/kg)		Isopropylbenzene (mg/kg)		p-Isopropyltoluene (mg/kg)		Naphthalene (mg/kg)		n-Propylbenzene (mg/kg)		Styrene (mg/kg)		1,1,1,2-Tetrachloroethane (mg/kg)	
EX2-25-6.5	6/9/98	6.5																		
EX2-26-6	6/9/98	6																		
Count including ND values (n):			64	64	368	368	297	297	254	254	254	254	254	254	254	254	271	271	254	254
Degrees of Freedom (n-1):			63	63	367	367	296	296	253	253	253	253	253	253	253	253	270	270	253	253
Arithmetic Mean of LT data:			NA	-5.12	NA	-5.25	NA	-6.45	NA	-6.57	NA	-6.65	NA	-5.46	NA	-6.57	NA	-6.63	NA	-6.00
Arithmetic Mean:			0.016	NA	0.294	NA	0.005	NA	0.014	NA	0.003	NA	0.052	NA	0.020	NA	0.003	NA	0.006	NA
[1]Variance of LT data(s^2):			NA	1.07	NA	4.21	NA	0.92	NA	1.10	NA	0.73	NA	1.24	NA	1.16	NA	0.65	NA	0.78
[1]Variance (s^2):			0.0038	NA	9.0310	NA	0.0009	NA	0.0137	NA	0.0002	NA	0.2644	NA	0.0331	NA	0.0002	NA	0.0011	NA
[1] Standard deviation of LT data (s):			NA	1.03	NA	2.05	NA	0.96	NA	1.05	NA	0.85	NA	1.11	NA	1.08	NA	0.81	NA	0.88
[1]Standard deviation (s):			0.0616	NA	3.0052	NA	0.0304	NA	0.1171	NA	0.0140	NA	0.5142	NA	0.1819	NA	0.0132	NA	0.0333	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[2]H Statistic for LT data:			NA	2.384	NA	2.099	NA	1.837	NA	1.971	NA	1.875	NA	2.005	NA	1.994	NA	1.790	NA	1.855
Student's t value ($t_{0.1}$):			1.67	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA
95% upper confidence level (UCL):			0.029	0.0140	0.552	0.0541	0.008	0.0028	0.026	0.0028	0.0047	0.0021	0.105	0.0091	0.039	0.0029	0.004	0.0020	0.010	0.0040
[2]Minimum value:			0.0011	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.00098	NA	0.0005	NA	0.0005	NA	0.0005	NA
Maximum value:			0.0025	NA	53	NA	0.36	NA	1.5	NA	0.0300	NA	7.9	NA	2.4	NA	0.009	NA	0.0064	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
GP-25	6/18/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-25	6/18/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-25	6/18/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-25	6/18/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-25	6/18/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-26	6/18/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-27	6/18/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-28	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-28	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-28	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-28	6/19/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-28	6/19/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-28	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-29	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-29	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-29	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-29	6/19/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-29	6/19/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-29	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-30	6/19/97	5	<0.002	-6.91	0.0085	-4.77	0.0024	-6.03	0.0021	-6.17	<0.002	-6.91		
GP-30	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-30	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-30	6/19/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-30	6/19/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-30	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-30	6/19/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-31	6/19/97	35	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
GP-32	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	35	<0.002	-6.91	0.003	-5.81	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	10	<0.002	-6.91	0.0044	-5.43	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	19.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-32	6/19/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-34	6/20/97	35	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99		
GP-35	6/20/97	15	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00	<0.1	-3.00		
GP-35	6/20/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-35	6/20/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-35	6/20/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-35	6/20/97	35	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99		
GP-36	6/20/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-36	6/20/97	10	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30		
GP-36	6/20/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-36	6/20/97	19.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-36	6/20/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-36	6/20/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-36	6/20/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-37	6/20/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-37	6/20/97	16.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-37	6/20/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-37	6/20/97	25	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99		
GP-37	6/20/97	30	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99		
GP-38	6/23/97	17	<0.005	-5.99	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-38	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-38	6/23/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-38	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-39	6/23/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-39	6/23/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-39	6/23/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-39	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
GP-39	6/23/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-39	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-39	6/23/97	35	<0.05	-3.69	<0.02	-4.61	<0.05	-3.69	<2	0.00	<0.02	-4.61		
GP-40	6/23/97	15	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61		
GP-40	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-40	6/23/97	25	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30		
GP-40	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-40	6/23/97	35	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-41	6/23/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-41	6/23/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-41	6/23/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-41	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-41	6/23/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-41	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-42	6/23/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-42	6/23/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-42	6/23/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-42	6/23/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-42	6/23/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-42	6/23/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-43	6/24/97	5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-43	6/24/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-43	6/24/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-43	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-43	6/24/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-43	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-44	6/24/97	15	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30		
GP-44	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-44	6/24/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-44	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-45	6/24/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-45	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-45	6/24/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-45	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-46	6/24/97	10	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-46	6/24/97	15	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-46	6/24/97	20	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-46	6/24/97	25	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
GP-46	6/24/97	30	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	6.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	26	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61		
HS-1	7/13/97	31	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	41.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	46	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
HS-1	7/13/97	51	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-1	7/13/97	61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	6.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	11	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99		
HS-2	7/12/97	16	0.0027	-5.91	<0.002	-6.91	<0.002	-6.91	0.0024	-6.03	<0.002	-6.91		
HS-2	7/12/97	21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	26	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30		
HS-2	7/12/97	31	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61		
HS-2	7/12/97	36.5	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30		
HS-2	7/12/97	41.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	46	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	51.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	56	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-2	7/12/97	61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-3	7/12/97	16	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61	<0.4	-1.61		
HS-3	7/12/97	21	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30	<0.01	-5.30		
HS-3	7/12/97	26	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61		
HS-3	7/12/97	31	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61	<0.02	-4.61		
HS-3	7/12/97	36	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21		
HS-3	7/12/97	41	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21		
HS-3	7/12/97	46	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-3	7/12/97	51	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-3	7/12/97	56	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-3	7/12/97	61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	26	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	31	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	36	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	41	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	46	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	51	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21	<0.004	-6.21		
HS-4	7/12/97	56	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-4	7/12/97	61	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-5	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-5	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-5	7/13/97	21	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-6	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-6	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-7	7/13/97	6	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-7	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-7	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-7	7/13/97	21.5	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-8	7/13/97	6	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-8	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	0.017	-4.07	0.0068	-4.99		

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
HS-8	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-9	7/13/97	11	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
HS-9	7/13/97	16	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91		
SB48	8/28/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB50	8/29/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB51	8/29/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB52	8/29/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB67	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB68	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB70	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB71	8/31/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
05SB76	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
06SB77	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
07SB78	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
08SB79	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB81	9/1/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB82	9/4/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB83	9/4/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB84	9/4/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB85	9/4/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB86	9/6/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB87	9/6/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB88-B	9/6/00		<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.01	-5.30	<0.005	-5.99		
SB89-WW	9/6/00		<0.005	-5.99	<0.005	-5.99	0.009	-4.71	<0.01	-5.30	<0.005	-5.99		
MH-2	12/21/95	5												
MH-2	12/21/95	10												
MH-4	12/21/95	5	<0.01	-5.30										
MH-4	12/21/95	10	<0.01	-5.30										
MH-4	12/21/95	20												
MH-4	12/21/95	30												
MH-4	12/21/95	40												
MH-5	12/21/95	5	<0.01	-5.30										
MH-5	12/21/95	10	<0.01	-5.30										
MH-6	12/21/95	5	<0.01	-5.30										
MH-6	12/21/95	10	<0.01	-5.30										
Cell 71	12/19/95	1	<0.01	-5.30										
Cell 59	12/19/95	1	<0.01	-5.30										
Cell 76	12/19/95	1	<0.01	-5.30										
Cell 80	12/19/95	1	<0.01	-5.30										
Cell 57	12/19/95	1	<0.01	-5.30										
Cell 64	12/19/95	1	<0.01	-5.30										
Cell 55	12/19/95	1	<0.01	-5.30										
Cell 27	12/19/95	1	<0.01	-5.30										
Cell 46	12/19/95	1	<0.01	-5.30										
Cell 25	12/19/95	1	<0.01	-5.30										
Cell 2	12/19/95	1	<0.01	-5.30										

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
Cell 30	12/19/95	1	<0.01	-5.30										
Cell 43	12/19/95	1	<0.01	-5.30										
Cell 21	12/19/95	1	<0.01	-5.30										
Cell 6	12/19/95	1	<0.01	-5.30										
Cell 12	12/19/95	1	<0.01	-5.30										
Cell 15	12/19/95	1	<0.01	-5.30										
Cell 17	12/19/95	1	<0.01	-5.30										
Cell 40	12/19/95	1	<0.01	-5.30										
Cell 4	12/19/95	1	<0.01	-5.30										
MH-4-4	12/22/95	20	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-4-5	12/22/95	30	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-4-6	12/22/95	40	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-2-1	12/21/95	5	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-2-2	12/21/95	10	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-7-1	12/21/95	5	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-7-2	12/21/95	10	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-8-1	12/21/95	1	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-8-2	12/21/95	5	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-9-1	12/21/95	1	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-9-2	12/21/95	5	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-10-1	12/21/95	1	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-10-2	12/21/95	5	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-10-3	12/21/95	10	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-11-1	12/21/95	1	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-11-2	12/21/95	5	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
MH-11-3	12/21/95	10	<0.005	-5.99					<0.005	-5.99	<0.005	-5.99		
GP-19	12/21/95	5												
GP-19	12/21/95	10												
GP-19	12/21/95	15												
GP-19	12/21/95	20												
GP-19	12/21/95	25												
GP-19	12/21/95	30												
GP-19	12/21/95	35												
GP-19	12/21/95	40												
GP-20	12/22/95	5												
GP-20	12/22/95	10												
GP-20	12/22/95	15												
GP-20	12/22/95	20												
GP-20	12/22/95	25												
GP-20	12/27/95	30												
GP-20	12/27/95	35												
GP-20	12/27/95	40												
GP-21	12/27/95	5												
GP-21	12/27/95	10												
GP-21	12/27/95	15												
GP-21	12/27/95	20												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
GP-21	12/27/95	25												
GP-21	12/27/95	30												
GP-21	12/27/95	35												
GP-21	12/27/95	40												
GP-22	12/27/95	5												
GP-22	12/27/95	10												
GP-22	12/27/95	15												
GP-22	12/27/95	20												
GP-22	12/27/95	25												
GP-22	12/27/95	30												
GP-22	12/27/95	35												
GP-22	12/27/95	40												
GP-23	12/27/95	15												
GP-23	12/27/95	20												
GP-23	12/28/95	25												
GP-23	12/28/95	30												
GP-23	12/28/95	35												
GP-23	12/28/95	40												
GP-24	12/28/95	5												
GP-24	12/28/95	10												
GP-24	12/28/95	15												
GP-24	12/28/95	20												
GP-24	12/28/95	25												
GP-24	12/28/95	30												
GP-24	12/28/95	35												
GP-24	12/28/95	40												
MB-1	12/29/95	25												
MB-1	12/29/95	30												
MB-1	12/29/95	35												
MB-1	12/29/95	40												
MB-1	12/29/95	45												
MB-1	12/29/95	50												
MB-1	12/29/95	55												
MB-1	12/29/95	59												
MB-2	12/29/95	25												
MB-2	12/29/95	30												
MB-2	12/29/95	35												
MB-2	12/29/95	40												
MB-2	12/29/95	45												
MB-2	12/29/95	50												
MB-2	12/29/95	55												
MB-2	12/29/95	59												
T9B-1		5												
SB-1		26												
SB-3		16												
SB-3		26												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
SB-22		11												
SB-22		26												
SB-27		15												
SB-27		30												
GP-1		20												
GP-1		25												
GP-1		30												
GP-2		5												
GP-2		10												
GP-2		15												
GP-2		20												
GP-2		25												
GP-2		30												
GP-3		20												
GP-3		25												
GP-3		30												
GP-4		15												
GP-4		20												
GP-4		25												
GP-4		30												
GP-5		15												
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GP-7		5												
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GP-7		15												
GP-7		20												
GP-7		25												
GP-7		30												
GP-8		20												
GP-8		25												
GP-8		30												
GP-9		5												
GP-9		15												
GP-9		25												
GP-9		30												
GP-10		5												
GP-10		15												
GP-10		25												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
GP-10		30												
GP-11		5												
GP-11		15												
GP-11		25												
GP-11		30												
GP-12		20												
GP-12		30												
GP-12		38												
GP-13		5												
GP-13		15												
GP-13		25												
GP-13		30												
GP-14		5												
GP-14		15												
GP-14		25												
GP-14		30												
GP-15		20												
GP-15		30												
GP-15		48												
GP-16		10												
GP-16		20												
GP-16		30												
GP-17		15												
GP-17		25												
GP-17		30												
GP-18		5												
GP-18		15												
GP-18		25												
GP-18		30												
JF-M1-S37-EW-8	11/2/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M1-S38-B-14	11/2/00	14	0.0032	-5.74	3.3	1.19	0.14	-1.97	0.22	-1.51	0.003	-5.81	<0.001	-7.60
JF-M1-S39-SW-8	11/2/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M1-S40-WW-8	11/2/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M2-S16-B-10	10/25/00	10	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M3-S33-EW-10	10/30/00	10	0.00094	-6.97	0.0033	-5.71	<0.002	-6.91	0.0023	-6.07	0.0007	-7.26	<0.001	-7.60
JF-M3-S34-WW-14	10/31/00	14	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M3-S35-NW-13	10/31/00	13	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M3-S36-SW-13	10/31/00	13	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M7-S22-EW-8	10/25/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M7-S23-SW-8	10/25/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M7-S24-B-13	10/25/00	13	0.0072	-4.93	0.028	-3.58	0.0081	-4.82	0.017	-4.07	0.0063	-5.07	<0.001	-7.60
JF-M7-S25-WW-8	10/25/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M7-S26-NW-8	10/25/00	8	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M8-S27-B-13	10/26/00	13	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M8-S28-WW-10	10/26/00	13	<0.1	-3.00	<0.2	-2.30	<0.2	-2.30	<0.2	-2.30	<0.1	-3.00	0.2	-1.61
JF-M8-S30-SW-10	10/30/00	10	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	0.001	-6.91	<0.001	-7.60	<0.001	-7.60

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
JF-M8-S31-EW-10	10/30/00	10	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	0.0006	-7.42	<0.001	-7.60	<0.001	-7.60
JF-M8-S32-NW-10	10/30/00	10	0.0012	-6.73	0.0033	-5.71	<0.002	-6.91	0.0061	-5.10	0.0011	-6.81	<0.001	-7.60
JF-M9-S17-WW-5	10/25/00	6	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M9-S18-NW-5	10/25/00	5	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M9-S20-SW-5	10/25/00	5	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-M9-S21-EW-5	10/25/00	5	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-SB49-S10B-B-8	11/2/00	8	0.0011	-6.81	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	0.013	-4.34
JF-SB49-S12B-NW-6	11/2/00	6	0.00061	-7.40	<0.002	-6.91	<0.002	-6.91	0.00061	-7.40	<0.001	-7.60	<0.001	-7.60
JF-SB49-S13-B-6	10/24/00	6	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	0.00085	-7.07	<0.001	-7.60	<0.001	-7.60
JF-SB49-S15-NW-5	10/24/00	5	<0.001	-7.60	0.0014	-6.57	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-SB49-S2-NW-5	10/24/00	5	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-SB49-S3-B -6	10/24/00	6	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-SB49-S4B-B-13	10/26/00	13	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-SB49-S6-NW-5	10/24/00	5	0.0012	-6.73	<0.002	-6.91	<0.002	-6.91	0.0011	-6.81	0.00095	-6.96	<0.001	-7.60
JF-SB49-S7B-B-12	11/1/00	12	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
JF-SB49-S9B-NW-6	11/1/00	6	<0.001	-7.60	<0.002	-6.91	<0.002	-6.91	<0.002	-6.91	<0.001	-7.60	<0.001	-7.60
EX1-11-6	6/11/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-7-11.5	6/10/98	11.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-5-5.5	6/10/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX1-3-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-2-5.5	6/9/98	5.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-1-5.5	6/9/98	5.5	0.008	-4.83	<0.005	-5.99	<0.005	-5.99	0.01	-4.61	<0.005	-5.99	<0.005	-5.99
EX2-7-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-8-6	6/9/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-9-6.5	6/9/98	6.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6	6/11/98	6	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-23-6.5	6/11/98	6.5	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99
EX2-10-15	6/9/98	15	<0.005	-5.99	<0.005	-5.99	<0.005	-5.99	0.007	-4.96	<0.005	-5.99	<0.005	-5.99
EX2-11-15	6/9/98	15	0.013	-4.34	<0.005	-5.99	0.02	-3.91	0.02	-3.91	0.016	-4.14	0.01	-4.61
EX2-26-15	6/22/98	15	<0.005	-5.99	0.2	-1.61	<0.005	-5.99	0.5	-0.69	<0.005	-5.99	<0.005	-5.99
EX2-4-7	6/9/98	7												
EX2-5-5.5	6/9/98	5.5												
EX3-1-5.5	6/9/98	5.5												
EX3-2-6	6/9/98	6												
EX3-3-5.5	6/9/98	5.5												
EX3-4-5.5	6/9/98	5.5												
EX2-6-9.5	6/9/98	9.5												
EX2-12-15	6/9/98	15												
EX2-13-12.5	6/9/98	12.5												
EX2-13-12.5	6/9/98	12.5												
EX1-8-11.5	6/9/98	11.5												
EX1-9-11.5	6/9/98	11.5												
EX1-10-11.5	6/9/98	11.5												
EX2-18-11.5	6/9/98	11.5												
EX2-22-11	6/9/98	11.0												
EX2-24-6.5	6/9/98	6.5												

Table E-1
Analytical Results and Statistical Analysis of VOCs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Toluene (mg/kg)		1,2,4-Trimethylbenzene (mg/kg)		1,3,5-Trimethylbenzene (mg/kg)		m,p-Xylenes (mg/kg)		o-Xylene (mg/kg)		Methyl-tert-Butyl Ether (mg/kg)	
EX2-25-6.5	6/9/98	6.5												
EX2-26-6	6/9/98	6												
Count including ND values (n):			297	297	254	254	254	254	271	271	271	271	47	47
Degrees of Freedom (n-1):			296	296	253	253	253	253	270	270	270	270	46	46
Arithmetic Mean of LT data:			NA	-6.48	NA	-6.50	NA	-6.55	NA	-6.40	NA	-6.60	NA	-6.90
Arithmetic Mean:			0.003	NA	0.017	NA	0.004	NA	0.010	NA	0.003	NA	0.006	NA
[1]Variance of LT data(s^2):			NA	0.73	NA	0.93	NA	0.69	NA	1.07	NA	0.64	NA	1.40
[1]Variance (s^2):			0.0002	NA	0.0431	NA	0.0003	NA	0.0049	NA	0.0002	NA	0.0008	NA
[1] Standard deviation of LT data (s):			NA	0.85	NA	0.96	NA	0.83	NA	1.03	NA	0.80	NA	1.18
[1]Standard deviation (s):			0.0126	NA	0.2077	NA	0.0170	NA	0.0702	NA	0.0132	NA	0.0287	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[2]H Statistic for LT data:			NA	1.761	NA	1.965	NA	1.849	NA	1.904224	NA	1.7938	NA	2.576
Student's t value ($t_{0.1}$):			1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.65	NA	1.68	NA
95% upper confidence level (UCL):			0.004	0.0024	0.039	0.0027	0.006	0.0022	0.017	0.0032	0.004	0.0020	0.013	0.0032
[2]Minimum value:			0.0005	NA	0.001	NA	0.001	NA	0.0006	NA	0.0005	NA	0.0005	NA
Maximum value:			0.013	NA	3.3	NA	0.14	NA	0.5	NA	0.016	NA	0.2	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-2
Analytical Results and Statistical Analysis of VOCs in Groundwater
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Well ID	Date	Benzene (mg/l)		Toluene (mg/l)		Ethyl benzene (mg/l)		Total Xylenes (mg/l)		MTBE (mg/l)		PCE (mg/l)	
MMW-3	03/15/94	0.0040	-5.5215	0.0130	-4.3428	0.0260	-3.64966	0.1010	-2.29263			0.0050	-5.29832
MMW-3	06/22/94	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			0.0040	-5.52146
MMW-3	09/16/94	<0.001	-7.6009	0.0030	-5.8091	<0.001	-7.60090	0.0060	-5.11600			<0.001	-7.60090
MMW-3	12/16/94	<0.001	-7.6009	0.0080	-4.8283	0.0020	-6.21461	0.0080	-4.82831			0.0030	-5.80914
MMW-3	03/08/95	0.0280	-3.5756	0.0280	-3.5756	0.0020	-6.21461	0.0180	-4.01738			0.0040	-5.52146
MMW-3	03/26/97	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			0.0120	-4.42285
MMW-3	08/03/98	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.0080	-4.82831
MMW-3	05/02/00	<0.0005	-8.2940	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.0050	-5.29832
MMW-3	06/06/00	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.0032	-5.74460
MMW-3	08/31/00	<0.0005	-8.2940	<0.001	-7.6009	<0.001	-7.60090	<0.002	-6.90776	0.0019	-6.26590	0.0044	-5.42615
MMW-4	03/15/94	<0.001	-7.6009	0.0040	-5.5215	0.0100	-4.60517	0.0380	-3.27017			0.0040	-5.52146
MMW-4	06/22/94	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			0.0020	-6.21461
MMW-4	09/16/94	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			<0.001	-7.60090
MMW-4	12/16/94	<0.001	-7.6009	0.0070	-4.9618	0.0030	-5.80914	0.0090	-4.71053			0.0010	-6.90776
MMW-4	03/08/95	0.0020	-6.2146	0.0020	-6.2146	<0.001	-7.60090	0.0010	-6.90776			0.0050	-5.29832
MMW-4	03/26/97	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			0.0042	-5.47267
MMW-4	08/03/98	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.0020	-6.21461
MMW-4	05/02/00	<0.0005	-8.2940	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.0044	-5.42615
MMW-4	06/06/00	<0.0005	-8.2940	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.0056	-5.18499
MMW-4	08/31/00	<0.0005	-8.2940	<0.001	-7.6009	<0.001	-7.60090	<0.002	-6.90776	<0.001	-7.60090	0.0067	-5.00565
MMW-5	03/15/94	<0.001	-7.6009	<0.001	-7.6009	0.0110	-4.50986	0.0370	-3.29684			0.3300	-1.10866
MMW-5	06/22/94	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			0.9300	-0.07257
MMW-5	09/16/94	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			0.8300	-0.18633
MMW-5	12/16/94	<0.001	-7.6009	0.0010	-6.9078	0.0020	-6.21461	0.0010	-6.90776			1.4000	0.33647
MMW-5	03/08/95	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			2.2000	0.78846
MMW-5	03/26/97	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090			1.1000	0.09531
MMW-5	10/22/98	<0.0003	-8.8049	0.0004	-7.8240	<0.0003	-8.80488	0.0006	-7.41858	<0.01	-5.29832		
MMW-5	11/20/98	0.0030	-5.8091	0.0030	-5.8091	<0.002	-6.90776	0.0010	-6.90776	<0.005	-5.99146	0.6600	-0.41552
MMW-5	05/02/00	<0.0005	-8.2940	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.6600	-0.41552
MMW-5	06/06/00	<0.001	-7.6009	<0.001	-7.6009	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	0.1000	-2.30259
MMW-5	09/15/00	<0.0025	-6.6846	<0.005	-5.9915	<0.005	-5.99146	<0.01	-5.29832	<0.005	-5.99146	0.3900	-0.94161
California Primary MCLs:		0.001	NA	0.15	NA	0.7	NA	1.75	NA	0.013	NA	0.005	NA
Count including ND values (n):		31	31	31	31	31	31	31	31	13	13	30	30
Degrees of Freedom (n-1):		30	30	30	30	30	30	30	30	12	12	29	29
Arithmetic Mean of LT data:		NA	-7.44	NA	-6.90	NA	-7.05	NA	-6.58	NA	-7.07	NA	-3.95
Arithmetic Mean:		1.59E-03	NA	2.64E-03	NA	2.26E-03	NA	7.62E-03	NA	1.26E-03	NA	0.29	NA
Sample Variance of LT data(s^2):		NA	1.00	NA	1.40	NA	1.27	NA	2.53	NA	0.72	NA	7.13
Sample Variance (s^2):		2.47E-05	NA	3.00E-05	NA	2.57E-05	NA	3.92E-04	NA	1.89E-06	NA	0.28	NA
Standard Deviation, LT data (s):		NA	1.00	NA	1.18	NA	1.13	NA	1.59	NA	0.85	NA	2.67
Standard deviation (s):		4.97E-03	NA	5.48E-03	NA	5.07E-03	NA	1.98E-02	NA	1.37E-03	NA	0.53	NA
Probability (two sided test):		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[1]H Statistic for LT data:		NA	2.42	NA	2.65	NA	2.59	NA	3.21	NA	2.562	NA	5.27
Student's t value ($t_{0.1}$):		1.70	NA	1.70	NA	1.70	NA	1.70	NA	1.78	NA	1.70	NA
95% upper confidence level (UCL):		0.0031	0.0015	0.0043	0.0036	0.0038	0.0028	0.0137	0.0125	0.0019	0.0023	0.4544	9.2661
Minimum value:		0.0002	NA	0.0004	NA	0.0002	NA	0.0005	NA	0.0005	NA	0.0005	NA
Maximum value:		0.0280	NA	0.0280	NA	0.0260	NA	0.1010	NA	0.0019	NA	2.2000	NA

Notes:
mg/l = milligrams per liter
NA = not applicable
LT = log transformed data
[1] Based on Gilbert, 1987

Table E-2
Analytical Results and Statistical Analysis of VOCs in Groundwater
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Well ID	Date	TCE (mg/l)		1,1-DCA (mg/l)		1,1-DCE (mg/l)		cis-1,2-DCE (mg/l)		1,2-DCA (mg/l)		1,2-Dichloropropane (mg/l)	
MMW-3	03/15/94	0.0250	-3.68888	0.0020	-6.21461	0.0100	-4.60517						
MMW-3	06/22/94	0.0240	-3.72970	0.0020	-6.21461	0.0080	-4.82831						
MMW-3	09/16/94	0.0120	-4.42285	<0.001	-7.60090	0.0030	-5.80914						
MMW-3	12/16/94	0.0170	-4.07454	0.0020	-6.21461	0.0050	-5.29832						
MMW-3	03/08/95	0.0200	-3.91202	0.0020	-6.21461	0.0020	-6.21461						
MMW-3	03/26/97	0.0230	-3.77226	0.0020	-6.21461	0.0070	-4.96185						
MMW-3	08/03/98	0.0210	-3.86323	0.0020	-6.21461	0.0060	-5.11600						
MMW-3	05/02/00	0.0160	-4.13517	0.0018	-6.31997	0.0092	-4.68855	<0.001	-7.60090	0.0013	-6.64539	0.0011	-6.81245
MMW-3	06/06/00	0.0120	-4.42285	0.0014	-6.57128	0.0056	-5.18499	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
MMW-3	08/31/00	0.0150	-4.19971	0.0017	-6.37713	0.0065	-5.03595	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
MMW-4	03/15/94	0.0180	-4.01738	<0.001	-7.60090	0.0020	-6.21461						
MMW-4	06/22/94	0.0160	-4.13517	<0.001	-7.60090	<0.001	-7.60090						
MMW-4	09/16/94	0.0060	-5.11600	<0.001	-7.60090	<0.001	-7.60090						
MMW-4	12/16/94	0.0060	-5.11600	<0.001	-7.60090	<0.001	-7.60090						
MMW-4	03/08/95	0.0090	-4.71053	<0.001	-7.60090	<0.001	-7.60090						
MMW-4	03/26/97	0.0040	-5.52146	<0.001	-7.60090	<0.001	-7.60090						
MMW-4	08/03/98	0.0040	-5.52146	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
MMW-4	05/02/00	0.0120	-4.42285	0.0017	-6.37713	0.0018	-6.31997	0.0014	-6.57128	0.0007	-7.27882	<0.001	-7.60090
MMW-4	06/06/00	0.0150	-4.19971	0.0021	-6.16582	0.0025	-5.99146	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
MMW-4	08/31/00	0.0170	-4.07454	0.0019	-6.26590	0.0020	-6.21461	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
MMW-5	03/15/94	0.0600	-2.81341	<0.001	-7.60090	0.0050	-5.29832						
MMW-5	06/22/94	0.1000	-2.30259	<0.001	-7.60090	<0.001	-7.60090						
MMW-5	09/16/94	0.0820	-2.50104	<0.001	-7.60090	<0.001	-7.60090						
MMW-5	12/16/94	0.1400	-1.96611	<0.001	-7.60090	0.0050	-5.29832						
MMW-5	03/08/95	0.1800	-1.71480	<0.001	-7.60090	<0.001	-7.60090						
MMW-5	03/26/97	0.0880	-2.43042	<0.001	-7.60090	<0.001	-7.60090						
MMW-5	10/22/98												
MMW-5	11/20/98	0.0910	-2.39690	<0.002	-6.90776	0.0090	-4.71053	0.0770	-2.56395				
MMW-5	05/02/00	0.0900	-2.40795	0.0034	-5.68398	0.0390	-3.24419	0.2700	-1.30933	0.0010	-6.90776	0.0040	-5.52146
MMW-5	06/06/00	0.0240	-3.72970	<0.001	-7.60090	0.0190	-3.96332	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
MMW-5	09/15/00	0.0520	-2.95651	0.0031	-5.77635	0.0410	-3.19418	<0.001	-7.60090	<0.001	-7.60090	<0.001	-7.60090
California Primary MCLs:		0.005	NA	0.005	NA	0.006	NA	0.006	NA	0.0005	NA	0.005	NA
Count including ND values (n):		30	30	30	30	30	30	11	11	10	10	10	10
Degrees of Freedom (n-1):		29	29	29	29	29	29	10	10	9	9	9	9
Arithmetic Mean of LT data:		NA	-3.74	NA	-6.92	NA	-5.94	NA	-6.48	NA	-7.40	NA	-7.31
Arithmetic Mean:		4.00E-02	NA	1.25E-03	NA	6.45E-03	NA	3.20E-02	NA	6.49E-04	NA	9.10E-04	NA
Sample Variance of LT data(s^2):		NA	1.07	NA	0.51	NA	1.97	NA	5.21	NA	0.12	NA	0.46
Sample Variance (s^2):		1.96E-03	NA	7.52E-07	NA	1.00E-04	NA	6.75E-03	NA	7.82E-08	NA	1.21E-06	NA
Standard Deviation, LT data (s):		NA	1.04	NA	0.72	NA	1.40	NA	2.28	NA	0.35	NA	0.68
Standard deviation (s):		4.43E-02	NA	8.67E-04	NA	1.00E-02	NA	8.22E-02	NA	2.80E-04	NA	1.10E-03	NA
Probability (two sided test):		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[1]H Statistic for LT data:		NA	2.61	NA	2.20	NA	3.13	NA	6.47	NA	2.03	NA	2.50
Student's t value ($t_{0.1}$):		1.70	NA	1.70	NA	1.70	NA	1.81	NA	1.83	NA	1.83	NA
95% upper confidence level (UCL):		0.0537	0.0670	0.0015	0.0017	0.0096	0.0159	0.0769	2.2229	0.0008	0.0008	0.0015	0.0015
Minimum value:		0.0040	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.0005	NA	0.0005	NA
Maximum value:		0.1800	NA	0.0034	NA	0.0410	NA	0.2700	NA	0.0013	NA	0.0040	NA

Notes:
mg/l = milligrams per liter
NA = not applicable
LT = log transformed data
[1] Based on Gilbert, 1987

Table E-3
Analytical Results and Statistical Analysis of PAHs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Acenaphthene (mg/kg)		Acenaphthylene (mg/kg)		Anthracene (mg/kg)		Benz (a) anthracene (mg/kg)		Benzo (a) pyrene (mg/kg)		Benzo (b) fluoranthene (mg/kg)		Benzo (g,h,i,) perylene (mg/kg)	
GP-25	6/18/97	15	<0.02	-4.6051702	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
GP-25	6/18/97	20	0.032	-3.4420194	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
GP-25	6/18/97	25	<0.02	-4.6051702	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
GP-26	6/18/97	35	<0.02	-4.6051702	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
GP-32	6/19/97	5	<0.02	-4.6051702	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
GP-34	6/20/97	5	<0.02	-4.6051702	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
HS-3	6/18/97	26	<0.05	-3.6888795	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
HS-3	6/18/97	46	<0.05	-3.6888795	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
HS-3	6/18/97	51	<0.05	-3.6888795	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
HS-5	7/13/97	16	<0.05	-3.6888795	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
HS-8	7/13/97	11	<0.05	-3.6888795	<0.05	-3.689	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.002	-6.908	<0.005	-5.991
		Count including ND values (n):	11	11	11	11	11	11	11	11	11	11	11	11	11	11
		Degrees of Freedom (n-1):	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		Arithmetic Mean of LT data:	NA	-4.08	NA	-3.69	NA	-6.91	NA	-6.91	NA	-6.91	NA	-6.91	NA	-5.99
		Arithmetic Mean:	1.88E-02	NA	2.50E-02	NA	1.00E-03	NA	1.00E-03	NA	1.00E-03	NA	1.00E-03	NA	2.50E-03	NA
		[1]Variance of LT data(s^2):	NA	2.32E-01	NA	-1.88E-15	NA	7.52E-15	NA	7.52E-15	NA	7.52E-15	NA	7.52E-15	NA	-1.50E-14
		[1]Variance (s^2):	6.85E-05	NA	3.44E-19	NA	-4.48E-22	NA	-4.48E-22	NA	-4.48E-22	NA	-4.48E-22	NA	2.69E-21	NA
		[1] Standard deviation of LT data (s):	NA	4.82E-01	NA	#NUM!	NA	8.67E-08	NA	8.67E-08	NA	8.67E-08	NA	8.67E-08	NA	#NUM!
		[1]Standard deviation (s):	0.01	NA	0.00	NA	#NUM!	NA	#NUM!	NA	#NUM!	NA	#NUM!	NA	0.0000	NA
		Probability (two sided test):	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
		[2]H Statistic for LT data:	NA	2.19	NA		NA		NA		NA		NA		NA	
		Student's t value ($t_{0.1}$):	1.81	NA	1.81	NA	1.81	NA	1.81	NA	1.81	NA	1.81	NA	1.81	NA
		95% upper confidence level (UCL):	0.02	0.03	0.025	#NUM!	#NUM!	0.0010	#NUM!	0.0010	#NUM!	0.0010	#NUM!	0.0010	0.0025	#NUM!
		Minimum value:	0.01	NA	0.025	NA	0.001	NA	0.001	NA	0.001	NA	0.001	NA	0.0025	NA
		Maximum value:	0.032	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-3
Analytical Results and Statistical Analysis of PAHs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Benzo (k) fluoranthene (mg/kg)		Chrysene (mg/kg)		Dibenz (a,h) anthracene (mg/kg)		Fluoranthene (mg/kg)		Florene (mg/kg)		Ideno(1,2,3-cd) pyrene (mg/kg)	
GP-25	6/18/97	15	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
GP-25	6/18/97	20	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
GP-25	6/18/97	25	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
GP-26	6/18/97	35	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
GP-32	6/19/97	5	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
GP-34	6/20/97	5	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
HS-3	6/18/97	26	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
HS-3	6/18/97	46	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
HS-3	6/18/97	51	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
HS-5	7/13/97	16	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
HS-8	7/13/97	11	<0.002	-6.908	<0.005	-5.991	<0.005	-5.991	<0.005	-5.991	<0.02	-4.605	<0.005	-5.991
Count including ND values (n):			11	11	11	11	11	11	11	11	11	11	11	11
Degrees of Freedom (n-1):			10	10	10	10	10	10	10	10	10	10	10	10
Arithmetic Mean of LT data:			NA	-6.91	NA	-5.99	NA	-5.99	NA	-5.99	NA	-4.61	NA	-5.99
Arithmetic Mean:			1.00E-03	NA	2.50E-03	NA	2.50E-03	NA	2.50E-03	NA	1.00E-02	NA	2.50E-03	NA
[1]Variance of LT data(s^2):			NA	7.52E-15	NA	-1.50E-14	NA	-1.50E-14	NA	-1.50E-14	NA	-3.76E-15	NA	-1.50E-14
[1]Variance (s^2):			-4.48E-22	NA	2.69E-21	NA	2.69E-21	NA	2.69E-21	NA	4.30E-20	NA	2.69E-21	NA
[1] Standard deviation of LT data (s):			NA	8.67E-08	NA	#NUM!	NA	#NUM!	NA	#NUM!	NA	#NUM!	NA	#NUM!
[1]Standard deviation (s):			#NUM!	NA	0.0000	NA	0.0000	NA	0.0000	NA	0.0000	NA	0.0000	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[2]H Statistic for LT data:			NA		NA		NA		NA		NA		NA	
Student's t value ($t_{0.1}$):			1.81	NA	1.81	NA	1.81	NA	1.81	NA	1.81	NA	1.81	NA
95% upper confidence level (UCL):			#NUM!	0.0010	0.0025	#NUM!	0.0025	#NUM!	0.0025	#NUM!	0.0100	#NUM!	0.0025	#NUM!
Minimum value:			0.001	NA	0.0025	NA	0.0025	NA	0.0025	NA	0.01	NA	0.0025	NA
Maximum value:			0	NA	0	NA	0	NA	0	NA	0	NA	0	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-3
Analytical Results and Statistical Analysis of PAHs in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Sample Date	Depth (fbg)	Naphthalene (mg/kg)		Phenanthrene (mg/kg)		Pyrene (mg/kg)	
GP-25	6/18/97	15	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
GP-25	6/18/97	20	<0.02	-4.605	0.006	-5.116	<0.005	-5.991
GP-25	6/18/97	25	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
GP-26	6/18/97	35	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
GP-32	6/19/97	5	0.13	-2.040	<0.005	-5.991	<0.005	-5.991
GP-34	6/20/97	5	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
HS-3	6/18/97	26	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
HS-3	6/18/97	46	0.021	-3.863	<0.005	-5.991	<0.005	-5.991
HS-3	6/18/97	51	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
HS-5	7/13/97	16	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
HS-8	7/13/97	11	<0.02	-4.605	<0.005	-5.991	<0.005	-5.991
		Count including ND values (n):	11	11	11	11	11	11
		Degrees of Freedom (n-1):	10	10	10	10	10	10
		Arithmetic Mean of LT data:	NA	-4.30	NA	-5.91	NA	-5.99
		Arithmetic Mean:	2.19E-02	NA	2.82E-03	NA	2.50E-03	NA
		[1]Variance of LT data(s^2):	NA	5.58E-01	NA	6.33E-02	NA	-1.50E-14
		[1]Variance (s^2):	1.18E-03	NA	1.01E-06	NA	2.69E-21	NA
		[1]Standard deviation of LT data (s):	NA	7.47E-01	NA	2.52E-01	NA	#NUM!
		[1]Standard deviation (s):	0.0343	NA	0.0010	NA	0.0000	NA
		Probability (two sided test):	0.1	0.1	0.1	0.1	0.1	0.1
		[2]H Statistic for LT data:	NA	2.621	NA	1.929	NA	
		Student's t value ($t_{0.1}$):	1.81	NA	1.81	NA	1.81	NA
		95% upper confidence level (UCL):	0.0407	0.0332	0.0034	0.0033	0.0025	#NUM!
		Minimum value:	0.01	NA	0.0025	NA	0.0025	NA
		Maximum value:	0.13	NA	0.006	NA	0	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Assumes random sampling and/or systematic random sampling.
[2] Based on Gilbert, 1987

Table E-4
Analytical Results and Statistical Analysis of Metals in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Date	Depth	Arsenic (mg/kg)		Lead (mg/kg)		Antimony (mg/kg)		Barium (mg/kg)		Beryllium (mg/kg)		Cadmium (mg/kg)		Chromium, VI (mg/kg)		Chromium, total (mg/kg)	
HS-3-26	07/12/97	26	14	2.639	9.4	2.241	<10	1.609	680	6.522	<0.5	-1.386	0.59	-0.528	<0.5	-1.386	28	3.332
HS-3-46	07/12/97	46	2.1	0.742	<2	0.000	<10	1.609	45	3.807	<0.5	-1.386	<0.5	-1.386	<0.5	-1.386	9.8	2.282
HS-3-51	07/12/97	51	<2	0.000	2.7	0.993	<10	1.609	85	4.443	<0.5	-1.386	0.55	-0.598	<0.5	-1.386	16	2.773
HS-5-6.5	07/12/97	6.5	3.2	1.163	43	3.761	<10	1.609	130	4.868	<0.5	-1.386	1.1	0.095	<0.5	-1.386	34	3.526
HS-5-16	07/12/97	16	<2	0.000	5	1.609	<10	1.609	120	4.787	<0.5	-1.386	0.75	-0.288	<0.5	-1.386	22	3.091
HS-6-6.5	07/12/97	6.5	2.4	0.875	4.4	1.482	<10	1.609	110	4.700	<0.5	-1.386	0.69	-0.371	<0.5	-1.386	22	3.091
HS-8-11	07/12/97	11	4.5	1.504	4.9	1.589	<10	1.609	130	4.868	<0.5	-1.386	0.64	-0.446	<0.5	-1.386	22	3.091
JF-M1-S37-EW-8	11/02/00	8	4.31	1.461	6.1	1.808												
JF-M3-S34-WW-14	10/31/00	14	2.15	0.765	2.67	0.982												
JF-M3-S35-NW-13	10/31/00	13	4.93	1.595	4.85	1.579												
JF-M3-S36-SW-13	10/31/00	13	2.96	1.085	3.2	1.163												
JF-M8-S30-SW-10	10/30/00	10	2.35	0.854	7.75	2.048												
JF-M8-S31-EW-10	10/30/00	10	3.96	1.376	6.01	1.793												
JF-M8-S32-NW-10	10/30/00	10	2.47	0.904	15.1	2.715												
JF-M3-S33-EW-10	10/30/00	10	1.91	0.647	2.48	0.908												
JF-M8-S27-B-13	10/26/00	13	5.36	1.679	4.63	1.533												
JF-M8-S28-WW-10	10/26/00	10	6.23	1.829	5.5	1.705												
JF-SB49-S4-B-B13	10/26/00	13	2.65	0.975	2.52	0.924												
JF-SB49-S5B-SW10	10/26/00	10	5.57	1.717	6.15	1.816												
JF-M2-S16-B-10	10/25/00	10	4.15	1.423	4.95	1.599												
JF-M9-S17-WW-5	10/25/00	5	3.51	1.256	4.25	1.447												
JF-M9-S18-NW-5	10/25/00	5	2.56	0.940	3.94	1.371												
JF-M9-S20-SW-5	10/25/00	5	3.51	1.256	4.22	1.440												
JF-M9-S21-EW-5	10/25/00	5	3.52	1.258	4.1	1.411												
JF-M7-S22-EW-8	10/25/00	8	4.16	1.426	4.82	1.573												
JF-M7-S23-SW-8	10/25/00	8	4.02	1.391	4.64	1.535												
JF-M7-S24-B-13	10/25/00	13	2.78	1.022	2.81	1.033												
JF-M7-S25-WW-8	10/25/00	8	4.65	1.537	4.64	1.535												
JF-M7-S26-NW8	10/25/00	8	4.64	1.535	5.85	1.766												
JF-SB49-S1-SW-5	10/24/00	5	3.85	1.348	4.63	1.533												
JF-SB49-S2-NW-5	10/24/00	5	3.22	1.169	4.29	1.456												
JF-SB49-S3-B-6	10/24/00	5	4.51	1.506	4.32	1.463												
JF-SB49-S5-SW-5	10/24/00	5	3.61	1.284	4.06	1.401												
JF-SB49-S6-NW-5	10/24/00	5	4.07	1.404	5.12	1.633												
JF-SB49-S8-SW-5	10/24/00	5	3.56	1.270	4.36	1.472												
JF-SB49-S11-SW-5	10/24/00	5	4.44	1.491	4.31	1.461												
JF-SB49-S13-B-6	10/24/00	6	4.36	1.472	4.65	1.537												
JF-SB49-S14-SW-5	10/24/00	5	4.12	1.416	4.76	1.560												
JF-SB49-S15-NW-5	10/24/00	5	4.29	1.456	4.39	1.479												

Table E-4
Analytical Results and Statistical Analysis of Metals in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Date	Depth	Arsenic (mg/kg)		Lead (mg/kg)		Antimony (mg/kg)		Barium (mg/kg)		Beryllium (mg/kg)		Cadmium (mg/kg)		Chromium, VI (mg/kg)		Chromium, total (mg/kg)	
Count including ND values (n):			39	39	39	39	7	7	7	7	7	7	7	7	7	7	7	7
Degrees of Freedom (n-1):			38	38	38	38	6	6	6	6	6	6	6	6	6	6	6	6
Arithmetic Mean of LT data:			NA	1.25	NA	1.55	NA	1.61	NA	4.86	NA	-1.39	NA	-0.50	NA	-1.39	NA	3.03
Arithmetic Mean:			3.86	NA	5.81	NA	5	NA	185.71	NA	0.25	NA	0.65	NA	0.25	NA	21.97	NA
Sample Variance of LT data(s^2):			NA	0.21	NA	0.30	NA	5.8003E-16	NA	0.58	NA	2.9E-16	NA	0.17	NA	2.9E-16	NA	0.14
Sample Variance (s^2):			4.03	NA	41.20	NA	0	NA	41503	NA	0	NA	0.06	NA	0	NA	52.12	NA
Standard Deviation, LT data (s):			NA	0.46	NA	0.55	NA	0.00	NA	0.76	NA	0.00	NA	0.42	NA	0.00	NA	0.37
Standard deviation (s):			2.01	NA	6.42	NA	0	NA	203.72	NA	0	NA	0.24	NA	0	NA	7.22	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[1]H Statistic for LT data:			NA	1.86	NA	1.77	NA		NA	3.05	NA		NA	2.32	NA		NA	2.23
Student's t value ($t_{0.1}$):			1.69	NA	1.69	NA	1.94	NA	1.94	NA	1.94	NA	1.94	NA	1.94	NA	1.94	NA
95% upper confidence level (UCL):			4.40	4.43	7.54	6.39	5	5	335.34	445.53	0.25	0.25	0.83	0.98	0.25	0.25	27.27	31.08
Minimum value:			1.00	NA	1.00	NA	5	NA	45	NA	0.25	NA	0.250	NA	0.25	NA	9.8	NA
Maximum value:			14	NA	43	NA	0	NA	680	NA	0	NA	1.1	NA	0	NA	34	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Based on Gilbert, 1987

Table E-4
Analytical Results and Statistical Analysis of Metals in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Date	Depth	Cobalt (mg/kg)		Copper (mg/kg)		Mercury (mg/kg)		Molybdenum (mg/kg)		Nickel (mg/kg)		Selenium (mg/kg)		Silver (mg/kg)	
HS-3-26	07/12/97	26	19	2.944	38	3.638	0.064	-2.749	<1	-0.693	35	3.555	<2	0.000	<1	-0.693
HS-3-46	07/12/97	46	4.6	1.526	9.1	2.208	0.041	-3.194	<1	-0.693	9.1	2.208	<2	0.000	<1	-0.693
HS-3-51	07/12/97	51	10	2.303	17	2.833	0.066	-2.718	<1	-0.693	16	2.773	<2	0.000	<1	-0.693
HS-5-6.5	07/12/97	6.5	13	2.565	33	3.497	0.044	-3.124	3.1	1.131	27	3.296	<2	0.000	<1	-0.693
HS-5-16	07/12/97	16	11	2.398	22	3.091	0.067	-2.703	<1	-0.693	23	3.135	<2	0.000	<1	-0.693
HS-6-6.5	07/12/97	6.5	12	2.485	18	2.890	0.049	-3.016	<1	-0.693	20	2.996	<2	0.000	<1	-0.693
HS-8-11	07/12/97	11	12	2.485	20	2.996	0.04	-3.219	<1	-0.693	21	3.045	<2	0.000	<1	-0.693
JF-M1-S37-EW-8	11/02/00	8														
JF-M3-S34-WW-14	10/31/00	14														
JF-M3-S35-NW-13	10/31/00	13														
JF-M3-S36-SW-13	10/31/00	13														
JF-M8-S30-SW-10	10/30/00	10														
JF-M8-S31-EW-10	10/30/00	10														
JF-M8-S32-NW-10	10/30/00	10														
JF-M3-S33-EW-10	10/30/00	10														
JF-M8-S27-B-13	10/26/00	13														
JF-M8-S28-WW-10	10/26/00	10														
JF-SB49-S4-B-B13	10/26/00	13														
JF-SB49-S5B-SW10	10/26/00	10														
JF-M2-S16-B-10	10/25/00	10														
JF-M9-S17-WW-5	10/25/00	5														
JF-M9-S18-NW-5	10/25/00	5														
JF-M9-S20-SW-5	10/25/00	5														
JF-M9-S21-EW-5	10/25/00	5														
JF-M7-S22-EW-8	10/25/00	8														
JF-M7-S23-SW-8	10/25/00	8														
JF-M7-S24-B-13	10/25/00	13														
JF-M7-S25-WW-8	10/25/00	8														
JF-M7-S26-NW8	10/25/00	8														
JF-SB49-S1-SW-5	10/24/00	5														
JF-SB49-S2-NW-5	10/24/00	5														
JF-SB49-S3-B-6	10/24/00	5														
JF-SB49-S5-SW-5	10/24/00	5														
JF-SB49-S6-NW-5	10/24/00	5														
JF-SB49-S8-SW-5	10/24/00	5														
JF-SB49-S11-SW-5	10/24/00	5														
JF-SB49-S13-B-6	10/24/00	6														
JF-SB49-S14-SW-5	10/24/00	5														
JF-SB49-S15-NW-5	10/24/00	5														

Table E-4
Analytical Results and Statistical Analysis of Metals in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Date	Depth	Cobalt (mg/kg)		Copper (mg/kg)		Mercury (mg/kg)		Molybdenum (mg/kg)		Nickel (mg/kg)		Selenium (mg/kg)		Silver (mg/kg)	
Count including ND values (n):			7	7	7	7	7	7	7	7	7	7	7	7	7	7
Degrees of Freedom (n-1):			6	6	6	6	6	6	6	6	6	6	6	6	6	6
Arithmetic Mean of LT data:			NA	2.39	NA	3.02	NA	-2.96	NA	-0.43	NA	3.00	NA	0	NA	-0.69
Arithmetic Mean:			11.66	NA	22.44	NA	0.05	NA	0.87	NA	21.59	NA	1	NA	0.5	NA
Sample Variance of LT data(s^2):			NA	0.16	NA	0.19	NA	0.05	NA	0.41	NA	0.16	NA	0	NA	7.25E-17
Sample Variance (s^2):			15.56	NA	83.86	NA	0.00	NA	0.83	NA	57.32	NA	0	NA	0	NA
Standard Deviation, LT data (s):			NA	0.40	NA	0.44	NA	0.21	NA	0.64	NA	0.40	NA	0.00	NA	0.00
Standard deviation (s):			3.94	NA	9.16	NA	0.01	NA	0.91	NA	7.57	NA	0	NA	0	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
[1]H Statistic for LT data:			NA	2.28	NA	2.36	NA	2.01	NA	2.77	NA	2.28	NA		NA	
Student's t value ($t_{0.1}$):			1.94	NA	1.94	NA	1.94	NA	1.94	NA	1.94	NA	1.94	NA	1.94	NA
95% upper confidence level (UCL):			14.55	17.06	29.17	34.29	0.06	0.06	1.54	1.64	27.15	31.43	1	1	0.5	0.5
Minimum value:			4.6	NA	9.10	NA	0.04	NA	0.50	NA	9.10	NA	1.00	NA	0.50	NA
Maximum value:			19	NA	38	NA	0.067	NA	3.1	NA	35	NA	0	NA	0	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Based on Gilbert, 1987

Table E-4
Analytical Results and Statistical Analysis of Metals in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Date	Depth	Thallium (mg/kg)		Vanadium (mg/kg)		Zinc (mg/kg)	
HS-3-26	07/12/97	26	<10	1.609	63	4.143	75	4.317
HS-3-46	07/12/97	46	<10	1.609	15	2.708	20	2.996
HS-3-51	07/12/97	51	<10	1.609	35	3.555	44	3.784
HS-5-6.5	07/12/97	6.5	<10	1.609	37	3.611	86	4.454
HS-5-16	07/12/97	16	<10	1.609	30	3.401	55	4.007
HS-6-6.5	07/12/97	6.5	<10	1.609	39	3.664	46	3.829
HS-8-11	07/12/97	11	<10	1.609	36	3.584	45	3.807
JF-M1-S37-EW-8	11/02/00	8						
JF-M3-S34-WW-14	10/31/00	14						
JF-M3-S35-NW-13	10/31/00	13						
JF-M3-S36-SW-13	10/31/00	13						
JF-M8-S30-SW-10	10/30/00	10						
JF-M8-S31-EW-10	10/30/00	10						
JF-M8-S32-NW-10	10/30/00	10						
JF-M3-S33-EW-10	10/30/00	10						
JF-M8-S27-B-13	10/26/00	13						
JF-M8-S28-WW-10	10/26/00	10						
JF-SB49-S4-B-B13	10/26/00	13						
JF-SB49-S5B-SW10	10/26/00	10						
JF-M2-S16-B-10	10/25/00	10						
JF-M9-S17-WW-5	10/25/00	5						
JF-M9-S18-NW-5	10/25/00	5						
JF-M9-S20-SW-5	10/25/00	5						
JF-M9-S21-EW-5	10/25/00	5						
JF-M7-S22-EW-8	10/25/00	8						
JF-M7-S23-SW-8	10/25/00	8						
JF-M7-S24-B-13	10/25/00	13						
JF-M7-S25-WW-8	10/25/00	8						
JF-M7-S26-NW8	10/25/00	8						
JF-SB49-S1-SW-5	10/24/00	5						
JF-SB49-S2-NW-5	10/24/00	5						
JF-SB49-S3-B-6	10/24/00	5						
JF-SB49-S5-SW-5	10/24/00	5						
JF-SB49-S6-NW-5	10/24/00	5						
JF-SB49-S8-SW-5	10/24/00	5						
JF-SB49-S11-SW-5	10/24/00	5						
JF-SB49-S13-B-6	10/24/00	6						
JF-SB49-S14-SW-5	10/24/00	5						
JF-SB49-S15-NW-5	10/24/00	5						

Table E-4
Analytical Results and Statistical Analysis of Metals in Soil
Jalk Fee Property
10607 Norwalk Boulevard, Santa Fe Springs, California

Sample ID	Date	Depth	Thallium (mg/kg)		Vanadium (mg/kg)		Zinc (mg/kg)	
Count including ND values (n):			7	7	7	7	7	7
Degrees of Freedom (n-1):			6	6	6	6	6	6
Arithmetic Mean of LT data:			NA	1.61	NA	3.52	NA	3.88
Arithmetic Mean:			5	NA	36.43	NA	53.00	NA
Sample Variance of LT data(s^2):			NA	5.8E-16	NA	0.16	NA	0.19
Sample Variance (s^2):			0	NA	173.67	NA	408.57	NA
Standard Deviation, LT data (s):			NA	0.00	NA	0.40	NA	0.44
Standard deviation (s):			0	NA	13.18	NA	20.21	NA
Probability (two sided test):			0.1	0.1	0.1	0.1	0.1	0.1
[1]H Statistic for LT data:			NA		NA	2.28	NA	2.36
Student's t value ($t_{0.1}$):			1.94	NA	1.94	NA	1.94	NA
95% upper confidence level (UCL):			5	5	46.11	53.01	67.85	81.49
Minimum value:			5.00	NA	15.00	NA	20.00	NA
Maximum value:			0	NA	63	NA	86	NA

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
LT = log transformed data
[1] Based on Gilbert, 1987

SESOIL MODELING OUTPUT - PCE

```
1
*****************************************************************************************
*****                                                                   *****
***** SESOIL-84 : SEASONAL CYCLES OF WATER, SEDIMENT, AND POLLUTANTS IN SOIL ENVIRONMENTS      *****
*****                                                                   *****
***** 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  : JANUARY 1995                                                  *****
*****                                                                   *****
*****************************************************************************************


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


REGION        :    BREA DAM
SOIL TYPE     :    Silty Sand
COMPOUND      :    Tetrachloroethylene
WASHLOAD DATA  :
APPLICATION AREA:    PCE Simulation


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):                          1.49
INTRINSIC PERMEABILITY (CM**2):                     .000
DISCONNECTEDNESS INDEX (-):                        3.90
POROSITY (-):                                  .280
ORGANIC CARBON CONTENT (%):                        .930E-01
CATION EXCHANGE CAPACITY (MILLI EQ./100G DRY SOIL):     .000
FREUNDLICH EXPONENT (-):                         1.00
1

   -- CHEMICAL INPUT PARAMETERS --

SOLUBILITY (UG/ML):                              240.
DIFFUSION COEFFICIENT IN AIR (CM**2/SEC):            .739E-02
HENRYS LAW CONSTANT (M**3-ATM/MOLE):                 .174E-01
ADSORPTION COEFFICIENT ON ORGANIC CARBON(KOC):        364.
ADSORPTION COEFFICIENT ON SOIL (K):                  .000
MOLECULAR  WEIGHT (G/MOL):                        166.
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):                    .000
LIGAND-POLLUTANT STABILITY CONSTANT (-):             .000
NO. MOLES LIGAND/MOLE POLLUTANT (-):                .000
LIGAND MOLECULAR WEIGHT (G/MOL):                    .000


   -- APPLICATION INPUT PARAMETERS --

NUMBER OF SOIL LAYERS:                            4
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YEARS TO BE SIMULATED:                          150
AREA (CM**2):                            0.140E+08
APPLICATION AREA LATITUDE (DEG.):                 33.9
SPILL (1) OR STEADY APPLICATION (0):              1
MODIFIED SUMMERS MODEL USED (1) OR NOT (0) FOR GWR. CONC.: 1
INITIAL CHEMICAL CONCENTRATIONS GIVEN (1) OR NOT GIVEN (0) 1
DEPTHS (CM):                             0.70E+03 91.   0.40E+03 0.64E+03
NUMBER OF SUBLAYERS/LAYER                          1    1    1    10
PH (CM):                            0.00   0.00   0.00   0.00
INTRINSIC PERMEABILITIES (CM**2):                 0.24E-07 0.94E-09 0.36E-10 0.81E-07
KDEL RATIOS (-):                      1.0    1.0    1.0
KDES RATIOS (-):                      1.0    1.0    1.0
OC RATIOS (-):                       1.0    1.0    1.0
CEC RATIOS (-):                       1.0    1.0    1.0
FRN RATIOS(-):                        1.0    1.0    1.0
ADS RATIOS(-):                        1.0    1.0    1.0
1
   YEAR -  1   MONTHLY INPUT PARAMETERS
   ========   ========================

   -- CLIMATIC INPUT PARAMETERS --

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

TEMP. (DEG C)      17.720 14.110 11.390 10.610 11.390 12.170 14.110 16.280 18.610 21.890 22.110 20.940
CLOUD CVR (FRAC.)   0.350  0.400  0.500  0.500  0.450  0.500  0.500  0.450  0.400  0.300  0.250  0.250
REL. HUM.(FRAC.)    0.650  0.550  0.600  0.650  0.600  0.600  0.700  0.600  0.650  0.550  0.650  0.650
ALBEDO (-)         0.190  0.190  0.190  0.190  0.190  0.190  0.190  0.190  0.190  0.190  0.190  0.190
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  0.000

PRECIP. (CM)       0.530  4.020  4.390  8.100  6.020  4.900  2.540  0.450  0.090  0.030  0.260  0.680
M.TIME RAIN(DAYS)   0.100  0.400  0.430  0.520  0.410  0.340  0.280  0.110  0.029  0.014  0.010  0.081
M. STORM NO. (-)    0.550  2.000  2.410  3.500  2.700  2.970  2.000  0.390  0.130  0.090  0.090  0.320
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 30.400


   INITIAL POLLUTANT CONCENTRATIONS IN UG/ML,INPUT FOR MONTH  1 OF YEAR 1


LAYER 1:
   SUBLAYER          1
INITIAL CONC. (UG/ML)  1.48E+00


LAYER 2:
   SUBLAYER          1
INITIAL CONC. (UG/ML)  1.40E-01


LAYER 3:
   SUBLAYER          1
INITIAL CONC. (UG/ML)  3.30E-01


LAYER 4:
   SUBLAYER          1      2      3      4      5      6      7      8      9     10
INITIAL CONC. (UG/ML)  3.30E-02 3.30E-02 3.30E-02 3.30E-02 3.30E-02 3.30E-02 3.30E-02 3.30E-02 3.30E-02 3.30E-02


   -- POLLUTANT INPUT PARAMETERS --

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

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 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 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 0.00E+00 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 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
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
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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 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 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 0.00E+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 0.00E+00 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 0.00E+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 0.00E+00 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 0.00E+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 0.00E+00 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 1.00E+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 --

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

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 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 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 0.00E+00 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 0.00E+00 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 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
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 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 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 0.00E+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 0.00E+00 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 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-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


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 0.00E+00 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 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 0.00E+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


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 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 0.00E+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
1
   YEAR -  3 through 150   MONTHLY INPUT PARAMETERS
   ========   ========================

   -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

   -- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR
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1

--MODIFIED SUMMERS MODEL PARAMETERS --
(INPUT FOR CALCULATION OF CONTAMINANT IN GROUNDWATER)

SATURATED HYDRAULIC CONDUCTIVITY (CM/DAY): 8.64E+02
HORIZONTAL HYDRAULIC GRADIENT: 6.00E-02
THICKNESS OF SATURATED CONE (CM): 3.05E+02
WIDTH OF CONTAMINATED ZONE PERPENDICULAR TO FLOW (CM): 5.33E+03
BACKGROUND CONTAMINANT CONCENTRATION IN AQUIFER (UG/ML): 0.00E+00

1

YEAR - 1 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.881	8.497	9.253	11.045	11.045	10.569	9.729	9.029	8.581	8.245	7.965	7.685
MOIS. BELOW L1 (%)	7.881	8.497	9.253	11.045	11.045	10.569	9.729	9.029	8.581	8.245	7.965	7.685
PRECIPATION (CM)	0.577	4.009	4.377	8.046	6.071	4.890	2.552	0.477	0.104	0.062	0.309	0.685
NET INFILT. (CM)	0.488	3.319	3.710	6.351	4.643	4.064	2.274	0.379	0.078	0.054	0.051	0.392
EVAPOTRANS. (CM)	1.215	2.410	2.475	3.109	4.117	4.390	3.344	1.358	0.726	0.574	0.535	0.913
MOIS. RETEN (CM)	-0.640	0.938	1.152	2.730	0.000	-0.725	-1.280	-1.066	-0.682	-0.512	-0.427	-0.427
SUR. RUNOFF (CM)	0.089	0.690	0.667	1.695	1.428	0.826	0.278	0.098	0.026	0.000	0.258	0.293
GRW. RUNOFF (CM)	-0.087	-0.030	0.083	0.512	0.527	0.399	0.209	0.088	0.035	-0.009	-0.057	-0.095
YIELD (CM)	0.002	0.660	0.750	2.206	1.954	1.225	0.487	0.185	0.061	-0.001	0.201	0.199
PAU/MPA (GZU)	1.089	0.997	0.997	0.993	1.008	0.998	1.005	1.060	1.154	2.058	1.189	1.008
PA/MPA (GZ)	1.089	0.997	0.997	0.993	1.008	0.998	1.005	1.060	1.154	2.058	1.189	1.008

1 -- POLLUTANT MASS INPUT TO COLUMN (UG) - INCLUDES INITIAL POLLUTANT CONCENTRATIONS --

	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	1.452E+10	0.000E+00	0.000E+00	0.000E+00	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	1.784E+08	0.000E+00	0.000E+00	0.000E+00	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	1.830E+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
LOAD LOWER	2.957E+08	0.000E+00	0.000E+00	0.000E+00	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	1.683E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	3.252E+07	2.123E+07	1.051E+07	3.352E+06	1.296E+06	6.852E+05	4.793E+05	4.714E+05	5.507E+05	6.546E+05	7.825E+05	9.035E+05
IN SOIL MOI	1.417E+09	8.680E+08	5.174E+08	2.083E+08	9.504E+07	4.691E+07	3.149E+07	3.063E+07	3.287E+07	3.623E+07	3.983E+07	4.090E+07

ADS ON SOIL 9.067E+09 5.152E+09 2.820E+09 9.513E+08 4.340E+08 2.239E+08 1.633E+08 1.711E+08 1.932E+08 2.216E+08 2.523E+08 2.684E+08
SOIL AIR 2.623E+09 1.463E+09 7.773E+08 2.401E+08 1.094E+08 5.790E+07 4.342E+07 4.687E+07 5.372E+07 6.173E+07 7.122E+07 7.711E+07

SOIL ZONE 2:

SUBLAYER 1

DIFFUSED UP 0.000E+00 2.255E+08 2.967E+08 1.362E+08 6.263E+07 3.557E+07 2.722E+07 2.961E+07 3.668E+07 4.397E+07 5.110E+07 5.620E+07
IN SOIL MOI 1.522E+08 4.254E+08 3.658E+08 1.909E+08 9.287E+07 4.903E+07 3.581E+07 3.757E+07 4.158E+07 4.538E+07 4.808E+07 4.717E+07
ADS ON SOIL 9.738E+08 2.525E+09 1.994E+09 8.717E+08 4.241E+08 2.340E+08 1.856E+08 2.099E+08 2.444E+08 2.776E+08 3.045E+08 3.096E+08
IN SOIL AIR 2.817E+08 7.171E+08 5.496E+08 2.201E+08 1.069E+08 6.051E+07 4.936E+07 5.750E+07 6.795E+07 7.733E+07 8.597E+07 8.893E+07

SOIL ZONE 3:

SUBLAYER 1

DIFFUSED UP 6.077E+05 0.000E+00 0.000E+00 1.483E+07 4.474E+07 6.205E+07 7.700E+07 8.752E+07 9.248E+07 9.485E+07 9.753E+07 1.014E+08
IN SOIL MOI 2.146E+08 6.154E+08 1.182E+09 2.036E+09 2.238E+09 2.222E+09 2.075E+09 1.927E+09 1.828E+09 1.754E+09 1.687E+09 1.625E+09
ADS ON SOIL 1.374E+09 3.653E+09 6.444E+09 9.296E+09 1.022E+10 1.060E+10 1.076E+10 1.077E+10 1.075E+10 1.073E+10 1.069E+10 1.066E+10
IN SOIL AIR 3.973E+08 1.037E+09 1.776E+09 2.347E+09 2.576E+09 2.742E+09 2.861E+09 2.950E+09 2.988E+09 2.989E+09 3.017E+09 3.063E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 3.275E+06 4.497E+06 7.565E+06 1.831E+07 2.683E+07 3.293E+07 3.421E+07 3.258E+07 3.124E+07 3.021E+07 2.934E+07 2.884E+07
ADS ON SOIL 2.096E+07 2.670E+07 4.124E+07 8.363E+07 1.225E+08 1.571E+08 1.774E+08 1.820E+08 1.836E+08 1.848E+08 1.858E+08 1.893E+08
IN SOIL AIR 6.063E+06 7.581E+06 1.137E+07 2.111E+07 3.087E+07 4.063E+07 4.716E+07 4.985E+07 5.105E+07 5.149E+07 5.246E+07 5.438E+07

SUBLAYER 2

IN SOIL MOI 3.198E+06 3.451E+06 3.813E+06 4.970E+06 5.655E+06 6.212E+06 6.246E+06 5.922E+06 5.674E+06 5.486E+06 5.324E+06 5.218E+06
ADS ON SOIL 2.046E+07 2.048E+07 2.078E+07 2.270E+07 2.582E+07 2.964E+07 3.238E+07 3.308E+07 3.335E+07 3.356E+07 3.371E+07 3.425E+07
IN SOIL AIR 5.919E+06 5.817E+06 5.728E+06 5.729E+06 6.507E+06 7.666E+06 8.611E+06 9.063E+06 9.273E+06 9.348E+06 9.519E+06 9.838E+06

SUBLAYER 3

IN SOIL MOI 3.197E+06 3.440E+06 3.740E+06 4.458E+06 4.502E+06 4.372E+06 4.089E+06 3.818E+06 3.643E+06 3.516E+06 3.402E+06 3.291E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.036E+07 2.056E+07 2.086E+07 2.120E+07 2.133E+07 2.141E+07 2.151E+07 2.154E+07 2.160E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.619E+06 5.139E+06 5.180E+06 5.395E+06 5.637E+06 5.843E+06 5.954E+06 5.992E+06 6.083E+06 6.204E+06

SUBLAYER 4

IN SOIL MOI 3.197E+06 3.440E+06 3.739E+06 4.444E+06 4.460E+06 4.289E+06 3.981E+06 3.711E+06 3.539E+06 3.415E+06 3.303E+06 3.190E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.030E+07 2.037E+07 2.047E+07 2.064E+07 2.073E+07 2.080E+07 2.089E+07 2.092E+07 2.094E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.617E+06 5.124E+06 5.132E+06 5.294E+06 5.488E+06 5.679E+06 5.783E+06 5.819E+06 5.906E+06 6.014E+06

SUBLAYER 5

IN SOIL MOI 3.197E+06 3.440E+06 3.739E+06 4.444E+06 4.459E+06 4.287E+06 3.977E+06 3.707E+06 3.535E+06 3.411E+06 3.300E+06 3.187E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.030E+07 2.036E+07 2.046E+07 2.062E+07 2.071E+07 2.078E+07 2.087E+07 2.090E+07 2.092E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.617E+06 5.123E+06 5.131E+06 5.290E+06 5.483E+06 5.673E+06 5.777E+06 5.813E+06 5.900E+06 6.009E+06

SUBLAYER 6

DIFFUSED UP 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.607E+01 3.271E+02 9.904E+02 2.012E+03 3.340E+03 4.871E+03
IN SOIL MOI 3.197E+06 3.440E+06 3.739E+06 4.444E+06 4.459E+06 4.287E+06 3.978E+06 3.707E+06 3.536E+06 3.412E+06 3.302E+06 3.189E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.030E+07 2.036E+07 2.046E+07 2.062E+07 2.071E+07 2.078E+07 2.088E+07 2.091E+07 2.093E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.617E+06 5.123E+06 5.131E+06 5.290E+06 5.483E+06 5.673E+06 5.778E+06 5.815E+06 5.903E+06 6.013E+06

SUBLAYER 7

DIFFUSED UP 0.000E+00 0.000E+00 8.349E-01 7.285E+00 6.764E+01 3.057E+02 1.042E+03 2.679E+03 5.223E+03 8.264E+03 1.147E+04 1.452E+04
IN SOIL MOI 3.197E+06 3.440E+06 3.739E+06 4.444E+06 4.459E+06 4.287E+06 3.979E+06 3.709E+06 3.539E+06 3.417E+06 3.307E+06 3.195E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.030E+07 2.036E+07 2.046E+07 2.063E+07 2.072E+07 2.080E+07 2.090E+07 2.094E+07 2.097E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.617E+06 5.123E+06 5.131E+06 5.291E+06 5.485E+06 5.676E+06 5.783E+06 5.822E+06 5.912E+06 6.023E+06

SUBLAYER 8

DIFFUSED UP 0.000E+00 0.000E+00 1.675E+01 1.598E+02 8.375E+02 2.783E+03 6.936E+03 1.327E+04 1.993E+04 2.529E+04 2.917E+04 3.160E+04

IN SOIL MOI 3.197E+06 3.440E+06 3.739E+06 4.445E+06 4.461E+06 4.290E+06 3.984E+06 3.718E+06 3.549E+06 3.428E+06 3.319E+06 3.207E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.030E+07 2.037E+07 2.048E+07 2.066E+07 2.077E+07 2.086E+07 2.097E+07 2.102E+07 2.105E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.617E+06 5.124E+06 5.133E+06 5.295E+06 5.493E+06 5.689E+06 5.801E+06 5.842E+06 5.934E+06 6.045E+06

SUBLAYER 9

DIFFUSED UP 0.000E+00 0.000E+00 3.626E+02 2.291E+03 8.641E+03 1.975E+04 3.479E+04 4.835E+04 5.504E+04 5.553E+04 5.295E+04 4.917E+04
IN SOIL MOI 3.197E+06 3.440E+06 3.739E+06 4.449E+06 4.472E+06 4.310E+06 4.010E+06 3.745E+06 3.575E+06 3.451E+06 3.339E+06 3.223E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.038E+07 2.032E+07 2.042E+07 2.057E+07 2.079E+07 2.092E+07 2.101E+07 2.111E+07 2.114E+07 2.116E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.618E+06 5.129E+06 5.146E+06 5.319E+06 5.528E+06 5.730E+06 5.843E+06 5.882E+06 5.969E+06 6.077E+06

SUBLAYER 10

DIFFUSED UP 0.000E+00 0.000E+00 5.329E+03 3.027E+04 6.807E+04 9.901E+04 1.149E+05 1.091E+05 9.042E+04 7.026E+04 5.464E+04 4.395E+04
IN SOIL MOI 3.197E+06 3.440E+06 3.744E+06 4.495E+06 4.549E+06 4.395E+06 4.080E+06 3.796E+06 3.612E+06 3.477E+06 3.358E+06 3.238E+06
ADS ON SOIL 2.046E+07 2.042E+07 2.041E+07 2.053E+07 2.077E+07 2.097E+07 2.115E+07 2.121E+07 2.123E+07 2.127E+07 2.126E+07 2.125E+07
IN SOIL AIR 5.919E+06 5.798E+06 5.626E+06 5.181E+06 5.234E+06 5.424E+06 5.625E+06 5.809E+06 5.903E+06 5.926E+06 6.003E+06 6.104E+06

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.832E+00 1.041E+00 5.697E-01 1.922E-01 8.768E-02 4.523E-02 3.299E-02 3.456E-02 3.903E-02 4.477E-02 5.096E-02 5.423E-02
%SOLUBILITY 7.632E-01 4.337E-01 2.374E-01 8.007E-02 3.653E-02 1.885E-02 1.374E-02 1.440E-02 1.626E-02 1.865E-02 2.123E-02 2.260E-02
ADSORBED 6.200E-01 3.523E-01 1.929E-01 6.505E-02 2.968E-02 1.531E-02 1.117E-02 1.170E-02 1.321E-02 1.516E-02 1.725E-02 1.836E-02
SOIL AIR 1.328E+00 7.644E-01 4.225E-01 1.443E-01 6.573E-02 3.384E-02 2.421E-02 2.517E-02 2.819E-02 3.184E-02 3.622E-02 3.868E-02

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 1.515E+00 3.930E+00 3.103E+00 1.357E+00 6.600E-01 3.641E-01 2.889E-01 3.266E-01 3.803E-01 4.320E-01 4.738E-01 4.818E-01
%SOLUBILITY 6.314E-01 1.637E+00 1.293E+00 5.652E-01 2.750E-01 1.517E-01 1.204E-01 1.361E-01 1.585E-01 1.800E-01 1.974E-01 2.007E-01
ADSORBEO 5.130E-01 1.330E+00 1.050E+00 4.592E-01 2.234E-01 1.233E-01 9.780E-02 1.106E-01 1.287E-01 1.462E-01 1.604E-01 1.631E-01
SOIL AIR 1.099E+00 2.886E+00 2.301E+00 1.019E+00 4.948E-01 2.725E-01 2.121E-01 2.379E-01 2.747E-01 3.073E-01 3.368E-01 3.436E-01

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 4.912E-01 1.306E+00 2.304E+00 3.324E+00 3.655E+00 3.792E+00 3.848E+00 3.851E+00 3.843E+00 3.837E+00 3.821E+00 3.813E+00
%SOLUBILITY 2.047E-01 5.443E-01 9.602E-01 1.385E+00 1.523E+00 1.580E+00 1.603E+00 1.604E+00 1.601E+00 1.599E+00 1.592E+00 1.589E+00
AOSORBED 1.663E-01 4.422E-01 7.801E-01 1.125E+00 1.237E+00 1.284E+00 1.303E+00 1.303E+00 1.301E+00 1.299E+00 1.294E+00 1.291E+00
SOIL AIR 3.562E-01 9.594E-01 1.709E+00 2.497E+00 2.740E+00 2.837E+00 2.825E+00 2.804E+00 2.775E+00 2.729E+00 2.716E+00 2.720E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.638E-02 5.907E-02 9.125E-02 1.850E-01 2.711E-01 3.477E-01 3.925E-01 4.027E-01 4.063E-01 4.090E-01 4.111E-01 4.189E-01
%SOLUBILITY 1.932E-02 2.461E-02 3.802E-02 7.710E-02 1.130E-01 1.449E-01 1.635E-01 1.678E-01 1.693E-01 1.704E-01 1.713E-01 1.745E-01
ADSORBED 1.570E-02 2.000E-02 3.089E-02 6.264E-02 9.177E-02 1.177E-01 1.329E-01 1.363E-01 1.375E-01 1.385E-01 1.392E-01 1.418E-01
SOIL AIR 3.363E-02 4.339E-02 6.767E-02 1.390E-01 2.032E-01 2.602E-01 2.881E-01 2.933E-01 2.934E-01 2.909E-01 2.922E-01 2.987E-01

SUBLAYER 2

MOISTURE 4.528E-02 4.533E-02 4.599E-02 5.022E-02 5.714E-02 6.559E-02 7.165E-02 7.321E-02 7.379E-02 7.425E-02 7.460E-02 7.578E-02
%SOLUBILITY 1.887E-02 1.889E-02 1.916E-02 2.092E-02 2.381E-02 2.733E-02 2.986E-02 3.050E-02 3.075E-02 3.094E-02 3.108E-02 3.158E-02
AOSORBED 1.533E-02 1.534E-02 1.557E-02 1.700E-02 1.934E-02 2.220E-02 2.426E-02 2.478E-02 2.498E-02 2.514E-02 2.525E-02 2.565E-02
SOIL AIR 3.284E-02 3.329E-02 3.410E-02 3.771E-02 4.283E-02 4.908E-02 5.260E-02 5.332E-02 5.330E-02 5.281E-02 5.303E-02 5.405E-02

SUBLAYER 3

MOISTURE 4.528E-02 4.518E-02 4.510E-02 4.504E-02 4.549E-02 4.617E-02 4.690E-02 4.719E-02 4.738E-02 4.759E-02 4.767E-02 4.779E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.877E-02 1.895E-02 1.924E-02 1.954E-02 1.966E-02 1.974E-02 1.983E-02 1.986E-02 1.991E-02
ADSORBED 1.533E-02 1.529E-02 1.527E-02 1.525E-02 1.540E-02 1.563E-02 1.588E-02 1.598E-02 1.604E-02 1.611E-02 1.614E-02 1.618E-02
SOIL AIR 3.284E-02 3.318E-02 3.345E-02 3.383E-02 3.410E-02 3.454E-02 3.443E-02 3.437E-02 3.422E-02 3.385E-02 3.389E-02 3.408E-02

SUBLAYER 4

MOISTURE 4.528E-02 4.518E-02 4.509E-02 4.491E-02 4.507E-02 4.529E-02 4.567E-02 4.587E-02 4.602E-02 4.622E-02 4.628E-02 4.632E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.871E-02 1.878E-02 1.887E-02 1.903E-02 1.911E-02 1.918E-02 1.926E-02 1.928E-02 1.930E-02
ADSORBED 1.533E-02 1.529E-02 1.526E-02 1.520E-02 1.526E-02 1.533E-02 1.546E-02 1.553E-02 1.558E-02 1.565E-02 1.567E-02 1.568E-02
SOIL AIR 3.284E-02 3.318E-02 3.344E-02 3.373E-02 3.379E-02 3.389E-02 3.353E-02 3.341E-02 3.324E-02 3.288E-02 3.290E-02 3.304E-02

SUBLAYER 5

MOISTURE 4.528E-02 4.518E-02 4.509E-02 4.491E-02 4.506E-02 4.527E-02 4.563E-02 4.582E-02 4.597E-02 4.618E-02 4.624E-02 4.629E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.871E-02 1.877E-02 1.886E-02 1.901E-02 1.909E-02 1.916E-02 1.924E-02 1.927E-02 1.929E-02
ADSORBED 1.533E-02 1.529E-02 1.526E-02 1.520E-02 1.525E-02 1.532E-02 1.545E-02 1.551E-02 1.556E-02 1.563E-02 1.565E-02 1.567E-02
SOIL AIR 3.284E-02 3.318E-02 3.344E-02 3.373E-02 3.378E-02 3.387E-02 3.349E-02 3.337E-02 3.320E-02 3.284E-02 3.287E-02 3.301E-02

SUBLAYER 6

MOISTURE 4.528E-02 4.518E-02 4.509E-02 4.491E-02 4.506E-02 4.527E-02 4.563E-02 4.583E-02 4.598E-02 4.619E-02 4.626E-02 4.632E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.871E-02 1.877E-02 1.886E-02 1.901E-02 1.909E-02 1.916E-02 1.925E-02 1.928E-02 1.930E-02
ADSORBED 1.533E-02 1.529E-02 1.526E-02 1.520E-02 1.525E-02 1.532E-02 1.545E-02 1.551E-02 1.557E-02 1.564E-02 1.566E-02 1.568E-02
SOIL AIR 3.284E-02 3.318E-02 3.344E-02 3.373E-02 3.378E-02 3.387E-02 3.349E-02 3.338E-02 3.321E-02 3.285E-02 3.289E-02 3.303E-02

SUBLAYER 7

MOISTURE 4.528E-02 4.518E-02 4.509E-02 4.491E-02 4.506E-02 4.527E-02 4.564E-02 4.585E-02 4.602E-02 4.625E-02 4.633E-02 4.640E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.871E-02 1.877E-02 1.886E-02 1.902E-02 1.910E-02 1.918E-02 1.927E-02 1.931E-02 1.933E-02
ADSORBED 1.533E-02 1.529E-02 1.526E-02 1.520E-02 1.525E-02 1.533E-02 1.545E-02 1.552E-02 1.558E-02 1.566E-02 1.569E-02 1.571E-02
SOIL AIR 3.284E-02 3.318E-02 3.344E-02 3.373E-02 3.378E-02 3.388E-02 3.350E-02 3.339E-02 3.324E-02 3.289E-02 3.294E-02 3.309E-02

SUBLAYER 8

MOISTURE 4.528E-02 4.518E-02 4.509E-02 4.491E-02 4.507E-02 4.531E-02 4.571E-02 4.595E-02 4.616E-02 4.640E-02 4.650E-02 4.657E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.871E-02 1.878E-02 1.888E-02 1.904E-02 1.915E-02 1.923E-02 1.934E-02 1.938E-02 1.940E-02
ADSORBED 1.533E-02 1.529E-02 1.526E-02 1.520E-02 1.526E-02 1.534E-02 1.547E-02 1.556E-02 1.563E-02 1.571E-02 1.574E-02 1.576E-02
SOIL AIR 3.284E-02 3.318E-02 3.344E-02 3.373E-02 3.379E-02 3.390E-02 3.355E-02 3.347E-02 3.334E-02 3.301E-02 3.305E-02 3.321E-02

SUBLAYER 9

MOISTURE 4.528E-02 4.518E-02 4.510E-02 4.495E-02 4.519E-02 4.552E-02 4.600E-02 4.629E-02 4.649E-02 4.672E-02 4.678E-02 4.681E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.879E-02 1.873E-02 1.883E-02 1.897E-02 1.917E-02 1.929E-02 1.937E-02 1.947E-02 1.949E-02 1.950E-02
ADSORBED 1.533E-02 1.529E-02 1.527E-02 1.522E-02 1.530E-02 1.541E-02 1.557E-02 1.567E-02 1.574E-02 1.581E-02 1.584E-02 1.585E-02
SOIL AIR 3.284E-02 3.318E-02 3.345E-02 3.376E-02 3.388E-02 3.406E-02 3.377E-02 3.371E-02 3.358E-02 3.323E-02 3.325E-02 3.339E-02

SUBLAYER 10

MOISTURE 4.528E-02 4.518E-02 4.516E-02 4.542E-02 4.596E-02 4.641E-02 4.681E-02 4.692E-02 4.698E-02 4.707E-02 4.705E-02 4.702E-02
%SOLUBILITY 1.887E-02 1.882E-02 1.882E-02 1.892E-02 1.915E-02 1.934E-02 1.950E-02 1.955E-02 1.957E-02 1.961E-02 1.960E-02 1.959E-02
ADSORBED 1.533E-02 1.529E-02 1.529E-02 1.537E-02 1.556E-02 1.571E-02 1.584E-02 1.588E-02 1.590E-02 1.593E-02 1.593E-02 1.592E-02
SOIL AIR 3.284E-02 3.318E-02 3.349E-02 3.411E-02 3.446E-02 3.473E-02 3.436E-02 3.418E-02 3.393E-02 3.348E-02 3.344E-02 3.353E-02

POL DEP CM 1.796E+03 1.797E+03 1.797E+03 1.799E+03 1.800E+03 1.801E+03 1.801E+03 1.802E+03 1.802E+03 1.802E+03 1.802E+03 1.802E+03
1 YEAR - 1 ANNUAL SUMMARY REPORT
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-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	1.452E+10
SOIL ZONE 2	1.784E+08
SOIL ZONE 3	1.830E+09
LOWER SOIL ZONE	2.957E+08

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 9.127
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.127
TOTAL PRECIPITATION (CM) 32.160
TOTAL INFILTRATION (CM) 25.804
TOTAL EVAPOTRANSPIRATION (CM) 25.167
TOTAL SURFACE RUNOFF (CM) 6.347
TOTAL GRW RUNOFF (CM) 1.575
TOTAL MOISTURE RETENTION (CM) -0.938
TOTAL YIELD (CM) 7.930
0 – 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 7.343E+07

SOIL ZONE 2:

SUBLAYER 1

TOTAL DIFFUSED (UP) 1.001E+09

SOIL ZONE 3:

SUBLAYER 1

TOTAL DIFFUSED (UP) 6.730E+08

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

TOTAL DIFFUSED (UP) 1.158E+04

SUBLAYER 7

TOTAL DIFFUSED (UP) 4.358E+04

SUBLAYER 8

TOTAL DIFFUSED (UP) 1.300E+05

SUBLAYER 9

TOTAL DIFFUSED (UP) 3.269E+05

SUBLAYER 10

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TOTAL DIFFUSED (UP)          6.860E+05
    -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
    ----------------------------------------------------------------------------

UPPER SOIL ZONE:

  SUBLAYER  1

            SOIL MOISTURE (UG/ML)  3.353E-01
            ADSORBED SOIL (UG/G)   1.135E-01
            SOIL AIR (UG/ML)       2.453E-01

SOIL ZONE 2:

  SUBLAYER  1

            SOIL MOISTURE (UG/ML)  1.109E+00
            ADSORBED SOIL (UG/G)   3.755E-01
            SOIL AIR (UG/ML)       8.154E-01

SOIL ZONE 3:

  SUBLAYER  1

            SOIL MOISTURE (UG/ML)  3.157E+00
            ADSORBED SOIL (UG/G)   1.069E+00
            SOIL AIR (UG/ML)       2.306E+00

LOWER SOIL ZONE:

  SUBLAYER  1

            SOIL MOISTURE (UG/ML)  2.867E-01
            ADSORBED SOIL (UG/G)   9.707E-02
            SOIL AIR (UG/ML)       2.086E-01

  SUBLAYER  2

            SOIL MOISTURE (UG/ML)  6.274E-02
            ADSORBED SOIL (UG/G)   2.124E-02
            SOIL AIR (UG/ML)       4.575E-02

  SUBLAYER  3

            SOIL MOISTURE (UG/ML)  4.640E-02
            ADSORBED SOIL (UG/G)   1.571E-02
            SOIL AIR (UG/ML)       3.390E-02

  SUBLAYER  4

            SOIL MOISTURE (UG/ML)  4.560E-02
            ADSORBED SOIL (UG/G)   1.544E-02
            SOIL AIR (UG/ML)       3.332E-02

  SUBLAYER  5

            SOIL MOISTURE (UG/ML)  4.558E-02
            ADSORBED SOIL (UG/G)   1.543E-02
            SOIL AIR (UG/ML)       3.330E-02

  SUBLAYER  6

            SOIL MOISTURE (UG/ML)  4.558E-02
            ADSORBED SOIL (UG/G)   1.543E-02
            SOIL AIR (UG/ML)       3.331E-02

  SUBLAYER  7

            SOIL MOISTURE (UG/ML)  4.561E-02
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ADSORBED SOIL (UG/G) 1.544E-02
SOIL AIR (UG/ML) 3.332E-02

SUBLAYER 8

SOIL MOISTURE (UG/ML) 4.568E-02
ADSORBED SOIL (UG/G) 1.546E-02
SOIL AIR (UG/ML) 3.338E-02

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.586E-02
ADSORBED SOIL (UG/G) 1.552E-02
SOIL AIR (UG/ML) 3.351E-02

SUBLAYER 10

SOIL MOISTURE (UG/ML) 4.627E-02
ADSORBED SOIL (UG/G) 1.566E-02
SOIL AIR (UG/ML) 3.381E-02

MAX. POLL. DEPTH (M) 1.802E+01

1

YEAR - 2 MONTHLY RESULTS (OUTPUT)
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-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 3.536E+07 2.150E+07 1.234E+07 4.764E+06 2.067E+06 9.521E+05 5.840E+05 5.034E+05 4.727E+05 4.514E+05 4.268E+05 3.783E+05
ADS ON SOIL 2.409E+08 1.329E+08 6.916E+07 2.215E+07 9.559E+06 4.580E+06 3.045E+06 2.821E+06 2.787E+06 2.771E+06 2.703E+06 2.483E+06
IN SOIL AIR 7.132E+07 3.838E+07 1.932E+07 5.656E+06 2.429E+06 1.190E+06 8.122E+05 7.739E+05 7.762E+05 7.730E+05 7.631E+05 7.133E+05

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI 4.094E+07 2.500E+07 1.437E+07 5.494E+06 2.365E+06 1.087E+06 6.669E+05 5.737E+05 5.381E+05 5.141E+05 4.864E+05 4.320E+05
ADS ON SOIL 2.789E+08 1.545E+08 8.053E+07 2.554E+07 1.094E+07 5.231E+06 3.477E+06 3.215E+06 3.173E+06 3.156E+06 3.080E+06 2.835E+06
IN SOIL AIR 8.257E+07 4.463E+07 2.250E+07 6.523E+06 2.779E+06 1.359E+06 9.275E+05 8.820E+05 8.837E+05 8.803E+05 8.696E+05 8.145E+05

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 1.570E+09 1.754E+09 1.943E+09 2.331E+09 2.339E+09 2.247E+09 2.082E+09 1.944E+09 1.853E+09 1.788E+09 1.735E+09 1.674E+09
ADS ON SOIL 1.069E+10 1.084E+10 1.089E+10 1.084E+10 1.082E+10 1.081E+10 1.086E+10 1.090E+10 1.093E+10 1.098E+10 1.099E+10 1.099E+10
IN SOIL AIR 3.167E+09 3.131E+09 3.042E+09 2.767E+09 2.749E+09 2.808E+09 2.896E+09 2.989E+09 3.044E+09 3.062E+09 3.102E+09 3.157E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 2.838E+07 3.498E+07 4.309E+07 6.173E+07 6.958E+07 7.306E+07 7.086E+07 6.679E+07 6.380E+07 6.161E+07 5.992E+07 5.829E+07
ADS ON SOIL 1.933E+08 2.162E+08 2.415E+08 2.870E+08 3.218E+08 3.515E+08 3.695E+08 3.743E+08 3.762E+08 3.782E+08 3.795E+08 3.825E+08
IN SOIL AIR 5.723E+07 6.245E+07 6.746E+07 7.328E+07 8.176E+07 9.132E+07 9.855E+07 1.027E+08 1.048E+08 1.055E+08 1.071E+08 1.099E+08

SUBLAYER 2

IN SOIL MOI 5.118E+06 6.246E+06 7.729E+06 1.155E+07 1.365E+07 1.501E+07 1.494E+07 1.417E+07 1.355E+07 1.310E+07 1.276E+07 1.247E+07
ADS ON SOIL 3.486E+07 3.860E+07 4.331E+07 5.368E+07 6.314E+07 7.219E+07 7.792E+07 7.940E+07 7.993E+07 8.039E+07 8.080E+07 8.185E+07
IN SOIL AIR 1.032E+07 1.115E+07 1.210E+07 1.371E+07 1.604E+07 1.876E+07 2.078E+07 2.178E+07 2.226E+07 2.243E+07 2.281E+07 2.351E+07

SUBLAYER 3

IN SOIL MOI 3.172E+06 3.536E+06 3.968E+06 5.008E+06 5.309E+06 5.390E+06 5.167E+06 4.862E+06 4.643E+06 4.483E+06 4.358E+06 4.232E+06
ADS ON SOIL 2.161E+07 2.185E+07 2.224E+07 2.328E+07 2.455E+07 2.593E+07 2.694E+07 2.724E+07 2.738E+07 2.752E+07 2.760E+07 2.778E+07
IN SOIL AIR 6.398E+06 6.313E+06 6.211E+06 5.946E+06 6.238E+06 6.738E+06 7.186E+06 7.474E+06 7.624E+06 7.676E+06 7.792E+06 7.979E+06

SUBLAYER 4

IN SOIL MOI 3.068E+06 3.374E+06 3.718E+06 4.479E+06 4.537E+06 4.405E+06 4.110E+06 3.844E+06 3.666E+06 3.537E+06 3.434E+06 3.318E+06
ADS ON SOIL 2.090E+07 2.086E+07 2.083E+07 2.082E+07 2.098E+07 2.119E+07 2.143E+07 2.154E+07 2.162E+07 2.171E+07 2.174E+07 2.178E+07
IN SOIL AIR 6.188E+06 6.025E+06 5.820E+06 5.317E+06 5.331E+06 5.506E+06 5.717E+06 5.910E+06 6.020E+06 6.057E+06 6.139E+06 6.256E+06

SUBLAYER 5

IN SOIL MOI 3.066E+06 3.369E+06 3.708E+06 4.451E+06 4.489E+06 4.337E+06 4.033E+06 3.769E+06 3.593E+06 3.467E+06 3.365E+06 3.249E+06
ADS ON SOIL 2.088E+07 2.082E+07 2.078E+07 2.069E+07 2.076E+07 2.086E+07 2.103E+07 2.112E+07 2.119E+07 2.128E+07 2.131E+07 2.133E+07
IN SOIL AIR 6.183E+06 6.015E+06 5.804E+06 5.284E+06 5.275E+06 5.421E+06 5.610E+06 5.794E+06 5.901E+06 5.937E+06 6.016E+06 6.126E+06

SUBLAYER 6

IN SOIL MOI 3.068E+06 3.371E+06 3.710E+06 4.453E+06 4.490E+06 4.336E+06 4.032E+06 3.767E+06 3.592E+06 3.465E+06 3.363E+06 3.248E+06
ADS ON SOIL 2.089E+07 2.084E+07 2.079E+07 2.070E+07 2.077E+07 2.086E+07 2.102E+07 2.111E+07 2.118E+07 2.127E+07 2.130E+07 2.132E+07
IN SOIL AIR 6.187E+06 6.019E+06 5.807E+06 5.286E+06 5.276E+06 5.420E+06 5.607E+06 5.791E+06 5.898E+06 5.934E+06 6.013E+06 6.123E+06

SUBLAYER 7

IN SOIL MOI 3.073E+06 3.377E+06 3.717E+06 4.460E+06 4.497E+06 4.343E+06 4.038E+06 3.774E+06 3.598E+06 3.471E+06 3.369E+06 3.253E+06
DS ON SOIL 2.093E+07 2.087E+07 2.083E+07 2.074E+07 2.080E+07 2.089E+07 2.106E+07 2.115E+07 2.122E+07 2.131E+07 2.133E+07 2.135E+07
N SOIL AIR 6.198E+06 6.029E+06 5.818E+06 5.295E+06 5.285E+06 5.429E+06 5.617E+06 5.801E+06 5.908E+06 5.944E+06 6.023E+06 6.133E+06

SUBLAYER 8

IN SOIL MOI 3.084E+06 3.389E+06 3.730E+06 4.476E+06 4.513E+06 4.359E+06 4.053E+06 3.787E+06 3.610E+06 3.483E+06 3.381E+06 3.265E+06
ADS ON SOIL 2.101E+07 2.095E+07 2.090E+07 2.081E+07 2.088E+07 2.097E+07 2.113E+07 2.122E+07 2.129E+07 2.138E+07 2.141E+07 2.143E+07
IN SOIL AIR 6.220E+06 6.051E+06 5.839E+06 5.314E+06 5.304E+06 5.448E+06 5.636E+06 5.821E+06 5.928E+06 5.965E+06 6.044E+06 6.155E+06

SUBLAYER 9

IN SOIL MOI 3.100E+06 3.407E+06 3.750E+06 4.500E+06 4.537E+06 4.381E+06 4.074E+06 3.807E+06 3.629E+06 3.502E+06 3.398E+06 3.281E+06
ADS ON SOIL 2.112E+07 2.106E+07 2.101E+07 2.092E+07 2.098E+07 2.108E+07 2.124E+07 2.133E+07 2.140E+07 2.149E+07 2.152E+07 2.154E+07
IN SOIL AIR 6.253E+06 6.083E+06 5.869E+06 5.342E+06 5.332E+06 5.477E+06 5.666E+06 5.852E+06 5.959E+06 5.996E+06 6.076E+06 6.187E+06

SUBLAYER 10

IN SOIL MOI 3.114E+06 3.422E+06 3.769E+06 4.566E+06 4.651E+06 4.526E+06 4.225E+06 3.954E+06 3.772E+06 3.640E+06 3.533E+06 3.411E+06
ADS ON SOIL 2.121E+07 2.115E+07 2.112E+07 2.123E+07 2.151E+07 2.177E+07 2.203E+07 2.216E+07 2.225E+07 2.234E+07 2.237E+07 2.239E+07
IN SOIL AIR 6.281E+06 6.110E+06 5.900E+06 5.421E+06 5.465E+06 5.657E+06 5.876E+06 6.079E+06 6.195E+06 6.233E+06 6.316E+06 6.431E+06

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.866E-02 2.684E-02 1.397E-02 4.474E-03 1.931E-03 9.252E-04 6.151E-04 5.699E-04 5.631E-04 5.598E-04 5.460E-04 5.016E-04
%SOLUBILITY 2.027E-02 1.118E-02 5.821E-03 1.864E-03 8.046E-04 3.855E-04 2.563E-04 2.375E-04 2.346E-04 2.332E-04 2.275E-04 2.090E-04
ADSORBED 1.647E-02 9.086E-03 4.729E-03 1.515E-03 6.537E-04 3.132E-04 2.082E-04 1.929E-04 1.906E-04 1.895E-04 1.848E-04 1.698E-04
SOIL AIR 3.529E-02 1.971E-02 1.036E-02 3.360E-03 1.448E-03 6.923E-04 4.516E-04 4.151E-04 4.067E-04 3.982E-04 3.881E-04 3.578E-04

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 4.340E-01 2.404E-01 1.253E-01 3.975E-02 1.702E-02 8.141E-03 5.411E-03 5.003E-03 4.939E-03 4.911E-03 4.793E-03 4.412E-03
%SOLUBILITY 1.808E-01 1.002E-01 5.222E-02 1.656E-02 7.093E-03 3.392E-03 2.255E-03 2.085E-03 2.058E-03 2.046E-03 1.997E-03 1.839E-03
ADSORBED 1.469E-01 8.139E-02 4.242E-02 1.346E-02 5.763E-03 2.756E-03 1.832E-03 1.694E-03 1.672E-03 1.662E-03 1.622E-03 1.494E-03
SOIL AIR 3.147E-01 1.766E-01 9.294E-02 2.985E-02 1.276E-02 6.092E-03 3.972E-03 3.644E-03 3.567E-03 3.493E-03 3.407E-03 3.147E-03

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 3.825E+00 3.876E+00 3.894E+00 3.875E+00 3.869E+00 3.865E+00 3.883E+00 3.896E+00 3.909E+00 3.925E+00 3.929E+00 3.930E+00
%SOLUBILITY 1.594E+00 1.615E+00 1.623E+00 1.615E+00 1.612E+00 1.610E+00 1.618E+00 1.623E+00 1.629E+00 1.636E+00 1.637E+00 1.637E+00
ADSORBED 1.295E+00 1.312E+00 1.318E+00 1.312E+00 1.310E+00 1.308E+00 1.314E+00 1.319E+00 1.323E+00 1.329E+00 1.330E+00 1.330E+00
SOIL AIR 2.773E+00 2.847E+00 2.888E+00 2.910E+00 2.900E+00 2.892E+00 2.850E+00 2.838E+00 2.823E+00 2.792E+00 2.793E+00 2.803E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.277E-01 4.784E-01 5.343E-01 6.350E-01 7.121E-01 7.777E-01 8.176E-01 8.281E-01 8.325E-01 8.368E-01 8.397E-01 8.465E-01
%SOLUBILITY 1.782E-01 1.993E-01 2.226E-01 2.646E-01 2.967E-01 3.240E-01 3.407E-01 3.451E-01 3.469E-01 3.487E-01 3.499E-01 3.527E-01
ADSORBED 1.448E-01 1.619E-01 1.809E-01 2.150E-01 2.411E-01 2.633E-01 2.768E-01 2.803E-01 2.818E-01 2.833E-01 2.842E-01 2.865E-01
SOIL AIR 3.102E-01 3.513E-01 3.963E-01 4.769E-01 5.338E-01 5.819E-01 6.002E-01 6.031E-01 6.012E-01 5.952E-01 5.968E-01 6.037E-01

SUBLAYER 2

MOISTURE 7.714E-02 8.541E-02 9.584E-02 1.188E-01 1.397E-01 1.597E-01 1.724E-01 1.757E-01 1.769E-01 1.779E-01 1.788E-01 1.811E-01
%SOLUBILITY 3.214E-02 3.559E-02 3.993E-02 4.949E-02 5.821E-02 6.655E-02 7.184E-02 7.321E-02 7.369E-02 7.412E-02 7.449E-02 7.546E-02
ADSORBED 2.611E-02 2.891E-02 3.244E-02 4.020E-02 4.729E-02 5.407E-02 5.837E-02 5.948E-02 5.987E-02 6.022E-02 6.052E-02 6.131E-02
SOIL AIR 5.594E-02 6.273E-02 7.107E-02 8.919E-02 1.047E-01 1.195E-01 1.266E-01 1.280E-01 1.277E-01 1.265E-01 1.271E-01 1.292E-01

SUBLAYER 3

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MOISTURE    4.781E-02 4.835E-02 4.920E-02 5.152E-02 5.433E-02 5.738E-02 5.961E-02 6.028E-02 6.058E-02 6.088E-02 6.107E-02 6.146E-02
%SOLUBILITY 1.992E-02 2.015E-02 2.050E-02 2.147E-02 2.264E-02 2.391E-02 2.484E-02 2.512E-02 2.524E-02 2.537E-02 2.544E-02 2.561E-02
ADSORBED    1.619E-02 1.637E-02 1.666E-02 1.744E-02 1.839E-02 1.942E-02 2.018E-02 2.041E-02 2.051E-02 2.061E-02 2.067E-02 2.081E-02
SOIL AIR    3.467E-02 3.551E-02 3.649E-02 3.869E-02 4.073E-02 4.294E-02 4.376E-02 4.390E-02 4.376E-02 4.331E-02 4.341E-02 4.384E-02

      SUBLAYER  4

MOISTURE    4.624E-02 4.615E-02 4.610E-02 4.607E-02 4.643E-02 4.689E-02 4.743E-02 4.767E-02 4.783E-02 4.804E-02 4.811E-02 4.819E-02
%SOLUBILITY 1.927E-02 1.923E-02 1.921E-02 1.920E-02 1.935E-02 1.954E-02 1.976E-02 1.986E-02 1.993E-02 2.002E-02 2.005E-02 2.008E-02
ADSORBED    1.565E-02 1.562E-02 1.561E-02 1.560E-02 1.572E-02 1.587E-02 1.605E-02 1.614E-02 1.619E-02 1.626E-02 1.629E-02 1.631E-02
SOIL AIR    3.354E-02 3.389E-02 3.419E-02 3.460E-02 3.481E-02 3.508E-02 3.481E-02 3.472E-02 3.455E-02 3.417E-02 3.420E-02 3.437E-02

      SUBLAYER  5

MOISTURE    4.620E-02 4.607E-02 4.598E-02 4.579E-02 4.594E-02 4.616E-02 4.654E-02 4.673E-02 4.689E-02 4.709E-02 4.715E-02 4.719E-02
%SOLUBILITY 1.925E-02 1.920E-02 1.916E-02 1.908E-02 1.914E-02 1.923E-02 1.939E-02 1.947E-02 1.954E-02 1.962E-02 1.965E-02 1.966E-02
ADSORBED    1.564E-02 1.560E-02 1.556E-02 1.550E-02 1.555E-02 1.563E-02 1.575E-02 1.582E-02 1.587E-02 1.594E-02 1.596E-02 1.597E-02
SOIL AIR    3.351E-02 3.384E-02 3.410E-02 3.439E-02 3.444E-02 3.454E-02 3.416E-02 3.404E-02 3.387E-02 3.349E-02 3.352E-02 3.366E-02

      SUBLAYER  6

MOISTURE    4.623E-02 4.610E-02 4.600E-02 4.580E-02 4.595E-02 4.615E-02 4.652E-02 4.671E-02 4.687E-02 4.707E-02 4.713E-02 4.716E-02
%SOLUBILITY 1.926E-02 1.921E-02 1.917E-02 1.909E-02 1.915E-02 1.923E-02 1.938E-02 1.946E-02 1.953E-02 1.961E-02 1.964E-02 1.965E-02
ADSORBED    1.565E-02 1.561E-02 1.557E-02 1.551E-02 1.555E-02 1.562E-02 1.575E-02 1.581E-02 1.587E-02 1.593E-02 1.595E-02 1.597E-02
SOIL AIR    3.353E-02 3.386E-02 3.411E-02 3.440E-02 3.445E-02 3.454E-02 3.415E-02 3.402E-02 3.385E-02 3.348E-02 3.350E-02 3.364E-02

      SUBLAYER  7

MOISTURE    4.632E-02 4.618E-02 4.608E-02 4.588E-02 4.603E-02 4.623E-02 4.660E-02 4.679E-02 4.694E-02 4.715E-02 4.720E-02 4.724E-02
%SOLUBILITY 1.930E-02 1.924E-02 1.920E-02 1.912E-02 1.918E-02 1.926E-02 1.941E-02 1.950E-02 1.956E-02 1.964E-02 1.967E-02 1.968E-02
ADSORBED    1.568E-02 1.563E-02 1.560E-02 1.553E-02 1.558E-02 1.565E-02 1.577E-02 1.584E-02 1.589E-02 1.596E-02 1.598E-02 1.599E-02
SOIL AIR    3.359E-02 3.392E-02 3.418E-02 3.446E-02 3.450E-02 3.460E-02 3.420E-02 3.408E-02 3.391E-02 3.353E-02 3.355E-02 3.369E-02

      SUBLAYER  8

MOISTURE    4.648E-02 4.635E-02 4.625E-02 4.605E-02 4.619E-02 4.640E-02 4.676E-02 4.695E-02 4.711E-02 4.731E-02 4.737E-02 4.741E-02
%SOLUBILITY 1.937E-02 1.931E-02 1.927E-02 1.919E-02 1.925E-02 1.933E-02 1.948E-02 1.956E-02 1.963E-02 1.971E-02 1.974E-02 1.975E-02
ADSORBED    1.574E-02 1.569E-02 1.566E-02 1.559E-02 1.564E-02 1.571E-02 1.583E-02 1.589E-02 1.595E-02 1.602E-02 1.604E-02 1.605E-02
SOIL AIR    3.371E-02 3.404E-02 3.430E-02 3.458E-02 3.463E-02 3.472E-02 3.432E-02 3.420E-02 3.402E-02 3.365E-02 3.367E-02 3.381E-02

      SUBLAYER  9

MOISTURE    4.673E-02 4.660E-02 4.649E-02 4.629E-02 4.643E-02 4.664E-02 4.700E-02 4.720E-02 4.735E-02 4.756E-02 4.762E-02 4.766E-02
%SOLUBILITY 1.947E-02 1.941E-02 1.937E-02 1.929E-02 1.935E-02 1.943E-02 1.958E-02 1.967E-02 1.973E-02 1.982E-02 1.984E-02 1.986E-02
ADSORBED    1.582E-02 1.577E-02 1.574E-02 1.567E-02 1.572E-02 1.579E-02 1.591E-02 1.598E-02 1.603E-02 1.610E-02 1.612E-02 1.613E-02
SOIL AIR    3.389E-02 3.422E-02 3.448E-02 3.476E-02 3.481E-02 3.490E-02 3.450E-02 3.438E-02 3.420E-02 3.383E-02 3.385E-02 3.399E-02

      SUBLAYER 10

MOISTURE    4.693E-02 4.680E-02 4.674E-02 4.698E-02 4.760E-02 4.817E-02 4.875E-02 4.903E-02 4.922E-02 4.944E-02 4.950E-02 4.954E-02
%SOLUBILITY 1.956E-02 1.950E-02 1.947E-02 1.957E-02 1.983E-02 2.007E-02 2.031E-02 2.043E-02 2.051E-02 2.060E-02 2.062E-02 2.064E-02
ADSORBED    1.589E-02 1.584E-02 1.582E-02 1.590E-02 1.611E-02 1.631E-02 1.650E-02 1.660E-02 1.666E-02 1.674E-02 1.676E-02 1.677E-02
SOIL AIR    3.404E-02 3.437E-02 3.466E-02 3.528E-02 3.568E-02 3.605E-02 3.578E-02 3.571E-02 3.555E-02 3.516E-02 3.518E-02 3.533E-02


POL DEP CM  1.802E+03 1.802E+03 1.803E+03 1.804E+03 1.805E+03 1.806E+03 1.807E+03 1.807E+03 1.807E+03 1.807E+03 1.807E+03 1.807E+03
1                YEAR -  2 ANNUAL SUMMARY REPORT
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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
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-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

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

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 8.346E-03
ADSORBED SOIL (UG/G) 2.825E-03
SOIL AIR (UG/ML) 6.106E-03

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 7.451E-02
ADSORBED SOIL (UG/G) 2.522E-02
SOIL AIR (UG/ML) 5.451E-02

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.890E+00
ADSORBED SOIL (UG/G) 1.317E+00
SOIL AIR (UG/ML) 2.842E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 7.139E-01
ADSORBED SOIL (UG/G) 2.417E-01
SOIL AIR (UG/ML) 5.209E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.449E-01
ADSORBED SOIL (UG/G) 4.907E-02
SOIL AIR (UG/ML) 1.057E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 5.604E-02
ADSORBED SOIL (UG/G) 1.897E-02
SOIL AIR (UG/ML) 4.092E-02

SUBLAYER 4

SOIL MOISTURE (UG/ML) 4.710E-02
ADSORBED SOIL (UG/G) 1.594E-02
SOIL AIR (UG/ML) 3.441E-02

SUBLAYER 5

SOIL MOISTURE (UG/ML) 4.648E-02
ADSORBED SOIL (UG/G) 1.573E-02
SOIL AIR (UG/ML) 3.396E-02

SUBLAYER 6

SOIL MOISTURE (UG/ML) 4.648E-02
ADSORBED SOIL (UG/G) 1.573E-02
SOIL AIR (UG/ML) 3.396E-02

SUBLAYER 7

SOIL MOISTURE (UG/ML) 4.655E-02
ADSORBED SOIL (UG/G) 1.576E-02
SOIL AIR (UG/ML) 3.402E-02

SUBLAYER 8

SOIL MOISTURE (UG/ML) 4.672E-02
ADSORBED SOIL (UG/G) 1.582E-02

SOIL AIR (UG/ML) 3.414E-02

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.696E-02
ADSORBED SOIL (UG/G) 1.590E-02
SOIL AIR (UG/ML) 3.432E-02

SUBLAYER 10

SOIL MOISTURE (UG/ML) 4.822E-02
ADSORBED SOIL (UG/G) 1.632E-02
SOIL AIR (UG/ML) 3.523E-02

MAX. POLL. DEPTH (M) 1.807E+01

1

YEAR - 3 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 3.255E+05 1.979E+05 1.136E+05 4.385E+04 1.902E+04 8.764E+03 5.375E+03 4.634E+03 4.350E+03 4.155E+03 3.928E+03 3.481E+03
DS ON SOIL 2.217E+06 1.223E+06 6.366E+05 2.039E+05 8.799E+04 4.216E+04 2.803E+04 2.597E+04 2.566E+04 2.550E+04 2.487E+04 2.285E+04
SOIL AIR 6.565E+05 3.533E+05 1.778E+05 5.206E+04 2.236E+04 1.095E+04 7.476E+03 7.123E+03 7.144E+03 7.114E+03 7.022E+03 6.564E+03

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI 3.726E+05 2.285E+05 1.318E+05 5.049E+04 2.175E+04 1.001E+04 6.137E+03 5.280E+03 4.952E+03 4.730E+03 4.475E+03 3.975E+03
ADS ON SOIL 2.538E+06 1.412E+06 7.384E+05 2.348E+05 1.006E+05 4.813E+04 3.200E+04 2.958E+04 2.920E+04 2.903E+04 2.834E+04 2.609E+04
IN SOIL AIR 7.515E+05 4.080E+05 2.063E+05 5.995E+04 2.556E+04 1.251E+04 8.535E+03 8.116E+03 8.131E+03 8.100E+03 8.001E+03 7.494E+03

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 1.609E+09 1.759E+09 1.925E+09 2.288E+09 2.290E+09 2.198E+09 2.036E+09 1.902E+09 1.813E+09 1.749E+09 1.697E+09 1.637E+09
ADS ON SOIL 1.096E+10 1.087E+10 1.079E+10 1.064E+10 1.059E+10 1.057E+10 1.062E+10 1.066E+10 1.069E+10 1.073E+10 1.075E+10 1.075E+10
IN SOIL AIR 3.245E+09 3.141E+09 3.014E+09 2.717E+09 2.692E+09 2.747E+09 2.832E+09 2.923E+09 2.977E+09 2.995E+09 3.034E+09 3.087E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 5.658E+07 6.526E+07 7.547E+07 9.838E+07 1.049E+08 1.058E+08 1.006E+08 9.446E+07 9.014E+07 8.702E+07 8.455E+07 8.196E+07
ADS ON SOIL 3.854E+08 4.033E+08 4.229E+08 4.574E+08 4.851E+08 5.089E+08 5.246E+08 5.293E+08 5.316E+08 5.341E+08 5.354E+08 5.379E+08
IN SOIL AIR 1.141E+08 1.165E+08 1.181E+08 1.168E+08 1.232E+08 1.322E+08 1.399E+08 1.452E+08 1.480E+08 1.490E+08 1.512E+08 1.545E+08

SUBLAYER 2

IN SOIL MOI 1.219E+07 1.453E+07 1.744E+07 2.444E+07 2.751E+07 2.903E+07 2.828E+07 2.669E+07 2.551E+07 2.464E+07 2.397E+07 2.334E+07
ADS ON SOIL 8.300E+07 8.979E+07 9.774E+07 1.136E+08 1.272E+08 1.396E+08 1.475E+08 1.496E+08 1.504E+08 1.512E+08 1.518E+08 1.532E+08
IN SOIL AIR 2.458E+07 2.594E+07 2.730E+07 2.902E+07 3.232E+07 3.628E+07 3.934E+07 4.104E+07 4.189E+07 4.219E+07 4.286E+07 4.401E+07

SUBLAYER 3

IN SOIL MOI 4.102E+06 4.698E+06 5.430E+06 7.221E+06 7.921E+06 8.242E+06 7.990E+06 7.536E+06 7.201E+06 6.954E+06 6.765E+06 6.581E+06
ADS ON SOIL 2.794E+07 2.903E+07 3.043E+07 3.357E+07 3.664E+07 3.965E+07 4.166E+07 4.223E+07 4.246E+07 4.269E+07 4.284E+07 4.319E+07
IN SOIL AIR 8.272E+06 8.387E+06 8.500E+06 8.573E+06 9.309E+06 1.030E+07 1.111E+07 1.159E+07 1.182E+07 1.191E+07 1.209E+07 1.241E+07

SUBLAYER 4

IN SOIL MOI 3.194E+06 3.530E+06 3.913E+06 4.781E+06 4.908E+06 4.825E+06 4.536E+06 4.250E+06 4.055E+06 3.913E+06 3.800E+06 3.677E+06
ADS ON SOIL 2.176E+07 2.182E+07 2.193E+07 2.223E+07 2.270E+07 2.321E+07 2.365E+07 2.382E+07 2.391E+07 2.402E+07 2.406E+07 2.413E+07
IN SOIL AIR 6.443E+06 6.302E+06 6.125E+06 5.677E+06 5.767E+06 6.032E+06 6.309E+06 6.533E+06 6.658E+06 6.700E+06 6.794E+06 6.932E+06

SUBLAYER 5

IN SOIL MOI 3.126E+06 3.436E+06 3.784E+06 4.548E+06 4.594E+06 4.445E+06 4.138E+06 3.868E+06 3.688E+06 3.558E+06 3.454E+06 3.336E+06
ADS ON SOIL 2.129E+07 2.124E+07 2.120E+07 2.114E+07 2.125E+07 2.138E+07 2.158E+07 2.167E+07 2.175E+07 2.184E+07 2.187E+07 2.189E+07
IN SOIL AIR 6.304E+06 6.135E+06 5.923E+06 5.399E+06 5.398E+06 5.556E+06 5.755E+06 5.946E+06 6.056E+06 6.093E+06 6.175E+06 6.289E+06

SUBLAYER 6

IN SOIL MOI 3.124E+06 3.433E+06 3.778E+06 4.535E+06 4.573E+06 4.417E+06 4.107E+06 3.838E+06 3.659E+06 3.531E+06 3.427E+06 3.309E+06
ADS ON SOIL 2.128E+07 2.122E+07 2.117E+07 2.108E+07 2.115E+07 2.125E+07 2.142E+07 2.151E+07 2.158E+07 2.167E+07 2.170E+07 2.172E+07
IN SOIL AIR 6.300E+06 6.129E+06 5.914E+06 5.384E+06 5.374E+06 5.521E+06 5.712E+06 5.900E+06 6.009E+06 6.046E+06 6.126E+06 6.238E+06

SUBLAYER 7

IN SOIL MOI 3.129E+06 3.439E+06 3.784E+06 4.541E+06 4.579E+06 4.422E+06 4.112E+06 3.842E+06 3.663E+06 3.534E+06 3.430E+06 3.312E+06
ADS ON SOIL 2.131E+07 2.125E+07 2.121E+07 2.111E+07 2.118E+07 2.127E+07 2.144E+07 2.153E+07 2.160E+07 2.169E+07 2.172E+07 2.174E+07
IN SOIL AIR 6.310E+06 6.139E+06 5.923E+06 5.392E+06 5.381E+06 5.528E+06 5.719E+06 5.907E+06 6.015E+06 6.052E+06 6.133E+06 6.245E+06

SUBLAYER 8

IN SOIL MOI 3.140E+06 3.451E+06 3.797E+06 4.557E+06 4.595E+06 4.437E+06 4.126E+06 3.855E+06 3.675E+06 3.546E+06 3.442E+06 3.323E+06
ADS ON SOIL 2.139E+07 2.133E+07 2.128E+07 2.119E+07 2.125E+07 2.135E+07 2.151E+07 2.160E+07 2.167E+07 2.177E+07 2.179E+07 2.181E+07
I SOIL AIR 6.333E+06 6.160E+06 5.944E+06 5.410E+06 5.399E+06 5.547E+06 5.738E+06 5.926E+06 6.035E+06 6.072E+06 6.154E+06 6.266E+06

SUBLAYER 9

IN SOIL MOI 3.156E+06 3.468E+06 3.817E+06 4.581E+06 4.619E+06 4.460E+06 4.147E+06 3.875E+06 3.694E+06 3.564E+06 3.459E+06 3.340E+06
ADS ON SOIL 2.150E+07 2.144E+07 2.139E+07 2.130E+07 2.136E+07 2.146E+07 2.162E+07 2.171E+07 2.179E+07 2.188E+07 2.191E+07 2.192E+07
IN SOIL AIR 6.365E+06 6.192E+06 5.975E+06 5.438E+06 5.427E+06 5.575E+06 5.768E+06 5.957E+06 6.066E+06 6.104E+06 6.185E+06 6.298E+06

SUBLAYER 10

IN SOIL MOI 3.281E+06 3.605E+06 3.970E+06 4.808E+06 4.894E+06 4.761E+06 4.444E+06 4.159E+06 3.968E+06 3.828E+06 3.715E+06 3.588E+06
ADS ON SOIL 2.235E+07 2.228E+07 2.225E+07 2.235E+07 2.264E+07 2.290E+07 2.317E+07 2.331E+07 2.340E+07 2.350E+07 2.353E+07 2.355E+07
IN SOIL AIR 6.617E+06 6.436E+06 6.215E+06 5.708E+06 5.751E+06 5.952E+06 6.181E+06 6.394E+06 6.515E+06 6.555E+06 6.643E+06 6.764E+06

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.479E-04 2.471E-04 1.286E-04 4.118E-05 1.778E-05 8.517E-06 5.662E-06 5.246E-06 5.183E-06 5.152E-06 5.024E-06 4.616E-06
%SOLUBILITY 1.866E-04 1.029E-04 5.358E-05 1.716E-05 7.407E-06 3.549E-06 2.359E-06 2.186E-06 2.159E-06 2.147E-06 2.094E-06 1.923E-06
ADSORBED 1.516E-04 8.364E-05 4.353E-05 1.394E-05 6.018E-06 2.883E-06 1.917E-06 1.776E-06 1.754E-06 1.744E-06 1.701E-06 1.563E-06
SOIL AIR 3.248E-04 1.815E-04 9.537E-05 3.093E-05 1.333E-05 6.373E-06 4.156E-06 3.820E-06 3.743E-06 3.664E-06 3.571E-06 3.292E-06

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.950E-03 2.198E-03 1.149E-03 3.653E-04 1.566E-04 7.490E-05 4.980E-05 4.604E-05 4.544E-05 4.518E-05 4.410E-05 4.060E-05
%SOLUBILITY 1.646E-03 9.158E-04 4.788E-04 1.522E-04 6.524E-05 3.121E-05 2.075E-05 1.918E-05 1.893E-05 1.883E-05 1.837E-05 1.692E-05
ADSORBED 1.337E-03 7.440E-04 3.890E-04 1.237E-04 5.301E-05 2.536E-05 1.686E-05 1.559E-05 1.538E-05 1.530E-05 1.493E-05 1.374E-05
SOIL AIR 2.864E-03 1.614E-03 8.521E-04 2.744E-04 1.174E-04 5.605E-05 3.655E-05 3.353E-05 3.282E-05 3.214E-05 3.135E-05 2.895E-05

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 3.919E+00 3.888E+00 3.858E+00 3.804E+00 3.789E+00 3.781E+00 3.797E+00 3.810E+00 3.823E+00 3.839E+00 3.843E+00 3.843E+00
%SOLUBILITY 1.633E+00 1.620E+00 1.608E+00 1.585E+00 1.579E+00 1.575E+00 1.582E+00 1.588E+00 1.593E+00 1.599E+00 1.601E+00 1.601E+00
ADSORBED 1.327E+00 1.316E+00 1.306E+00 1.288E+00 1.282E+00 1.280E+00 1.285E+00 1.290E+00 1.294E+00 1.299E+00 1.301E+00 1.301E+00
SOIL AIR 2.842E+00 2.856E+00 2.861E+00 2.857E+00 2.840E+00 2.829E+00 2.787E+00 2.775E+00 2.761E+00 2.730E+00 2.731E+00 2.741E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.528E-01 8.924E-01 9.357E-01 1.012E+00 1.073E+00 1.126E+00 1.161E+00 1.171E+00 1.176E+00 1.182E+00 1.185E+00 1.190E+00
%SOLUBILITY 3.553E-01 3.718E-01 3.899E-01 4.217E-01 4.472E-01 4.692E-01 4.837E-01 4.880E-01 4.901E-01 4.924E-01 4.936E-01 4.960E-01
ADSORBED 2.887E-01 3.021E-01 3.168E-01 3.426E-01 3.633E-01 3.812E-01 3.930E-01 3.965E-01 3.982E-01 4.001E-01 4.010E-01 4.029E-01
SOIL AIR 6.184E-01 6.554E-01 6.939E-01 7.601E-01 8.046E-01 8.426E-01 8.522E-01 8.530E-01 8.495E-01 8.406E-01 8.421E-01 8.489E-01

SUBLAYER 2

MOISTURE 1.837E-01 1.987E-01 2.163E-01 2.514E-01 2.815E-01 3.090E-01 3.263E-01 3.310E-01 3.328E-01 3.346E-01 3.359E-01 3.390E-01
%SOLUBILITY 7.652E-02 8.279E-02 9.011E-02 1.048E-01 1.173E-01 1.287E-01 1.360E-01 1.379E-01 1.387E-01 1.394E-01 1.400E-01 1.412E-01
ADSORBED 6.217E-02 6.726E-02 7.321E-02 8.511E-02 9.529E-02 1.046E-01 1.105E-01 1.120E-01 1.127E-01 1.133E-01 1.137E-01 1.147E-01
SOIL AIR 1.332E-01 1.459E-01 1.604E-01 1.888E-01 2.110E-01 2.312E-01 2.396E-01 2.411E-01 2.404E-01 2.380E-01 2.388E-01 2.418E-01

SUBLAYER 3

MOISTURE 6.182E-02 6.424E-02 6.733E-02 7.428E-02 8.107E-02 8.773E-02 9.219E-02 9.344E-02 9.396E-02 9.445E-02 9.479E-02 9.557E-02
%SOLUBILITY 2.576E-02 2.677E-02 2.805E-02 3.095E-02 3.378E-02 3.655E-02 3.841E-02 3.893E-02 3.915E-02 3.935E-02 3.949E-02 3.982E-02
ADSORBED 2.093E-02 2.175E-02 2.279E-02 2.515E-02 2.744E-02 2.970E-02 3.121E-02 3.163E-02 3.181E-02 3.197E-02 3.209E-02 3.235E-02
SOIL AIR 4.483E-02 4.718E-02 4.993E-02 5.579E-02 6.077E-02 6.564E-02 6.767E-02 6.806E-02 6.786E-02 6.718E-02 6.738E-02 6.816E-02

SUBLAYER 4

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MOISTURE    4.815E-02 4.827E-02 4.852E-02 4.919E-02 5.023E-02 5.136E-02 5.234E-02 5.270E-02 5.291E-02 5.315E-02 5.325E-02 5.340E-02
%SOLUBILITY 2.006E-02 2.011E-02 2.022E-02 2.049E-02 2.093E-02 2.140E-02 2.181E-02 2.196E-02 2.204E-02 2.214E-02 2.219E-02 2.225E-02
ADSORBED    1.630E-02 1.634E-02 1.642E-02 1.665E-02 1.700E-02 1.739E-02 1.772E-02 1.784E-02 1.791E-02 1.799E-02 1.802E-02 1.808E-02
SOIL AIR    3.491E-02 3.545E-02 3.598E-02 3.694E-02 3.765E-02 3.843E-02 3.842E-02 3.838E-02 3.821E-02 3.780E-02 3.785E-02 3.808E-02

      SUBLAYER  5

MOISTURE    4.711E-02 4.699E-02 4.692E-02 4.679E-02 4.701E-02 4.731E-02 4.774E-02 4.796E-02 4.812E-02 4.833E-02 4.839E-02 4.844E-02
%SOLUBILITY 1.963E-02 1.958E-02 1.955E-02 1.949E-02 1.959E-02 1.971E-02 1.989E-02 1.998E-02 2.005E-02 2.014E-02 2.016E-02 2.018E-02
ADSORBED    1.595E-02 1.591E-02 1.588E-02 1.584E-02 1.592E-02 1.602E-02 1.616E-02 1.623E-02 1.629E-02 1.636E-02 1.638E-02 1.640E-02
SOIL AIR    3.416E-02 3.451E-02 3.479E-02 3.514E-02 3.524E-02 3.540E-02 3.505E-02 3.493E-02 3.475E-02 3.438E-02 3.440E-02 3.455E-02

      SUBLAYER  6

MOISTURE    4.708E-02 4.695E-02 4.685E-02 4.665E-02 4.680E-02 4.702E-02 4.739E-02 4.759E-02 4.775E-02 4.795E-02 4.801E-02 4.805E-02
%SOLUBILITY 1.962E-02 1.956E-02 1.952E-02 1.944E-02 1.950E-02 1.959E-02 1.975E-02 1.983E-02 1.989E-02 1.998E-02 2.000E-02 2.002E-02
ADSORBED    1.594E-02 1.589E-02 1.586E-02 1.579E-02 1.584E-02 1.592E-02 1.604E-02 1.611E-02 1.616E-02 1.623E-02 1.625E-02 1.627E-02
SOIL AIR    3.414E-02 3.448E-02 3.474E-02 3.503E-02 3.508E-02 3.518E-02 3.479E-02 3.466E-02 3.448E-02 3.411E-02 3.413E-02 3.427E-02

      SUBLAYER  7

MOISTURE    4.716E-02 4.702E-02 4.692E-02 4.672E-02 4.686E-02 4.707E-02 4.744E-02 4.764E-02 4.780E-02 4.800E-02 4.806E-02 4.810E-02
%SOLUBILITY 1.965E-02 1.959E-02 1.955E-02 1.947E-02 1.953E-02 1.961E-02 1.977E-02 1.985E-02 1.992E-02 2.000E-02 2.003E-02 2.004E-02
ADSORBED    1.596E-02 1.592E-02 1.588E-02 1.581E-02 1.586E-02 1.594E-02 1.606E-02 1.613E-02 1.618E-02 1.625E-02 1.627E-02 1.628E-02
SOIL AIR    3.420E-02 3.454E-02 3.480E-02 3.509E-02 3.513E-02 3.522E-02 3.483E-02 3.470E-02 3.452E-02 3.414E-02 3.416E-02 3.431E-02

      SUBLAYER  8

MOISTURE    4.732E-02 4.719E-02 4.708E-02 4.688E-02 4.702E-02 4.723E-02 4.760E-02 4.780E-02 4.796E-02 4.817E-02 4.822E-02 4.826E-02
%SOLUBILITY 1.972E-02 1.966E-02 1.962E-02 1.953E-02 1.959E-02 1.968E-02 1.983E-02 1.992E-02 1.998E-02 2.007E-02 2.009E-02 2.011E-02
ADSORBED    1.602E-02 1.597E-02 1.594E-02 1.587E-02 1.592E-02 1.599E-02 1.611E-02 1.618E-02 1.624E-02 1.630E-02 1.633E-02 1.634E-02
SOIL AIR    3.432E-02 3.466E-02 3.492E-02 3.521E-02 3.525E-02 3.534E-02 3.494E-02 3.481E-02 3.464E-02 3.426E-02 3.428E-02 3.442E-02

      SUBLAYER  9

MOISTURE    4.757E-02 4.743E-02 4.733E-02 4.712E-02 4.727E-02 4.748E-02 4.785E-02 4.805E-02 4.821E-02 4.841E-02 4.847E-02 4.851E-02
%SOLUBILITY 1.982E-02 1.976E-02 1.972E-02 1.963E-02 1.969E-02 1.978E-02 1.994E-02 2.002E-02 2.009E-02 2.017E-02 2.020E-02 2.021E-02
ADSORBED    1.610E-02 1.606E-02 1.602E-02 1.595E-02 1.600E-02 1.607E-02 1.620E-02 1.626E-02 1.632E-02 1.639E-02 1.641E-02 1.642E-02
SOIL AIR    3.450E-02 3.484E-02 3.510E-02 3.539E-02 3.543E-02 3.553E-02 3.512E-02 3.499E-02 3.482E-02 3.443E-02 3.446E-02 3.460E-02

      SUBLAYER 10

MOISTURE    4.945E-02 4.930E-02 4.923E-02 4.946E-02 5.009E-02 5.068E-02 5.127E-02 5.157E-02 5.177E-02 5.200E-02 5.206E-02 5.210E-02
%SOLUBILITY 2.060E-02 2.054E-02 2.051E-02 2.061E-02 2.087E-02 2.112E-02 2.136E-02 2.149E-02 2.157E-02 2.166E-02 2.169E-02 2.171E-02
ADSORBED    1.674E-02 1.669E-02 1.666E-02 1.674E-02 1.696E-02 1.716E-02 1.736E-02 1.746E-02 1.753E-02 1.760E-02 1.762E-02 1.764E-02
SOIL AIR    3.586E-02 3.621E-02 3.651E-02 3.714E-02 3.755E-02 3.792E-02 3.764E-02 3.756E-02 3.739E-02 3.698E-02 3.700E-02 3.716E-02


POL DEP CM  1.807E+03 1.808E+03 1.808E+03 1.810E+03 1.811E+03 1.812E+03 1.812E+03 1.813E+03 1.813E+03 1.813E+03 1.813E+03 1.813E+03
1                YEAR -  3 ANNUAL SUMMARY REPORT
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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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)      8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                  25.841
TOTAL EVAPOTRANSPIRATION (CM)            24.575
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TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

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

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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 7.683E-05
ADSORBED SOIL (UG/G) 2.601E-05
SOIL AIR (UG/ML) 5.621E-05

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 6.804E-04
ADSORBED SOIL (UG/G) 2.303E-04
SOIL AIR (UG/ML) 4.978E-04

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.833E+00
ADSORBED SOIL (UG/G) 1.297E+00
SOIL AIR (UG/ML) 2.801E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.080E+00
ADSORBED SOIL (UG/G) 3.655E-01
SOIL AIR (UG/ML) 7.885E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 2.867E-01
ADSORBED SOIL (UG/G) 9.705E-02
SOIL AIR (UG/ML) 2.092E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 8.341E-02
ADSORBED SOIL (UG/G) 2.823E-02
SOIL AIR (UG/ML) 6.087E-02

SUBLAYER 4

SOIL MOISTURE (UG/ML) 5.112E-02
ADSORBED SOIL (UG/G) 1.731E-02
SOIL AIR (UG/ML) 3.734E-02

SUBLAYER 5

SOIL MOISTURE (UG/ML) 4.759E-02
ADSORBED SOIL (UG/G) 1.611E-02
SOIL AIR (UG/ML) 3.478E-02

SUBLAYER 6

SOIL MOISTURE (UG/ML) 4.734E-02
ADSORBED SOIL (UG/G) 1.603E-02
SOIL AIR (UG/ML) 3.459E-02

SUBLAYER 7

SOIL MOISTURE (UG/ML) 4.740E-02
ADSORBED SOIL (UG/G) 1.605E-02
SOIL AIR (UG/ML) 3.464E-02

SUBLAYER 8

SOIL MOISTURE (UG/ML) 4.756E-02
ADSORBED SOIL (UG/G) 1.610E-02
SOIL AIR (UG/ML) 3.475E-02

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.781E-02
ADSORBED SOIL (UG/G) 1.618E-02
SOIL AIR (UG/ML) 3.493E-02

SUBLAYER 10

SOIL MOISTURE (UG/ML) 5.075E-02
ADSORBED SOIL (UG/G) 1.718E-02
SOIL AIR (UG/ML) 3.708E-02

MAX. POLL. DEPTH (M) 1.813E+01

1

YEAR - 4 MONTHLY RESULTS (OUTPUT)
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-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.995E+03	1.821E+03	1.045E+03	4.032E+02	1.748E+02	8.026E+01	4.908E+01	4.198E+01	3.917E+01	3.774E+01	3.545E+01	3.130E+01
ADS ON SOIL	2.040E+04	1.125E+04	5.856E+03	1.874E+03	8.084E+02	3.861E+02	2.559E+02	2.352E+02	2.310E+02	2.317E+02	2.245E+02	2.054E+02
IN SOIL AIR	6.041E+03	3.250E+03	1.636E+03	4.787E+02	2.054E+02	1.003E+02	6.826E+01	6.453E+01	6.432E+01	6.463E+01	6.338E+01	5.901E+01

SOIL ZONE 2:

SUBLAYER 1

SOIL MOI 3.428E+03 2.102E+03 1.212E+03 4.643E+02 1.998E+02 9.166E+01 5.596E+01 4.795E+01 4.489E+01 4.324E+01 4.055E+01 3.623E+01
S ON SOIL 2.335E+04 1.299E+04 6.792E+03 2.158E+03 9.241E+02 4.410E+02 2.918E+02 2.687E+02 2.648E+02 2.654E+02 2.568E+02 2.378E+02
IN SOIL AIR 6.914E+03 3.753E+03 1.897E+03 5.512E+02 2.348E+02 1.146E+02 7.783E+01 7.371E+01 7.372E+01 7.404E+01 7.250E+01 6.830E+01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 1.573E+09 1.720E+09 1.882E+09 2.237E+09 2.239E+09 2.148E+09 1.990E+09 1.859E+09 1.772E+09 1.709E+09 1.659E+09 1.600E+09
ADS ON SOIL 1.072E+10 1.063E+10 1.055E+10 1.040E+10 1.036E+10 1.033E+10 1.038E+10 1.041E+10 1.045E+10 1.049E+10 1.050E+10 1.050E+10
IN SOIL AIR 3.173E+09 3.071E+09 2.946E+09 2.655E+09 2.631E+09 2.685E+09 2.768E+09 2.857E+09 2.909E+09 2.927E+09 2.965E+09 3.017E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 7.923E+07 8.942E+07 1.012E+08 1.274E+08 1.327E+08 1.316E+08 1.240E+08 1.162E+08 1.109E+08 1.070E+08 1.039E+08 1.006E+08
ADS ON SOIL 5.397E+08 5.526E+08 5.670E+08 5.922E+08 6.139E+08 6.330E+08 6.468E+08 6.513E+08 6.539E+08 6.569E+08 6.581E+08 6.602E+08
IN SOIL AIR 1.598E+08 1.596E+08 1.584E+08 1.512E+08 1.560E+08 1.645E+08 1.725E+08 1.787E+08 1.821E+08 1.832E+08 1.858E+08 1.897E+08

SUBLAYER 2

IN SOIL MOI 2.269E+07 2.637E+07 3.080E+07 4.113E+07 4.477E+07 4.601E+07 4.421E+07 4.161E+07 3.973E+07 3.636E+07 3.730E+07 3.623E+07
ADS ON SOIL 1.546E+08 1.630E+08 1.726E+08 1.912E+08 2.071E+08 2.213E+08 2.306E+08 2.332E+08 2.343E+08 2.355E+08 2.362E+08 2.378E+08
IN SOIL AIR 4.577E+07 4.708E+07 4.822E+07 4.884E+07 5.261E+07 5.751E+07 6.149E+07 6.396E+07 6.524E+07 6.569E+07 6.669E+07 6.831E+07

SUBLAYER 3

IN SOIL MOI 6.392E+06 7.399E+06 8.633E+06 1.161E+07 1.278E+07 1.329E+07 1.266E+07 1.213E+07 1.159E+07 1.119E+07 1.088E+07 1.058E+07
ADS ON SOIL 4.354E+07 4.573E+07 4.838E+07 5.398E+07 5.909E+07 6.391E+07 6.707E+07 6.796E+07 6.833E+07 6.868E+07 6.892E+07 6.946E+07
IN SOIL AIR 1.289E+07 1.321E+07 1.351E+07 1.378E+07 1.501E+07 1.661E+07 1.789E+07 1.864E+07 1.903E+07 1.916E+07 1.946E+07 1.995E+07

SUBLAYER 4

SOIL MOI 3.546E+06 3.955E+06 4.433E+06 5.543E+06 5.796E+06 5.790E+06 5.491E+06 5.155E+06 4.920E+06 4.749E+06 4.614E+06 4.471E+06
ADS ON SOIL 2.415E+07 2.445E+07 2.484E+07 2.577E+07 2.681E+07 2.785E+07 2.863E+07 2.889E+07 2.902E+07 2.915E+07 2.922E+07 2.935E+07
IN SOIL AIR 7.151E+06 7.062E+06 6.939E+06 6.581E+06 6.811E+06 7.238E+06 7.637E+06 7.925E+06 8.080E+06 8.133E+06 8.250E+06 8.430E+06

SUBLAYER 5

IN SOIL MOI 3.209E+06 3.533E+06 3.897E+06 4.703E+06 4.769E+06 4.632E+06 4.322E+06 4.042E+06 3.855E+06 3.719E+06 3.611E+06 3.489E+06
ADS ON SOIL 2.186E+07 2.184E+07 2.184E+07 2.187E+07 2.206E+07 2.228E+07 2.254E+07 2.265E+07 2.273E+07 2.283E+07 2.286E+07 2.290E+07
IN SOIL AIR 6.473E+06 6.308E+06 6.100E+06 5.584E+06 5.605E+06 5.790E+06 6.011E+06 6.214E+06 6.330E+06 6.369E+06 6.455E+06 6.577E+06

SUBLAYER 6

IN SOIL MOI 3.183E+06 3.498E+06 3.850E+06 4.623E+06 4.664E+06 4.507E+06 4.192E+06 3.917E+06 3.735E+06 3.604E+06 3.497E+06 3.377E+06
ADS ON SOIL 2.168E+07 2.162E+07 2.158E+07 2.149E+07 2.157E+07 2.168E+07 2.186E+07 2.195E+07 2.203E+07 2.212E+07 2.215E+07 2.217E+07
IN SOIL AIR 6.419E+06 6.245E+06 6.027E+06 5.488E+06 5.481E+06 5.633E+06 5.830E+06 6.022E+06 6.133E+06 6.171E+06 6.253E+06 6.368E+06

SUBLAYER 7

IN SOIL MOI 3.186E+06 3.501E+06 3.853E+06 4.624E+06 4.663E+06 4.503E+06 4.167E+06 3.913E+06 3.730E+06 3.599E+06 3.493E+06 3.373E+06
ADS ON SOIL 2.170E+07 2.164E+07 2.159E+07 2.150E+07 2.157E+07 2.166E+07 2.183E+07 2.193E+07 2.200E+07 2.209E+07 2.212E+07 2.214E+07
IN SOIL AIR 6.425E+06 6.251E+06 6.031E+06 5.490E+06 5.479E+06 5.629E+06 5.824E+06 6.015E+06 6.126E+06 6.163E+06 6.245E+06 6.359E+06

SUBLAYER 8

IN SOIL MOI 3.197E+06 3.513E+06 3.866E+06 4.639E+06 4.678E+06 4.517E+06 4.200E+06 3.925E+06 3.742E+06 3.610E+06 3.504E+06 3.383E+06
ADS ON SOIL 2.177E+07 2.171E+07 2.166E+07 2.157E+07 2.164E+07 2.173E+07 2.190E+07 2.199E+07 2.207E+07 2.216E+07 2.219E+07 2.221E+07
IN SOIL AIR 6.447E+06 6.272E+06 6.051E+06 5.508E+06 5.497E+06 5.647E+06 5.842E+06 6.033E+06 6.144E+06 6.182E+06 6.265E+06 6.379E+06

SUBLAYER 9

IN SOIL MOI 3.213E+06 3.531E+06 3.886E+06 4.663E+06 4.702E+06 4.540E+06 4.222E+06 3.945E+06 3.761E+06 3.629E+06 3.522E+06 3.401E+06
ADS ON SOIL 2.188E+07 2.182E+07 2.177E+07 2.168E+07 2.175E+07 2.184E+07 2.201E+07 2.210E+07 2.218E+07 2.227E+07 2.230E+07 2.232E+07
IN SOIL AIR 6.480E+06 6.304E+06 6.082E+06 5.536E+06 5.525E+06 5.675E+06 5.871E+06 6.064E+06 6.176E+06 6.213E+06 6.296E+06 6.411E+06

SUBLAYER 10

IN SOIL MOI 3.451E+06 3.791E+06 4.175E+06 5.053E+06 5.142E+06 5.001E+06 4.667E+06 4.368E+06 4.166E+06 4.020E+06 3.901E+06 3.767E+06
ADS ON SOIL 2.350E+07 2.343E+07 2.339E+07 2.349E+07 2.378E+07 2.406E+07 2.434E+07 2.448E+07 2.457E+07 2.468E+07 2.471E+07 2.473E+07
IN SOIL AIR 6.959E+06 6.769E+06 6.535E+06 5.999E+06 6.043E+06 6.251E+06 6.491E+06 6.714E+06 6.842E+06 6.884E+06 6.976E+06 7.102E+06

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.121E-06 2.273E-06 1.183E-06 3.787E-07 1.633E-07 7.800E-08 5.170E-08 4.752E-08 4.666E-08 4.680E-08 4.535E-08 4.150E-08
%SOLUBILITY 1.717E-06 9.471E-07 4.929E-07 1.578E-07 6.804E-08 3.250E-08 2.154E-08 1.980E-08 1.944E-08 1.950E-08 1.890E-08 1.729E-08
ADSORBED 1.395E-06 7.695E-07 4.005E-07 1.282E-07 5.528E-08 2.640E-08 1.750E-08 1.609E-08 1.580E-08 1.584E-08 1.535E-08 1.405E-08
SOIL AIR 2.989E-06 1.669E-06 8.773E-07 2.844E-07 1.224E-07 5.837E-08 3.795E-08 3.461E-08 3.370E-08 3.329E-08 3.224E-08 2.960E-08

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.634E-05 2.022E-05 1.057E-05 3.359E-06 1.438E-06 6.862E-07 4.541E-07 4.181E-07 4.120E-07 4.130E-07 3.996E-07 3.700E-07
%SOLUBILITY 1.514E-05 8.425E-06 4.404E-06 1.400E-06 5.992E-07 2.859E-07 1.892E-07 1.742E-07 1.717E-07 1.721E-07 1.665E-07 1.542E-07
ADSORBED 1.230E-05 6.845E-06 3.578E-06 1.137E-06 4.868E-07 2.323E-07 1.537E-07 1.415E-07 1.395E-07 1.398E-07 1.353E-07 1.253E-07
SOIL AIR 2.635E-05 1.485E-05 7.838E-06 2.523E-06 1.078E-06 5.135E-07 3.333E-07 3.045E-07 2.976E-07 2.938E-07 2.840E-07 2.639E-07

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 3.832E+00 3.802E+00 3.772E+00 3.718E+00 3.703E+00 3.696E+00 3.711E+00 3.724E+00 3.736E+00 3.752E+00 3.756E+00 3.756E+00
%SOLUBILITY 1.597E+00 1.584E+00 1.572E+00 1.549E+00 1.543E+00 1.540E+00 1.546E+00 1.552E+00 1.557E+00 1.563E+00 1.565E+00 1.565E+00
ADSORBED 1.297E+00 1.287E+00 1.277E+00 1.259E+00 1.254E+00 1.251E+00 1.256E+00 1.261E+00 1.265E+00 1.270E+00 1.271E+00 1.272E+00
SOIL AIR 2.779E+00 2.792E+00 2.797E+00 2.793E+00 2.776E+00 2.766E+00 2.725E+00 2.713E+00 2.698E+00 2.669E+00 2.670E+00 2.679E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.194E+00 1.223E+00 1.255E+00 1.310E+00 1.358E+00 1.401E+00 1.431E+00 1.441E+00 1.447E+00 1.453E+00 1.456E+00 1.461E+00
%SOLUBILITY 4.975E-01 5.095E-01 5.228E-01 5.460E-01 5.660E-01 5.836E-01 5.963E-01 6.005E-01 6.028E-01 6.056E-01 6.068E-01 6.087E-01
ADSORBED 4.042E-01 4.139E-01 4.247E-01 4.436E-01 4.598E-01 4.741E-01 4.845E-01 4.879E-01 4.898E-01 4.920E-01 4.930E-01 4.945E-01
SOIL AIR 8.659E-01 8.981E-01 9.305E-01 9.840E-01 1.018E+00 1.048E+00 1.051E+00 1.050E+00 1.045E+00 1.034E+00 1.035E+00 1.042E+00

SUBLAYER 2

MOISTURE 3.420E-01 3.606E-01 3.819E-01 4.232E-01 4.582E-01 4.897E-01 5.101E-01 5.159E-01 5.185E-01 5.211E-01 5.226E-01 5.262E-01
%SOLUBILITY 1.425E-01 1.503E-01 1.591E-01 1.763E-01 1.909E-01 2.040E-01 2.126E-01 2.150E-01 2.160E-01 2.171E-01 2.178E-01 2.192E-01
ADSORBED 1.158E-01 1.221E-01 1.293E-01 1.432E-01 1.551E-01 1.658E-01 1.727E-01 1.746E-01 1.755E-01 1.764E-01 1.769E-01 1.781E-01
SOIL AIR 2.480E-01 2.649E-01 2.832E-01 3.178E-01 3.435E-01 3.664E-01 3.745E-01 3.757E-01 3.744E-01 3.706E-01 3.715E-01 3.753E-01

SUBLAYER 3

MOISTURE 9.634E-02 1.012E-01 1.070E-01 1.194E-01 1.308E-01 1.414E-01 1.484E-01 1.504E-01 1.512E-01 1.520E-01 1.525E-01 1.537E-01
%SOLUBILITY 4.014E-02 4.216E-02 4.460E-02 4.976E-02 5.448E-02 5.892E-02 6.184E-02 6.265E-02 6.299E-02 6.332E-02 6.354E-02 6.404E-02
ADSORBED 3.261E-02 3.425E-02 3.624E-02 4.043E-02 4.426E-02 4.787E-02 5.024E-02 5.090E-02 5.118E-02 5.144E-02 5.162E-02 5.203E-02
SOIL AIR 6.986E-02 7.432E-02 7.938E-02 8.969E-02 9.802E-02 1.058E-01 1.089E-01 1.095E-01 1.092E-01 1.081E-01 1.084E-01 1.096E-01

SUBLAYER 4

MOISTURE 5.344E-02 5.409E-02 5.497E-02 5.702E-02 5.932E-02 6.163E-02 6.336E-02 6.392E-02 6.420E-02 6.451E-02 6.466E-02 6.493E-02
%SOLUBILITY 2.227E-02 2.254E-02 2.290E-02 2.376E-02 2.472E-02 2.568E-02 2.640E-02 2.663E-02 2.675E-02 2.688E-02 2.694E-02 2.706E-02
ADSORBED 1.809E-02 1.831E-02 1.861E-02 1.930E-02 2.008E-02 2.086E-02 2.145E-02 2.164E-02 2.173E-02 2.164E-02 2.189E-02 2.198E-02
SOIL AIR 3.875E-02 3.973E-02 4.076E-02 4.282E-02 4.447E-02 4.612E-02 4.651E-02 4.655E-02 4.637E-02 4.588E-02 4.596E-02 4.631E-02

SUBLAYER 5

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MOISTURE    4.837E-02 4.831E-02 4.832E-02 4.838E-02 4.881E-02 4.931E-02 4.987E-02 5.012E-02 5.030E-02 5.052E-02 5.059E-02 5.066E-02
%SOLUBILITY 2.015E-02 2.013E-02 2.013E-02 2.016E-02 2.034E-02 2.054E-02 2.078E-02 2.088E-02 2.096E-02 2.105E-02 2.108E-02 2.111E-02
ADSORBED    1.637E-02 1.636E-02 1.636E-02 1.638E-02 1.652E-02 1.669E-02 1.688E-02 1.697E-02 1.703E-02 1.710E-02 1.713E-02 1.715E-02
SOIL AIR    3.508E-02 3.548E-02 3.583E-02 3.634E-02 3.659E-02 3.690E-02 3.661E-02 3.650E-02 3.633E-02 3.593E-02 3.596E-02 3.613E-02

      SUBLAYER  6

MOISTURE    4.797E-02 4.784E-02 4.774E-02 4.756E-02 4.773E-02 4.797E-02 4.837E-02 4.857E-02 4.873E-02 4.895E-02 4.901E-02 4.905E-02
%SOLUBILITY 1.999E-02 1.993E-02 1.989E-02 1.982E-02 1.989E-02 1.999E-02 2.015E-02 2.024E-02 2.031E-02 2.039E-02 2.042E-02 2.044E-02
ADSORBED    1.624E-02 1.619E-02 1.616E-02 1.610E-02 1.616E-02 1.624E-02 1.637E-02 1.644E-02 1.650E-02 1.657E-02 1.659E-02 1.660E-02
SOIL AIR    3.478E-02 3.513E-02 3.540E-02 3.572E-02 3.578E-02 3.590E-02 3.550E-02 3.538E-02 3.520E-02 3.481E-02 3.483E-02 3.498E-02

      SUBLAYER  7

MOISTURE    4.802E-02 4.788E-02 4.778E-02 4.757E-02 4.772E-02 4.794E-02 4.831E-02 4.851E-02 4.868E-02 4.888E-02 4.895E-02 4.898E-02
%SOLUBILITY 2.001E-02 1.995E-02 1.991E-02 1.982E-02 1.988E-02 1.997E-02 2.013E-02 2.021E-02 2.028E-02 2.037E-02 2.039E-02 2.041E-02
ADSORBED    1.625E-02 1.621E-02 1.617E-02 1.610E-02 1.615E-02 1.623E-02 1.635E-02 1.642E-02 1.648E-02 1.655E-02 1.657E-02 1.658E-02
SOIL AIR    3.482E-02 3.516E-02 3.543E-02 3.573E-02 3.577E-02 3.587E-02 3.547E-02 3.533E-02 3.515E-02 3.477E-02 3.479E-02 3.494E-02

      SUBLAYER  8

MOISTURE    4.818E-02 4.804E-02 4.793E-02 4.772E-02 4.787E-02 4.809E-02 4.846E-02 4.866E-02 4.882E-02 4.904E-02 4.910E-02 4.914E-02
%SOLUBILITY 2.007E-02 2.002E-02 1.997E-02 1.989E-02 1.995E-02 2.004E-02 2.019E-02 2.028E-02 2.034E-02 2.043E-02 2.046E-02 2.047E-02
ADSORBED    1.631E-02 1.626E-02 1.623E-02 1.616E-02 1.621E-02 1.628E-02 1.641E-02 1.647E-02 1.653E-02 1.660E-02 1.662E-02 1.663E-02
SOIL AIR    3.494E-02 3.528E-02 3.555E-02 3.584E-02 3.589E-02 3.598E-02 3.557E-02 3.544E-02 3.526E-02 3.488E-02 3.490E-02 3.504E-02

      SUBLAYER  9

MOISTURE    4.842E-02 4.829E-02 4.818E-02 4.797E-02 4.812E-02 4.833E-02 4.871E-02 4.891E-02 4.907E-02 4.928E-02 4.934E-02 4.938E-02
%SOLUBILITY 2.018E-02 2.012E-02 2.007E-02 1.999E-02 2.005E-02 2.014E-02 2.029E-02 2.038E-02 2.045E-02 2.053E-02 2.056E-02 2.058E-02
ADSORBED    1.639E-02 1.635E-02 1.631E-02 1.624E-02 1.629E-02 1.636E-02 1.649E-02 1.656E-02 1.661E-02 1.668E-02 1.670E-02 1.672E-02
SOIL AIR    3.512E-02 3.546E-02 3.573E-02 3.602E-02 3.607E-02 3.616E-02 3.576E-02 3.562E-02 3.544E-02 3.505E-02 3.507E-02 3.522E-02

      SUBLAYER 10

MOISTURE    5.200E-02 5.185E-02 5.177E-02 5.199E-02 5.263E-02 5.323E-02 5.385E-02 5.416E-02 5.437E-02 5.460E-02 5.467E-02 5.471E-02
%SOLUBILITY 2.167E-02 2.160E-02 2.157E-02 2.166E-02 2.193E-02 2.218E-02 2.244E-02 2.256E-02 2.265E-02 2.275E-02 2.278E-02 2.280E-02
ADSORBED    1.760E-02 1.755E-02 1.752E-02 1.760E-02 1.782E-02 1.802E-02 1.823E-02 1.833E-02 1.840E-02 1.848E-02 1.851E-02 1.852E-02
SOIL AIR    3.771E-02 3.808E-02 3.839E-02 3.904E-02 3.945E-02 3.983E-02 3.953E-02 3.944E-02 3.927E-02 3.884E-02 3.886E-02 3.902E-02


POL DEP CM  1.813E+03 1.813E+03 1.814E+03 1.815E+03 1.816E+03 1.817E+03 1.818E+03 1.818E+03 1.818E+03 1.818E+03 1.818E+03 1.818E+03
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 (%)          8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)    8.992
TOTAL PRECIPITATION (CM)                  32.338
TOTAL INFILTRATION (CM)                   25.841
TOTAL EVAPOTRANSPIRATION (CM)             24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                     1.265
TOTAL MOISTURE RETENTION (CM)             0.001
TOTAL YIELD (CM)                          7.763
0       -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED
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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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

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

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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 7.064E-07
ADSORBED SOIL (UG/G) 2.391E-07
SOIL AIR (UG/ML) 5.168E-07

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 6.256E-06
ADSORBED SOIL (UG/G) 2.118E-06
SOIL AIR (UG/ML) 4.578E-06

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.747E+00
ADSORBED SOIL (UG/G) 1.268E+00
SOIL AIR (UG/ML) 2.738E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.369E+00
ADSORBED SOIL (UG/G) 4.635E-01
SOIL AIR (UG/ML) 1.000E+00

SUBLAYER 2

SOIL MOISTURE (UG/ML) 4.642E-01
ADSORBED SOIL (UG/G) 1.571E-01
SOIL AIR (UG/ML) 3.388E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 1.337E-01
ADSORBED SOIL (UG/G) 4.526E-02
SOIL AIR (UG/ML) 9.757E-02

SUBLAYER 4

SOIL MOISTURE (UG/ML) 6.050E-02
ADSORBED SOIL (UG/G) 2.048E-02
SOIL AIR (UG/ML) 4.419E-02

SUBLAYER 5

SOIL MOISTURE (UG/ML) 4.946E-02
ADSORBED SOIL (UG/G) 1.674E-02
SOIL AIR (UG/ML) 3.614E-02

SUBLAYER 6

SOIL MOISTURE (UG/ML) 4.829E-02
ADSORBED SOIL (UG/G) 1.635E-02
SOIL AIR (UG/ML) 3.529E-02

SUBLAYER 7

SOIL MOISTURE (UG/ML) 4.827E-02
ADSORBED SOIL (UG/G) 1.634E-02
SOIL AIR (UG/ML) 3.527E-02

SUBLAYER 8

SOIL MOISTURE (UG/ML) 4.842E-02
ADSORBED SOIL (UG/G) 1.639E-02
SOIL AIR (UG/ML) 3.538E-02

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.867E-02
ADSORBED SOIL (UG/G) 1.647E-02
SOIL AIR (UG/ML) 3.556E-02

SUBLAYER 10

SOIL MOISTURE (UG/ML) 5.332E-02
ADSORBED SOIL (UG/G) 1.805E-02
SOIL AIR (UG/ML) 3.895E-02

MAX. POLL. DEPTH (M) 1.818E+01

1

YEAR - 5 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.674E+01	1.610E+01	9.028E+00	3.301E+00	1.177E+00	7.203E-01	6.645E-01	6.184E-01	5.876E-01	5.645E-01	5.472E-01	5.280E-01
ADS ON SOIL	1.822E+02	9.950E+01	5.059E+01	1.535E+01	5.445E+00	3.465E+00	3.465E+00	3.465E+00	3.465E+00	3.465E+00	3.465E+00	3.465E+00
IN SOIL AIR	5.394E+01	2.874E+01	1.413E+01	3.919E+00	1.383E+00	9.004E-01	9.242E-01	9.506E-01	9.649E-01	9.666E-01	9.783E-01	9.954E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	3.110E+01	1.882E+01	1.057E+01	3.870E+00	1.473E+00	8.015E-01	7.394E-01	6.880E-01	6.538E-01	6.281E-01	6.089E-01	5.875E-01
ADS ON SOIL	2.119E+02	1.163E+02	5.925E+01	1.799E+01	6.812E+00	3.856E+00	3.856E+00	3.856E+00	3.856E+00	3.856E+00	3.856E+00	3.856E+00
IN SOIL AIR	6.273E+01	3.360E+01	1.655E+01	4.595E+00	1.731E+00	1.002E+00	1.028E+00	1.058E+00	1.074E+00	1.076E+00	1.089E+00	1.108E+00

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 1.538E+09 1.681E+09 1.840E+09 2.186E+09 2.188E+09 2.100E+09 1.945E+09 1.817E+09 1.732E+09 1.671E+09 1.621E+09 1.564E+09
ADS ON SOIL 1.047E+10 1.039E+10 1.031E+10 1.016E+10 1.012E+10 1.010E+10 1.014E+10 1.018E+10 1.021E+10 1.026E+10 1.027E+10 1.027E+10
IN SOIL AIR 3.101E+09 3.002E+09 2.880E+09 2.595E+09 2.571E+09 2.625E+09 2.706E+09 2.793E+09 2.844E+09 2.861E+09 2.898E+09 2.949E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 9.705E+07 1.084E+08 1.214E+08 1.501E+08 1.545E+08 1.517E+08 1.423E+08 1.332E+08 1.270E+08 1.226E+08 1.190E+08 1.151E+08
ADS ON SOIL 6.610E+08 6.700E+08 6.802E+08 6.977E+08 7.146E+08 7.298E+08 7.420E+08 7.464E+08 7.492E+08 7.525E+08 7.538E+08 7.555E+08
IN SOIL AIR 1.957E+08 1.935E+08 1.900E+08 1.782E+08 1.816E+08 1.896E+08 1.979E+08 2.048E+08 2.086E+08 2.099E+08 2.128E+08 2.170E+08

SUBLAYER 2

IN SOIL MOI 3.511E+07 4.015E+07 4.610E+07 5.973E+07 6.366E+07 6.432E+07 6.127E+07 5.755E+07 5.493E+07 5.303E+07 5.153E+07 4.998E+07
ADS ON SOIL 2.392E+08 2.481E+08 2.583E+08 2.777E+08 2.944E+08 3.094E+08 3.195E+08 3.225E+08 3.239E+08 3.255E+08 3.263E+08 3.280E+08
IN SOIL AIR 7.082E+07 7.168E+07 7.216E+07 7.092E+07 7.480E+07 8.040E+07 8.521E+07 8.847E+07 9.020E+07 9.080E+07 9.214E+07 9.422E+07

SUBLAYER 3

IN SOIL MOI 1.027E+07 1.186E+07 1.377E+07 1.831E+07 1.994E+07 2.054E+07 1.978E+07 1.862E+07 1.779E+07 1.717E+07 1.670E+07 1.622E+07
ADS ON SOIL 6.998E+07 7.327E+07 7.716E+07 8.512E+07 9.224E+07 9.880E+07 1.031E+08 1.043E+08 1.049E+08 1.054E+08 1.057E+08 1.065E+08
IN SOIL AIR 2.072E+07 2.117E+07 2.155E+07 2.174E+07 2.343E+07 2.567E+07 2.750E+07 2.863E+07 2.921E+07 2.941E+07 2.986E+07 3.059E+07

SUBLAYER 4

IN SOIL MOI 4.321E+06 4.868E+06 5.517E+06 7.046E+06 7.481E+06 7.563E+06 7.217E+06 6.784E+06 6.477E+06 6.253E+06 6.077E+06 5.895E+06
ADS ON SOIL 2.943E+07 3.009E+07 3.092E+07 3.276E+07 3.460E+07 3.638E+07 3.763E+07 3.802E+07 3.820E+07 3.838E+07 3.848E+07 3.869E+07
IN SOIL AIR 8.714E+06 8.692E+06 8.636E+06 8.366E+06 8.791E+06 9.454E+06 1.004E+07 1.043E+07 1.064E+07 1.071E+07 1.087E+07 1.111E+07

SUBLAYER 5

SOIL MOI 3.358E+06 3.707E+06 4.103E+06 4.992E+06 5.097E+06 4.982E+06 4.666E+06 4.367E+06 4.165E+06 4.020E+06 3.903E+06 3.773E+06
DS ON SOIL 2.287E+07 2.291E+07 2.299E+07 2.321E+07 2.358E+07 2.397E+07 2.433E+07 2.447E+07 2.456E+07 2.467E+07 2.471E+07 2.476E+07
IN SOIL AIR 6.773E+06 6.619E+06 6.423E+06 5.926E+06 5.990E+06 6.227E+06 6.489E+06 6.714E+06 6.840E+06 6.883E+06 6.978E+06 7.114E+06

SUBLAYER 6

IN SOIL MOI 3.249E+06 3.572E+06 3.933E+06 4.728E+06 4.775E+06 4.619E+06 4.299E+06 4.018E+06 3.831E+06 3.696E+06 3.588E+06 3.465E+06
ADS ON SOIL 2.213E+07 2.208E+07 2.204E+07 2.198E+07 2.209E+07 2.222E+07 2.242E+07 2.252E+07 2.259E+07 2.269E+07 2.272E+07 2.274E+07
IN SOIL AIR 6.552E+06 6.377E+06 6.157E+06 5.613E+06 5.611E+06 5.774E+06 5.979E+06 6.177E+06 6.291E+06 6.330E+06 6.414E+06 6.532E+06

SUBLAYER 7

IN SOIL MOI 3.244E+06 3.565E+06 3.924E+06 4.710E+06 4.750E+06 4.588E+06 4.266E+06 3.986E+06 3.800E+06 3.667E+06 3.559E+06 3.437E+06
ADS ON SOIL 2.210E+07 2.204E+07 2.199E+07 2.190E+07 2.197E+07 2.207E+07 2.224E+07 2.234E+07 2.241E+07 2.251E+07 2.254E+07 2.255E+07
IN SOIL AIR 6.543E+06 6.366E+06 6.142E+06 5.592E+06 5.581E+06 5.734E+06 5.933E+06 6.128E+06 6.241E+06 6.279E+06 6.363E+06 6.479E+06

SUBLAYER 8

IN SOIL MOI 3.254E+06 3.576E+06 3.936E+06 4.723E+06 4.762E+06 4.599E+06 4.276E+06 3.996E+06 3.809E+06 3.676E+06 3.567E+06 3.445E+06
ADS ON SOIL 2.217E+07 2.210E+07 2.205E+07 2.196E+07 2.203E+07 2.212E+07 2.230E+07 2.239E+07 2.247E+07 2.256E+07 2.259E+07 2.261E+07
IN SOIL AIR 6.563E+06 6.385E+06 6.161E+06 5.607E+06 5.596E+06 5.749E+06 5.947E+06 6.143E+06 6.256E+06 6.294E+06 6.378E+06 6.494E+06

SUBLAYER 9

IN SOIL MOI 3.271E+06 3.594E+06 3.956E+06 4.747E+06 4.786E+06 4.622E+06 4.298E+06 4.016E+06 3.828E+06 3.694E+06 3.585E+06 3.462E+06
ADS ON SOIL 2.228E+07 2.221E+07 2.217E+07 2.207E+07 2.214E+07 2.223E+07 2.241E+07 2.250E+07 2.258E+07 2.267E+07 2.270E+07 2.272E+07
IN SOIL AIR 6.596E+06 6.417E+06 6.192E+06 5.636E+06 5.624E+06 5.777E+06 5.977E+06 6.173E+06 6.287E+06 6.325E+06 6.410E+06 6.526E+06

SUBLAYER 10

IN SOIL MOI 3.623E+06 3.981E+06 4.383E+06 5.303E+06 5.395E+06 5.245E+06 4.894E+06 4.580E+06 4.369E+06 4.215E+06 4.091E+06 3.950E+06
ADS ON SOIL 2.468E+07 2.460E+07 2.456E+07 2.466E+07 2.495E+07 2.523E+07 2.552E+07 2.566E+07 2.576E+07 2.587E+07 2.591E+07 2.593E+07
IN SOIL AIR 7.307E+06 7.107E+06 6.861E+06 6.296E+06 6.340E+06 6.556E+06 6.806E+06 7.041E+06 7.174E+06 7.218E+06 7.314E+06 7.447E+06

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.680E-08 2.010E-08 1.022E-08 3.100E-09 1.100E-09 7.000E-10 7.000E-10 7.000E-10 7.000E-10 7.000E-10 7.000E-10 7.000E-10
%SOLUBILITY 1.533E-08 8.375E-09 4.258E-09 1.292E-09 4.583E-10 2.917E-10 2.917E-10 2.917E-10 2.917E-10 2.917E-10 2.917E-10 2.917E-10
ADSORBED 1.246E-08 6.804E-09 3.460E-09 1.049E-09 3.724E-10 2.370E-10 2.370E-10 2.370E-10 2.370E-10 2.370E-10 2.370E-10 2.370E-10
SOIL AIR 2.669E-08 1.476E-08 7.579E-09 2.328E-09 8.246E-10 5.238E-10 5.139E-10 5.098E-10 5.056E-10 4.979E-10 4.976E-10 4.992E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.297E-07 1.810E-07 9.220E-08 2.800E-08 1.060E-08 6.000E-09 6.000E-09 6.000E-09 6.000E-09 6.000E-09 6.000E-09 6.000E-09
%SOLUBILITY 1.374E-07 7.542E-08 3.842E-08 1.167E-08 4.417E-09 2.500E-09 2.500E-09 2.500E-09 2.500E-09 2.500E-09 2.500E-09 2.500E-09
ADSORBED 1.116E-07 6.127E-08 3.121E-08 9.479E-09 3.588E-09 2.031E-09 2.031E-09 2.031E-09 2.031E-09 2.031E-09 2.031E-09 2.031E-09
SOIL AIR 2.391E-07 1.329E-07 6.838E-08 2.103E-08 7.946E-09 4.490E-09 4.404E-09 4.370E-09 4.333E-09 4.268E-09 4.265E-09 4.279E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 3.746E+00 3.716E+00 3.687E+00 3.634E+00 3.619E+00 3.612E+00 3.628E+00 3.640E+00 3.652E+00 3.667E+00 3.671E+00 3.671E+00
%SOLUBILITY 1.561E+00 1.548E+00 1.536E+00 1.514E+00 1.508E+00 1.505E+00 1.512E+00 1.517E+00 1.522E+00 1.528E+00 1.530E+00 1.530E+00
ADSORBED 1.268E+00 1.258E+00 1.248E+00 1.230E+00 1.225E+00 1.223E+00 1.228E+00 1.232E+00 1.236E+00 1.241E+00 1.243E+00 1.243E+00
SOIL AIR 2.716E+00 2.729E+00 2.734E+00 2.730E+00 2.713E+00 2.703E+00 2.663E+00 2.651E+00 2.638E+00 2.608E+00 2.609E+00 2.618E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.463E+00 1.483E+00 1.505E+00 1.544E+00 1.581E+00 1.615E+00 1.642E+00 1.652E+00 1.658E+00 1.665E+00 1.668E+00 1.672E+00
%SOLUBILITY 6.094E-01 6.177E-01 6.271E-01 6.433E-01 6.588E-01 6.728E-01 6.841E-01 6.882E-01 6.907E-01 6.938E-01 6.950E-01 6.965E-01
ADSORBED 4.951E-01 5.019E-01 5.095E-01 5.226E-01 5.353E-01 5.466E-01 5.558E-01 5.591E-01 5.612E-01 5.637E-01 5.646E-01 5.659E-01
SOIL AIR 1.061E+00 1.089E+00 1.116E+00 1.159E+00 1.185E+00 1.208E+00 1.205E+00 1.203E+00 1.197E+00 1.184E+00 1.186E+00 1.192E+00

SUBLAYER 2

MOISTURE 5.292E-01 5.490E-01 5.716E-01 6.145E-01 6.515E-01 6.847E-01 7.069E-01 7.136E-01 7.168E-01 7.202E-01 7.221E-01 7.258E-01
%SOLUBILITY 2.205E-01 2.288E-01 2.382E-01 2.560E-01 2.714E-01 2.853E-01 2.945E-01 2.973E-01 2.987E-01 3.001E-01 3.009E-01 3.024E-01
ADSORBED 1.792E-01 1.859E-01 1.935E-01 2.080E-01 2.205E-01 2.318E-01 2.393E-01 2.416E-01 2.426E-01 2.438E-01 2.444E-01 2.457E-01
SOIL AIR 3.838E-01 4.032E-01 4.239E-01 4.615E-01 4.884E-01 5.123E-01 5.189E-01 5.197E-01 5.177E-01 5.123E-01 5.133E-01 5.176E-01

SUBLAYER 3

MOISTURE 1.549E-01 1.621E-01 1.707E-01 1.884E-01 2.041E-01 2.186E-01 2.282E-01 2.309E-01 2.321E-01 2.332E-01 2.340E-01 2.356E-01
%SOLUBILITY 6.452E-02 6.755E-02 7.114E-02 7.848E-02 8.504E-02 9.109E-02 9.507E-02 9.621E-02 9.670E-02 9.719E-02 9.749E-02 9.817E-02
ADSORBED 5.242E-02 5.488E-02 5.780E-02 6.376E-02 6.909E-02 7.401E-02 7.724E-02 7.816E-02 7.856E-02 7.896E-02 7.921E-02 7.976E-02
SOIL AIR 1.123E-01 1.191E-01 1.266E-01 1.415E-01 1.530E-01 1.636E-01 1.675E-01 1.682E-01 1.676E-01 1.659E-01 1.663E-01 1.680E-01

SUBLAYER 4

MOISTURE 6.512E-02 6.658E-02 6.841E-02 7.249E-02 7.656E-02 8.051E-02 8.327E-02 8.412E-02 8.452E-02 8.493E-02 8.515E-02 8.561E-02
%SOLUBILITY 2.713E-02 2.774E-02 2.851E-02 3.020E-02 3.190E-02 3.354E-02 3.469E-02 3.505E-02 3.522E-02 3.539E-02 3.548E-02 3.567E-02
ADSORBED 2.204E-02 2.254E-02 2.316E-02 2.454E-02 2.592E-02 2.725E-02 2.819E-02 2.848E-02 2.861E-02 2.875E-02 2.883E-02 2.898E-02
SOIL AIR 4.722E-02 4.890E-02 5.073E-02 5.444E-02 5.740E-02 6.024E-02 6.112E-02 6.126E-02 6.104E-02 6.041E-02 6.053E-02 6.105E-02

SUBLAYER 5

MOISTURE 5.061E-02 5.070E-02 5.088E-02 5.135E-02 5.216E-02 5.303E-02 5.383E-02 5.415E-02 5.435E-02 5.460E-02 5.468E-02 5.480E-02
%SOLUBILITY 2.109E-02 2.113E-02 2.120E-02 2.140E-02 2.174E-02 2.210E-02 2.243E-02 2.256E-02 2.265E-02 2.275E-02 2.279E-02 2.283E-02
ADSORBED 1.713E-02 1.716E-02 1.722E-02 1.738E-02 1.766E-02 1.795E-02 1.822E-02 1.833E-02 1.840E-02 1.848E-02 1.851E-02 1.855E-02
SOIL AIR 3.670E-02 3.724E-02 3.773E-02 3.856E-02 3.910E-02 3.968E-02 3.952E-02 3.944E-02 3.926E-02 3.883E-02 3.887E-02 3.908E-02

SUBLAYER 6

MOISTURE 4.896E-02 4.885E-02 4.877E-02 4.864E-02 4.887E-02 4.917E-02 4.960E-02 4.982E-02 4.999E-02 5.020E-02 5.027E-02 5.032E-02
%SOLUBILITY 2.040E-02 2.035E-02 2.032E-02 2.027E-02 2.036E-02 2.049E-02 2.067E-02 2.076E-02 2.083E-02 2.092E-02 2.095E-02 2.097E-02
ADSORBED 1.658E-02 1.654E-02 1.651E-02 1.646E-02 1.654E-02 1.664E-02 1.679E-02 1.687E-02 1.692E-02 1.700E-02 1.702E-02 1.703E-02
SOIL AIR 3.551E-02 3.588E-02 3.617E-02 3.653E-02 3.663E-02 3.679E-02 3.641E-02 3.628E-02 3.610E-02 3.571E-02 3.573E-02 3.589E-02

SUBLAYER 7

MOISTURE 4.890E-02 4.876E-02 4.866E-02 4.845E-02 4.861E-02 4.883E-02 4.922E-02 4.943E-02 4.959E-02 4.980E-02 4.987E-02 4.991E-02
%SOLUBILITY 2.037E-02 2.032E-02 2.027E-02 2.019E-02 2.025E-02 2.035E-02 2.051E-02 2.059E-02 2.066E-02 2.075E-02 2.078E-02 2.079E-02
ADSORBED 1.655E-02 1.651E-02 1.647E-02 1.640E-02 1.646E-02 1.653E-02 1.666E-02 1.673E-02 1.679E-02 1.686E-02 1.688E-02 1.689E-02
SOIL AIR 3.546E-02 3.581E-02 3.608E-02 3.639E-02 3.644E-02 3.654E-02 3.613E-02 3.600E-02 3.582E-02 3.542E-02 3.545E-02 3.559E-02

SUBLAYER 8

MOISTURE 4.905E-02 4.891E-02 4.880E-02 4.859E-02 4.874E-02 4.896E-02 4.934E-02 4.954E-02 4.971E-02 4.992E-02 4.998E-02 5.002E-02
%SOLUBILITY 2.044E-02 2.038E-02 2.033E-02 2.024E-02 2.031E-02 2.040E-02 2.056E-02 2.064E-02 2.071E-02 2.080E-02 2.083E-02 2.084E-02
ADSORBED 1.660E-02 1.656E-02 1.652E-02 1.645E-02 1.650E-02 1.657E-02 1.670E-02 1.677E-02 1.683E-02 1.690E-02 1.692E-02 1.693E-02
SOIL AIR 3.557E-02 3.592E-02 3.619E-02 3.649E-02 3.654E-02 3.663E-02 3.622E-02 3.608E-02 3.590E-02 3.551E-02 3.553E-02 3.568E-02

SUBLAYER 9

MOISTURE 4.929E-02 4.915E-02 4.905E-02 4.883E-02 4.898E-02 4.920E-02 4.958E-02 4.979E-02 4.995E-02 5.017E-02 5.023E-02 5.027E-02
%SOLUBILITY 2.054E-02 2.048E-02 2.044E-02 2.035E-02 2.041E-02 2.050E-02 2.066E-02 2.075E-02 2.081E-02 2.090E-02 2.093E-02 2.095E-02
ADSORBED 1.669E-02 1.664E-02 1.660E-02 1.653E-02 1.658E-02 1.665E-02 1.679E-02 1.686E-02 1.691E-02 1.698E-02 1.700E-02 1.702E-02
SOIL AIR 3.575E-02 3.610E-02 3.637E-02 3.667E-02 3.672E-02 3.681E-02 3.640E-02 3.626E-02 3.608E-02 3.568E-02 3.571E-02 3.585E-02

SUBLAYER 10

MOISTURE 5.461E-02 5.444E-02 5.435E-02 5.456E-02 5.521E-02 5.583E-02 5.647E-02 5.679E-02 5.701E-02 5.725E-02 5.732E-02 5.737E-02
%SOLUBILITY 2.275E-02 2.268E-02 2.265E-02 2.273E-02 2.300E-02 2.326E-02 2.353E-02 2.366E-02 2.375E-02 2.386E-02 2.388E-02 2.390E-02
ADSORBED 1.849E-02 1.843E-02 1.840E-02 1.847E-02 1.869E-02 1.890E-02 1.911E-02 1.922E-02 1.930E-02 1.938E-02 1.940E-02 1.942E-02
SOIL AIR 3.960E-02 3.998E-02 4.030E-02 4.097E-02 4.139E-02 4.178E-02 4.145E-02 4.136E-02 4.117E-02 4.072E-02 4.075E-02 4.091E-02

POL DEP CM 1.818E+03 1.819E+03 1.819E+03 1.821E+03 1.822E+03 1.823E+03 1.823E+03 1.823E+03 1.824E+03 1.824E+03 1.824E+03 1.824E+03
1 YEAR - 5 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

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

SUBLAYER 1

SOIL MOISTURE (UG/ML) 6.352E-09
ADSORBED SOIL (UG/G) 2.150E-09
SOIL AIR (UG/ML) 4.644E-09

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 5.696E-08
ADSORBED SOIL (UG/G) 1.928E-08
SOIL AIR (UG/ML) 4.165E-08

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.662E+00
ADSORBED SOIL (UG/G) 1.240E+00

SOIL AIR (UG/ML) 2.676E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.595E+00
ADSORBED SOIL (UG/G) 5.401E-01
SOIL AIR (UG/ML) 1.166E+00

SUBLAYER 2

SOIL MOISTURE (UG/ML) 6.588E-01
ADSORBED SOIL (UG/G) 2.230E-01
SOIL AIR (UG/ML) 4.810E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 2.077E-01
ADSORBED SOIL (UG/G) 7.032E-02
SOIL AIR (UG/ML) 1.516E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 7.810E-02
ADSORBED SOIL (UG/G) 2.644E-02
SOIL AIR (UG/ML) 5.703E-02

SUBLAYER 5

SOIL MOISTURE (UG/ML) 5.293E-02
ADSORBED SOIL (UG/G) 1.792E-02
SOIL AIR (UG/ML) 3.867E-02

SUBLAYER 6

SOIL MOISTURE (UG/ML) 4.945E-02
ADSORBED SOIL (UG/G) 1.674E-02
SOIL AIR (UG/ML) 3.614E-02

SUBLAYER 7

SOIL MOISTURE (UG/ML) 4.917E-02
ADSORBED SOIL (UG/G) 1.664E-02
SOIL AIR (UG/ML) 3.593E-02

SUBLAYER 8

SOIL MOISTURE (UG/ML) 4.930E-02
ADSORBED SOIL (UG/G) 1.669E-02
SOIL AIR (UG/ML) 3.602E-02

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.954E-02
ADSORBED SOIL (UG/G) 1.677E-02
SOIL AIR (UG/ML) 3.620E-02

SUBLAYER 10

SOIL MOISTURE (UG/ML) 5.593E-02
ADSORBED SOIL (UG/G) 1.893E-02
SOIL AIR (UG/ML) 4.087E-02

MAX. POLL. DEPTH (M) 1.824E+01

1

YEAR - 10 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.463	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	1.372E+09	1.500E+09	1.641E+09	1.950E+09	1.952E+09	1.873E+09	1.735E+09	1.621E+09	1.545E+09	1.490E+09	1.446E+09	1.395E+09
ADS ON SOIL	9.344E+09	9.269E+09	9.196E+09	9.066E+09	9.029E+09	9.011E+09	9.049E+09	9.081E+09	9.110E+09	9.148E+09	9.158E+09	9.158E+09
IN SOIL AIR	2.767E+09	2.678E+09	2.569E+09	2.315E+09	2.294E+09	2.341E+09	2.414E+09	2.491E+09	2.537E+09	2.552E+09	2.586E+09	2.631E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	1.398E+08	1.537E+08	1.692E+08	2.033E+08	2.050E+08	1.980E+08	1.840E+08	1.720E+08	1.639E+08	1.582E+08	1.535E+08	1.482E+08
ADS ON SOIL	9.519E+08	9.498E+08	9.484E+08	9.450E+08	9.482E+08	9.523E+08	9.597E+08	9.637E+08	9.668E+08	9.710E+08	9.721E+08	9.728E+08
IN SOIL AIR	2.819E+08	2.744E+08	2.649E+08	2.413E+08	2.409E+08	2.475E+08	2.560E+08	2.644E+08	2.692E+08	2.709E+08	2.745E+08	2.794E+08

SUBLAYER 2

IN SOIL MOI 9.704E+07 1.077E+08 1.198E+08 1.466E+08 1.499E+08 1.465E+08 1.371E+08 1.283E+08 1.223E+08 1.180E+08 1.146E+08 1.108E+08
ADS ON SOIL 6.610E+08 6.657E+08 6.714E+08 6.816E+08 6.935E+08 7.048E+08 7.148E+08 7.187E+08 7.213E+08 7.245E+08 7.257E+08 7.271E+08
IN SOIL AIR 1.957E+08 1.923E+08 1.875E+08 1.741E+08 1.762E+08 1.831E+08 1.907E+08 1.972E+08 2.009E+08 2.021E+08 2.049E+08 2.089E+08

SUBLAYER 3

IN SOIL MOI 4.885E+07 5.476E+07 6.159E+07 7.701E+07 8.008E+07 7.934E+07 7.480E+07 7.011E+07 6.689E+07 6.456E+07 6.270E+07 6.069E+07
ADS ON SOIL 3.327E+08 3.384E+08 3.451E+08 3.581E+08 3.704E+08 3.817E+08 3.900E+08 3.929E+08 3.945E+08 3.963E+08 3.971E+08 3.984E+08
IN SOIL AIR 9.852E+07 9.777E+07 9.641E+07 9.143E+07 9.410E+07 9.918E+07 1.040E+08 1.078E+08 1.098E+08 1.105E+08 1.121E+08 1.144E+08

SUBLAYER 4

IN SOIL MOI 1.940E+07 2.190E+07 2.483E+07 3.160E+07 3.332E+07 3.341E+07 3.171E+07 2.977E+07 2.841E+07 2.742E+07 2.664E+07 2.582E+07
ADS ON SOIL 1.321E+08 1.353E+08 1.391E+08 1.469E+08 1.541E+08 1.607E+08 1.653E+08 1.668E+08 1.675E+08 1.683E+08 1.687E+08 1.694E+08
IN SOIL AIR 3.913E+07 3.910E+07 3.887E+07 3.751E+07 3.915E+07 4.176E+07 4.410E+07 4.576E+07 4.665E+07 4.696E+07 4.764E+07 4.867E+07

SUBLAYER 5

IN SOIL MOI 7.634E+06 8.589E+06 9.709E+06 1.232E+07 1.299E+07 1.303E+07 1.237E+07 1.162E+07 1.109E+07 1.071E+07 1.040E+07 1.008E+07
ADS ON SOIL 5.200E+07 5.308E+07 5.441E+07 5.728E+07 6.008E+07 6.269E+07 6.452E+07 6.512E+07 6.541E+07 6.572E+07 6.587E+07 6.615E+07
IN SOIL AIR 1.540E+07 1.533E+07 1.520E+07 1.463E+07 1.527E+07 1.629E+07 1.721E+07 1.786E+07 1.822E+07 1.833E+07 1.860E+07 1.900E+07

SUBLAYER 6

IN SOIL MOI 4.332E+06 4.807E+06 5.353E+06 6.596E+06 6.803E+06 6.703E+06 6.304E+06 5.907E+06 5.636E+06 5.439E+06 5.282E+06 5.109E+06
ADS ON SOIL 2.950E+07 2.971E+07 2.999E+07 3.066E+07 3.147E+07 3.225E+07 3.287E+07 3.310E+07 3.324E+07 3.339E+07 3.345E+07 3.353E+07
IN SOIL AIR 8.736E+06 8.583E+06 8.378E+06 7.831E+06 7.994E+06 8.379E+06 8.767E+06 9.081E+06 9.255E+06 9.314E+06 9.443E+06 9.632E+06

SUBLAYER 7

IN SOIL MOI 3.662E+06 4.033E+06 4.448E+06 5.370E+06 5.444E+06 5.283E+06 4.926E+06 4.607E+06 4.393E+06 4.239E+06 4.114E+06 3.975E+06
ADS ON SOIL 2.495E+07 2.492E+07 2.493E+07 2.497E+07 2.518E+07 2.542E+07 2.569E+07 2.582E+07 2.591E+07 2.602E+07 2.605E+07 2.609E+07
IN SOIL AIR 7.386E+06 7.200E+06 6.963E+06 6.375E+06 6.397E+06 6.604E+06 6.852E+06 7.082E+06 7.214E+06 7.258E+06 7.356E+06 7.493E+06

SUBLAYER 8

IN SOIL MOI 3.571E+06 3.925E+06 4.321E+06 5.190E+06 5.237E+06 5.061E+06 4.708E+06 4.400E+06 4.195E+06 4.047E+06 3.928E+06 3.793E+06
ADS ON SOIL 2.432E+07 2.426E+07 2.421E+07 2.413E+07 2.422E+07 2.435E+07 2.455E+07 2.465E+07 2.474E+07 2.484E+07 2.487E+07 2.490E+07
IN SOIL AIR 7.202E+06 7.008E+06 6.764E+06 6.162E+06 6.154E+06 6.326E+06 6.548E+06 6.763E+06 6.888E+06 6.930E+06 7.023E+06 7.151E+06

SUBLAYER 9

IN SOIL MOI 3.577E+06 3.931E+06 4.326E+06 5.192E+06 5.235E+06 5.056E+06 4.701E+06 4.393E+06 4.188E+06 4.041E+06 3.922E+06 3.787E+06
ADS ON SOIL 2.436E+07 2.429E+07 2.424E+07 2.414E+07 2.421E+07 2.432E+07 2.451E+07 2.462E+07 2.470E+07 2.480E+07 2.483E+07 2.485E+07
IN SOIL AIR 7.214E+06 7.018E+06 6.771E+06 6.164E+06 6.152E+06 6.320E+06 6.538E+06 6.753E+06 6.877E+06 6.919E+06 7.012E+06 7.140E+06

SUBLAYER 10

IN SOIL MOI 4.079E+06 4.481E+06 4.929E+06 5.906E+06 5.946E+06 5.735E+06 5.329E+06 4.978E+06 4.746E+06 4.579E+06 4.444E+06 4.291E+06
ADS ON SOIL 2.778E+07 2.769E+07 2.762E+07 2.746E+07 2.750E+07 2.759E+07 2.779E+07 2.790E+07 2.799E+07 2.811E+07 2.814E+07 2.816E+07
IN SOIL AIR 8.226E+06 8.000E+06 7.716E+06 7.012E+06 6.987E+06 7.169E+06 7.411E+06 7.653E+06 7.793E+06 7.841E+06 7.945E+06 8.090E+06
GWR. RUNOFF 0.000E+00 0.000E+00 3.241E+04 3.848E+05 4.115E+05 3.205E+05 1.690E+05 7.088E+04 2.609E+04 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10

SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 3.341E+00 3.315E+00 3.289E+00 3.242E+00 3.229E+00 3.222E+00 3.236E+00 3.247E+00 3.258E+00 3.272E+00 3.275E+00 3.275E+00
%SOLUBILITY 1.392E+00 1.381E+00 1.370E+00 1.351E+00 1.345E+00 1.343E+00 1.348E+00 1.353E+00 1.357E+00 1.363E+00 1.364E+00 1.365E+00
ADSORBED 1.131E+00 1.122E+00 1.113E+00 1.098E+00 1.093E+00 1.091E+00 1.095E+00 1.099E+00 1.103E+00 1.107E+00 1.109E+00 1.109E+00
SOIL AIR 2.423E+00 2.434E+00 2.439E+00 2.435E+00 2.420E+00 2.411E+00 2.376E+00 2.365E+00 2.353E+00 2.327E+00 2.328E+00 2.336E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.106E+00 2.102E+00 2.099E+00 2.091E+00 2.098E+00 2.107E+00 2.123E+00 2.132E+00 2.139E+00 2.148E+00 2.151E+00 2.153E+00
%SOLUBILITY 8.776E-01 8.757E-01 8.744E-01 8.713E-01 8.742E-01 8.780E-01 8.848E-01 8.884E-01 8.914E-01 8.952E-01 8.963E-01 8.969E-01
ADSORBED 7.130E-01 7.115E-01 7.104E-01 7.079E-01 7.102E-01 7.133E-01 7.188E-01 7.218E-01 7.242E-01 7.273E-01 7.282E-01 7.287E-01
SOIL AIR 1.527E+00 1.544E+00 1.556E+00 1.570E+00 1.573E+00 1.577E+00 1.559E+00 1.553E+00 1.545E+00 1.528E+00 1.529E+00 1.535E+00

SUBLAYER 2

MOISTURE 1.463E+00 1.473E+00 1.486E+00 1.508E+00 1.535E+00 1.560E+00 1.582E+00 1.590E+00 1.596E+00 1.603E+00 1.606E+00 1.609E+00
%SOLUBILITY 6.094E-01 6.137E-01 6.190E-01 6.284E-01 6.394E-01 6.498E-01 6.590E-01 6.627E-01 6.650E-01 6.680E-01 6.691E-01 6.703E-01
ADSORBED 4.951E-01 4.986E-01 5.029E-01 5.106E-01 5.195E-01 5.279E-01 5.354E-01 5.384E-01 5.403E-01 5.427E-01 5.436E-01 5.446E-01
SOIL AIR 1.061E+00 1.082E+00 1.102E+00 1.133E+00 1.150E+00 1.167E+00 1.161E+00 1.158E+00 1.153E+00 1.140E+00 1.141E+00 1.147E+00

SUBLAYER 3

MOISTURE 7.362E-01 7.489E-01 7.637E-01 7.923E-01 8.196E-01 8.445E-01 8.630E-01 8.693E-01 8.728E-01 8.768E-01 8.786E-01 8.814E-01
%SOLUBILITY 3.068E-01 3.120E-01 3.182E-01 3.301E-01 3.415E-01 3.519E-01 3.596E-01 3.622E-01 3.637E-01 3.653E-01 3.661E-01 3.673E-01
ADSORBED 2.492E-01 2.535E-01 2.585E-01 2.682E-01 2.774E-01 2.859E-01 2.922E-01 2.943E-01 2.955E-01 2.968E-01 2.974E-01 2.984E-01
SOIL AIR 5.339E-01 5.500E-01 5.663E-01 5.950E-01 6.144E-01 6.320E-01 6.335E-01 6.331E-01 6.304E-01 6.237E-01 6.245E-01 6.286E-01

SUBLAYER 4

MOISTURE 2.924E-01 2.995E-01 3.079E-01 3.250E-01 3.410E-01 3.556E-01 3.658E-01 3.691E-01 3.707E-01 3.725E-01 3.733E-01 3.749E-01
%SOLUBILITY 1.218E-01 1.248E-01 1.283E-01 1.354E-01 1.421E-01 1.482E-01 1.524E-01 1.538E-01 1.545E-01 1.552E-01 1.556E-01 1.562E-01
ADSORBED 9.898E-02 1.014E-01 1.042E-01 1.100E-01 1.154E-01 1.204E-01 1.238E-01 1.249E-01 1.255E-01 1.261E-01 1.264E-01 1.269E-01
SOIL AIR 2.120E-01 2.200E-01 2.283E-01 2.441E-01 2.556E-01 2.661E-01 2.685E-01 2.688E-01 2.677E-01 2.649E-01 2.654E-01 2.674E-01

SUBLAYER 5

MOISTURE 1.150E-01 1.175E-01 1.204E-01 1.267E-01 1.329E-01 1.387E-01 1.428E-01 1.441E-01 1.447E-01 1.454E-01 1.458E-01 1.464E-01
%SOLUBILITY 4.794E-02 4.894E-02 5.016E-02 5.281E-02 5.540E-02 5.780E-02 5.949E-02 6.003E-02 6.031E-02 6.059E-02 6.073E-02 6.099E-02
ADSORBED 3.895E-02 3.976E-02 4.075E-02 4.291E-02 4.501E-02 4.696E-02 4.833E-02 4.877E-02 4.900E-02 4.923E-02 4.934E-02 4.955E-02
SOIL AIR 8.343E-02 8.627E-02 8.928E-02 9.519E-02 9.966E-02 1.038E-01 1.048E-01 1.049E-01 1.045E-01 1.034E-01 1.036E-01 1.044E-01

SUBLAYER 6

MOISTURE 6.528E-02 6.574E-02 6.637E-02 6.785E-02 6.962E-02 7.135E-02 7.273E-02 7.324E-02 7.354E-02 7.387E-02 7.401E-02 7.420E-02
%SOLUBILITY 2.720E-02 2.739E-02 2.765E-02 2.827E-02 2.901E-02 2.973E-02 3.030E-02 3.052E-02 3.064E-02 3.078E-02 3.084E-02 3.092E-02
ADSORBED 2.210E-02 2.225E-02 2.247E-02 2.297E-02 2.357E-02 2.415E-02 2.462E-02 2.479E-02 2.489E-02 2.501E-02 2.505E-02 2.512E-02
SOIL AIR 4.734E-02 4.828E-02 4.922E-02 5.096E-02 5.219E-02 5.339E-02 5.339E-02 5.334E-02 5.311E-02 5.254E-02 5.260E-02 5.292E-02

SUBLAYER 7

MOISTURE 5.520E-02 5.515E-02 5.516E-02 5.524E-02 5.571E-02 5.624E-02 5.684E-02 5.712E-02 5.732E-02 5.757E-02 5.765E-02 5.772E-02
%SOLUBILITY 2.300E-02 2.298E-02 2.298E-02 2.302E-02 2.321E-02 2.343E-02 2.368E-02 2.380E-02 2.388E-02 2.399E-02 2.402E-02 2.405E-02
ADSORBED 1.869E-02 1.867E-02 1.867E-02 1.870E-02 1.886E-02 1.904E-02 1.924E-02 1.934E-02 1.940E-02 1.949E-02 1.952E-02 1.954E-02
SOIL AIR 4.003E-02 4.050E-02 4.090E-02 4.149E-02 4.177E-02 4.208E-02 4.173E-02 4.160E-02 4.140E-02 4.095E-02 4.098E-02 4.117E-02

SUBLAYER 8

MOISTURE 5.382E-02 5.368E-02 5.358E-02 5.339E-02 5.360E-02 5.387E-02 5.432E-02 5.455E-02 5.473E-02 5.497E-02 5.504E-02 5.509E-02
%SOLUBILITY 2.243E-02 2.237E-02 2.233E-02 2.225E-02 2.233E-02 2.245E-02 2.263E-02 2.273E-02 2.281E-02 2.290E-02 2.293E-02 2.295E-02
ADSORBED 1.822E-02 1.817E-02 1.814E-02 1.807E-02 1.814E-02 1.824E-02 1.839E-02 1.847E-02 1.853E-02 1.861E-02 1.863E-02 1.865E-02
SOIL AIR 3.903E-02 3.943E-02 3.973E-02 4.010E-02 4.018E-02 4.031E-02 3.987E-02 3.973E-02 3.953E-02 3.910E-02 3.912E-02 3.929E-02

SUBLAYER 9

MOISTURE 5.391E-02 5.375E-02 5.364E-02 5.341E-02 5.358E-02 5.382E-02 5.424E-02 5.447E-02 5.465E-02 5.488E-02 5.495E-02 5.500E-02
%SOLUBILITY 2.246E-02 2.240E-02 2.235E-02 2.225E-02 2.232E-02 2.242E-02 2.260E-02 2.270E-02 2.277E-02 2.287E-02 2.290E-02 2.292E-02
ADSORBED 1.825E-02 1.820E-02 1.816E-02 1.808E-02 1.814E-02 1.822E-02 1.836E-02 1.844E-02 1.850E-02 1.858E-02 1.860E-02 1.862E-02
SOIL AIR 3.909E-02 3.948E-02 3.978E-02 4.011E-02 4.016E-02 4.027E-02 3.982E-02 3.967E-02 3.947E-02 3.904E-02 3.906E-02 3.922E-02

SUBLAYER 10

MOISTURE 6.147E-02 6.128E-02 6.112E-02 6.075E-02 6.085E-02 6.105E-02 6.148E-02 6.173E-02 6.193E-02 6.219E-02 6.227E-02 6.232E-02
%SOLUBILITY 2.561E-02 2.553E-02 2.547E-02 2.531E-02 2.535E-02 2.544E-02 2.562E-02 2.572E-02 2.580E-02 2.591E-02 2.594E-02 2.596E-02
ADSORBED 2.081E-02 2.074E-02 2.069E-02 2.057E-02 2.060E-02 2.067E-02 2.081E-02 2.090E-02 2.096E-02 2.105E-02 2.108E-02 2.110E-02
SOIL AIR 4.458E-02 4.501E-02 4.533E-02 4.563E-02 4.562E-02 4.568E-02 4.513E-02 4.496E-02 4.472E-02 4.423E-02 4.426E-02 4.444E-02

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 1.265E-05 1.499E-04 1.602E-04 1.248E-04 6.586E-05 2.763E-05 1.017E-05 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 10 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 1.415E+06
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.267E+00
ADSORBED SOIL (UG/G) 1.106E+00
SOIL AIR (UG/ML) 2.387E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.121E+00

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                ADSORBED SOIL (UG/G)  7.179E-01
                SOIL AIR (UG/ML)      1.550E+00

     SUBLAYER 2

                SOIL MOISTURE (UG/ML) 1.551E+00
                ADSORBED SOIL (UG/G)  5.250E-01
                SOIL AIR (UG/ML)      1.133E+00

     SUBLAYER 3

                SOIL MOISTURE (UG/ML) 8.289E-01
                ADSORBED SOIL (UG/G)  2.806E-01
                SOIL AIR (UG/ML)      6.055E-01

     SUBLAYER 4

                SOIL MOISTURE (UG/ML) 3.456E-01
                ADSORBED SOIL (UG/G)  1.170E-01
                SOIL AIR (UG/ML)      2.524E-01

     SUBLAYER 5

                SOIL MOISTURE (UG/ML) 1.350E-01
                ADSORBED SOIL (UG/G)  4.571E-02
                SOIL AIR (UG/ML)      9.861E-02

     SUBLAYER 6

                SOIL MOISTURE (UG/ML) 7.065E-02
                ADSORBED SOIL (UG/G)  2.392E-02
                SOIL AIR (UG/ML)      5.161E-02

     SUBLAYER 7

                SOIL MOISTURE (UG/ML) 5.641E-02
                ADSORBED SOIL (UG/G)  1.910E-02
                SOIL AIR (UG/ML)      4.122E-02

     SUBLAYER 8

                SOIL MOISTURE (UG/ML) 5.422E-02
                ADSORBED SOIL (UG/G)  1.835E-02
                SOIL AIR (UG/ML)      3.962E-02

     SUBLAYER 9

                SOIL MOISTURE (UG/ML) 5.419E-02
                ADSORBED SOIL (UG/G)  1.834E-02
                SOIL AIR (UG/ML)      3.960E-02

     SUBLAYER 10

                SOIL MOISTURE (UG/ML) 6.154E-02
                ADSORBED SOIL (UG/G)  2.083E-02
                SOIL AIR (UG/ML)      4.497E-02


                MAX. POLL. DEPTH (M)  1.828E+01

  AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)  4.594E-05
1

YEAR - 20   MONTHLY RESULTS (OUTPUT)
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-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	1.092E+09	1.193E+09	1.306E+09	1.552E+09	1.553E+09	1.490E+09	1.381E+09	1.289E+09	1.229E+09	1.186E+09	1.151E+09	1.110E+09
ADS ON SOIL	7.435E+09	7.375E+09	7.317E+09	7.214E+09	7.184E+09	7.170E+09	7.200E+09	7.226E+09	7.249E+09	7.279E+09	7.286E+09	7.287E+09
IN SOIL AIR	2.201E+09	2.131E+09	2.044E+09	1.842E+09	1.825E+09	1.863E+09	1.921E+09	1.982E+09	2.018E+09	2.031E+09	2.057E+09	2.093E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	1.360E+08	1.489E+08	1.631E+08	1.941E+08	1.945E+08	1.867E+08	1.731E+08	1.616E+08	1.541E+08	1.486E+08	1.442E+08	1.392E+08
ADS ON SOIL	9.265E+08	9.201E+08	9.141E+08	9.025E+08	8.995E+08	8.984E+08	9.026E+08	9.057E+08	9.086E+08	9.124E+08	9.134E+08	9.135E+08
IN SOIL AIR	2.743E+08	2.658E+08	2.553E+08	2.305E+08	2.285E+08	2.334E+08	2.407E+08	2.485E+08	2.530E+08	2.545E+08	2.579E+08	2.624E+08

SUBLAYER 2

N SOIL MOI 1.458E+08 1.600E+08 1.758E+08 2.102E+08 2.113E+08 2.036E+08 1.890E+08 1.765E+08 1.683E+08 1.624E+08 1.576E+08 1.521E+08
ADS ON SOIL 9.934E+08 9.890E+08 9.851E+08 9.773E+08 9.775E+08 9.793E+08 9.855E+08 9.893E+08 9.925E+08 9.967E+08 9.979E+08 9.984E+08
IN SOIL AIR 2.941E+08 2.857E+08 2.752E+08 2.496E+08 2.484E+08 2.545E+08 2.629E+08 2.714E+08 2.764E+08 2.781E+08 2.817E+08 2.868E+08

SUBLAYER 3

IN SOIL MOI 1.305E+08 1.437E+08 1.586E+08 1.912E+08 1.934E+08 1.873E+08 1.744E+08 1.630E+08 1.554E+08 1.500E+08 1.456E+08 1.406E+08
ADS ON SOIL 8.888E+08 8.884E+08 8.887E+08 8.890E+08 8.947E+08 9.011E+08 9.095E+08 9.136E+08 9.167E+08 9.206E+08 9.218E+08 9.228E+08
IN SOIL AIR 2.632E+08 2.566E+08 2.482E+08 2.270E+08 2.273E+08 2.342E+08 2.426E+08 2.506E+08 2.553E+08 2.568E+08 2.603E+08 2.651E+08

SUBLAYER 4

IN SOIL MOI 9.346E+07 1.034E+08 1.147E+08 1.397E+08 1.425E+08 1.390E+08 1.299E+08 1.215E+08 1.159E+08 1.118E+08 1.086E+08 1.049E+08
ADS ON SOIL 6.366E+08 6.392E+08 6.428E+08 6.497E+08 6.593E+08 6.685E+08 6.773E+08 6.809E+08 6.834E+08 6.864E+08 6.874E+08 6.886E+08
IN SOIL AIR 1.885E+08 1.847E+08 1.796E+08 1.659E+08 1.675E+08 1.737E+08 1.806E+08 1.868E+08 1.903E+08 1.915E+08 1.941E+08 1.978E+08

SUBLAYER 5

IN SOIL MOI 5.318E+07 5.912E+07 6.590E+07 8.119E+07 8.354E+07 8.207E+07 7.702E+07 7.213E+07 6.880E+07 6.640E+07 6.447E+07 6.235E+07
ADS ON SOIL 3.622E+08 3.654E+08 3.693E+08 3.774E+08 3.864E+08 3.948E+08 4.016E+08 4.042E+08 4.057E+08 4.076E+08 4.082E+08 4.092E+08
IN SOIL AIR 1.073E+08 1.055E+08 1.032E+08 9.639E+07 9.818E+07 1.026E+08 1.071E+08 1.109E+08 1.130E+08 1.137E+08 1.153E+08 1.175E+08

SUBLAYER 6

IN SOIL MOI 2.483E+07 2.768E+07 3.097E+07 3.849E+07 3.992E+07 3.946E+07 3.717E+07 3.484E+07 3.324E+07 3.208E+07 3.115E+07 3.014E+07
ADS ON SOIL 1.691E+08 1.711E+08 1.735E+08 1.790E+08 1.846E+08 1.898E+08 1.938E+08 1.952E+08 1.960E+08 1.969E+08 1.973E+08 1.978E+08
IN SDIL AIR 5.007E+07 4.942E+07 4.847E+07 4.570E+07 4.691E+07 4.933E+07 5.169E+07 5.356E+07 5.459E+07 5.494E+07 5.570E+07 5.683E+07

SUBLAYER 7

IN SOIL MOI 1.081E+07 1.203E+07 1.345E+07 1.672E+07 1.736E+07 1.718E+07 1.619E+07 1.518E+07 1.448E+07 1.398E+07 1.357E+07 1.313E+07
ADS ON SOIL 7.361E+07 7.437E+07 7.536E+07 7.772E+07 8.027E+07 8.263E+07 8.440E+07 8.505E+07 8.542E+07 8.581E+07 8.596E+07 8.619E+07
IN SDIL AIR 2.180E+07 2.148E+07 2.105E+07 1.985E+07 2.040E+07 2.147E+07 2.251E+07 2.333E+07 2.379E+07 2.394E+07 2.427E+07 2.476E+07

SUBLAYER 8

IN SOIL MOI 5.815E+06 6.432E+06 7.136E+06 8.740E+06 8.972E+06 8.797E+06 8.249E+06 7.727E+06 7.371E+06 7.113E+06 6.906E+06 6.676E+06
ADS ON SOIL 3.961E+07 3.975E+07 3.999E+07 4.063E+07 4.150E+07 4.232E+07 4.301E+07 4.330E+07 4.347E+07 4.366E+07 4.373E+07 4.381E+07
IN SOIL AIR 1.173E+07 1.148E+07 1.117E+07 1.038E+07 1.054E+07 1.100E+07 1.147E+07 1.188E+07 1.210E+07 1.218E+07 1.235E+07 1.259E+07

SUBLAYER 9

IN SOIL MOI 4.542E+06 4.999E+06 5.512E+06 6.651E+06 6.742E+06 6.541E+06 6.098E+06 5.702E+06 5.438E+06 5.247E+06 5.093E+06 4.919E+06
ADS ON SOIL 3.094E+07 3.089E+07 3.088E+07 3.092E+07 3.119E+07 3.147E+07 3.179E+07 3.195E+07 3.207E+07 3.221E+07 3.225E+07 3.228E+07
IN SOIL AIR 9.161E+06 8.925E+06 8.627E+06 7.897E+06 7.923E+06 8.176E+06 8.480E+06 8.766E+06 8.929E+06 8.984E+06 9.105E+06 9.273E+06

SUBLAYER 10

IN SOIL MOI 4.672E+06 5.134E+06 5.649E+06 6.778E+06 6.833E+06 6.599E+06 6.135E+06 5.733E+06 5.466E+06 5.273E+06 5.118E+06 4.942E+06
ADS ON SOIL 3.182E+07 3.173E+07 3.166E+07 3.151E+07 3.161E+07 3.174E+07 3.199E+07 3.212E+07 3.223E+07 3.237E+07 3.241E+07 3.244E+07
IN SOIL AIR 9.422E+06 9.165E+06 8.843E+06 8.047E+06 8.030E+06 8.248E+06 8.533E+06 8.813E+06 8.975E+06 9.030E+06 9.151E+06 9.317E+06
GWR. RUNOFF 0.000E+00 0.000E+00 3.714E+04 4.414E+05 4.726E+05 3.685E+05 1.945E+05 8.161E+04 3.005E+04 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
OIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 2.659E+00 2.637E+00 2.617E+00 2.580E+00 2.569E+00 2.564E+00 2.575E+00 2.584E+00 2.592E+00 2.603E+00 2.606E+00 2.606E+00
%SOLUBILITY 1.108E+00 1.099E+00 1.090E+00 1.075E+00 1.070E+00 1.068E+00 1.073E+00 1.077E+00 1.080E+00 1.085E+00 1.086E+00 1.086E+00
ADSORBED 9.000E-01 8.928E-01 8.858E-01 8.733E-01 8.697E-01 8.680E-01 8.717E-01 8.747E-01 8.775E-01 8.812E-01 8.821E-01 8.821E-01
SOIL AIR 1.928E+00 1.937E+00 1.941E+00 1.937E+00 1.926E+00 1.919E+00 1.890E+00 1.882E+00 1.872E+00 1.851E+00 1.852E+00 1.859E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.050E+00 2.036E+00 2.023E+00 1.997E+00 1.990E+00 1.988E+00 1.997E+00 2.004E+00 2.010E+00 2.019E+00 2.021E+00 2.021E+00
%SOLUBILITY 8.542E-01 8.483E-01 8.427E-01 8.320E-01 8.293E-01 8.283E-01 8.321E-01 8.350E-01 8.377E-01 8.412E-01 8.421E-01 8.422E-01
ADSORBED 6.940E-01 6.892E-01 6.847E-01 6.760E-01 6.737E-01 6.729E-01 6.761E-01 6.784E-01 6.806E-01 6.835E-01 6.841E-01 6.843E-01
SOIL AIR 1.487E+00 1.495E+00 1.500E+00 1.500E+00 1.492E+00 1.487E+00 1.466E+00 1.460E+00 1.452E+00 1.436E+00 1.437E+00 1.442E+00

SUBLAYER 2

MOISTURE 2.198E+00 2.188E+00 2.180E+00 2.162E+00 2.163E+00 2.167E+00 2.181E+00 2.189E+00 2.196E+00 2.205E+00 2.208E+00 2.209E+00
%SOLUBILITY 9.158E-01 9.118E-01 9.082E-01 9.010E-01 9.012E-01 9.029E-01 9.086E-01 9.121E-01 9.150E-01 9.189E-01 9.200E-01 9.205E-01
ADSORBED 7.441E-01 7.408E-01 7.379E-01 7.320E-01 7.322E-01 7.335E-01 7.382E-01 7.410E-01 7.434E-01 7.466E-01 7.474E-01 7.478E-01
SOIL AIR 1.594E+00 1.607E+00 1.616E+00 1.624E+00 1.621E+00 1.621E+00 1.601E+00 1.594E+00 1.586E+00 1.569E+00 1.569E+00 1.576E+00

SUBLAYER 3

MOISTURE 1.967E+00 1.966E+00 1.966E+00 1.967E+00 1.980E+00 1.994E+00 2.012E+00 2.021E+00 2.028E+00 2.037E+00 2.040E+00 2.042E+00
%SOLUBILITY 8.194E-01 8.190E-01 8.193E-01 8.196E-01 8.249E-01 8.308E-01 8.385E-01 8.423E-01 8.451E-01 8.488E-01 8.499E-01 8.508E-01
ADSORBED 6.658E-01 6.654E-01 6.657E-01 6.659E-01 6.702E-01 6.750E-01 6.813E-01 6.843E-01 6.866E-01 6.896E-01 6.905E-01 6.912E-01
SOIL AIR 1.426E+00 1.444E+00 1.458E+00 1.477E+00 1.484E+00 1.492E+00 1.477E+00 1.472E+00 1.465E+00 1.449E+00 1.450E+00 1.456E+00

SUBLAYER 4

MOISTURE 1.409E+00 1.414E+00 1.422E+00 1.438E+00 1.459E+00 1.479E+00 1.499E+00 1.507E+00 1.512E+00 1.519E+00 1.521E+00 1.524E+00
%SOLUBILITY 5.869E-01 5.893E-01 5.926E-01 5.990E-01 6.078E-01 6.164E-01 6.244E-01 6.278E-01 6.300E-01 6.328E-01 6.338E-01 6.348E-01
ADSORBED 4.768E-01 4.788E-01 4.815E-01 4.867E-01 4.938E-01 5.008E-01 5.073E-01 5.100E-01 5.119E-01 5.141E-01 5.149E-01 5.158E-01
SOIL AIR 1.021E+00 1.039E+00 1.055E+00 1.080E+00 1.094E+00 1.107E+00 1.100E+00 1.097E+00 1.092E+00 1.080E+00 1.081E+00 1.087E+00

SUBLAYER 5

MOISTURE 8.015E-01 8.085E-01 8.172E-01 8.352E-01 8.550E-01 8.736E-01 8.886E-01 8.943E-01 8.978E-01 9.018E-01 9.033E-01 9.054E-01
%SOLUBILITY 3.340E-01 3.369E-01 3.405E-01 3.480E-01 3.563E-01 3.640E-01 3.703E-01 3.726E-01 3.741E-01 3.757E-01 3.764E-01 3.773E-01
ADSORBED 2.713E-01 2.737E-01 2.766E-01 2.827E-01 2.894E-01 2.957E-01 3.008E-01 3.027E-01 3.039E-01 3.053E-01 3.058E-01 3.065E-01
SOIL AIR 5.812E-01 5.938E-01 6.060E-01 6.272E-01 6.410E-01 6.537E-01 6.523E-01 6.513E-01 6.484E-01 6.414E-01 6.421E-01 6.458E-01

SUBLAYER 6

MOISTURE 3.742E-01 3.785E-01 3.840E-01 3.960E-01 4.085E-01 4.201E-01 4.288E-01 4.320E-01 4.338E-01 4.357E-01 4.365E-01 4.378E-01
%SOLUBILITY 1.559E-01 1.577E-01 1.600E-01 1.650E-01 1.702E-01 1.750E-01 1.787E-01 1.800E-01 1.807E-01 1.816E-01 1.819E-01 1.824E-01
ADSORBED 1.267E-01 1.281E-01 1.300E-01 1.340E-01 1.383E-01 1.422E-01 1.452E-01 1.462E-01 1.468E-01 1.475E-01 1.478E-01 1.482E-01
SOIL AIR 2.713E-01 2.780E-01 2.848E-01 2.974E-01 3.062E-01 3.143E-01 3.148E-01 3.146E-01 3.133E-01 3.099E-01 3.103E-01 3.122E-01

SUBLAYER 7

MOISTURE 1.629E-01 1.646E-01 1.667E-01 1.720E-01 1.776E-01 1.828E-01 1.868E-01 1.882E-01 1.890E-01 1.899E-01 1.902E-01 1.907E-01
%SOLUBILITY 6.786E-02 6.857E-02 6.948E-02 7.166E-02 7.401E-02 7.618E-02 7.782E-02 7.842E-02 7.875E-02 7.911E-02 7.925E-02 7.947E-02
ADSORBED 5.514E-02 5.571E-02 5.645E-02 5.822E-02 6.013E-02 6.189E-02 6.322E-02 6.371E-02 6.398E-02 6.427E-02 6.439E-02 6.456E-02
SOIL AIR 1.181E-01 1.209E-01 1.237E-01 1.292E-01 1.332E-01 1.368E-01 1.371E-01 1.371E-01 1.365E-01 1.350E-01 1.352E-01 1.360E-01

SUBLAYER 8

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MOISTURE    8.764E-02 8.797E-02 8.848E-02 8.991E-02 9.182E-02 9.364E-02 9.518E-02 9.580E-02 9.619E-02 9.661E-02 9.677E-02 9.695E-02
%SOLUBILITY 3.652E-02 3.665E-02 3.686E-02 3.746E-02 3.826E-02 3.902E-02 3.966E-02 3.992E-02 4.008E-02 4.026E-02 4.032E-02 4.039E-02
ADSORBED    2.967E-02 2.978E-02 2.995E-02 3.044E-02 3.108E-02 3.170E-02 3.222E-02 3.243E-02 3.256E-02 3.271E-02 3.276E-02 3.282E-02
SOIL AIR    6.355E-02 6.461E-02 6.561E-02 6.752E-02 6.883E-02 7.007E-02 6.987E-02 6.978E-02 6.947E-02 6.872E-02 6.878E-02 6.914E-02

      SUBLAYER 9

MOISTURE    6.846E-02 6.836E-02 6.834E-02 6.843E-02 6.900E-02 6.963E-02 7.035E-02 7.070E-02 7.095E-02 7.126E-02 7.136E-02 7.143E-02
%SOLUBILITY 2.852E-02 2.848E-02 2.847E-02 2.851E-02 2.875E-02 2.901E-02 2.931E-02 2.946E-02 2.956E-02 2.969E-02 2.973E-02 2.976E-02
ADSORBED    2.317E-02 2.314E-02 2.313E-02 2.316E-02 2.336E-02 2.357E-02 2.382E-02 2.393E-02 2.402E-02 2.412E-02 2.416E-02 2.418E-02
SOIL AIR    4.964E-02 5.021E-02 5.068E-02 5.139E-02 5.173E-02 5.210E-02 5.164E-02 5.149E-02 5.125E-02 5.069E-02 5.072E-02 5.095E-02

      SUBLAYER 10

MOISTURE    7.041E-02 7.020E-02 7.005E-02 6.973E-02 6.993E-02 7.024E-02 7.079E-02 7.108E-02 7.132E-02 7.163E-02 7.171E-02 7.177E-02
%SOLUBILITY 2.934E-02 2.925E-02 2.919E-02 2.905E-02 2.914E-02 2.927E-02 2.949E-02 2.962E-02 2.972E-02 2.984E-02 2.988E-02 2.990E-02
ADSORBED    2.383E-02 2.377E-02 2.371E-02 2.360E-02 2.367E-02 2.378E-02 2.396E-02 2.406E-02 2.414E-02 2.425E-02 2.428E-02 2.430E-02
SOIL AIR    5.106E-02 5.156E-02 5.195E-02 5.236E-02 5.243E-02 5.256E-02 5.196E-02 5.177E-02 5.151E-02 5.094E-02 5.098E-02 5.119E-02


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 1.450E-05 1.721E-04 1.841E-04 1.436E-04 7.583E-05 3.182E-05 1.172E-05 0.000E+00 0.000E+00 0.000E+00
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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)      8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)            24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                    1.265
TOTAL MOISTURE RETENTION (CM)            0.001
TOTAL YIELD (CM)                    7.763
0       -- 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)
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   UPPER SOIL ZONE:

      SUBLAYER  1


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:
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SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 1.626E+06
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.599E+00
ADSORBED SOIL (UG/G) 8.799E-01
SOIL AIR (UG/ML) 1.900E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.013E+00
ADSORBED SOIL (UG/G) 6.814E-01
SOIL AIR (UG/ML) 1.471E+00

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SUBLAYER 2

            SOIL MOISTURE (UG/ML)  2.187E+00
            ADSORBED SOIL (UG/G)   7.404E-01
            SOIL AIR (UG/ML)       1.598E+00

SUBLAYER 3

            SOIL MOISTURE (UG/ML)  2.002E+00
            ADSORBED SOIL (UG/G)   6.776E-01
            SOIL AIR (UG/ML)       1.463E+00

SUBLAYER 4

            SOIL MOISTURE (UG/ML)  1.475E+00
            ADSORBED SOIL (UG/G)   4.994E-01
            SOIL AIR (UG/ML)       1.078E+00

SUBLAYER 5

            SOIL MOISTURE (UG/ML)  8.652E-01
            ADSORBED SOIL (UG/G)   2.929E-01
            SOIL AIR (UG/ML)       6.320E-01

SUBLAYER 6

            SOIL MOISTURE (UG/ML)  4.138E-01
            ADSORBED SOIL (UG/G)   1.401E-01
            SOIL AIR (UG/ML)       3.023E-01

SUBLAYER 7

            SOIL MOISTURE (UG/ML)  1.801E-01
            ADSORBED SOIL (UG/G)   6.097E-02
            SOIL AIR (UG/ML)       1.316E-01

SUBLAYER 8

            SOIL MOISTURE (UG/ML)  9.308E-02
            ADSORBED SOIL (UG/G)   3.151E-02
            SOIL AIR (UG/ML)       6.800E-02

SUBLAYER 9

            SOIL MOISTURE (UG/ML)  6.986E-02
            ADSORBED SOIL (UG/G)   2.365E-02
            SOIL AIR (UG/ML)       5.104E-02

SUBLAYER 10

            SOIL MOISTURE (UG/ML)  7.074E-02
            ADSORBED SOIL (UG/G)   2.395E-02
            SOIL AIR (UG/ML)       5.169E-02


            MAX. POLL. DEPTH (M)   1.828E+01

  AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)   5.281E-05
1

YEAR - 30   MONTHLY RESULTS (OUTPUT)
   ========   ========================



  -- HYDROLOGIC CYCLE COMPONENTS --
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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	8.684E+08	9.494E+08	1.039E+09	1.234E+09	1.236E+09	1.186E+09	1.099E+09	1.026E+09	9.779E+08	9.434E+08	9.154E+08	8.833E+08
ADS ON SOIL	5.915E+09	5.868E+09	5.822E+09	5.739E+09	5.716E+09	5.704E+09	5.729E+09	5.749E+09	5.767E+09	5.791E+09	5.797E+09	5.797E+09
IN SOIL AIR	1.751E+09	1.695E+09	1.626E+09	1.466E+09	1.452E+09	1.482E+09	1.528E+09	1.577E+09	1.606E+09	1.616E+09	1.637E+09	1.665E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	1.116E+08	1.221E+08	1.337E+08	1.589E+08	1.590E+08	1.526E+08	1.413E+08	1.320E+08	1.258E+08	1.214E+08	1.178E+08	1.136E+08
ADS ON SOIL	7.602E+08	7.545E+08	7.490E+08	7.385E+08	7.354E+08	7.339E+08	7.370E+08	7.396E+08	7.419E+08	7.450E+08	7.457E+08	7.458E+08
IN SOIL AIR	2.251E+08	2.179E+08	2.092E+08	1.886E+08	1.868E+08	1.907E+08	1.966E+08	2.029E+08	2.066E+08	2.078E+08	2.106E+08	2.142E+08

SUBLAYER 2

IN SOIL MOI	1.347E+08	1.474E+08	1.615E+08	1.922E+08	1.926E+08	1.849E+08	1.714E+08	1.601E+08	1.526E+08	1.472E+08	1.428E+08	1.378E+08

ADS ON SOIL 9.173E+08 9.112E+08 9.052E+08 8.938E+08 8.907E+08 8.897E+08 8.938E+08 8.969E+08 8.998E+08 9.036E+08 9.045E+08 9.047E+08
I SOIL AIR 2.716E+08 2.632E+08 2.529E+08 2.282E+08 2.263E+08 2.312E+08 2.384E+08 2.461E+08 2.505E+08 2.521E+08 2.554E+08 2.599E+08

SUBLAYER 3

IN SOIL MOI 1.515E+08 1.661E+08 1.823E+08 2.177E+08 2.186E+08 2.104E+08 1.952E+08 1.823E+08 1.738E+08 1.677E+08 1.627E+08 1.571E+08
ADS ON SOIL 1.032E+09 1.026E+09 1.022E+09 1.012E+09 1.011E+09 1.012E+09 1.018E+09 1.022E+09 1.025E+09 1.029E+09 1.031E+09 1.031E+09
IN SOIL AIR 3.055E+08 2.965E+08 2.854E+08 2.584E+08 2.569E+08 2.630E+08 2.715E+08 2.803E+08 2.854E+08 2.872E+08 2.910E+08 2.962E+08

SUBLAYER 4

IN SOIL MOI 1.491E+08 1.639E+08 1.804E+08 2.166E+08 2.184E+08 2.110E+08 1.961E+08 1.833E+08 1.747E+08 1.686E+08 1.636E+08 1.580E+08
ADS ON SOIL 1.016E+09 1.013E+09 1.011E+09 1.007E+09 1.010E+09 1.015E+09 1.023E+09 1.027E+09 1.030E+09 1.035E+09 1.036E+09 1.037E+09
IN SOIL AIR 3.007E+08 2.926E+08 2.824E+08 2.572E+08 2.567E+08 2.637E+08 2.728E+08 2.817E+08 2.869E+08 2.887E+08 2.925E+08 2.979E+08

SUBLAYER 5

IN SOIL MOI 1.224E+08 1.349E+08 1.491E+08 1.802E+08 1.827E+08 1.773E+08 1.653E+08 1.545E+08 1.474E+08 1.422E+08 1.380E+08 1.333E+08
ADS ON SOIL 8.336E+08 8.340E+08 8.353E+08 8.378E+08 8.453E+08 8.530E+08 8.619E+08 8.660E+08 8.690E+08 8.728E+08 8.740E+08 8.750E+08
IN SOIL AIR 2.468E+08 2.409E+08 2.333E+08 2.139E+08 2.148E+08 2.216E+08 2.299E+08 2.376E+08 2.420E+08 2.435E+08 2.468E+08 2.513E+08

SUBLAYER 6

IN SOIL MOI 8.144E+07 9.007E+07 9.984E+07 1.217E+08 1.242E+08 1.211E+08 1.133E+08 1.060E+08 1.011E+08 9.752E+07 9.467E+07 9.150E+07
ADS ON SOIL 5.547E+08 5.567E+08 5.595E+08 5.656E+08 5.744E+08 5.828E+08 5.906E+08 5.938E+08 5.960E+08 5.986E+08 5.995E+08 6.005E+08
IN SOIL AIR 1.643E+08 1.608E+08 1.563E+08 1.444E+08 1.459E+08 1.514E+08 1.575E+08 1.629E+08 1.660E+08 1.670E+08 1.693E+08 1.725E+08

SUBLAYER 7

IN SOIL MOI 4.374E+07 4.849E+07 5.390E+07 6.618E+07 6.799E+07 6.669E+07 6.253E+07 5.856E+07 5.586E+07 5.391E+07 5.234E+07 5.060E+07
ADS ON SOIL 2.979E+08 2.997E+08 3.021E+08 3.077E+08 3.145E+08 3.208E+08 3.261E+08 3.282E+08 3.294E+08 3.309E+08 3.314E+08 3.321E+08
IN SOIL AIR 8.821E+07 8.657E+07 8.438E+07 7.858E+07 7.990E+07 8.336E+07 8.697E+07 9.002E+07 9.174E+07 9.231E+07 9.358E+07 9.540E+07

SUBLAYER 8

SOIL MOI 1.987E+07 2.204E+07 2.452E+07 3.024E+07 3.119E+07 3.070E+07 2.884E+07 2.703E+07 2.579E+07 2.489E+07 2.417E+07 2.336E+07
ADS ON SOIL 1.354E+08 1.362E+08 1.374E+08 1.406E+08 1.443E+08 1.477E+08 1.504E+08 1.515E+08 1.521E+08 1.528E+08 1.530E+08 1.533E+08
IN SOIL AIR 4.008E+07 3.935E+07 3.839E+07 3.590E+07 3.666E+07 3.838E+07 4.012E+07 4.155E+07 4.235E+07 4.262E+07 4.321E+07 4.405E+07

SUBLAYER 9

IN SOIL MOI 9.225E+06 1.020E+07 1.131E+07 1.386E+07 1.425E+07 1.398E+07 1.312E+07 1.229E+07 1.173E+07 1.131E+07 1.098E+07 1.062E+07
ADS ON SOIL 6.283E+07 6.302E+07 6.335E+07 6.445E+07 6.591E+07 6.727E+07 6.839E+07 6.886E+07 6.915E+07 6.945E+07 6.955E+07 6.967E+07
IN SOIL AIR 1.860E+07 1.821E+07 1.770E+07 1.646E+07 1.675E+07 1.748E+07 1.824E+07 1.889E+07 1.925E+07 1.937E+07 1.964E+07 2.001E+07

SUBLAYER 10

IN SOIL MOI 6.167E+06 6.786E+06 7.482E+06 9.045E+06 9.186E+06 8.925E+06 8.326E+06 7.788E+06 7.428E+06 7.167E+06 6.957E+06 6.719E+06
ADS ON SOIL 4.201E+07 4.194E+07 4.193E+07 4.205E+07 4.249E+07 4.293E+07 4.341E+07 4.364E+07 4.381E+07 4.400E+07 4.405E+07 4.410E+07
IN SOIL AIR 1.244E+07 1.212E+07 1.171E+07 1.074E+07 1.079E+07 1.116E+07 1.158E+07 1.197E+07 1.220E+07 1.227E+07 1.244E+07 1.267E+07
GWR. RUNOFF 0.000E+00 0.000E+00 4.914E+04 5.868E+05 6.331E+05 4.970E+05 2.635E+05 1.108E+05 4.083E+04 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 2.115E+00 2.098E+00 2.082E+00 2.052E+00 2.044E+00 2.040E+00 2.049E+00 2.056E+00 2.062E+00 2.071E+00 2.073E+00 2.073E+00
%SOLUBILITY 8.814E-01 8.743E-01 8.675E-01 8.552E-01 8.516E-01 8.500E-01 8.536E-01 8.565E-01 8.593E-01 8.629E-01 8.638E-01 8.638E-01
ADSORBED 7.161E-01 7.103E-01 7.048E-01 6.948E-01 6.919E-01 6.906E-01 6.935E-01 6.959E-01 6.981E-01 7.011E-01 7.018E-01 7.018E-01
SOIL AIR 1.534E+00 1.541E+00 1.544E+00 1.541E+00 1.532E+00 1.526E+00 1.504E+00 1.497E+00 1.489E+00 1.473E+00 1.474E+00 1.479E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.682E+00 1.669E+00 1.657E+00 1.634E+00 1.627E+00 1.624E+00 1.631E+00 1.636E+00 1.642E+00 1.648E+00 1.650E+00 1.650E+00
%SOLUBILITY 7.008E-01 6.956E-01 6.905E-01 6.809E-01 6.780E-01 6.766E-01 6.795E-01 6.818E-01 6.840E-01 6.869E-01 6.875E-01 6.876E-01
ADSORBED 5.694E-01 5.651E-01 5.610E-01 5.532E-01 5.508E-01 5.497E-01 5.521E-01 5.540E-01 5.557E-01 5.580E-01 5.586E-01 5.586E-01
SOIL AIR 1.220E+00 1.226E+00 1.229E+00 1.227E+00 1.220E+00 1.215E+00 1.197E+00 1.192E+00 1.186E+00 1.172E+00 1.173E+00 1.177E+00

SUBLAYER 2

MOISTURE 2.030E+00 2.016E+00 2.003E+00 1.978E+00 1.971E+00 1.969E+00 1.978E+00 1.985E+00 1.991E+00 1.999E+00 2.001E+00 2.002E+00
%SOLUBILITY 8.457E-01 8.400E-01 8.346E-01 8.240E-01 8.212E-01 8.202E-01 8.241E-01 8.269E-01 8.295E-01 8.330E-01 8.339E-01 8.341E-01
ADSORBED 6.871E-01 6.825E-01 6.780E-01 6.695E-01 6.672E-01 6.664E-01 6.695E-01 6.718E-01 6.740E-01 6.768E-01 6.775E-01 6.777E-01
SOIL AIR 1.472E+00 1.481E+00 1.485E+00 1.485E+00 1.477E+00 1.473E+00 1.452E+00 1.445E+00 1.438E+00 1.422E+00 1.423E+00 1.428E+00

SUBLAYER 3

MOISTURE 2.283E+00 2.271E+00 2.261E+00 2.239E+00 2.237E+00 2.239E+00 2.252E+00 2.261E+00 2.268E+00 2.278E+00 2.280E+00 2.281E+00
%SOLUBILITY 9.512E-01 9.464E-01 9.419E-01 9.331E-01 9.322E-01 9.331E-01 9.385E-01 9.420E-01 9.450E-01 9.490E-01 9.501E-01 9.505E-01
ADSORBED 7.728E-01 7.689E-01 7.653E-01 7.581E-01 7.574E-01 7.581E-01 7.625E-01 7.653E-01 7.678E-01 7.711E-01 7.719E-01 7.723E-01
SOIL AIR 1.656E+00 1.668E+00 1.676E+00 1.682E+00 1.677E+00 1.676E+00 1.653E+00 1.647E+00 1.638E+00 1.620E+00 1.621E+00 1.627E+00

SUBLAYER 4

MOISTURE 2.247E+00 2.242E+00 2.237E+00 2.228E+00 2.236E+00 2.246E+00 2.263E+00 2.272E+00 2.280E+00 2.290E+00 2.293E+00 2.294E+00
%SOLUBILITY 9.364E-01 9.340E-01 9.322E-01 9.285E-01 9.315E-01 9.356E-01 9.429E-01 9.468E-01 9.500E-01 9.541E-01 9.552E-01 9.560E-01
ADSORBED 7.608E-01 7.588E-01 7.573E-01 7.543E-01 7.568E-01 7.601E-01 7.661E-01 7.693E-01 7.718E-01 7.751E-01 7.761E-01 7.767E-01
SOIL AIR 1.630E+00 1.646E+00 1.659E+00 1.673E+00 1.676E+00 1.680E+00 1.661E+00 1.655E+00 1.647E+00 1.629E+00 1.630E+00 1.636E+00

SUBLAYER 5

MOISTURE 1.845E+00 1.845E+00 1.848E+00 1.854E+00 1.870E+00 1.887E+00 1.907E+00 1.916E+00 1.923E+00 1.931E+00 1.934E+00 1.936E+00
%SOLUBILITY 7.686E-01 7.689E-01 7.701E-01 7.724E-01 7.793E-01 7.864E-01 7.946E-01 7.984E-01 8.012E-01 8.047E-01 8.057E-01 8.067E-01
ADSORBED 6.244E-01 6.247E-01 6.257E-01 6.276E-01 6.331E-01 6.389E-01 6.456E-01 6.487E-01 6.509E-01 6.537E-01 6.546E-01 6.554E-01
SOIL AIR 1.338E+00 1.355E+00 1.371E+00 1.392E+00 1.402E+00 1.412E+00 1.400E+00 1.396E+00 1.389E+00 1.374E+00 1.375E+00 1.381E+00

SUBLAYER 6

MOISTURE 1.227E+00 1.232E+00 1.238E+00 1.252E+00 1.271E+00 1.289E+00 1.307E+00 1.314E+00 1.319E+00 1.325E+00 1.327E+00 1.329E+00
%SOLUBILITY 5.114E-01 5.132E-01 5.158E-01 5.215E-01 5.295E-01 5.373E-01 5.445E-01 5.475E-01 5.495E-01 5.519E-01 5.527E-01 5.536E-01
ADSORBED 4.155E-01 4.170E-01 4.191E-01 4.237E-01 4.302E-01 4.365E-01 4.424E-01 4.448E-01 4.464E-01 4.484E-01 4.491E-01 4.498E-01
SOIL AIR 8.901E-01 9.047E-01 9.181E-01 9.400E-01 9.527E-01 9.649E-01 9.592E-01 9.570E-01 9.525E-01 9.421E-01 9.430E-01 9.477E-01

SUBLAYER 7

MOISTURE 6.592E-01 6.631E-01 6.684E-01 6.809E-01 6.959E-01 7.099E-01 7.215E-01 7.261E-01 7.290E-01 7.322E-01 7.334E-01 7.348E-01
%SOLUBILITY 2.747E-01 2.763E-01 2.785E-01 2.837E-01 2.899E-01 2.958E-01 3.006E-01 3.025E-01 3.037E-01 3.051E-01 3.056E-01 3.062E-01
ADSORBED 2.232E-01 2.245E-01 2.263E-01 2.305E-01 2.356E-01 2.403E-01 2.442E-01 2.458E-01 2.468E-01 2.479E-01 2.483E-01 2.488E-01
SOIL AIR 4.780E-01 4.870E-01 4.957E-01 5.113E-01 5.216E-01 5.312E-01 5.296E-01 5.288E-01 5.265E-01 5.208E-01 5.213E-01 5.241E-01

SUBLAYER 8

MOISTURE 2.995E-01 3.014E-01 3.041E-01 3.110E-01 3.193E-01 3.268E-01 3.328E-01 3.352E-01 3.365E-01 3.380E-01 3.386E-01 3.393E-01

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%SOLUBILITY 1.248E-01 1.256E-01 1.267E-01 1.296E-01 1.330E-01 1.362E-01 1.387E-01 1.396E-01 1.402E-01 1.409E-01 1.411E-01 1.414E-01
DSORBED    1.014E-01 1.020E-01 1.029E-01 1.053E-01 1.081E-01 1.106E-01 1.127E-01 1.135E-01 1.139E-01 1.144E-01 1.146E-01 1.149E-01
OIL AIR    2.172E-01 2.214E-01 2.255E-01 2.336E-01 2.393E-01 2.446E-01 2.443E-01 2.441E-01 2.431E-01 2.404E-01 2.407E-01 2.420E-01

      SUBLAYER  9

MOISTURE    1.390E-01 1.395E-01 1.402E-01 1.426E-01 1.458E-01 1.489E-01 1.513E-01 1.524E-01 1.530E-01 1.537E-01 1.539E-01 1.542E-01
%SOLUBILITY 5.793E-02 5.810E-02 5.841E-02 5.942E-02 6.077E-02 6.202E-02 6.305E-02 6.349E-02 6.375E-02 6.403E-02 6.413E-02 6.423E-02
ADSORBED    4.706E-02 4.721E-02 4.745E-02 4.827E-02 4.937E-02 5.039E-02 5.123E-02 5.158E-02 5.179E-02 5.202E-02 5.210E-02 5.219E-02
SOIL AIR    1.008E-01 1.024E-01 1.040E-01 1.071E-01 1.093E-01 1.114E-01 1.111E-01 1.110E-01 1.105E-01 1.093E-01 1.094E-01 1.100E-01

      SUBLAYER 10

MOISTURE    9.295E-02 9.280E-02 9.277E-02 9.305E-02 9.401E-02 9.500E-02 9.606E-02 9.657E-02 9.693E-02 9.735E-02 9.747E-02 9.757E-02
%SOLUBILITY 3.873E-02 3.867E-02 3.865E-02 3.877E-02 3.917E-02 3.958E-02 4.002E-02 4.024E-02 4.039E-02 4.056E-02 4.061E-02 4.066E-02
ADSORBED    3.146E-02 3.142E-02 3.140E-02 3.150E-02 3.183E-02 3.216E-02 3.252E-02 3.269E-02 3.281E-02 3.295E-02 3.300E-02 3.303E-02
SOIL AIR    6.740E-02 6.816E-02 6.880E-02 6.988E-02 7.048E-02 7.109E-02 7.051E-02 7.033E-02 7.000E-02 6.924E-02 6.929E-02 6.959E-02


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03


   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 1.921E-05 2.296E-04 2.475E-04 1.943E-04 1.029E-04 4.323E-05 1.592E-05 0.000E+00 0.000E+00 0.000E+00
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
OWER SOIL ZONE           0.000E+00


      -- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)        8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)              24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                   1.265
TOTAL MOISTURE RETENTION (CM)              0.001
TOTAL YIELD (CM)                   7.763
0       -- 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)
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   UPPER SOIL ZONE:

      SUBLAYER  1


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1
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LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 2.181E+06
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.068E+00
ADSORBED SOIL (UG/G) 7.000E-01
SOIL AIR (UG/ML) 1.511E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.646E+00
ADSORBED SOIL (UG/G) 5.572E-01
SOIL AIR (UG/ML) 1.203E+00

SUBLAYER 2

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                SOIL MOISTURE (UG/ML)  1.993E+00
                ADSORBED SOIL (UG/G)   6.748E-01
                SOIL AIR (UG/ML)       1.457E+00

      SUBLAYER  3

                SOIL MOISTURE (UG/ML)  2.263E+00
                ADSORBED SOIL (UG/G)   7.659E-01
                SOIL AIR (UG/ML)       1.653E+00

      SUBLAYER  4

                SOIL MOISTURE (UG/ML)  2.261E+00
                ADSORBED SOIL (UG/G)   7.653E-01
                SOIL AIR (UG/ML)       1.652E+00

      SUBLAYER  5

                SOIL MOISTURE (UG/ML)  1.891E+00
                ADSORBED SOIL (UG/G)   6.403E-01
                SOIL AIR (UG/ML)       1.382E+00

      SUBLAYER  6

                SOIL MOISTURE (UG/ML)  1.286E+00
                ADSORBED SOIL (UG/G)   4.352E-01
                SOIL AIR (UG/ML)       9.393E-01

      SUBLAYER  7

                SOIL MOISTURE (UG/ML)  7.045E-01
                ADSORBED SOIL (UG/G)   2.385E-01
                SOIL AIR (UG/ML)       5.147E-01

      SUBLAYER  8

                SOIL MOISTURE (UG/ML)  3.236E-01
                ADSORBED SOIL (UG/G)   1.095E-01
                SOIL AIR (UG/ML)       2.363E-01

      SUBLAYER  9

                SOIL MOISTURE (UG/ML)  1.479E-01
                ADSORBED SOIL (UG/G)   5.006E-02
                SOIL AIR (UG/ML)       1.080E-01

      SUBLAYER 10

                SOIL MOISTURE (UG/ML)  9.521E-02
                ADSORBED SOIL (UG/G)   3.223E-02
                SOIL AIR (UG/ML)       6.956E-02


                MAX. POLL. DEPTH (M)   1.828E+01

  AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)  7.105E-05
1


YEAR -  40    MONTHLY RESULTS (OUTPUT)
   ========   ========================


   -- HYDROLOGIC CYCLE COMPONENTS --
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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	6.908E+08	7.552E+08	8.264E+08	9.820E+08	9.829E+08	9.432E+08	8.739E+08	8.160E+08	7.778E+08	7.504E+08	7.282E+08	7.026E+08
ADS ON SOIL	4.705E+09	4.667E+09	4.631E+09	4.565E+09	4.546E+09	4.537E+09	4.557E+09	4.573E+09	4.587E+09	4.606E+09	4.611E+09	4.611E+09
IN SOIL AIR	1.393E+09	1.348E+09	1.294E+09	1.166E+09	1.155E+09	1.179E+09	1.215E+09	1.254E+09	1.277E+09	1.285E+09	1.302E+09	1.325E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	8.924E+07	9.760E+07	1.068E+08	1.270E+08	1.271E+08	1.219E+08	1.129E+08	1.054E+08	1.005E+08	9.697E+07	9.408E+07	9.078E+07
ADS ON SOIL	6.078E+08	6.032E+08	5.987E+08	5.903E+08	5.877E+08	5.864E+08	5.889E+08	5.909E+08	5.927E+08	5.952E+08	5.958E+08	5.958E+08
IN SOIL AIR	1.800E+08	1.743E+08	1.672E+08	1.507E+08	1.493E+08	1.524E+08	1.571E+08	1.621E+08	1.650E+08	1.660E+08	1.682E+08	1.712E+08

SUBLAYER 2

IN SOIL MOI	1.112E+08	1.217E+08	1.332E+08	1.583E+08	1.585E+08	1.521E+08	1.409E+08	1.315E+08	1.254E+08	1.210E+08	1.174E+08	1.133E+08
ADS ON SOIL	7.574E+08	7.519E+08	7.465E+08	7.361E+08	7.330E+08	7.315E+08	7.346E+08	7.371E+08	7.394E+08	7.426E+08	7.433E+08	7.434E+08
IN SOIL AIR	2.243E+08	2.172E+08	2.085E+08	1.880E+08	1.862E+08	1.901E+08	1.959E+08	2.022E+08	2.059E+08	2.071E+08	2.099E+08	2.136E+08

SUBLAYER 3

SOIL MOI 1.369E+08 1.499E+08 1.643E+08 1.955E+08 1.958E+08 1.881E+08 1.743E+08 1.628E+08 1.552E+08 1.497E+08 1.453E+08 1.402E+08
ADS ON SOIL 9.327E+08 9.265E+08 9.206E+08 9.089E+08 9.058E+08 9.047E+08 9.090E+08 9.121E+08 9.150E+08 9.188E+08 9.198E+08 9.200E+08
IN SOIL AIR 2.762E+08 2.676E+08 2.571E+08 2.321E+08 2.301E+08 2.351E+08 2.424E+08 2.502E+08 2.548E+08 2.563E+08 2.597E+08 2.643E+08

SUBLAYER 4

IN SOIL MOI 1.590E+08 1.743E+08 1.913E+08 2.282E+08 2.291E+08 2.204E+08 2.045E+08 1.910E+08 1.820E+08 1.756E+08 1.704E+08 1.645E+08
ADS ON SOIL 1.083E+09 1.077E+09 1.072E+09 1.061E+09 1.060E+09 1.060E+09 1.066E+09 1.070E+09 1.073E+09 1.078E+09 1.079E+09 1.080E+09
IN SOIL AIR 3.206E+08 3.111E+08 2.994E+08 2.710E+08 2.692E+08 2.755E+08 2.844E+08 2.936E+08 2.989E+08 3.007E+08 3.047E+08 3.101E+08

SUBLAYER 5

IN SOIL MOI 1.643E+08 1.804E+08 1.985E+08 2.379E+08 2.396E+08 2.311E+08 2.148E+08 2.006E+08 1.913E+08 1.845E+08 1.791E+08 1.729E+08
ADS ON SOIL 1.119E+09 1.115E+09 1.112E+09 1.106E+09 1.108E+09 1.112E+09 1.120E+09 1.124E+09 1.128E+09 1.133E+09 1.134E+09 1.135E+09
IN SOIL AIR 3.313E+08 3.222E+08 3.107E+08 2.824E+08 2.815E+08 2.889E+08 2.987E+08 3.084E+08 3.141E+08 3.160E+08 3.202E+08 3.260E+08

SUBLAYER 6

IN SOIL MOI 1.436E+08 1.580E+08 1.743E+08 2.101E+08 2.125E+08 2.058E+08 1.916E+08 1.791E+08 1.708E+08 1.648E+08 1.599E+08 1.545E+08
ADS ON SOIL 9.778E+08 9.768E+08 9.767E+08 9.766E+08 9.829E+08 9.900E+08 9.992E+08 1.004E+09 1.007E+09 1.012E+09 1.013E+09 1.014E+09
IN SOIL AIR 2.895E+08 2.822E+08 2.728E+08 2.494E+08 2.497E+08 2.572E+08 2.665E+08 2.754E+08 2.805E+08 2.822E+08 2.860E+08 2.912E+08

SUBLAYER 7

IN SOIL MOI 1.021E+08 1.127E+08 1.246E+08 1.511E+08 1.537E+08 1.495E+08 1.396E+08 1.305E+08 1.245E+08 1.201E+08 1.166E+08 1.127E+08
ADS ON SOIL 6.956E+08 6.964E+08 6.982E+08 7.027E+08 7.110E+08 7.193E+08 7.278E+08 7.315E+08 7.342E+08 7.374E+08 7.384E+08 7.394E+08
IN SOIL AIR 2.060E+08 2.012E+08 1.950E+08 1.794E+08 1.806E+08 1.869E+08 1.941E+08 2.007E+08 2.044E+08 2.057E+08 2.085E+08 2.124E+08

SUBLAYER 8

IN SOIL MOI 5.794E+07 6.404E+07 7.096E+07 8.663E+07 8.861E+07 8.659E+07 8.103E+07 7.585E+07 7.235E+07 6.981E+07 6.777E+07 6.550E+07
ADS ON SOIL 3.946E+08 3.958E+08 3.977E+08 4.027E+08 4.098E+08 4.165E+08 4.225E+08 4.250E+08 4.267E+08 4.285E+08 4.292E+08 4.299E+08
IN SOIL AIR 1.168E+08 1.143E+08 1.111E+08 1.028E+08 1.041E+08 1.082E+08 1.127E+08 1.166E+08 1.188E+08 1.195E+08 1.212E+08 1.235E+08

SUBLAYER 9

IN SOIL MOI 2.676E+07 2.958E+07 3.279E+07 4.020E+07 4.130E+07 4.050E+07 3.797E+07 3.557E+07 3.394E+07 3.275E+07 3.179E+07 3.072E+07
ADS ON SOIL 1.822E+08 1.828E+08 1.838E+08 1.869E+08 1.910E+08 1.948E+08 1.980E+08 1.993E+08 2.001E+08 2.010E+08 2.013E+08 2.016E+08
IN SOIL AIR 5.396E+07 5.281E+07 5.133E+07 4.772E+07 4.853E+07 5.062E+07 5.281E+07 5.468E+07 5.573E+07 5.608E+07 5.684E+07 5.792E+07

SUBLAYER 10

IN SOIL MOI 1.199E+07 1.322E+07 1.461E+07 1.784E+07 1.829E+07 1.790E+07 1.677E+07 1.571E+07 1.499E+07 1.446E+07 1.404E+07 1.356E+07
ADS ON SOIL 8.166E+07 8.169E+07 8.187E+07 8.295E+07 8.461E+07 8.613E+07 8.744E+07 8.802E+07 8.839E+07 8.877E+07 8.890E+07 8.901E+07
IN SOIL AIR 2.418E+07 2.360E+07 2.287E+07 2.118E+07 2.150E+07 2.238E+07 2.332E+07 2.415E+07 2.461E+07 2.477E+07 2.510E+07 2.557E+07
GWR. RUNOFF 0.000E+00 0.000E+00 9.585E+04 1.152E+06 1.255E+06 9.935E+05 5.297E+05 2.233E+05 8.236E+04 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09

%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 1.683E+00 1.669E+00 1.656E+00 1.633E+00 1.626E+00 1.623E+00 1.630E+00 1.635E+00 1.640E+00 1.647E+00 1.649E+00 1.649E+00
%SOLUBILITY 7.011E-01 6.954E-01 6.900E-01 6.802E-01 6.774E-01 6.761E-01 6.790E-01 6.813E-01 6.835E-01 6.864E-01 6.871E-01 6.871E-01
ADSORBED 5.696E-01 5.650E-01 5.606E-01 5.527E-01 5.504E-01 5.493E-01 5.516E-01 5.535E-01 5.553E-01 5.576E-01 5.582E-01 5.582E-01
SOIL AIR 1.220E+00 1.226E+00 1.228E+00 1.226E+00 1.219E+00 1.214E+00 1.196E+00 1.191E+00 1.185E+00 1.172E+00 1.172E+00 1.176E+00

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.345E+00 1.335E+00 1.325E+00 1.306E+00 1.300E+00 1.298E+00 1.303E+00 1.307E+00 1.311E+00 1.317E+00 1.318E+00 1.318E+00
%SOLUBILITY 5.604E-01 5.561E-01 5.520E-01 5.442E-01 5.418E-01 5.406E-01 5.429E-01 5.447E-01 5.464E-01 5.488E-01 5.493E-01 5.493E-01
ADSORBED 4.553E-01 4.518E-01 4.485E-01 4.421E-01 4.402E-01 4.392E-01 4.411E-01 4.426E-01 4.440E-01 4.458E-01 4.463E-01 4.463E-01
SOIL AIR 9.753E-01 9.803E-01 9.825E-01 9.809E-01 9.748E-01 9.709E-01 9.565E-01 9.522E-01 9.472E-01 9.367E-01 9.371E-01 9.403E-01

SUBLAYER 2

MOISTURE 1.676E+00 1.664E+00 1.652E+00 1.629E+00 1.622E+00 1.619E+00 1.626E+00 1.631E+00 1.636E+00 1.643E+00 1.645E+00 1.645E+00
%SOLUBILITY 6.983E-01 6.932E-01 6.882E-01 6.787E-01 6.758E-01 6.744E-01 6.773E-01 6.796E-01 6.817E-01 6.846E-01 6.853E-01 6.854E-01
ADSORBED 5.673E-01 5.632E-01 5.591E-01 5.514E-01 5.490E-01 5.479E-01 5.503E-01 5.521E-01 5.539E-01 5.562E-01 5.568E-01 5.569E-01
SOIL AIR 1.215E+00 1.222E+00 1.225E+00 1.223E+00 1.216E+00 1.211E+00 1.193E+00 1.188E+00 1.182E+00 1.169E+00 1.169E+00 1.173E+00

SUBLAYER 3

MOISTURE 2.064E+00 2.050E+00 2.037E+00 2.011E+00 2.004E+00 2.002E+00 2.011E+00 2.018E+00 2.025E+00 2.033E+00 2.035E+00 2.036E+00
%SOLUBILITY 8.599E-01 8.542E-01 8.487E-01 8.380E-01 8.351E-01 8.341E-01 8.380E-01 8.409E-01 8.436E-01 8.471E-01 8.480E-01 8.482E-01
ADSORBED 6.986E-01 6.940E-01 6.895E-01 6.808E-01 6.785E-01 6.777E-01 6.808E-01 6.832E-01 6.853E-01 6.882E-01 6.890E-01 6.891E-01
SOIL AIR 1.497E+00 1.506E+00 1.511E+00 1.510E+00 1.503E+00 1.498E+00 1.476E+00 1.470E+00 1.462E+00 1.446E+00 1.447E+00 1.452E+00

SUBLAYER 4

MOISTURE 2.396E+00 2.383E+00 2.371E+00 2.348E+00 2.345E+00 2.346E+00 2.359E+00 2.368E+00 2.375E+00 2.385E+00 2.388E+00 2.389E+00
%SOLUBILITY 9.983E-01 9.930E-01 9.881E-01 9.783E-01 9.769E-01 9.774E-01 9.830E-01 9.865E-01 9.897E-01 9.939E-01 9.950E-01 9.954E-01
ADSORBED 8.111E-01 8.068E-01 8.028E-01 7.948E-01 7.937E-01 7.941E-01 7.986E-01 8.015E-01 8.041E-01 8.075E-01 8.084E-01 8.087E-01
SOIL AIR 1.737E+00 1.750E+00 1.759E+00 1.763E+00 1.758E+00 1.755E+00 1.732E+00 1.724E+00 1.715E+00 1.697E+00 1.697E+00 1.704E+00

SUBLAYER 5

MOISTURE 2.476E+00 2.468E+00 2.461E+00 2.447E+00 2.452E+00 2.460E+00 2.478E+00 2.488E+00 2.496E+00 2.507E+00 2.510E+00 2.511E+00
%SOLUBILITY 1.032E+00 1.028E+00 1.025E+00 1.020E+00 1.022E+00 1.025E+00 1.032E+00 1.037E+00 1.040E+00 1.044E+00 1.046E+00 1.046E+00
ADSORBED 8.381E-01 8.353E-01 8.330E-01 8.283E-01 8.300E-01 8.328E-01 8.388E-01 8.421E-01 8.449E-01 8.485E-01 8.495E-01 8.501E-01
SOIL AIR 1.795E+00 1.812E+00 1.825E+00 1.838E+00 1.838E+00 1.841E+00 1.819E+00 1.812E+00 1.803E+00 1.783E+00 1.784E+00 1.791E+00

SUBLAYER 6

MOISTURE 2.164E+00 2.161E+00 2.161E+00 2.161E+00 2.175E+00 2.191E+00 2.211E+00 2.221E+00 2.229E+00 2.238E+00 2.241E+00 2.243E+00
%SOLUBILITY 9.015E-01 9.005E-01 9.004E-01 9.004E-01 9.062E-01 9.127E-01 9.212E-01 9.254E-01 9.286E-01 9.326E-01 9.338E-01 9.347E-01
ADSORBED 7.324E-01 7.316E-01 7.316E-01 7.315E-01 7.363E-01 7.415E-01 7.485E-01 7.518E-01 7.544E-01 7.577E-01 7.587E-01 7.594E-01
SOIL AIR 1.569E+00 1.587E+00 1.603E+00 1.623E+00 1.630E+00 1.639E+00 1.623E+00 1.618E+00 1.610E+00 1.592E+00 1.593E+00 1.600E+00

SUBLAYER 7

MOISTURE 1.539E+00 1.541E+00 1.545E+00 1.555E+00 1.573E+00 1.592E+00 1.610E+00 1.619E+00 1.624E+00 1.632E+00 1.634E+00 1.636E+00
%SOLUBILITY 6.413E-01 6.421E-01 6.437E-01 6.478E-01 6.555E-01 6.632E-01 6.710E-01 6.744E-01 6.769E-01 6.798E-01 6.808E-01 6.817E-01
ADSORBED 5.210E-01 5.217E-01 5.230E-01 5.263E-01 5.326E-01 5.388E-01 5.451E-01 5.480E-01 5.499E-01 5.523E-01 5.531E-01 5.538E-01
SOIL AIR 1.116E+00 1.132E+00 1.146E+00 1.168E+00 1.179E+00 1.191E+00 1.182E+00 1.179E+00 1.173E+00 1.160E+00 1.161E+00 1.167E+00

SUBLAYER 8

MOISTURE 8.732E-01 8.758E-01 8.799E-01 8.911E-01 9.068E-01 9.217E-01 9.349E-01 9.405E-01 9.441E-01 9.482E-01 9.496E-01 9.512E-01
%SOLUBILITY 3.638E-01 3.649E-01 3.666E-01 3.713E-01 3.779E-01 3.840E-01 3.895E-01 3.919E-01 3.934E-01 3.951E-01 3.957E-01 3.963E-01
ADSORBED 2.956E-01 2.965E-01 2.979E-01 3.017E-01 3.070E-01 3.120E-01 3.165E-01 3.184E-01 3.196E-01 3.210E-01 3.215E-01 3.220E-01
SOIL AIR 6.332E-01 6.432E-01 6.525E-01 6.692E-01 6.798E-01 6.897E-01 6.863E-01 6.849E-01 6.818E-01 6.744E-01 6.750E-01 6.784E-01

SUBLAYER 9

MOISTURE 4.032E-01 4.045E-01 4.066E-01 4.135E-01 4.227E-01 4.311E-01 4.381E-01 4.410E-01 4.428E-01 4.448E-01 4.454E-01 4.462E-01
%SOLUBILITY 1.680E-01 1.685E-01 1.694E-01 1.723E-01 1.761E-01 1.796E-01 1.825E-01 1.838E-01 1.845E-01 1.853E-01 1.856E-01 1.859E-01
ADSORBED 1.365E-01 1.369E-01 1.376E-01 1.400E-01 1.431E-01 1.459E-01 1.483E-01 1.493E-01 1.499E-01 1.506E-01 1.508E-01 1.510E-01
SOIL AIR 2.924E-01 2.971E-01 3.015E-01 3.105E-01 3.169E-01 3.226E-01 3.216E-01 3.212E-01 3.198E-01 3.164E-01 3.166E-01 3.182E-01

SUBLAYER 10

MOISTURE 1.807E-01 1.807E-01 1.812E-01 1.835E-01 1.872E-01 1.906E-01 1.935E-01 1.948E-01 1.956E-01 1.964E-01 1.967E-01 1.970E-01
%SOLUBILITY 7.529E-02 7.531E-02 7.548E-02 7.647E-02 7.800E-02 7.941E-02 8.061E-02 8.115E-02 8.149E-02 8.185E-02 8.196E-02 8.206E-02
ADSORBED 6.117E-02 6.119E-02 6.132E-02 6.213E-02 6.337E-02 6.452E-02 6.549E-02 6.593E-02 6.621E-02 6.650E-02 6.659E-02 6.667E-02
SOIL AIR 1.310E-01 1.328E-01 1.343E-01 1.378E-01 1.403E-01 1.426E-01 1.420E-01 1.419E-01 1.413E-01 1.397E-01 1.398E-01 1.405E-01

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 3.751E-05 4.529E-04 4.929E-04 3.897E-04 2.072E-04 8.719E-05 3.213E-05 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 40 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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 4.332E+06
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.645E+00
ADSORBED SOIL (UG/G) 5.568E-01
SOIL AIR (UG/ML) 1.202E+00

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.315E+00
ADSORBED SOIL (UG/G) 4.453E-01
SOIL AIR (UG/ML) 9.612E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.641E+00
ADSORBED SOIL (UG/G) 5.553E-01

```
                SOIL AIR (UG/ML)      1.199E+00

    SUBLAYER  3

                SOIL MOISTURE (UG/ML)  2.027E+00
                ADSORBED SOIL (UG/G)   6.862E-01
                SOIL AIR (UG/ML)      1.481E+00

    SUBLAYER  4

                SOIL MOISTURE (UG/ML)  2.371E+00
                ADSORBED SOIL (UG/G)   8.027E-01
                SOIL AIR (UG/ML)      1.733E+00

    SUBLAYER  5

                SOIL MOISTURE (UG/ML)  2.479E+00
                ADSORBED SOIL (UG/G)   8.393E-01
                SOIL AIR (UG/ML)      1.812E+00

    SUBLAYER  6

                SOIL MOISTURE (UG/ML)  2.200E+00
                ADSORBED SOIL (UG/G)   7.446E-01
                SOIL AIR (UG/ML)      1.607E+00

    SUBLAYER  7

                SOIL MOISTURE (UG/ML)  1.592E+00
                ADSORBED SOIL (UG/G)   5.388E-01
                SOIL AIR (UG/ML)      1.163E+00

    SUBLAYER  8

                SOIL MOISTURE (UG/ML)  9.181E-01
                ADSORBED SOIL (UG/G)   3.108E-01
                SOIL AIR (UG/ML)      6.707E-01

    SUBLAYER  9

                SOIL MOISTURE (UG/ML)  4.283E-01
                ADSORBED SOIL (UG/G)   1.450E-01
                SOIL AIR (UG/ML)      3.129E-01

    SUBLAYER 10

                SOIL MOISTURE (UG/ML)  1.898E-01
                ADSORBED SOIL (UG/G)   6.426E-02
                SOIL AIR (UG/ML)      1.387E-01


                MAX. POLL. DEPTH (M)   1.828E+01

  AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)  1.416E-04
1

   YEAR -  50   MONTHLY RESULTS (OUTPUT)
   ========   ========================


   -- HYDROLOGIC CYCLE COMPONENTS --


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

IOIS. IN L1 (%)      7.405  8.161  9.001 10.849 10.905 10.485  9.673  9.001  8.553  8.217  7.965  7.685
IOIS. BELOW L1 (%)   7.405  8.161  9.001 10.849 10.905 10.485  9.673  9.001  8.553  8.217  7.965  7.685
```

PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199

PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	5.493E+08	6.005E+08	6.572E+08	7.809E+08	7.817E+08	7.501E+08	6.949E+08	6.489E+08	6.186E+08	5.968E+08	5.790E+08	5.587E+08
ADS ON SOIL	3.742E+09	3.712E+09	3.683E+09	3.630E+09	3.615E+09	3.608E+09	3.624E+09	3.636E+09	3.648E+09	3.663E+09	3.667E+09	3.667E+09
IN SOIL AIR	1.108E+09	1.072E+09	1.029E+09	9.271E+08	9.186E+08	9.376E+08	9.665E+08	9.975E+08	1.016E+09	1.022E+09	1.035E+09	1.053E+09

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	7.103E+07	7.768E+07	8.504E+07	1.010E+08	1.011E+08	9.701E+07	8.987E+07	8.391E+07	7.998E+07	7.717E+07	7.487E+07	7.224E+07
ADS ON SOIL	4.838E+08	4.801E+08	4.765E+08	4.698E+08	4.677E+08	4.667E+08	4.686E+08	4.702E+08	4.717E+08	4.737E+08	4.741E+08	4.742E+08
IN SOIL AIR	1.432E+08	1.387E+08	1.331E+08	1.200E+08	1.188E+08	1.213E+08	1.250E+08	1.290E+08	1.313E+08	1.321E+08	1.339E+08	1.362E+08

SUBLAYER 2

IN SOIL MOI	8.924E+07	9.761E+07	1.069E+08	1.270E+08	1.271E+08	1.219E+08	1.129E+08	1.054E+08	1.005E+08	9.697E+07	9.409E+07	9.079E+07
ADS ON SOIL	6.078E+08	6.033E+08	5.989E+08	5.904E+08	5.877E+08	5.864E+08	5.889E+08	5.909E+08	5.927E+08	5.952E+08	5.958E+08	5.959E+08
IN SOIL AIR	1.800E+08	1.743E+08	1.673E+08	1.508E+08	1.493E+08	1.524E+08	1.571E+08	1.621E+08	1.650E+08	1.660E+08	1.682E+08	1.712E+08

SUBLAYER 3

IN SOIL MOI	1.136E+08	1.243E+08	1.361E+08	1.618E+08	1.620E+08	1.554E+08	1.440E+08	1.344E+08	1.282E+08	1.236E+08	1.200E+08	1.158E+08
ADS ON SOIL	7.738E+08	7.682E+08	7.628E+08	7.523E+08	7.491E+08	7.477E+08	7.509E+08	7.534E+08	7.558E+08	7.590E+08	7.597E+08	7.599E+08

IN SOIL AIR 2.291E+08 2.219E+08 2.131E+08 1.921E+08 1.903E+08 1.943E+08 2.003E+08 2.067E+08 2.104E+08 2.117E+08 2.145E+08 2.183E+08

SUBLAYER 4

IN SOIL MOI 1.430E+08 1.566E+08 1.716E+08 2.042E+08 2.046E+08 1.965E+08 1.821E+08 1.701E+08 1.621E+08 1.564E+08 1.518E+08 1.465E+08
ADS ON SOIL 9.740E+08 9.677E+08 9.616E+08 9.496E+08 9.463E+08 9.452E+08 9.497E+08 9.530E+08 9.559E+08 9.600E+08 9.610E+08 9.613E+08
IN SOIL AIR 2.884E+08 2.795E+08 2.686E+08 2.425E+08 2.404E+08 2.456E+08 2.533E+08 2.614E+08 2.662E+08 2.678E+08 2.713E+08 2.761E+08

SUBLAYER 5

IN SOIL MOI 1.699E+08 1.863E+08 2.044E+08 2.439E+08 2.448E+08 2.355E+08 2.185E+08 2.041E+08 1.945E+08 1.877E+08 1.821E+08 1.758E+08
ADS ON SOIL 1.157E+09 1.151E+09 1.146E+09 1.134E+09 1.132E+09 1.133E+09 1.139E+09 1.143E+09 1.147E+09 1.152E+09 1.153E+09 1.154E+09
IN SOIL AIR 3.427E+08 3.326E+08 3.200E+08 2.896E+08 2.877E+08 2.944E+08 3.039E+08 3.137E+08 3.194E+08 3.214E+08 3.256E+08 3.314E+08

SUBLAYER 6

IN SOIL MOI 1.799E+08 1.976E+08 2.173E+08 2.602E+08 2.620E+08 2.527E+08 2.347E+08 2.193E+08 2.091E+08 2.017E+08 1.958E+08 1.890E+08
ADS ON SOIL 1.225E+09 1.221E+09 1.217E+09 1.210E+09 1.212E+09 1.215E+09 1.224E+09 1.229E+09 1.233E+09 1.238E+09 1.240E+09 1.240E+09
IN SOIL AIR 3.628E+08 3.527E+08 3.401E+08 3.090E+08 3.079E+08 3.158E+08 3.265E+08 3.371E+08 3.433E+08 3.454E+08 3.500E+08 3.563E+08

SUBLAYER 7

IN SOIL MOI 1.606E+08 1.767E+08 1.948E+08 2.345E+08 2.370E+08 2.293E+08 2.135E+08 1.995E+08 1.902E+08 1.835E+08 1.781E+08 1.720E+08
ADS ON SOIL 1.094E+09 1.092E+09 1.091E+09 1.090E+09 1.096E+09 1.103E+09 1.113E+09 1.118E+09 1.122E+09 1.127E+09 1.128E+09 1.129E+09
IN SOIL AIR 3.239E+06 3.155E+08 3.049E+08 2.784E+08 2.785E+08 2.867E+08 2.969E+08 3.067E+08 3.124E+08 3.143E+08 3.185E+08 3.243E+08

SUBLAYER 8

IN SOIL MOI 1.154E+08 1.272E+08 1.405E+08 1.701E+08 1.728E+08 1.679E+08 1.566E+08 1.464E+08 1.396E+08 1.347E+08 1.308E+08 1.263E+08
ADS ON SOIL 7.863E+08 7.864E+08 7.874E+08 7.909E+08 7.992E+08 8.075E+08 8.165E+08 8.206E+08 8.235E+08 8.271E+08 8.282E+08 8.292E+08
IN SOIL AIR 2.328E+08 2.272E+08 2.200E+08 2.020E+08 2.030E+08 2.098E+08 2.178E+08 2.251E+08 2.293E+08 2.307E+08 2.338E+08 2.382E+08

SUBLAYER 9

IN SOIL MOI 6.467E+07 7.135E+07 7.891E+07 9.605E+07 9.807E+07 9.568E+07 8.945E+07 8.372E+07 7.986E+07 7.706E+07 7.480E+07 7.227E+07
ADS ON SOIL 4.405E+08 4.410E+08 4.422E+08 4.466E+08 4.536E+08 4.603E+08 4.664E+08 4.692E+08 4.710E+08 4.730E+08 4.737E+08 4.743E+08
IN SOIL AIR 1.304E+08 1.274E+08 1.235E+08 1.140E+08 1.152E+08 1.196E+08 1.244E+08 1.287E+08 1.311E+08 1.320E+08 1.337E+08 1.362E+08

SUBLAYER 10

IN SOIL MOI 2.871E+07 3.166E+07 3.499E+07 4.274E+07 4.381E+07 4.287E+07 4.014E+07 3.760E+07 3.588E+07 3.462E+07 3.360E+07 3.246E+07
ADS ON SOIL 1.956E+08 1.956E+08 1.961E+08 1.987E+08 2.026E+08 2.062E+08 2.093E+08 2.107E+08 2.116E+08 2.125E+08 2.128E+08 2.131E+08
IN SOIL AIR 5.791E+07 5.652E+07 5.478E+07 5.074E+07 5.148E+07 5.359E+07 5.583E+07 5.780E+07 5.891E+07 5.928E+07 6.008E+07 6.120E+07
GWR. RUNOFF 0.000E+00 0.000E+00 2.296E+05 2.759E+06 3.006E+06 2.379E+06 1.268E+06 5.346E+05 1.971E+05 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 1.338E+00 1.327E+00 1.317E+00 1.298E+00 1.293E+00 1.290E+00 1.296E+00 1.300E+00 1.304E+00 1.310E+00 1.311E+00 1.311E+00
%SOLUBILITY 5.575E-01 5.530E-01 5.487E-01 5.409E-01 5.387E-01 5.376E-01 5.399E-01 5.418E-01 5.435E-01 5.458E-01 5.464E-01 5.464E-01
ADSORBED 4.529E-01 4.493E-01 4.458E-01 4.395E-01 4.377E-01 4.368E-01 4.387E-01 4.402E-01 4.416E-01 4.434E-01 4.439E-01 4.439E-01
SOIL AIR 9.703E-01 9.748E-01 9.766E-01 9.750E-01 9.692E-01 9.655E-01 9.512E-01 9.471E-01 9.421E-01 9.317E-01 9.321E-01 9.353E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.070E+00 1.062E+00 1.054E+00 1.039E+00 1.035E+00 1.033E+00 1.037E+00 1.040E+00 1.044E+00 1.048E+00 1.049E+00 1.049E+00
%SOLUBILITY 4.460E-01 4.426E-01 4.393E-01 4.331E-01 4.312E-01 4.303E-01 4.321E-01 4.335E-01 4.349E-01 4.367E-01 4.371E-01 4.371E-01
ADSORBED 3.624E-01 3.596E-01 3.569E-01 3.519E-01 3.503E-01 3.496E-01 3.510E-01 3.522E-01 3.533E-01 3.548E-01 3.551E-01 3.552E-01
SOIL AIR 7.763E-01 7.802E-01 7.820E-01 7.806E-01 7.758E-01 7.727E-01 7.612E-01 7.578E-01 7.538E-01 7.455E-01 7.457E-01 7.483E-01

SUBLAYER 2

MOISTURE 1.345E+00 1.335E+00 1.325E+00 1.306E+00 1.300E+00 1.298E+00 1.303E+00 1.307E+00 1.311E+00 1.317E+00 1.318E+00 1.319E+00
%SOLUBILITY 5.604E-01 5.562E-01 5.521E-01 5.443E-01 5.419E-01 5.407E-01 5.429E-01 5.447E-01 5.464E-01 5.488E-01 5.493E-01 5.494E-01
ADSORBED 4.553E-01 4.519E-01 4.486E-01 4.422E-01 4.402E-01 4.393E-01 4.411E-01 4.426E-01 4.440E-01 4.458E-01 4.463E-01 4.463E-01
SOIL AIR 9.753E-01 9.804E-01 9.827E-01 9.811E-01 9.749E-01 9.710E-01 9.565E-01 9.522E-01 9.472E-01 9.367E-01 9.371E-01 9.404E-01

SUBLAYER 3

MOISTURE 1.712E+00 1.700E+00 1.688E+00 1.665E+00 1.658E+00 1.654E+00 1.661E+00 1.667E+00 1.672E+00 1.679E+00 1.681E+00 1.681E+00
%SOLUBILITY 7.134E-01 7.083E-01 7.033E-01 6.936E-01 6.907E-01 6.893E-01 6.923E-01 6.946E-01 6.968E-01 6.997E-01 7.004E-01 7.006E-01
ADSORBED 5.796E-01 5.754E-01 5.714E-01 5.635E-01 5.611E-01 5.600E-01 5.624E-01 5.643E-01 5.661E-01 5.685E-01 5.691E-01 5.692E-01
SOIL AIR 1.242E+00 1.248E+00 1.252E+00 1.250E+00 1.243E+00 1.238E+00 1.220E+00 1.214E+00 1.208E+00 1.194E+00 1.195E+00 1.199E+00

SUBLAYER 4

MOISTURE 2.155E+00 2.141E+00 2.128E+00 2.101E+00 2.094E+00 2.091E+00 2.101E+00 2.109E+00 2.115E+00 2.124E+00 2.126E+00 2.127E+00
%SOLUBILITY 8.979E-01 8.921E-01 8.865E-01 8.754E-01 8.725E-01 8.715E-01 8.756E-01 8.786E-01 8.813E-01 8.851E-01 8.860E-01 8.863E-01
ADSORBED 7.295E-01 7.248E-01 7.203E-01 7.113E-01 7.088E-01 7.080E-01 7.114E-01 7.138E-01 7.160E-01 7.191E-01 7.198E-01 7.200E-01
SOIL AIR 1.563E+00 1.573E+00 1.578E+00 1.578E+00 1.570E+00 1.565E+00 1.543E+00 1.536E+00 1.528E+00 1.511E+00 1.512E+00 1.517E+00

SUBLAYER 5

MOISTURE 2.561E+00 2.547E+00 2.535E+00 2.509E+00 2.506E+00 2.507E+00 2.521E+00 2.530E+00 2.538E+00 2.549E+00 2.552E+00 2.553E+00
%SOLUBILITY 1.067E+00 1.061E+00 1.056E+00 1.046E+00 1.044E+00 1.045E+00 1.050E+00 1.054E+00 1.058E+00 1.062E+00 1.063E+00 1.064E+00
ADSORBED 8.669E-01 8.623E-01 8.581E-01 8.495E-01 8.482E-01 8.486E-01 8.534E-01 8.565E-01 8.592E-01 8.629E-01 8.638E-01 8.642E-01
SOIL AIR 1.857E+00 1.871E+00 1.880E+00 1.885E+00 1.878E+00 1.876E+00 1.851E+00 1.843E+00 1.833E+00 1.813E+00 1.814E+00 1.821E+00

SUBLAYER 6

MOISTURE 2.711E+00 2.702E+00 2.694E+00 2.677E+00 2.681E+00 2.689E+00 2.708E+00 2.719E+00 2.728E+00 2.740E+00 2.743E+00 2.745E+00
%SOLUBILITY 1.130E+00 1.126E+00 1.122E+00 1.115E+00 1.117E+00 1.121E+00 1.128E+00 1.133E+00 1.137E+00 1.141E+00 1.143E+00 1.144E+00
ADSORBED 9.179E-01 9.146E-01 9.119E-01 9.063E-01 9.076E-01 9.104E-01 9.168E-01 9.204E-01 9.234E-01 9.274E-01 9.285E-01 9.291E-01
SOIL AIR 1.966E+00 1.984E+00 1.998E+00 2.011E+00 2.010E+00 2.012E+00 1.988E+00 1.980E+00 1.970E+00 1.949E+00 1.950E+00 1.958E+00

SUBLAYER 7

MOISTURE 2.421E+00 2.417E+00 2.415E+00 2.412E+00 2.425E+00 2.441E+00 2.463E+00 2.474E+00 2.482E+00 2.493E+00 2.496E+00 2.498E+00
%SOLUBILITY 1.009E+00 1.007E+00 1.006E+00 1.005E+00 1.011E+00 1.017E+00 1.026E+00 1.031E+00 1.034E+00 1.039E+00 1.040E+00 1.041E+00
ADSORBED 8.195E-01 8.182E-01 8.175E-01 8.165E-01 8.211E-01 8.263E-01 8.337E-01 8.374E-01 8.402E-01 8.439E-01 8.450E-01 8.458E-01
SOIL AIR 1.756E+00 1.775E+00 1.791E+00 1.811E+00 1.818E+00 1.827E+00 1.808E+00 1.802E+00 1.793E+00 1.773E+00 1.774E+00 1.782E+00

SUBLAYER 8

MOISTURE 1.740E+00 1.740E+00 1.742E+00 1.750E+00 1.768E+00 1.787E+00 1.807E+00 1.816E+00 1.822E+00 1.830E+00 1.833E+00 1.835E+00
%SOLUBILITY 7.249E-01 7.250E-01 7.260E-01 7.292E-01 7.368E-01 7.445E-01 7.527E-01 7.566E-01 7.593E-01 7.626E-01 7.636E-01 7.645E-01
ADSORBED 5.890E-01 5.890E-01 5.898E-01 5.924E-01 5.986E-01 6.049E-01 6.116E-01 6.147E-01 6.169E-01 6.195E-01 6.204E-01 6.211E-01
SOIL AIR 1.262E+00 1.278E+00 1.292E+00 1.314E+00 1.326E+00 1.337E+00 1.326E+00 1.322E+00 1.316E+00 1.302E+00 1.303E+00 1.309E+00

SUBLAYER 9

MOISTURE 9.746E-01 9.757E-01 9.784E-01 9.881E-01 1.004E+00 1.018E+00 1.032E+00 1.038E+00 1.042E+00 1.047E+00 1.048E+00 1.050E+00

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%SOLUBILITY 4.061E-01 4.065E-01 4.077E-01 4.117E-01 4.182E-01 4.244E-01 4.300E-01 4.325E-01 4.342E-01 4.361E-01 4.367E-01 4.373E-01
DSORBED   3.299E-01 3.303E-01 3.312E-01 3.345E-01 3.398E-01 3.448E-01 3.494E-01 3.514E-01 3.528E-01 3.543E-01 3.548E-01 3.553E-01
OIL AIR   7.068E-01 7.166E-01 7.256E-01 7.421E-01 7.524E-01 7.621E-01 7.576E-01 7.561E-01 7.526E-01 7.444E-01 7.450E-01 7.485E-01

      SUBLAYER 10

MOISTURE   4.328E-01 4.329E-01 4.339E-01 4.396E-01 4.483E-01 4.563E-01 4.631E-01 4.662E-01 4.681E-01 4.702E-01 4.708E-01 4.714E-01
%SOLUBILITY 1.803E-01 1.804E-01 1.808E-01 1.832E-01 1.868E-01 1.901E-01 1.930E-01 1.943E-01 1.951E-01 1.959E-01 1.962E-01 1.964E-01
ADSORBED   1.465E-01 1.465E-01 1.469E-01 1.488E-01 1.518E-01 1.545E-01 1.568E-01 1.578E-01 1.585E-01 1.592E-01 1.594E-01 1.596E-01
SOIL AIR   3.138E-01 3.180E-01 3.218E-01 3.302E-01 3.361E-01 3.415E-01 3.400E-01 3.396E-01 3.381E-01 3.344E-01 3.347E-01 3.362E-01


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03


   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 8.983E-05 1.085E-03 1.180E-03 9.331E-04 4.961E-04 2.087E-04 7.691E-05 0.000E+00 0.000E+00 0.000E+00
1                YEAR -  50 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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)        8.992
OTAL PRECIPITATION (CM)                 32.338
OTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)             24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                  1.265
TOTAL MOISTURE RETENTION (CM)             0.001
TOTAL YIELD (CM)                  7.763
0       -- 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


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1


   LOWER SOIL ZONE:

      SUBLAYER  1


      SUBLAYER  2
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    SUBLAYER  3

    SUBLAYER  4

    SUBLAYER  5

    SUBLAYER  6

    SUBLAYER  7

    SUBLAYER  8

    SUBLAYER  9

    SUBLAYER 10

      TOTAL IN GROUNDWATER RUNOFF      1.037E+07
1          -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
           ----------------------------------------------------------------------------

  UPPER SOIL ZONE:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  4.000E-10
                ADSORBED SOIL (UG/G)   1.354E-10
                SOIL AIR (UG/ML)       2.923E-10

  SOIL ZONE 2:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  3.000E-09
                ADSORBED SOIL (UG/G)   1.016E-09
                SOIL AIR (UG/ML)       2.193E-09

  SOIL ZONE 3:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  1.308E+00
                ADSORBED SOIL (UG/G)   4.428E-01
                SOIL AIR (UG/ML)       9.559E-01

  LOWER SOIL ZONE:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  1.047E+00
                ADSORBED SOIL (UG/G)   3.544E-01
                SOIL AIR (UG/ML)       7.650E-01

    SUBLAYER  2

                SOIL MOISTURE (UG/ML)  1.315E+00
                ADSORBED SOIL (UG/G)   4.453E-01
                SOIL AIR (UG/ML)       9.613E-01

    SUBLAYER  3
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SOIL MOISTURE (UG/ML) 1.677E+00
ADSORBED SOIL (UG/G) 5.676E-01
SOIL AIR (UG/ML) 1.225E+00

SUBLAYER 4

SOIL MOISTURE (UG/ML) 2.118E+00
ADSORBED SOIL (UG/G) 7.169E-01
SOIL AIR (UG/ML) 1.548E+00

SUBLAYER 5

SOIL MOISTURE (UG/ML) 2.534E+00
ADSORBED SOIL (UG/G) 8.578E-01
SOIL AIR (UG/ML) 1.852E+00

SUBLAYER 6

SOIL MOISTURE (UG/ML) 2.711E+00
ADSORBED SOIL (UG/G) 9.179E-01
SOIL AIR (UG/ML) 1.981E+00

SUBLAYER 7

SOIL MOISTURE (UG/ML) 2.453E+00
ADSORBED SOIL (UG/G) 8.304E-01
SOIL AIR (UG/ML) 1.792E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 1.789E+00
ADSORBED SOIL (UG/G) 6.057E-01
SOIL AIR (UG/ML) 1.307E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 1.016E+00
ADSORBED SOIL (UG/G) 3.440E-01
SOIL AIR (UG/ML) 7.425E-01

SUBLAYER 10

SOIL MOISTURE (UG/ML) 4.545E-01
ADSORBED SOIL (UG/G) 1.539E-01
SOIL AIR (UG/ML) 3.320E-01

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 3.392E-04
1

YEAR - 60 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685

NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199

PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	4.367E+08	4.774E+08	5.225E+08	6.208E+08	6.214E+08	5.963E+08	5.525E+08	5.159E+08	4.918E+08	4.744E+08	4.603E+08	4.442E+08
ADS ON SOIL	2.975E+09	2.951E+09	2.928E+09	2.886E+09	2.874E+09	2.869E+09	2.881E+09	2.891E+09	2.900E+09	2.912E+09	2.915E+09	2.915E+09
IN SOIL AIR	8.808E+08	8.524E+08	8.178E+08	7.370E+08	7.303E+08	7.454E+08	7.684E+08	7.931E+08	8.075E+08	8.124E+08	8.231E+08	8.374E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	5.651E+07	6.181E+07	6.766E+07	8.039E+07	8.045E+07	7.718E+07	7.150E+07	6.676E+07	6.364E+07	6.140E+07	5.957E+07	5.748E+07
ADS ON SOIL	3.849E+08	3.820E+08	3.792E+08	3.738E+08	3.721E+08	3.713E+08	3.728E+08	3.741E+08	3.753E+08	3.769E+08	3.772E+08	3.773E+08
IN SOIL AIR	1.140E+08	1.103E+08	1.059E+08	9.545E+07	9.454E+07	9.648E+07	9.945E+07	1.026E+08	1.045E+08	1.051E+08	1.065E+08	1.084E+08

SUBLAYER 2

IN SOIL MOI	7.111E+07	7.778E+07	8.516E+07	1.012E+08	1.012E+08	9.713E+07	8.997E+07	8.401E+07	8.007E+07	7.725E+07	7.496E+07	7.233E+07
ADS ON SOIL	4.844E+08	4.807E+08	4.772E+08	4.704E+08	4.683E+08	4.672E+08	4.692E+08	4.707E+08	4.722E+08	4.742E+08	4.747E+08	4.747E+08
IN SOIL AIR	1.434E+08	1.389E+08	1.333E+08	1.201E+08	1.190E+08	1.214E+08	1.251E+08	1.291E+08	1.315E+08	1.323E+08	1.340E+08	1.364E+08

SUBLAYER 3

IN SOIL MOI	9.153E+07	1.001E+08	1.096E+08	1.303E+08	1.304E+08	1.251E+08	1.159E+08	1.082E+08	1.031E+08	9.948E+07	9.653E+07	9.315E+07
ADS ON SOIL	6.234E+08	6.189E+08	6.144E+08	6.057E+08	6.030E+08	6.017E+08	6.042E+08	6.062E+08	6.081E+08	6.106E+08	6.112E+08	6.113E+08
IN SOIL AIR	1.846E+08	1.788E+08	1.716E+08	1.547E+08	1.532E+08	1.563E+08	1.611E+08	1.663E+08	1.693E+08	1.703E+08	1.726E+08	1.756E+08

SUBLAYER 4

IN SOIL MOI 1.195E+08 1.308E+08 1.433E+08 1.703E+08 1.705E+08 1.636E+08 1.516E+08 1.415E+08 1.349E+08 1.301E+08 1.263E+08 1.219E+08
ADS ON SOIL 8.139E+08 8.083E+08 8.027E+08 7.918E+08 7.885E+08 7.870E+08 7.904E+08 7.930E+08 7.955E+08 7.988E+08 7.997E+08 7.998E+08
IN SOIL AIR 2.410E+08 2.335E+08 2.242E+08 2.022E+08 2.003E+08 2.045E+08 2.108E+08 2.175E+08 2.215E+08 2.228E+08 2.258E+08 2.298E+08

SUBLAYER 5

IN SOIL MOI 1.538E+08 1.685E+08 1.847E+08 2.199E+08 2.203E+08 2.116E+08 1.962E+08 1.832E+08 1.746E+08 1.685E+08 1.635E+08 1.578E+08
ADS ON SOIL 1.048E+09 1.041E+09 1.035E+09 1.022E+09 1.019E+09 1.018E+09 1.023E+09 1.026E+09 1.030E+09 1.034E+09 1.035E+09 1.035E+09
IN SOIL AIR 3.103E+08 3.008E+08 2.891E+08 2.611E+08 2.589E+08 2.645E+08 2.728E+08 2.816E+08 2.867E+08 2.885E+08 2.923E+08 2.974E+08

SUBLAYER 6

IN SOIL MOI 1.857E+08 2.036E+08 2.235E+08 2.668E+08 2.678E+08 2.577E+08 2.391E+08 2.233E+08 2.129E+08 2.054E+08 1.993E+08 1.924E+08
ADS ON SOIL 1.265E+09 1.259E+09 1.253E+09 1.241E+09 1.239E+09 1.240E+09 1.247E+09 1.251E+09 1.255E+09 1.261E+09 1.262E+09 1.263E+09
IN SOIL AIR 3.745E+08 3.636E+08 3.499E+08 3.168E+08 3.148E+08 3.221E+08 3.325E+08 3.433E+08 3.495E+08 3.517E+08 3.563E+08 3.627E+08

SUBLAYER 7

IN SOIL MOI 1.975E+08 2.169E+08 2.386E+08 2.858E+08 2.878E+08 2.775E+08 2.579E+08 2.409E+08 2.297E+08 2.216E+08 2.151E+08 2.076E+08
ADS ON SOIL 1.345E+09 1.341E+09 1.337E+09 1.329E+09 1.331E+09 1.335E+09 1.345E+09 1.350E+09 1.354E+09 1.360E+09 1.362E+09 1.363E+09
IN SOIL AIR 3.983E+08 3.873E+08 3.734E+08 3.393E+08 3.382E+08 3.469E+08 3.587E+08 3.704E+08 3.771E+08 3.795E+08 3.845E+08 3.915E+08

SUBLAYER 8

IN SOIL MOI 1.740E+08 1.914E+08 2.109E+08 2.539E+08 2.566E+08 2.483E+08 2.311E+08 2.160E+08 2.060E+08 1.987E+08 1.929E+08 1.863E+08
ADS ON SOIL 1.185E+09 1.183E+09 1.182E+09 1.180E+09 1.187E+09 1.194E+09 1.205E+09 1.210E+09 1.215E+09 1.220E+09 1.221E+09 1.223E+09
IN SOIL AIR 3.509E+08 3.418E+08 3.302E+08 3.014E+08 3.015E+08 3.104E+08 3.214E+08 3.321E+08 3.382E+08 3.403E+08 3.448E+08 3.512E+08

SUBLAYER 9

IN SOIL MOI 1.200E+08 1.321E+08 1.458E+08 1.764E+08 1.792E+08 1.740E+08 1.623E+08 1.518E+08 1.448E+08 1.397E+08 1.356E+08 1.310E+08
ADS ON SOIL 8.171E+08 8.166E+08 8.172E+08 8.203E+08 8.287E+08 8.372E+08 8.464E+08 8.507E+08 8.538E+08 8.575E+08 8.586E+08 8.596E+08
SOIL AIR 2.419E+08 2.359E+08 2.283E+08 2.095E+08 2.106E+08 2.175E+08 2.258E+08 2.334E+08 2.377E+08 2.392E+08 2.424E+08 2.469E+08

SUBLAYER 10

IN SOIL MOI 6.199E+07 6.829E+07 7.540E+07 9.167E+07 9.357E+07 9.125E+07 8.529E+07 7.984E+07 7.616E+07 7.349E+07 7.133E+07 6.890E+07
ADS ON SOIL 4.222E+08 4.221E+08 4.225E+08 4.262E+08 4.328E+08 4.390E+08 4.447E+08 4.474E+08 4.491E+08 4.511E+08 4.517E+08 4.522E+08
IN SOIL AIR 1.250E+08 1.219E+08 1.180E+08 1.088E+08 1.100E+08 1.141E+08 1.186E+08 1.227E+08 1.251E+08 1.258E+08 1.275E+08 1.299E+08
GWR. RUNOFF 0.000E+00 0.000E+00 4.949E+05 5.932E+06 6.434E+06 5.072E+06 2.697E+06 1.136E+06 4.185E+05 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 1.064E+00 1.055E+00 1.047E+00 1.032E+00 1.028E+00 1.026E+00 1.030E+00 1.034E+00 1.037E+00 1.041E+00 1.042E+00 1.043E+00
%SOLUBILITY 4.432E-01 4.397E-01 4.362E-01 4.301E-01 4.283E-01 4.274E-01 4.292E-01 4.307E-01 4.321E-01 4.339E-01 4.344E-01 4.344E-01
ADSORBED 3.601E-01 3.572E-01 3.544E-01 3.494E-01 3.480E-01 3.473E-01 3.487E-01 3.500E-01 3.511E-01 3.525E-01 3.529E-01 3.529E-01
SOIL AIR 7.714E-01 7.750E-01 7.764E-01 7.751E-01 7.705E-01 7.676E-01 7.562E-01 7.529E-01 7.490E-01 7.407E-01 7.410E-01 7.435E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.517E-01 8.452E-01 8.389E-01 8.270E-01 8.233E-01 8.216E-01 8.250E-01 8.278E-01 8.304E-01 8.339E-01 8.347E-01 8.348E-01
%SOLUBILITY 3.549E-01 3.522E-01 3.496E-01 3.446E-01 3.431E-01 3.423E-01 3.437E-01 3.449E-01 3.460E-01 3.475E-01 3.478E-01 3.478E-01
ADSORBED 2.883E-01 2.861E-01 2.840E-01 2.800E-01 2.787E-01 2.781E-01 2.793E-01 2.802E-01 2.811E-01 2.823E-01 2.826E-01 2.826E-01
SOIL AIR 6.176E-01 6.208E-01 6.222E-01 6.211E-01 6.172E-01 6.148E-01 6.056E-01 6.029E-01 5.997E-01 5.931E-01 5.933E-01 5.954E-01

SUBLAYER 2

MOISTURE 1.072E+00 1.064E+00 1.056E+00 1.041E+00 1.036E+00 1.034E+00 1.038E+00 1.042E+00 1.045E+00 1.049E+00 1.050E+00 1.050E+00
%SOLUBILITY 4.466E-01 4.432E-01 4.400E-01 4.337E-01 4.317E-01 4.308E-01 4.325E-01 4.340E-01 4.353E-01 4.372E-01 4.376E-01 4.377E-01
ADSORBED 3.628E-01 3.601E-01 3.574E-01 3.524E-01 3.508E-01 3.500E-01 3.514E-01 3.526E-01 3.537E-01 3.552E-01 3.555E-01 3.556E-01
SOIL AIR 7.772E-01 7.813E-01 7.830E-01 7.817E-01 7.767E-01 7.736E-01 7.621E-01 7.586E-01 7.546E-01 7.463E-01 7.466E-01 7.492E-01

SUBLAYER 3

MOISTURE 1.379E+00 1.369E+00 1.359E+00 1.340E+00 1.334E+00 1.331E+00 1.337E+00 1.341E+00 1.345E+00 1.351E+00 1.353E+00 1.353E+00
%SOLUBILITY 5.748E-01 5.706E-01 5.665E-01 5.585E-01 5.559E-01 5.547E-01 5.570E-01 5.589E-01 5.606E-01 5.630E-01 5.635E-01 5.636E-01
ADSORBED 4.670E-01 4.636E-01 4.602E-01 4.537E-01 4.517E-01 4.507E-01 4.525E-01 4.540E-01 4.555E-01 4.574E-01 4.578E-01 4.579E-01
SOIL AIR 1.000E+00 1.006E+00 1.008E+00 1.007E+00 1.000E+00 9.962E-01 9.813E-01 9.769E-01 9.717E-01 9.610E-01 9.614E-01 9.648E-01

SUBLAYER 4

MOISTURE 1.801E+00 1.788E+00 1.776E+00 1.752E+00 1.745E+00 1.741E+00 1.749E+00 1.755E+00 1.760E+00 1.768E+00 1.769E+00 1.770E+00
%SOLUBILITY 7.504E-01 7.452E-01 7.401E-01 7.300E-01 7.269E-01 7.255E-01 7.287E-01 7.311E-01 7.334E-01 7.365E-01 7.373E-01 7.374E-01
ADSORBED 6.097E-01 6.054E-01 6.013E-01 5.931E-01 5.906E-01 5.895E-01 5.920E-01 5.940E-01 5.958E-01 5.984E-01 5.990E-01 5.991E-01
SOIL AIR 1.306E+00 1.314E+00 1.317E+00 1.316E+00 1.308E+00 1.303E+00 1.284E+00 1.278E+00 1.271E+00 1.257E+00 1.258E+00 1.262E+00

SUBLAYER 5

MOISTURE 2.319E+00 2.304E+00 2.290E+00 2.262E+00 2.255E+00 2.253E+00 2.263E+00 2.271E+00 2.278E+00 2.288E+00 2.290E+00 2.291E+00
%SOLUBILITY 9.661E-01 9.601E-01 9.543E-01 9.426E-01 9.396E-01 9.386E-01 9.431E-01 9.463E-01 9.493E-01 9.533E-01 9.543E-01 9.546E-01
ADSORBED 7.849E-01 7.800E-01 7.753E-01 7.658E-01 7.633E-01 7.625E-01 7.662E-01 7.688E-01 7.712E-01 7.745E-01 7.754E-01 7.756E-01
SOIL AIR 1.681E+00 1.692E+00 1.699E+00 1.699E+00 1.690E+00 1.686E+00 1.662E+00 1.654E+00 1.645E+00 1.627E+00 1.628E+00 1.634E+00

SUBLAYER 6

MOISTURE 2.799E+00 2.785E+00 2.772E+00 2.745E+00 2.741E+00 2.743E+00 2.759E+00 2.769E+00 2.777E+00 2.789E+00 2.792E+00 2.794E+00
%SOLUBILITY 1.166E+00 1.160E+00 1.155E+00 1.144E+00 1.142E+00 1.143E+00 1.149E+00 1.154E+00 1.157E+00 1.162E+00 1.164E+00 1.164E+00
ADSORBED 9.474E-01 9.427E-01 9.383E-01 9.292E-01 9.280E-01 9.285E-01 9.339E-01 9.372E-01 9.402E-01 9.442E-01 9.453E-01 9.457E-01
SOIL AIR 2.030E+00 2.045E+00 2.056E+00 2.061E+00 2.055E+00 2.053E+00 2.025E+00 2.016E+00 2.006E+00 1.984E+00 1.985E+00 1.993E+00

SUBLAYER 7

MOISTURE 2.977E+00 2.967E+00 2.958E+00 2.940E+00 2.945E+00 2.954E+00 2.975E+00 2.987E+00 2.997E+00 3.010E+00 3.013E+00 3.015E+00
%SOLUBILITY 1.240E+00 1.236E+00 1.233E+00 1.225E+00 1.227E+00 1.231E+00 1.240E+00 1.245E+00 1.249E+00 1.254E+00 1.256E+00 1.256E+00
ADSORBED 1.008E+00 1.004E+00 1.001E+00 9.953E-01 9.970E-01 1.000E+00 1.007E+00 1.011E+00 1.014E+00 1.019E+00 1.020E+00 1.021E+00
SOIL AIR 2.159E+00 2.179E+00 2.194E+00 2.208E+00 2.208E+00 2.211E+00 2.184E+00 2.176E+00 2.164E+00 2.141E+00 2.142E+00 2.151E+00

SUBLAYER 8

MOISTURE 2.623E+00 2.618E+00 2.615E+00 2.612E+00 2.626E+00 2.643E+00 2.667E+00 2.678E+00 2.687E+00 2.699E+00 2.703E+00 2.705E+00
%SOLUBILITY 1.093E+00 1.091E+00 1.090E+00 1.088E+00 1.094E+00 1.101E+00 1.111E+00 1.116E+00 1.120E+00 1.125E+00 1.126E+00 1.127E+00
ADSORBED 8.878E-01 8.862E-01 8.853E-01 8.841E-01 8.890E-01 8.947E-01 9.027E-01 9.067E-01 9.098E-01 9.137E-01 9.149E-01 9.157E-01
SOIL AIR 1.902E+00 1.923E+00 1.939E+00 1.961E+00 1.969E+00 1.978E+00 1.957E+00 1.951E+00 1.941E+00 1.920E+00 1.921E+00 1.929E+00

SUBLAYER 9

MOISTURE 1.808E+00 1.807E+00 1.808E+00 1.815E+00 1.834E+00 1.853E+00 1.873E+00 1.882E+00 1.889E+00 1.897E+00 1.900E+00 1.902E+00
%SOLUBILITY 7.533E-01 7.529E-01 7.534E-01 7.562E-01 7.640E-01 7.719E-01 7.803E-01 7.843E-01 7.872E-01 7.906E-01 7.916E-01 7.925E-01

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ADSORBED    6.120E-01 6.117E-01 6.121E-01 6.144E-01 6.207E-01 6.271E-01 6.340E-01 6.372E-01 6.395E-01 6.423E-01 6.432E-01 6.439E-01
SOIL AIR    1.311E+00 1.327E+00 1.341E+00 1.363E+00 1.375E+00 1.386E+00 1.375E+00 1.371E+00 1.364E+00 1.350E+00 1.350E+00 1.357E+00

      SUBLAYER 10

MOISTURE    9.343E-01 9.339E-01 9.350E-01 9.431E-01 9.576E-01 9.713E-01 9.840E-01 9.899E-01 9.938E-01 9.981E-01 9.994E-01 1.001E+00
%SOLUBILITY 3.893E-01 3.891E-01 3.896E-01 3.929E-01 3.990E-01 4.047E-01 4.100E-01 4.125E-01 4.141E-01 4.159E-01 4.164E-01 4.169E-01
ADSORBED    3.163E-01 3.161E-01 3.165E-01 3.192E-01 3.242E-01 3.288E-01 3.331E-01 3.351E-01 3.364E-01 3.379E-01 3.383E-01 3.387E-01
SOIL AIR    6.775E-01 6.859E-01 6.934E-01 7.082E-01 7.179E-01 7.268E-01 7.223E-01 7.210E-01 7.177E-01 7.099E-01 7.104E-01 7.136E-01


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 1.936E-04 2.327E-03 2.521E-03 1.986E-03 1.054E-03 4.431E-04 1.633E-04 0.000E+00 0.000E+00 0.000E+00
1                YEAR -  60 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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)      8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                  25.841
TOTAL EVAPOTRANSPIRATION (CM)            24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                     1.265
TOTAL MOISTURE RETENTION (CM)             0.001
TOTAL YIELD (CM)                       7.763
0       -- 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)
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   UPPER SOIL ZONE:

      SUBLAYER  1


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1


   LOWER SOIL ZONE:

      SUBLAYER  1


      SUBLAYER  2
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      SUBLAYER  3

      SUBLAYER  4

      SUBLAYER  5

      SUBLAYER  6

      SUBLAYER  7

      SUBLAYER  8

      SUBLAYER  9

      SUBLAYER 10

         TOTAL IN GROUNDWATER RUNOFF      2.218E+07
1              -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
               ----------------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  4.000E-10
                    ADSORBED SOIL (UG/G)   1.354E-10
                    SOIL AIR (UG/ML)       2.923E-10

   SOIL ZONE 2:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  3.000E-09
                    ADSORBED SOIL (UG/G)   1.016E-09
                    SOIL AIR (UG/ML)       2.193E-09

   SOIL ZONE 3:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  1.040E+00
                    ADSORBED SOIL (UG/G)   3.520E-01
                    SOIL AIR (UG/ML)       7.600E-01

   LOWER SOIL ZONE:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  8.329E-01
                    ADSORBED SOIL (UG/G)   2.819E-01
                    SOIL AIR (UG/ML)       6.086E-01

      SUBLAYER  2

                    SOIL MOISTURE (UG/ML)  1.048E+00
                    ADSORBED SOIL (UG/G)   3.548E-01
                    SOIL AIR (UG/ML)       7.659E-01

      SUBLAYER  3

                    SOIL MOISTURE (UG/ML)  1.349E+00
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ADSORBED SOIL (UG/G) 4.568E-01
SOIL AIR (UG/ML) 9.862E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 1.765E+00
ADSORBED SOIL (UG/G) 5.973E-01
SOIL AIR (UG/ML) 1.289E+00

SUBLAYER 5

SOIL MOISTURE (UG/ML) 2.280E+00
ADSORBED SOIL (UG/G) 7.720E-01
SOIL AIR (UG/ML) 1.666E+00

SUBLAYER 6

SOIL MOISTURE (UG/ML) 2.772E+00
ADSORBED SOIL (UG/G) 9.384E-01
SOIL AIR (UG/ML) 2.026E+00

SUBLAYER 7

SOIL MOISTURE (UG/ML) 2.978E+00
ADSORBED SOIL (UG/G) 1.008E+00
SOIL AIR (UG/ML) 2.176E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 2.656E+00
ADSORBED SOIL (UG/G) 8.992E-01
SOIL AIR (UG/ML) 1.941E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 1.856E+00
ADSORBED SOIL (UG/G) 6.282E-01
SOIL AIR (UG/ML) 1.356E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 9.701E-01
ADSORBED SOIL (UG/G) 3.284E-01
SOIL AIR (UG/ML) 7.087E-01

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 7.241E-04
1

YEAR - 70 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685

NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.463	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199

PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	3.475E+08	3.799E+08	4.157E+08	4.940E+08	4.945E+08	4.745E+08	4.396E+08	4.105E+08	3.913E+08	3.776E+08	3.663E+08	3.535E+08
ADS ON SOIL	2.367E+09	2.348E+09	2.330E+09	2.297E+09	2.287E+09	2.283E+09	2.292E+09	2.300E+09	2.308E+09	2.318E+09	2.320E+09	2.320E+09
IN SOIL AIR	7.009E+08	6.783E+08	6.508E+08	5.865E+08	5.811E+08	5.932E+08	6.115E+08	6.311E+08	6.426E+08	6.465E+08	6.550E+08	6.664E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	4.495E+07	4.916E+07	5.382E+07	6.395E+07	6.400E+07	6.140E+07	5.688E+07	5.311E+07	5.062E+07	4.884E+07	4.739E+07	4.573E+07
ADS ON SOIL	3.062E+08	3.039E+08	3.016E+08	2.973E+08	2.960E+08	2.954E+08	2.966E+08	2.976E+08	2.985E+08	2.998E+08	3.001E+08	3.001E+08
IN SOIL AIR	9.066E+07	8.778E+07	8.425E+07	7.593E+07	7.520E+07	7.675E+07	7.911E+07	8.164E+07	8.313E+07	8.363E+07	8.473E+07	8.621E+07

SUBLAYER 2

IN SOIL MOI	5.662E+07	6.193E+07	6.780E+07	8.056E+07	8.060E+07	7.733E+07	7.163E+07	6.688E+07	6.375E+07	6.151E+07	5.968E+07	5.759E+07
ADS ON SOIL	3.857E+08	3.828E+08	3.799E+08	3.745E+08	3.728E+08	3.720E+08	3.735E+08	3.748E+08	3.760E+08	3.775E+08	3.779E+08	3.780E+08
IN SOIL AIR	1.142E+08	1.106E+08	1.061E+08	9.564E+07	9.472E+07	9.666E+07	9.963E+07	1.028E+08	1.047E+08	1.053E+08	1.067E+08	1.086E+08

SUBLAYER 3

IN SOIL MOI	7.308E+07	7.994E+07	8.753E+07	1.040E+08	1.041E+08	9.983E+07	9.247E+07	8.634E+07	8.229E+07	7.939E+07	7.704E+07	7.434E+07
ADS ON SOIL	4.978E+08	4.941E+08	4.905E+08	4.835E+08	4.813E+08	4.802E+08	4.822E+08	4.838E+08	4.853E+08	4.873E+08	4.878E+08	4.879E+08
IN SOIL AIR	1.474E+08	1.427E+08	1.370E+08	1.235E+08	1.223E+08	1.248E+08	1.286E+08	1.327E+08	1.351E+08	1.360E+08	1.377E+08	1.402E+08

SUBLAYER 4

IN SOIL MOI 9.684E+07 1.060E+08 1.160E+08 1.379E+08 1.380E+08 1.324E+08 1.226E+08 1.145E+08 1.091E+08 1.053E+08 1.022E+08 9.859E+07
ADS ON SOIL 6.596E+08 6.549E+08 6.503E+08 6.412E+08 6.382E+08 6.368E+08 6.395E+08 6.416E+08 6.436E+08 6.463E+08 6.470E+08 6.471E+08
IN SOIL AIR 1.953E+08 1.892E+08 1.816E+08 1.637E+08 1.622E+08 1.655E+08 1.706E+08 1.760E+08 1.792E+08 1.803E+08 1.827E+08 1.859E+08

SUBLAYER 5

IN SOIL MOI 1.301E+08 1.425E+08 1.561E+08 1.856E+08 1.858E+08 1.783E+08 1.652E+08 1.543E+08 1.471E+08 1.419E+08 1.377E+08 1.329E+08
ADS ON SOIL 8.864E+08 8.805E+08 8.747E+08 8.630E+08 8.594E+08 8.579E+08 8.617E+08 8.645E+08 8.672E+08 8.709E+08 8.718E+08 8.720E+08
IN SOIL AIR 2.625E+08 2.543E+08 2.443E+08 2.204E+08 2.184E+08 2.229E+08 2.298E+08 2.372E+08 2.415E+08 2.429E+08 2.461E+08 2.505E+08

SUBLAYER 6

IN SOIL MOI 1.711E+08 1.875E+08 2.056E+08 2.449E+08 2.455E+08 2.358E+08 2.186E+08 2.041E+08 1.946E+08 1.877E+08 1.822E+08 1.758E+08
ADS ON SOIL 1.166E+09 1.159E+09 1.152E+09 1.139E+09 1.135E+09 1.134E+09 1.140E+09 1.144E+09 1.148E+09 1.152E+09 1.154E+09 1.154E+09
IN SOIL AIR 3.452E+08 3.348E+08 3.219E+08 2.908E+08 2.884E+08 2.948E+08 3.041E+08 3.138E+08 3.195E+08 3.215E+08 3.257E+08 3.315E+08

SUBLAYER 7

IN SOIL MOI 2.076E+08 2.278E+08 2.501E+08 2.988E+08 3.000E+08 2.888E+08 2.680E+08 2.503E+08 2.386E+08 2.302E+08 2.234E+08 2.157E+08
ADS ON SOIL 1.414E+09 1.408E+09 1.402E+09 1.389E+09 1.388E+09 1.389E+09 1.397E+09 1.403E+09 1.407E+09 1.413E+09 1.415E+09 1.415E+09
IN SOIL AIR 4.187E+08 4.066E+08 3.916E+08 3.547E+08 3.526E+08 3.610E+08 3.727E+08 3.848E+08 3.918E+08 3.942E+08 3.994E+08 4.066E+08

SUBLAYER 8

IN SOIL MOI 2.166E+08 2.379E+08 2.617E+08 3.138E+08 3.161E+08 3.051E+08 2.835E+08 2.649E+08 2.525E+08 2.436E+08 2.365E+08 2.283E+08
ADS ON SOIL 1.475E+09 1.470E+09 1.467E+09 1.459E+09 1.462E+09 1.467E+09 1.478E+09 1.484E+09 1.489E+09 1.496E+09 1.497E+09 1.498E+09
IN SOIL AIR 4.368E+08 4.248E+08 4.097E+08 3.726E+08 3.715E+08 3.813E+08 3.943E+08 4.072E+08 4.147E+08 4.172E+08 4.228E+08 4.304E+08

SUBLAYER 9

IN SOIL MOI 1.806E+08 1.987E+08 2.189E+08 2.637E+08 2.667E+08 2.582E+08 2.404E+08 2.247E+08 2.143E+08 2.067E+08 2.006E+08 1.938E+08
ADS ON SOIL 1.230E+09 1.228E+09 1.227E+09 1.226E+09 1.233E+09 1.242E+09 1.253E+09 1.259E+09 1.264E+09 1.269E+09 1.271E+09 1.272E+09
IN SOIL AIR 3.642E+08 3.547E+08 3.427E+08 3.130E+08 3.134E+08 3.227E+08 3.343E+08 3.454E+08 3.518E+08 3.540E+08 3.587E+08 3.653E+08

SUBLAYER 10

IN SOIL MOI 1.120E+08 1.233E+08 1.360E+08 1.646E+08 1.673E+08 1.626E+08 1.516E+08 1.419E+08 1.353E+08 1.306E+08 1.267E+08 1.224E+08
ADS ON SOIL 7.629E+08 7.619E+08 7.619E+08 7.651E+08 7.736E+08 7.820E+08 7.908E+08 7.950E+08 7.979E+08 8.014E+08 8.024E+08 8.032E+08
IN SOIL AIR 2.259E+08 2.201E+08 2.128E+08 1.954E+08 1.965E+08 2.032E+08 2.109E+08 2.181E+08 2.222E+08 2.236E+08 2.266E+08 2.307E+08
GWR. RUNOFF 0.000E+00 0.000E+00 8.930E+05 1.067E+07 1.152E+07 9.050E+06 4.799E+06 2.018E+06 7.437E+05 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 8.465E-01 8.397E-01 8.331E-01 8.213E-01 8.179E-01 8.163E-01 8.198E-01 8.227E-01 8.253E-01 8.288E-01 8.296E-01 8.297E-01
%SOLUBILITY 3.527E-01 3.499E-01 3.471E-01 3.422E-01 3.408E-01 3.401E-01 3.416E-01 3.428E-01 3.439E-01 3.453E-01 3.457E-01 3.457E-01
ADSORBED 2.865E-01 2.843E-01 2.820E-01 2.780E-01 2.769E-01 2.763E-01 2.775E-01 2.785E-01 2.794E-01 2.806E-01 2.808E-01 2.809E-01
SOIL AIR 6.138E-01 6.167E-01 6.178E-01 6.168E-01 6.132E-01 6.109E-01 6.018E-01 5.992E-01 5.961E-01 5.895E-01 5.897E-01 5.917E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 6.775E-01 6.724E-01 6.674E-01 6.579E-01 6.550E-01 6.536E-01 6.563E-01 6.585E-01 6.606E-01 6.634E-01 6.640E-01 6.641E-01
%SOLUBILITY 2.823E-01 2.801E-01 2.781E-01 2.741E-01 2.729E-01 2.723E-01 2.735E-01 2.744E-01 2.752E-01 2.764E-01 2.767E-01 2.767E-01
ADSORBED 2.293E-01 2.276E-01 2.259E-01 2.227E-01 2.217E-01 2.212E-01 2.222E-01 2.229E-01 2.236E-01 2.246E-01 2.248E-01 2.248E-01
SOIL AIR 4.913E-01 4.938E-01 4.949E-01 4.941E-01 4.910E-01 4.890E-01 4.818E-01 4.796E-01 4.771E-01 4.718E-01 4.720E-01 4.736E-01

SUBLAYER 2

MOISTURE 8.533E-01 8.469E-01 8.407E-01 8.287E-01 8.249E-01 8.231E-01 8.265E-01 8.293E-01 8.319E-01 8.354E-01 8.362E-01 8.364E-01
%SOLUBILITY 3.556E-01 3.529E-01 3.503E-01 3.453E-01 3.437E-01 3.430E-01 3.444E-01 3.455E-01 3.466E-01 3.481E-01 3.484E-01 3.485E-01
ADSORBED 2.889E-01 2.867E-01 2.846E-01 2.805E-01 2.793E-01 2.786E-01 2.798E-01 2.807E-01 2.816E-01 2.828E-01 2.831E-01 2.831E-01
SOIL AIR 6.188E-01 6.220E-01 6.235E-01 6.224E-01 6.184E-01 6.159E-01 6.067E-01 6.040E-01 6.008E-01 5.942E-01 5.944E-01 5.965E-01

SUBLAYER 3

MOISTURE 1.101E+00 1.093E+00 1.085E+00 1.070E+00 1.065E+00 1.063E+00 1.067E+00 1.070E+00 1.074E+00 1.078E+00 1.079E+00 1.080E+00
%SOLUBILITY 4.589E-01 4.555E-01 4.522E-01 4.458E-01 4.437E-01 4.427E-01 4.446E-01 4.460E-01 4.474E-01 4.493E-01 4.498E-01 4.498E-01
ADSORBED 3.729E-01 3.701E-01 3.674E-01 3.622E-01 3.605E-01 3.597E-01 3.612E-01 3.624E-01 3.635E-01 3.650E-01 3.654E-01 3.655E-01
SOIL AIR 7.987E-01 8.030E-01 8.049E-01 8.035E-01 7.983E-01 7.951E-01 7.832E-01 7.797E-01 7.756E-01 7.670E-01 7.673E-01 7.700E-01

SUBLAYER 4

MOISTURE 1.460E+00 1.449E+00 1.439E+00 1.419E+00 1.412E+00 1.409E+00 1.415E+00 1.420E+00 1.424E+00 1.430E+00 1.432E+00 1.432E+00
%SOLUBILITY 6.082E-01 6.038E-01 5.995E-01 5.911E-01 5.884E-01 5.871E-01 5.896E-01 5.915E-01 5.934E-01 5.959E-01 5.965E-01 5.966E-01
ADSORBED 4.941E-01 4.906E-01 4.871E-01 4.803E-01 4.781E-01 4.770E-01 4.790E-01 4.806E-01 4.821E-01 4.841E-01 4.846E-01 4.847E-01
SOIL AIR 1.058E+00 1.064E+00 1.067E+00 1.065E+00 1.059E+00 1.054E+00 1.039E+00 1.034E+00 1.029E+00 1.017E+00 1.018E+00 1.021E+00

SUBLAYER 5

MOISTURE 1.961E+00 1.948E+00 1.935E+00 1.910E+00 1.902E+00 1.898E+00 1.907E+00 1.913E+00 1.919E+00 1.927E+00 1.929E+00 1.929E+00
%SOLUBILITY 8.173E-01 8.118E-01 8.064E-01 7.957E-01 7.924E-01 7.909E-01 7.944E-01 7.971E-01 7.995E-01 8.029E-01 8.038E-01 8.040E-01
ADSORBED 6.640E-01 6.595E-01 6.552E-01 6.464E-01 6.438E-01 6.426E-01 6.454E-01 6.476E-01 6.496E-01 6.523E-01 6.530E-01 6.532E-01
SOIL AIR 1.422E+00 1.431E+00 1.435E+00 1.434E+00 1.426E+00 1.420E+00 1.400E+00 1.393E+00 1.386E+00 1.371E+00 1.371E+00 1.376E+00

SUBLAYER 6

MOISTURE 2.579E+00 2.564E+00 2.550E+00 2.520E+00 2.512E+00 2.510E+00 2.523E+00 2.531E+00 2.539E+00 2.550E+00 2.553E+00 2.554E+00
%SOLUBILITY 1.075E+00 1.068E+00 1.062E+00 1.050E+00 1.047E+00 1.046E+00 1.051E+00 1.055E+00 1.058E+00 1.062E+00 1.064E+00 1.064E+00
ADSORBED 8.731E-01 8.680E-01 8.631E-01 8.530E-01 8.504E-01 8.497E-01 8.539E-01 8.569E-01 8.595E-01 8.632E-01 8.641E-01 8.645E-01
SOIL AIR 1.870E+00 1.883E+00 1.891E+00 1.892E+00 1.883E+00 1.878E+00 1.852E+00 1.844E+00 1.834E+00 1.814E+00 1.815E+00 1.821E+00

SUBLAYER 7

MOISTURE 3.129E+00 3.115E+00 3.102E+00 3.073E+00 3.071E+00 3.074E+00 3.092E+00 3.104E+00 3.113E+00 3.127E+00 3.130E+00 3.132E+00
%SOLUBILITY 1.304E+00 1.298E+00 1.292E+00 1.281E+00 1.279E+00 1.281E+00 1.288E+00 1.293E+00 1.297E+00 1.303E+00 1.304E+00 1.305E+00
ADSORBED 1.059E+00 1.054E+00 1.050E+00 1.040E+00 1.040E+00 1.041E+00 1.047E+00 1.051E+00 1.054E+00 1.058E+00 1.060E+00 1.060E+00
SOIL AIR 2.269E+00 2.288E+00 2.300E+00 2.308E+00 2.302E+00 2.300E+00 2.270E+00 2.260E+00 2.249E+00 2.224E+00 2.225E+00 2.234E+00

SUBLAYER 8

MOISTURE 3.264E+00 3.254E+00 3.245E+00 3.228E+00 3.235E+00 3.247E+00 3.271E+00 3.284E+00 3.295E+00 3.309E+00 3.313E+00 3.316E+00
%SOLUBILITY 1.360E+00 1.356E+00 1.352E+00 1.345E+00 1.348E+00 1.353E+00 1.363E+00 1.368E+00 1.373E+00 1.379E+00 1.380E+00 1.382E+00
ADSORBED 1.105E+00 1.101E+00 1.099E+00 1.093E+00 1.095E+00 1.099E+00 1.107E+00 1.112E+00 1.115E+00 1.120E+00 1.122E+00 1.122E+00
SOIL AIR 2.367E+00 2.390E+00 2.407E+00 2.424E+00 2.425E+00 2.430E+00 2.401E+00 2.392E+00 2.380E+00 2.354E+00 2.355E+00 2.365E+00

SUBLAYER 9

MOISTURE 2.722E+00 2.717E+00 2.714E+00 2.712E+00 2.729E+00 2.748E+00 2.773E+00 2.786E+00 2.796E+00 2.808E+00 2.811E+00 2.814E+00
%SOLUBILITY 1.134E+00 1.132E+00 1.131E+00 1.130E+00 1.137E+00 1.145E+00 1.156E+00 1.161E+00 1.165E+00 1.170E+00 1.171E+00 1.173E+00

ADSORBED 9.214E-01 9.198E-01 9.189E-01 9.182E-01 9.239E-01 9.303E-01 9.389E-01 9.432E-01 9.464E-01 9.505E-01 9.517E-01 9.526E-01
SOIL AIR 1.974E+00 1.995E+00 2.013E+00 2.037E+00 2.046E+00 2.056E+00 2.036E+00 2.029E+00 2.019E+00 1.997E+00 1.998E+00 2.007E+00

SUBLAYER 10

MOISTURE 1.688E+00 1.686E+00 1.686E+00 1.693E+00 1.712E+00 1.730E+00 1.750E+00 1.759E+00 1.766E+00 1.773E+00 1.775E+00 1.777E+00
%SOLUBILITY 7.034E-01 7.025E-01 7.025E-01 7.054E-01 7.132E-01 7.209E-01 7.290E-01 7.329E-01 7.356E-01 7.388E-01 7.398E-01 7.405E-01
ADSORBED 5.714E-01 5.707E-01 5.707E-01 5.731E-01 5.795E-01 5.857E-01 5.923E-01 5.955E-01 5.977E-01 6.003E-01 6.010E-01 6.017E-01
SOIL AIR 1.224E+00 1.238E+00 1.250E+00 1.271E+00 1.283E+00 1.295E+00 1.284E+00 1.281E+00 1.275E+00 1.261E+00 1.262E+00 1.268E+00

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 3.490E-04 4.178E-03 4.507E-03 3.538E-03 1.874E-03 7.875E-04 2.901E-04 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 70 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

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      SUBLAYER  3

      SUBLAYER  4

      SUBLAYER  5

      SUBLAYER  6

      SUBLAYER  7

      SUBLAYER  8

      SUBLAYER  9

      SUBLAYER 10

         TOTAL IN GROUNDWATER RUNOFF      3.970E+07
1              -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
               ---------------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  4.000E-10
                    ADSORBED SOIL (UG/G)   1.354E-10
                    SOIL AIR (UG/ML)       2.923E-10

   SOIL ZONE 2:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  3.000E-09
                    ADSORBED SOIL (UG/G)   1.016E-09
                    SOIL AIR (UG/ML)       2.193E-09

   SOIL ZONE 3:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  8.276E-01
                    ADSORBED SOIL (UG/G)   2.801E-01
                    SOIL AIR (UG/ML)       6.048E-01

   LOWER SOIL ZONE:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  6.625E-01
                    ADSORBED SOIL (UG/G)   2.243E-01
                    SOIL AIR (UG/ML)       4.842E-01

      SUBLAYER  2

                    SOIL MOISTURE (UG/ML)  8.344E-01
                    ADSORBED SOIL (UG/G)   2.825E-01
                    SOIL AIR (UG/ML)       6.098E-01

      SUBLAYER  3

                    SOIL MOISTURE (UG/ML)  1.077E+00
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ADSORBED SOIL (UG/G) 3.646E-01
SOIL AIR (UG/ML) 7.872E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 1.428E+00
ADSORBED SOIL (UG/G) 4.835E-01
SOIL AIR (UG/ML) 1.044E+00

SUBLAYER 5

SOIL MOISTURE (UG/ML) 1.923E+00
ADSORBED SOIL (UG/G) 6.510E-01
SOIL AIR (UG/ML) 1.405E+00

SUBLAYER 6

SOIL MOISTURE (UG/ML) 2.540E+00
ADSORBED SOIL (UG/G) 8.600E-01
SOIL AIR (UG/ML) 1.856E+00

SUBLAYER 7

SOIL MOISTURE (UG/ML) 3.105E+00
ADSORBED SOIL (UG/G) 1.051E+00
SOIL AIR (UG/ML) 2.269E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 3.272E+00
ADSORBED SOIL (UG/G) 1.108E+00
SOIL AIR (UG/ML) 2.391E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 2.761E+00
ADSORBED SOIL (UG/G) 9.347E-01
SOIL AIR (UG/ML) 2.017E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 1.733E+00
ADSORBED SOIL (UG/G) 5.866E-01
SOIL AIR (UG/ML) 1.266E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 1.294E-03
1

YEAR - 80 MONTHLY RESULTS (OUTPUT)
======== ==========

– HYDROLOGIC CYCLE COMPONENTS –

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392

EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199

PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	2.766E+08	3.024E+08	3.309E+08	3.932E+08	3.936E+08	3.777E+08	3.499E+08	3.268E+08	3.115E+08	3.005E+08	2.916E+08	2.814E+08
ADS ON SOIL	1.884E+09	1.869E+09	1.854E+09	1.828E+09	1.820E+09	1.817E+09	1.825E+09	1.831E+09	1.837E+09	1.845E+09	1.846E+09	1.847E+09
IN SOIL AIR	5.578E+08	5.399E+08	5.180E+08	4.668E+08	4.625E+08	4.721E+08	4.867E+08	5.023E+08	5.115E+08	5.146E+08	5.213E+08	5.304E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	3.577E+07	3.913E+07	4.283E+07	5.090E+07	5.093E+07	4.886E+07	4.527E+07	4.227E+07	4.029E+07	3.887E+07	3.771E+07	3.639E+07
ADS ON SOIL	2.437E+08	2.418E+08	2.400E+08	2.366E+08	2.356E+08	2.351E+08	2.360E+08	2.368E+08	2.376E+08	2.386E+08	2.388E+08	2.388E+08
IN SOIL AIR	7.215E+07	6.986E+07	6.705E+07	6.042E+07	5.985E+07	6.108E+07	6.296E+07	6.497E+07	6.616E+07	6.656E+07	6.743E+07	6.861E+07

SUBLAYER 2

IN SOIL MOI	4.506E+07	4.929E+07	5.396E+07	6.411E+07	6.415E+07	6.154E+07	5.701E+07	5.323E+07	5.074E+07	4.895E+07	4.750E+07	4.583E+07
ADS ON SOIL	3.069E+08	3.046E+08	3.024E+08	2.981E+08	2.967E+08	2.961E+08	2.973E+08	2.983E+08	2.992E+08	3.005E+08	3.008E+08	3.008E+08
IN SOIL AIR	9.088E+07	8.800E+07	8.447E+07	7.612E+07	7.539E+07	7.693E+07	7.929E+07	8.183E+07	8.332E+07	8.382E+07	8.492E+07	8.641E+07

SUBLAYER 3

IN SOIL MOI	5.824E+07	6.372E+07	6.976E+07	8.289E+07	8.293E+07	7.955E+07	7.369E+07	6.880E+07	6.558E+07	6.327E+07	6.140E+07	5.925E+07
ADS ON SOIL	3.967E+08	3.938E+08	3.909E+08	3.854E+08	3.836E+08	3.827E+08	3.843E+08	3.856E+08	3.868E+08	3.884E+08	3.888E+08	3.888E+08
IN SOIL AIR	1.175E+08	1.138E+08	1.092E+08	9.841E+07	9.745E+07	9.944E+07	1.025E+08	1.058E+08	1.077E+08	1.083E+08	1.098E+08	1.117E+08

SUBLAYER 4

SOIL MOI 7.757E+07 8.487E+07 9.294E+07 1.104E+08 1.105E+08 1.060E+08 9.818E+07 9.166E+07 8.737E+07 8.429E+07 8.179E+07 7.893E+07
ADS ON SOIL 5.284E+08 5.245E+08 5.208E+08 5.134E+08 5.110E+08 5.098E+08 5.119E+08 5.136E+08 5.152E+08 5.174E+08 5.179E+08 5.180E+08
IN SOIL AIR 1.564E+08 1.515E+08 1.455E+08 1.311E+08 1.298E+08 1.325E+08 1.365E+08 1.409E+08 1.435E+08 1.443E+08 1.462E+08 1.488E+08

SUBLAYER 5

IN SOIL MOI 1.065E+08 1.165E+08 1.276E+08 1.517E+08 1.518E+08 1.456E+08 1.349E+08 1.259E+08 1.200E+08 1.158E+08 1.124E+08 1.085E+08
ADS ON SOIL 7.251E+08 7.201E+08 7.152E+08 7.052E+08 7.020E+08 7.005E+08 7.034E+08 7.057E+08 7.079E+08 7.109E+08 7.117E+08 7.118E+08
IN SOIL AIR 2.147E+08 2.080E+08 1.998E+08 1.801E+08 1.784E+08 1.820E+08 1.876E+08 1.936E+08 1.971E+08 1.983E+08 2.009E+08 2.045E+08

SUBLAYER 6

IN SOIL MOI 1.476E+08 1.616E+08 1.772E+08 2.108E+08 2.110E+08 2.026E+08 1.877E+08 1.753E+08 1.671E+08 1.612E+08 1.564E+08 1.509E+08
ADS ON SOIL 1.005E+09 9.990E+08 9.928E+08 9.800E+08 9.761E+08 9.745E+08 9.789E+08 9.822E+08 9.852E+08 9.894E+08 9.904E+08 9.907E+08
IN SOIL AIR 2.977E+08 2.886E+08 2.773E+08 2.502E+08 2.480E+08 2.532E+08 2.611E+08 2.694E+08 2.743E+08 2.760E+08 2.796E+08 2.846E+08

SUBLAYER 7

IN SOIL MOI 1.971E+08 2.161E+08 2.371E+08 2.826E+08 2.834E+08 2.724E+08 2.526E+08 2.359E+08 2.248E+08 2.169E+08 2.105E+08 2.032E+08
ADS ON SOIL 1.343E+09 1.336E+09 1.329E+09 1.314E+09 1.311E+09 1.310E+09 1.317E+09 1.322E+09 1.326E+09 1.331E+09 1.333E+09 1.333E+09
IN SOIL AIR 3.976E+08 3.858E+08 3.712E+08 3.356E+08 3.330E+08 3.405E+08 3.513E+08 3.626E+08 3.692E+08 3.714E+08 3.763E+08 3.830E+08

SUBLAYER 8

IN SOIL MOI 2.360E+08 2.590E+08 2.847E+08 3.403E+08 3.420E+08 3.294E+08 3.058E+08 2.857E+08 2.723E+08 2.627E+08 2.550E+08 2.462E+08
ADS ON SOIL 1.608E+09 1.601E+09 1.595E+09 1.582E+09 1.582E+09 1.585E+09 1.595E+09 1.601E+09 1.606E+09 1.613E+09 1.615E+09 1.616E+09
IN SOIL AIR 4.760E+08 4.625E+08 4.456E+08 4.041E+08 4.020E+08 4.118E+08 4.254E+08 4.391E+08 4.472E+08 4.499E+08 4.559E+08 4.641E+08

SUBLAYER 9

IN SOIL MOI 2.329E+08 2.559E+08 2.817E+08 3.381E+08 3.410E+08 3.293E+08 3.062E+08 2.861E+08 2.728E+08 2.632E+08 2.554E+08 2.467E+08
ADS ON SOIL 1.586E+09 1.582E+09 1.579E+09 1.572E+09 1.577E+09 1.584E+09 1.597E+09 1.603E+09 1.609E+09 1.616E+09 1.618E+09 1.619E+09
IN SOIL AIR 4.697E+08 4.570E+08 4.410E+08 4.014E+08 4.007E+08 4.117E+08 4.259E+08 4.399E+08 4.479E+08 4.507E+08 4.567E+08 4.650E+08

SUBLAYER 10

IN SOIL MOI 1.729E+08 1.902E+08 2.096E+08 2.527E+08 2.560E+08 2.481E+08 2.311E+08 2.161E+08 2.060E+08 1.988E+08 1.929E+08 1.863E+08
ADS ON SOIL 1.178E+09 1.175E+09 1.174E+09 1.175E+09 1.184E+09 1.193E+09 1.205E+09 1.211E+09 1.215E+09 1.220E+09 1.222E+09 1.223E+09
IN SOIL AIR 3.487E+08 3.396E+08 3.280E+08 3.000E+08 3.008E+08 3.101E+08 3.214E+08 3.322E+08 3.383E+08 3.404E+08 3.450E+08 3.513E+08
GWR. RUNOFF 0.000E+00 0.000E+00 1.377E+06 1.642E+07 1.766E+07 1.383E+07 7.318E+06 3.075E+06 1.133E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 6.737E-01 6.683E-01 6.631E-01 6.537E-01 6.510E-01 6.497E-01 6.525E-01 6.548E-01 6.569E-01 6.596E-01 6.603E-01 6.603E-01
%SOLUBILITY 2.807E-01 2.785E-01 2.763E-01 2.724E-01 2.713E-01 2.707E-01 2.719E-01 2.728E-01 2.737E-01 2.749E-01 2.751E-01 2.751E-01
ADSORBED 2.281E-01 2.262E-01 2.245E-01 2.213E-01 2.204E-01 2.200E-01 2.209E-01 2.217E-01 2.224E-01 2.233E-01 2.235E-01 2.235E-01
SOIL AIR 4.886E-01 4.909E-01 4.918E-01 4.910E-01 4.880E-01 4.862E-01 4.790E-01 4.769E-01 4.744E-01 4.692E-01 4.694E-01 4.710E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 5.392E-01 5.351E-01 5.311E-01 5.236E-01 5.212E-01 5.201E-01 5.223E-01 5.241E-01 5.257E-01 5.279E-01 5.284E-01 5.285E-01
%SOLUBILITY 2.247E-01 2.230E-01 2.213E-01 2.182E-01 2.172E-01 2.167E-01 2.176E-01 2.184E-01 2.190E-01 2.200E-01 2.202E-01 2.202E-01
ADSORBED 1.825E-01 1.811E-01 1.798E-01 1.772E-01 1.765E-01 1.761E-01 1.768E-01 1.774E-01 1.780E-01 1.787E-01 1.789E-01 1.789E-01
SOIL AIR 3.910E-01 3.930E-01 3.939E-01 3.932E-01 3.907E-01 3.892E-01 3.834E-01 3.817E-01 3.797E-01 3.755E-01 3.756E-01 3.769E-01

SUBLAYER 2

MOISTURE 6.792E-01 6.741E-01 6.691E-01 6.596E-01 6.565E-01 6.551E-01 6.578E-01 6.600E-01 6.621E-01 6.649E-01 6.655E-01 6.656E-01
%SOLUBILITY 2.830E-01 2.809E-01 2.788E-01 2.748E-01 2.736E-01 2.730E-01 2.741E-01 2.750E-01 2.759E-01 2.770E-01 2.773E-01 2.773E-01
ADSORBED 2.299E-01 2.282E-01 2.265E-01 2.233E-01 2.223E-01 2.218E-01 2.227E-01 2.234E-01 2.241E-01 2.251E-01 2.253E-01 2.253E-01
SOIL AIR 4.925E-01 4.951E-01 4.962E-01 4.953E-01 4.922E-01 4.902E-01 4.829E-01 4.807E-01 4.782E-01 4.729E-01 4.731E-01 4.747E-01

SUBLAYER 3

MOISTURE 8.778E-01 8.713E-01 8.650E-01 8.527E-01 8.487E-01 8.468E-01 8.503E-01 8.531E-01 8.558E-01 8.594E-01 8.603E-01 8.604E-01
%SOLUBILITY 3.658E-01 3.631E-01 3.604E-01 3.553E-01 3.536E-01 3.528E-01 3.543E-01 3.555E-01 3.566E-01 3.581E-01 3.584E-01 3.585E-01
ADSORBED 2.972E-01 2.950E-01 2.928E-01 2.886E-01 2.873E-01 2.867E-01 2.878E-01 2.888E-01 2.897E-01 2.909E-01 2.912E-01 2.913E-01
SOIL AIR 6.366E-01 6.400E-01 6.415E-01 6.404E-01 6.362E-01 6.336E-01 6.242E-01 6.213E-01 6.181E-01 6.113E-01 6.115E-01 6.136E-01

SUBLAYER 4

MOISTURE 1.169E+00 1.161E+00 1.152E+00 1.136E+00 1.131E+00 1.128E+00 1.133E+00 1.137E+00 1.140E+00 1.145E+00 1.146E+00 1.146E+00
%SOLUBILITY 4.871E-01 4.836E-01 4.802E-01 4.733E-01 4.711E-01 4.701E-01 4.720E-01 4.735E-01 4.750E-01 4.770E-01 4.775E-01 4.776E-01
ADSORBED 3.958E-01 3.929E-01 3.901E-01 3.846E-01 3.828E-01 3.819E-01 3.835E-01 3.847E-01 3.859E-01 3.875E-01 3.879E-01 3.880E-01
SOIL AIR 8.478E-01 8.524E-01 8.546E-01 8.532E-01 8.476E-01 8.442E-01 8.315E-01 8.277E-01 8.234E-01 8.143E-01 8.146E-01 8.175E-01

SUBLAYER 5

MOISTURE 1.604E+00 1.593E+00 1.582E+00 1.560E+00 1.553E+00 1.550E+00 1.556E+00 1.562E+00 1.566E+00 1.573E+00 1.575E+00 1.575E+00
%SOLUBILITY 6.685E-01 6.639E-01 6.594E-01 6.502E-01 6.472E-01 6.458E-01 6.485E-01 6.507E-01 6.527E-01 6.554E-01 6.561E-01 6.563E-01
ADSORBED 5.431E-01 5.394E-01 5.357E-01 5.282E-01 5.258E-01 5.247E-01 5.269E-01 5.286E-01 5.303E-01 5.325E-01 5.331E-01 5.332E-01
SOIL AIR 1.164E+00 1.170E+00 1.174E+00 1.172E+00 1.164E+00 1.160E+00 1.143E+00 1.137E+00 1.131E+00 1.119E+00 1.119E+00 1.123E+00

SUBLAYER 6

MOISTURE 2.225E+00 2.211E+00 2.197E+00 2.168E+00 2.160E+00 2.156E+00 2.166E+00 2.173E+00 2.180E+00 2.189E+00 2.192E+00 2.192E+00
%SOLUBILITY 9.270E-01 9.211E-01 9.154E-01 9.035E-01 8.999E-01 8.985E-01 9.025E-01 9.055E-01 9.083E-01 9.122E-01 9.131E-01 9.134E-01
ADSORBED 7.531E-01 7.483E-01 7.437E-01 7.340E-01 7.311E-01 7.300E-01 7.332E-01 7.357E-01 7.379E-01 7.411E-01 7.419E-01 7.421E-01
SOIL AIR 1.613E+00 1.624E+00 1.629E+00 1.628E+00 1.619E+00 1.614E+00 1.590E+00 1.583E+00 1.574E+00 1.557E+00 1.558E+00 1.563E+00

SUBLAYER 7

MOISTURE 2.971E+00 2.955E+00 2.940E+00 2.908E+00 2.900E+00 2.899E+00 2.914E+00 2.924E+00 2.934E+00 2.946E+00 2.949E+00 2.951E+00
%SOLUBILITY 1.238E+00 1.231E+00 1.225E+00 1.212E+00 1.208E+00 1.208E+00 1.214E+00 1.219E+00 1.222E+00 1.228E+00 1.229E+00 1.229E+00
ADSORBED 1.006E+00 1.000E+00 9.953E-01 9.843E-01 9.818E-01 9.815E-01 9.866E-01 9.900E-01 9.931E-01 9.973E-01 9.984E-01 9.988E-01
SOIL AIR 2.155E+00 2.171E+00 2.180E+00 2.184E+00 2.174E+00 2.169E+00 2.139E+00 2.130E+00 2.119E+00 2.095E+00 2.096E+00 2.104E+00

SUBLAYER 8

MOISTURE 3.557E+00 3.542E+00 3.530E+00 3.501E+00 3.501E+00 3.507E+00 3.529E+00 3.542E+00 3.553E+00 3.568E+00 3.573E+00 3.575E+00
%SOLUBILITY 1.482E+00 1.476E+00 1.471E+00 1.459E+00 1.459E+00 1.461E+00 1.470E+00 1.476E+00 1.481E+00 1.487E+00 1.489E+00 1.490E+00
ADSORBED 1.204E+00 1.199E+00 1.195E+00 1.185E+00 1.185E+00 1.187E+00 1.195E+00 1.199E+00 1.203E+00 1.208E+00 1.209E+00 1.210E+00
SOIL AIR 2.579E+00 2.602E+00 2.618E+00 2.629E+00 2.624E+00 2.624E+00 2.590E+00 2.580E+00 2.566E+00 2.538E+00 2.539E+00 2.550E+00

SUBLAYER 9

MOISTURE 3.510E+00 3.500E+00 3.493E+00 3.478E+00 3.490E+00 3.505E+00 3.533E+00 3.548E+00 3.559E+00 3.575E+00 3.579E+00 3.582E+00
%SOLUBILITY 1.462E+00 1.458E+00 1.455E+00 1.449E+00 1.454E+00 1.461E+00 1.472E+00 1.478E+00 1.483E+00 1.490E+00 1.491E+00 1.493E+00
ADSORBED 1.188E+00 1.185E+00 1.182E+00 1.178E+00 1.181E+00 1.187E+00 1.196E+00 1.201E+00 1.205E+00 1.210E+00 1.212E+00 1.213E+00

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SOIL AIR    2.545E+00 2.571E+00 2.590E+00 2.612E+00 2.616E+00 2.623E+00 2.594E+00 2.584E+00 2.571E+00 2.543E+00 2.544E+00 2.555E+00

      SUBLAYER 10

MOISTURE    2.606E+00 2.601E+00 2.599E+00 2.600E+00 2.620E+00 2.641E+00 2.666E+00 2.679E+00 2.689E+00 2.700E+00 2.704E+00 2.706E+00
%SOLUBILITY 1.086E+00 1.084E+00 1.083E+00 1.083E+00 1.091E+00 1.100E+00 1.111E+00 1.116E+00 1.120E+00 1.125E+00 1.126E+00 1.128E+00
ADSORBED    8.822E-01 8.805E-01 8.797E-01 8.800E-01 8.868E-01 8.939E-01 9.026E-01 9.069E-01 9.101E-01 9.141E-01 9.152E-01 9.161E-01
SOIL AIR    1.890E+00 1.910E+00 1.927E+00 1.952E+00 1.964E+00 1.976E+00 1.957E+00 1.951E+00 1.942E+00 1.921E+00 1.922E+00 1.930E+00


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03


   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 5.380E-04 6.415E-03 6.896E-03 5.399E-03 2.856E-03 1.199E-03 4.417E-04 0.000E+00 0.000E+00 0.000E+00
1                YEAR -  80 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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)        8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)             24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                  1.265
TOTAL MOISTURE RETENTION (CM)             0.001
TOTAL YIELD (CM)                   7.763
0       -- 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


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1


   LOWER SOIL ZONE:

      SUBLAYER  1


      SUBLAYER  2
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      SUBLAYER  3

      SUBLAYER  4

      SUBLAYER  5

      SUBLAYER  6

      SUBLAYER  7

      SUBLAYER  8

      SUBLAYER  9

      SUBLAYER 10

         TOTAL IN GROUNDWATER RUNOFF      6.081E+07
1              -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
               ------------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER  1

                  SOIL MOISTURE (UG/ML)  4.000E-10
                  ADSORBED SOIL (UG/G)   1.354E-10
                  SOIL AIR (UG/ML)       2.923E-10

   SOIL ZONE 2:

      SUBLAYER  1

                  SOIL MOISTURE (UG/ML)  3.000E-09
                  ADSORBED SOIL (UG/G)   1.016E-09
                  SOIL AIR (UG/ML)       2.193E-09

   SOIL ZONE 3:

      SUBLAYER  1

                  SOIL MOISTURE (UG/ML)  6.587E-01
                  ADSORBED SOIL (UG/G)   2.230E-01
                  SOIL AIR (UG/ML)       4.813E-01

   LOWER SOIL ZONE:

      SUBLAYER  1

                  SOIL MOISTURE (UG/ML)  5.273E-01
                  ADSORBED SOIL (UG/G)   1.785E-01
                  SOIL AIR (UG/ML)       3.853E-01

      SUBLAYER  2

                  SOIL MOISTURE (UG/ML)  6.641E-01
                  ADSORBED SOIL (UG/G)   2.248E-01
                  SOIL AIR (UG/ML)       4.853E-01

      SUBLAYER  3

                  SOIL MOISTURE (UG/ML)  8.585E-01
                  ADSORBED SOIL (UG/G)   2.906E-01
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SOIL AIR (UG/ML) 6.274E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 1.144E+00
ADSORBED SOIL (UG/G) 3.871E-01
SOIL AIR (UG/ML) 8.357E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 1.571E+00
ADSORBED SOIL (UG/G) 5.318E-01
SOIL AIR (UG/ML) 1.148E+00

SUBLAYER 6

SOIL MOISTURE (UG/ML) 2.184E+00
ADSORBED SOIL (UG/G) 7.393E-01
SOIL AIR (UG/ML) 1.596E+00

SUBLAYER 7

SOIL MOISTURE (UG/ML) 2.933E+00
ADSORBED SOIL (UG/G) 9.928E-01
SOIL AIR (UG/ML) 2.143E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 3.540E+00
ADSORBED SOIL (UG/G) 1.198E+00
SOIL AIR (UG/ML) 2.587E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 3.529E+00
ADSORBED SOIL (UG/G) 1.195E+00
SOIL AIR (UG/ML) 2.579E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 2.651E+00
ADSORBED SOIL (UG/G) 8.973E-01
SOIL AIR (UG/ML) 1.937E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 1.979E-03
1

YEAR - 90 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427

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SUR. RUNOFF (CM)    0.087  0.675  0.658  1.675  1.406  0.822  0.276  0.105  0.022  0.000  0.472  0.293
GRW. RUNOFF (CM)   -0.148 -0.080  0.038  0.453  0.483  0.375  0.196  0.082  0.030 -0.014 -0.057 -0.095
YIELD (CM)         -0.061  0.595  0.696  2.128  1.889  1.197  0.472  0.187  0.052 -0.007  0.415  0.199

PAU/MPA (GZU)       1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008
PA/MPA (GZ)         1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008

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


          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 IS ZERO EACH MONTH, IT IS NOT PRINTED
         ---------------------------------------------------------------------------------------------------------


   UPPER SOIL ZONE:

      SUBLAYER  1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

   SOIL ZONE 2:

      SUBLAYER  1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

   SOIL ZONE 3:

      SUBLAYER  1

IN SOIL MOI 2.201E+08 2.407E+08 2.634E+08 3.129E+08 3.132E+08 3.006E+08 2.785E+08 2.601E+08 2.479E+08 2.392E+08 2.321E+08 2.239E+08
ADS ON SOIL 1.499E+09 1.487E+09 1.476E+09 1.455E+09 1.449E+09 1.446E+09 1.452E+09 1.457E+09 1.462E+09 1.468E+09 1.470E+09 1.470E+09
IN SOIL AIR 4.440E+08 4.297E+08 4.122E+08 3.715E+08 3.681E+08 3.757E+08 3.873E+08 3.998E+08 4.071E+08 4.095E+08 4.149E+08 4.221E+08

   LOWER SOIL ZONE:

      SUBLAYER  1

IN SOIL MOI 2.847E+07 3.114E+07 3.409E+07 4.051E+07 4.053E+07 3.889E+07 3.603E+07 3.364E+07 3.206E+07 3.093E+07 3.002E+07 2.896E+07
ADS ON SOIL 1.939E+08 1.925E+08 1.910E+08 1.883E+08 1.875E+08 1.871E+08 1.879E+08 1.885E+08 1.891E+08 1.899E+08 1.901E+08 1.901E+08
IN SOIL AIR 5.742E+07 5.560E+07 5.336E+07 4.809E+07 4.763E+07 4.861E+07 5.011E+07 5.171E+07 5.265E+07 5.297E+07 5.367E+07 5.460E+07

      SUBLAYER  2

IN SOIL MOI 3.586E+07 3.923E+07 4.295E+07 5.103E+07 5.105E+07 4.898E+07 4.537E+07 4.236E+07 4.038E+07 3.896E+07 3.780E+07 3.648E+07
ADS ON SOIL 2.443E+08 2.424E+08 2.407E+08 2.372E+08 2.361E+08 2.356E+08 2.366E+08 2.374E+08 2.381E+08 2.391E+08 2.394E+08 2.394E+08
IN SOIL AIR 7.233E+07 7.004E+07 6.722E+07 6.058E+07 6.000E+07 6.122E+07 6.310E+07 6.512E+07 6.631E+07 6.671E+07 6.759E+07 6.877E+07

      SUBLAYER  3

IN SOIL MOI 4.638E+07 5.073E+07 5.555E+07 6.600E+07 6.603E+07 6.334E+07 5.868E+07 5.478E+07 5.222E+07 5.038E+07 4.888E+07 4.717E+07
ADS ON SOIL 3.159E+08 3.136E+08 3.113E+08 3.068E+08 3.054E+08 3.047E+08 3.060E+08 3.070E+08 3.079E+08 3.092E+08 3.096E+08 3.096E+08
IN SOIL AIR 9.354E+07 9.058E+07 8.695E+07 7.835E+07 7.759E+07 7.918E+07 8.161E+07 8.421E+07 8.575E+07 8.627E+07 8.740E+07 8.893E+07

      SUBLAYER  4
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IN SOIL MOI 6.191E+07 6.773E+07 7.417E+07 8.812E+07 8.816E+07 8.457E+07 7.834E+07 7.314E+07 6.971E+07 6.726E+07 6.526E+07 6.298E+07
DS ON SOIL 4.217E+08 4.186E+08 4.156E+08 4.097E+08 4.078E+08 4.068E+08 4.085E+08 4.098E+08 4.111E+08 4.129E+08 4.133E+08 4.133E+08
N SOIL AIR 1.249E+08 1.209E+08 1.161E+08 1.046E+08 1.036E+08 1.057E+08 1.090E+08 1.124E+08 1.145E+08 1.152E+08 1.167E+08 1.187E+08

SUBLAYER 5

IN SOIL MOI 8.574E+07 9.383E+07 1.028E+08 1.221E+08 1.222E+08 1.172E+08 1.086E+08 1.013E+08 9.660E+07 9.320E+07 9.043E+07 8.727E+07
ADS ON SOIL 5.840E+08 5.799E+08 5.759E+08 5.677E+08 5.650E+08 5.637E+08 5.661E+08 5.679E+08 5.697E+08 5.721E+08 5.727E+08 5.728E+08
IN SOIL AIR 1.729E+08 1.675E+08 1.609E+08 1.450E+08 1.436E+08 1.465E+08 1.510E+08 1.558E+08 1.586E+08 1.596E+08 1.617E+08 1.645E+08

SUBLAYER 6

IN SOIL MOI 1.226E+08 1.342E+08 1.471E+08 1.749E+08 1.750E+08 1.679E+08 1.555E+08 1.452E+08 1.384E+08 1.335E+08 1.296E+08 1.250E+08
ADS ON SOIL 8.351E+08 8.296E+08 8.242E+08 8.129E+08 8.093E+08 8.076E+08 8.110E+08 8.137E+08 8.162E+08 8.196E+08 8.205E+08 8.207E+08
IN SOIL AIR 2.473E+08 2.396E+08 2.302E+08 2.076E+08 2.056E+08 2.098E+08 2.163E+08 2.232E+08 2.273E+08 2.287E+08 2.317E+08 2.358E+08

SUBLAYER 7

IN SOIL MOI 1.752E+08 1.919E+08 2.105E+08 2.506E+08 2.510E+08 2.410E+08 2.234E+08 2.086E+08 1.988E+08 1.918E+08 1.861E+08 1.796E+08
ADS ON SOIL 1.193E+09 1.186E+09 1.180E+09 1.165E+09 1.161E+09 1.159E+09 1.165E+09 1.169E+09 1.172E+09 1.177E+09 1.179E+09 1.179E+09
IN SOIL AIR 3.533E+08 3.427E+08 3.295E+08 2.975E+08 2.949E+08 3.013E+08 3.107E+08 3.206E+08 3.264E+08 3.284E+08 3.328E+08 3.387E+08

SUBLAYER 8

IN SOIL MOI 2.342E+08 2.569E+08 2.821E+08 3.366E+08 3.378E+08 3.248E+08 3.014E+08 2.814E+08 2.682E+08 2.588E+08 2.512E+08 2.425E+08
ADS ON SOIL 1.595E+09 1.588E+09 1.581E+09 1.565E+09 1.562E+09 1.563E+09 1.571E+09 1.577E+09 1.582E+09 1.589E+09 1.590E+09 1.591E+09
IN SOIL AIR 4.724E+08 4.587E+08 4.416E+08 3.996E+08 3.969E+08 4.061E+08 4.191E+08 4.326E+08 4.405E+08 4.432E+08 4.491E+08 4.571E+08

SUBLAYER 9

IN SOIL MOI 2.677E+08 2.940E+08 3.233E+08 3.871E+08 3.895E+08 3.755E+08 3.488E+08 3.258E+08 3.106E+08 2.997E+08 2.909E+08 2.808E+08
ADS ON SOIL 1.823E+09 1.817E+09 1.812E+09 1.800E+09 1.802E+09 1.806E+09 1.819E+09 1.826E+09 1.832E+09 1.840E+09 1.842E+09 1.843E+09
IN SOIL AIR 5.399E+08 5.249E+08 5.061E+08 4.596E+08 4.577E+08 4.694E+08 4.851E+08 5.009E+08 5.101E+08 5.132E+08 5.200E+08 5.294E+08

SUBLAYER 10

IN SOIL MOI 2.354E+08 2.587E+08 2.849E+08 3.425E+08 3.460E+08 3.346E+08 3.113E+08 2.910E+08 2.774E+08 2.677E+08 2.598E+08 2.509E+08
ADS ON SOIL 1.603E+09 1.599E+09 1.596E+09 1.593E+09 1.600E+09 1.610E+09 1.623E+09 1.631E+09 1.636E+09 1.643E+09 1.645E+09 1.647E+09
IN SOIL AIR 4.747E+08 4.619E+08 4.459E+08 4.067E+08 4.066E+08 4.182E+08 4.330E+08 4.473E+08 4.556E+08 4.584E+08 4.645E+08 4.730E+08
GWR. RUNOFF 0.000E+00 0.000E+00 1.873E+06 2.228E+07 2.391E+07 1.867E+07 9.865E+06 4.142E+06 1.525E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-1D 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 5.362E-01 5.319E-01 5.277E-01 5.203E-01 5.181E-01 5.171E-01 5.193E-01 5.211E-01 5.228E-01 5.250E-01 5.255E-01 5.255E-01
%SOLUBILITY 2.234E-01 2.216E-01 2.199E-01 2.168E-01 2.159E-01 2.155E-01 2.164E-01 2.171E-01 2.178E-01 2.187E-01 2.190E-01 2.190E-01
ADSORBED 1.815E-01 1.801E-01 1.787E-01 1.761E-01 1.754E-01 1.751E-01 1.758E-01 1.764E-01 1.770E-01 1.777E-01 1.779E-01 1.779E-01
SOIL AIR 3.888E-01 3.907E-01 3.914E-01 3.907E-01 3.884E-01 3.869E-01 3.812E-01 3.795E-01 3.776E-01 3.734E-01 3.735E-01 3.748E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.291E-01 4.259E-01 4.227E-01 4.167E-01 4.148E-01 4.140E-01 4.157E-01 4.171E-01 4.184E-01 4.202E-01 4.206E-01 4.206E-01
%SOLUBILITY 1.788E-01 1.774E-01 1.761E-01 1.736E-01 1.729E-01 1.725E-01 1.732E-01 1.738E-01 1.743E-01 1.751E-01 1.752E-01 1.753E-01
ADSORBED 1.453E-01 1.442E-01 1.431E-01 1.411E-01 1.404E-01 1.401E-01 1.407E-01 1.412E-01 1.416E-01 1.422E-01 1.424E-01 1.424E-01
SOIL AIR 3.112E-01 3.128E-01 3.135E-01 3.129E-01 3.110E-01 3.098E-01 3.051E-01 3.038E-01 3.022E-01 2.988E-01 2.990E-01 3.000E-01

SUBLAYER 2

MOISTURE 5.405E-01 5.365E-01 5.325E-01 5.249E-01 5.225E-01 5.213E-01 5.235E-01 5.253E-01 5.269E-01 5.291E-01 5.297E-01 5.297E-01
%SOLUBILITY 2.252E-01 2.235E-01 2.219E-01 2.187E-01 2.177E-01 2.172E-01 2.181E-01 2.189E-01 2.195E-01 2.205E-01 2.207E-01 2.207E-01
ADSORBED 1.830E-01 1.816E-01 1.803E-01 1.777E-01 1.769E-01 1.765E-01 1.772E-01 1.778E-01 1.784E-01 1.791E-01 1.793E-01 1.793E-01
SOIL AIR 3.920E-01 3.940E-01 3.949E-01 3.942E-01 3.917E-01 3.901E-01 3.843E-01 3.826E-01 3.805E-01 3.764E-01 3.765E-01 3.778E-01

SUBLAYER 3

MOISTURE 6.990E-01 6.938E-01 6.888E-01 6.789E-01 6.758E-01 6.742E-01 6.770E-01 6.792E-01 6.814E-01 6.842E-01 6.850E-01 6.850E-01
%SOLUBILITY 2.912E-01 2.891E-01 2.870E-01 2.829E-01 2.816E-01 2.809E-01 2.821E-01 2.830E-01 2.839E-01 2.851E-01 2.854E-01 2.854E-01
ADSORBED 2.366E-01 2.349E-01 2.332E-01 2.298E-01 2.288E-01 2.282E-01 2.292E-01 2.299E-01 2.307E-01 2.316E-01 2.319E-01 2.319E-01
SOIL AIR 5.069E-01 5.096E-01 5.108E-01 5.099E-01 5.066E-01 5.045E-01 4.970E-01 4.947E-01 4.921E-01 4.867E-01 4.869E-01 4.886E-01

SUBLAYER 4

MOISTURE 9.331E-01 9.263E-01 9.197E-01 9.066E-01 9.023E-01 9.002E-01 9.039E-01 9.069E-01 9.097E-01 9.135E-01 9.145E-01 9.146E-01
%SOLUBILITY 3.88BE-01 3.860E-01 3.832E-01 3.777E-01 3.759E-01 3.751E-01 3.766E-01 3.779E-01 3.790E-01 3.806E-01 3.810E-01 3.811E-01
ADSORBED 3.159E-01 3.136E-01 3.113E-01 3.069E-01 3.054E-01 3.047E-01 3.060E-01 3.070E-01 3.079E-01 3.092E-01 3.096E-01 3.096E-01
SOIL AIR 6.766E-01 6.803E-01 6.820E-01 6.808E-01 6.764E-01 6.736E-01 6.635E-01 6.605E-01 6.570E-01 6.498E-01 6.500E-01 6.523E-01

SUBLAYER 5

MOISTURE 1.292E+00 1.283E+00 1.274E+00 1.256E+00 1.250E+00 1.247E+00 1.253E+00 1.257E+00 1.260E+00 1.266E+00 1.267E+00 1.267E+00
%SOLUBILITY 5.384E-01 5.347E-01 5.309E-01 5.234E-01 5.210E-01 5.198E-01 5.219E-01 5.236E-01 5.252E-01 5.274E-01 5.280E-01 5.281E-01
ADSORBED 4.375E-01 4.344E-01 4.314E-01 4.253E-01 4.232E-01 4.223E-01 4.240E-01 4.254E-01 4.267E-01 4.285E-01 4.289E-01 4.290E-01
SOIL AIR 9.371E-01 9.424E-01 9.450E-01 9.434E-01 9.373E-01 9.334E-01 9.194E-01 9.152E-01 9.104E-01 9.003E-01 9.007E-01 9.039E-01

SUBLAYER 6

MOISTURE 1.848E+00 1.836E+00 1.824E+00 1.799E+00 1.791E+00 1.787E+00 1.795E+00 1.800E+00 1.806E+00 1.814E+00 1.816E+00 1.816E+00
%SOLUBILITY 7.699E-01 7.648E-01 7.598E-01 7.495E-01 7.461E-01 7.446E-01 7.477E-01 7.502E-01 7.525E-01 7.557E-01 7.565E-01 7.567E-01
ADSORBED 6.255E-01 6.214E-01 6.173E-01 6.089E-01 6.062E-01 6.049E-01 6.075E-01 6.095E-01 6.114E-01 6.139E-01 6.146E-01 6.147E-01
SOIL AIR 1.340E+00 1.348E+00 1.352E+00 1.351E+00 1.342E+00 1.337E+00 1.317E+00 1.311E+00 1.304E+00 1.290E+00 1.291E+00 1.295E+00

SUBLAYER 7

MOISTURE 2.640E+00 2.625E+00 2.610E+00 2.578E+00 2.569E+00 2.565E+00 2.577E+00 2.586E+00 2.594E+00 2.605E+00 2.608E+00 2.609E+00
%SOLUBILITY 1.100E+00 1.094E+00 1.088E+00 1.074E+00 1.070E+00 1.069E+00 1.074E+00 1.078E+00 1.081E+00 1.085E+00 1.087E+00 1.087E+00
ADSORBED 8.939E-01 B.886E-01 8.836E-01 8.726E-01 8.695E-01 8.684E-01 8.725E-01 8.754E-01 8.781E-01 8.818E-01 8.828E-01 8.831E-01
SOIL AIR 1.915E+00 1.928E+00 1.936E+00 1.936E+00 1.925E+00 1.920E+00 1.892E+00 1.883E+00 1.873E+00 1.853E+00 1.854E+00 1.861E+00

SUBLAYER 8

MOISTURE 3.530E+00 3.513E+00 3.498E+00 3.463E+00 3.457E+00 3.458E+00 3.477E+00 3.489E+00 3.500E+00 3.515E+00 3.519E+00 3.521E+00
%SOLUBILITY 1.471E+00 1.464E+00 1.457E+00 1.443E+00 1.440E+00 1.441E+00 1.449E+00 1.454E+00 1.458E+00 1.465E+00 1.466E+00 1.467E+00
ADSORBED 1.195E+00 1.189E+00 1.184E+00 1.172E+00 1.170E+00 1.171E+00 1.177E+00 1.181E+00 1.185E+00 1.190E+00 1.191E+00 1.192E+00
SOIL AIR 2.560E+00 2.580E+00 2.594E+00 2.601E+00 2.591E+00 2.587E+00 2.552E+00 2.541E+00 2.528E+00 2.500E+00 2.502E+00 2.511E+00

SUBLAYER 9

MOISTURE 4.035E+00 4.021E+00 4.009E+00 3.982E+00 3.986E+00 3.997E+00 4.025E+00 4.040E+00 4.053E+00 4.071E+00 4.075E+00 4.078E+00
%SOLUBILITY 1.681E+00 1.675E+00 1.670E+00 1.659E+00 1.661E+00 1.665E+00 1.677E+00 1.683E+00 1.689E+00 1.696E+00 1.698E+00 1.699E+00
ADSORBED 1.366E+00 1.361E+00 1.357E+00 1.348E+00 1.349E+00 1.353E+00 1.362E+00 1.368E+00 1.372E+00 1.378E+00 1.380E+00 1.381E+00
SOIL AIR 2.926E+00 2.953E+00 2.973E+00 2.991E+00 2.988E+00 2.991E+00 2.954E+00 2.942E+00 2.927E+00 2.895E+00 2.897E+00 2.909E+00

SUBLAYER 10

.OISTURE 3.547E+00 3.538E+00 3.532E+00 3.524E+00 3.541E+00 3.561E+00 3.592E+00 3.608E+00 3.620E+00 3.636E+00 3.640E+00 3.643E+00
%SOLUBILITY 1.478E+00 1.474E+00 1.472E+00 1.468E+00 1.475E+00 1.484E+00 1.497E+00 1.503E+00 1.508E+00 1.515E+00 1.517E+00 1.518E+00
ADSORBED 1.201E+00 1.198E+00 1.196E+00 1.193E+00 1.199E+00 1.206E+00 1.216E+00 1.221E+00 1.225E+00 1.231E+00 1.232E+00 1.233E+00
SOIL AIR 2.572E+00 2.599E+00 2.620E+00 2.646E+00 2.654E+00 2.665E+00 2.637E+00 2.628E+00 2.615E+00 2.586E+00 2.588E+00 2.598E+00

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 7.313E-04 8.696E-03 9.322E-03 7.283E-03 3.848E-03 1.615E-03 5.948E-04 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 90 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

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    SUBLAYER  4

    SUBLAYER  5

    SUBLAYER  6

    SUBLAYER  7

    SUBLAYER  8

    SUBLAYER  9

    SUBLAYER 10

      TOTAL IN GROUNDWATER RUNOFF      8.227E+07
1          -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
           ----------------------------------------------------------------------------------

  UPPER SOIL ZONE:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  4.000E-10
                ADSORBED SOIL (UG/G)   1.354E-10
                SOIL AIR (UG/ML)       2.923E-10

  SOIL ZONE 2:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  3.000E-09
                ADSORBED SOIL (UG/G)   1.016E-09
                SOIL AIR (UG/ML)       2.193E-09

  SOIL ZONE 3:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  5.242E-01
                ADSORBED SOIL (UG/G)   1.775E-01
                SOIL AIR (UG/ML)       3.831E-01

  LOWER SOIL ZONE:

    SUBLAYER  1

                SOIL MOISTURE (UG/ML)  4.196E-01
                ADSORBED SOIL (UG/G)   1.421E-01
                SOIL AIR (UG/ML)       3.067E-01

    SUBLAYER  2

                SOIL MOISTURE (UG/ML)  5.285E-01
                ADSORBED SOIL (UG/G)   1.789E-01
                SOIL AIR (UG/ML)       3.862E-01

    SUBLAYER  3

                SOIL MOISTURE (UG/ML)  6.835E-01
                ADSORBED SOIL (UG/G)   2.314E-01
                SOIL AIR (UG/ML)       4.995E-01
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SUBLAYER 4

SOIL MOISTURE (UG/ML) 9.126E-01
ADSORBED SOIL (UG/G) 3.089E-01
SOIL AIR (UG/ML) 6.669E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 1.264E+00
ADSORBED SOIL (UG/G) 4.280E-01
SOIL AIR (UG/ML) 9.240E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 1.811E+00
ADSORBED SOIL (UG/G) 6.130E-01
SOIL AIR (UG/ML) 1.323E+00

SUBLAYER 7

SOIL MOISTURE (UG/ML) 2.597E+00
ADSORBED SOIL (UG/G) 8.792E-01
SOIL AIR (UG/ML) 1.898E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 3.495E+00
ADSORBED SOIL (UG/G) 1.183E+00
SOIL AIR (UG/ML) 2.554E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.031E+00
ADSORBED SOIL (UG/G) 1.365E+00
SOIL AIR (UG/ML) 2.946E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 3.582E+00
ADSORBED SOIL (UG/G) 1.213E+00
SOIL AIR (UG/ML) 2.617E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 2.674E-03
1

YEAR - 100 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
UR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
RW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095

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YIELD (CM)        -0.061  0.595  0.696  2.128  1.889  1.197  0.472  0.187  0.052 -0.007  0.415  0.199

PAU/MPA (GZU)      1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008
PA/MPA (GZ)        1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008

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


          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 IS ZERO EACH MONTH, IT IS NOT PRINTED
         ---------------------------------------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER  1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

   SOIL ZONE 2:

      SUBLAYER  1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

   SOIL ZONE 3:

      SUBLAYER  1

IN SOIL MOI 1.752E+08 1.915E+08 2.096E+08 2.491E+08 2.493E+08 2.392E+08 2.216E+08 2.070E+08 1.973E+08 1.903E+08 1.847E+08 1.782E+08
ADS ON SOIL 1.193E+09 1.184E+09 1.175E+09 1.158E+09 1.153E+09 1.151E+09 1.156E+09 1.160E+09 1.163E+09 1.168E+09 1.170E+09 1.170E+09
IN SOIL AIR 3.533E+08 3.420E+08 3.281E+08 2.957E+08 2.930E+08 2.990E+08 3.083E+08 3.182E+08 3.240E+08 3.259E+08 3.302E+08 3.360E+08

   LOWER SOIL ZONE:

      SUBLAYER  1

IN SOIL MOI 2.266E+07 2.478E+07 2.713E+07 3.224E+07 3.226E+07 3.095E+07 2.867E+07 2.677E+07 2.552E+07 2.462E+07 2.389E+07 2.305E+07
ADS ON SOIL 1.543E+08 1.532E+08 1.520E+08 1.499E+08 1.492E+08 1.489E+08 1.495E+08 1.500E+08 1.505E+08 1.511E+08 1.513E+08 1.513E+08
IN SOIL AIR 4.570E+07 4.425E+07 4.247E+07 3.827E+07 3.791E+07 3.869E+07 3.988E+07 4.115E+07 4.190E+07 4.216E+07 4.271E+07 4.346E+07

      SUBLAYER  2

IN SOIL MOI 2.854E+07 3.122E+07 3.418E+07 4.061E+07 4.063E+07 3.898E+07 3.611E+07 3.371E+07 3.214E+07 3.100E+07 3.008E+07 2.903E+07
ADS ON SOIL 1.944E+08 1.929E+08 1.915E+08 1.888E+08 1.879E+08 1.875E+08 1.883E+08 1.889E+08 1.895E+08 1.903E+08 1.905E+08 1.905E+08
IN SOIL AIR 5.756E+07 5.574E+07 5.350E+07 4.821E+07 4.775E+07 4.872E+07 5.022E+07 5.183E+07 5.277E+07 5.309E+07 5.379E+07 5.473E+07

      SUBLAYER  3

IN SOIL MOI 3.691E+07 4.038E+07 4.421E+07 5.253E+07 5.255E+07 5.041E+07 4.670E+07 4.360E+07 4.156E+07 4.010E+07 3.891E+07 3.754E+07
ADS ON SOIL 2.514E+08 2.496E+08 2.477E+08 2.442E+08 2.431E+08 2.425E+08 2.435E+08 2.443E+08 2.451E+08 2.461E+08 2.464E+08 2.464E+08
IN SOIL AIR 7.445E+07 7.209E+07 6.920E+07 6.236E+07 6.176E+07 6.302E+07 6.495E+07 6.703E+07 6.825E+07 6.866E+07 6.956E+07 7.078E+07

      SUBLAYER  4

IN SOIL MOI 4.934E+07 5.398E+07 5.911E+07 7.023E+07 7.025E+07 6.739E+07 6.242E+07 5.828E+07 5.555E+07 5.359E+07 5.200E+07 5.018E+07
ADS ON SOIL 3.361E+08 3.336E+08 3.312E+08 3.265E+08 3.249E+08 3.242E+08 3.255E+08 3.266E+08 3.276E+08 3.290E+08 3.293E+08 3.294E+08
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IN SOIL AIR 9.951E+07 9.637E+07 9.252E+07 8.337E+07 8.256E+07 8.424E+07 8.682E+07 8.959E+07 9.122E+07 9.177E+07 9.298E+07 9.461E+07

SUBLAYER 5

IN SOIL MOI 6.860E+07 7.507E+07 8.222E+07 9.769E+07 9.772E+07 9.373E+07 8.682E+07 8.105E+07 7.726E+07 7.453E+07 7.232E+07 6.979E+07
ADS ON SOIL 4.673E+08 4.640E+08 4.607E+08 4.542E+08 4.520E+08 4.509E+08 4.527E+08 4.542E+08 4.556E+08 4.575E+08 4.580E+08 4.581E+08
IN SOIL AIR 1.384E+08 1.340E+08 1.287E+08 1.160E+08 1.148E+08 1.172E+08 1.208E+08 1.246E+08 1.269E+08 1.276E+08 1.293E+08 1.316E+08

SUBLAYER 6

IN SOIL MOI 9.975E+07 1.092E+08 1.196E+08 1.422E+08 1.422E+08 1.364E+08 1.264E+08 1.180E+08 1.124E+08 1.085E+08 1.053E+08 1.016E+08
ADS ON SOIL 6.794E+08 6.748E+08 6.703E+08 6.609E+08 6.578E+08 6.563E+08 6.590E+08 6.611E+08 6.631E+08 6.659E+08 6.666E+08 6.668E+08
IN SOIL AIR 2.012E+08 1.949E+08 1.872E+08 1.688E+08 1.671E+08 1.705E+08 1.758E+08 1.814E+08 1.847E+08 1.858E+08 1.882E+08 1.915E+08

SUBLAYER 7

IN SOIL MOI 1.492E+08 1.634E+08 1.791E+08 2.131E+08 2.132E+08 2.047E+08 1.896E+08 1.770E+08 1.687E+08 1.628E+08 1.580E+08 1.525E+08
ADS ON SOIL 1.016E+09 1.010E+09 1.004E+09 9.906E+08 9.863E+08 9.845E+08 9.889E+08 9.921E+08 9.951E+08 9.993E+08 1.000E+09 1.001E+09
IN SOIL AIR 3.009E+08 2.917E+08 2.804E+08 2.530E+08 2.506E+08 2.558E+08 2.638E+08 2.722E+08 2.771E+08 2.788E+08 2.825E+08 2.875E+08

SUBLAYER 8

IN SOIL MOI 2.175E+08 2.385E+08 2.617E+08 3.119E+08 3.125E+08 3.003E+08 2.785E+08 2.600E+08 2.478E+08 2.391E+08 2.320E+08 2.240E+08
ADS ON SOIL 1.482E+09 1.474E+09 1.467E+09 1.450E+09 1.446E+09 1.445E+09 1.452E+09 1.457E+09 1.461E+09 1.468E+09 1.469E+09 1.470E+09
IN SOIL AIR 4.387E+08 4.258E+08 4.097E+08 3.702E+08 3.673E+08 3.754E+08 3.873E+08 3.997E+08 4.069E+08 4.094E+08 4.148E+08 4.222E+08

SUBLAYER 9

IN SOIL MOI 2.823E+08 3.099E+08 3.406E+08 4.070E+08 4.088E+08 3.936E+08 3.654E+08 3.412E+08 3.252E+08 3.138E+08 3.045E+08 2.940E+08
ADS ON SOIL 1.923E+09 1.915E+09 1.909E+09 1.892E+09 1.891E+09 1.894E+09 1.905E+09 1.912E+09 1.918E+09 1.926E+09 1.929E+09 1.930E+09
IN SOIL AIR 5.694E+08 5.533E+08 5.331E+08 4.832E+08 4.805E+08 4.920E+08 5.081E+08 5.245E+08 5.341E+08 5.374E+08 5.445E+08 5.543E+08

SUBLAYER 10

IN SOIL MOI 2.902E+08 3.188E+08 3.509E+08 4.209E+08 4.242E+08 4.096E+08 3.807E+08 3.557E+08 3.391E+08 3.272E+08 3.176E+08 3.066E+08
DS ON SOIL 1.976E+09 1.971E+09 1.966E+09 1.957E+09 1.962E+09 1.970E+09 1.985E+09 1.993E+09 2.000E+09 2.009E+09 2.011E+09 2.013E+09
SOIL AIR 5.852E+08 5.693E+08 5.492E+08 4.997E+08 4.985E+08 5.119E+08 5.295E+08 5.468E+08 5.569E+08 5.603E+08 5.678E+08 5.781E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.307E+06 2.741E+07 2.935E+07 2.288E+07 1.207E+07 5.064E+06 1.864E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

OISTURE 4.267E-01 4.233E-01 4.200E-01 4.141E-01 4.124E-01 4.116E-01 4.133E-01 4.147E-01 4.161E-01 4.178E-01 4.182E-01 4.183E-01
SOLUBILITY 1.778E-01 1.764E-01 1.750E-01 1.725E-01 1.718E-01 1.715E-01 1.722E-01 1.728E-01 1.734E-01 1.741E-01 1.743E-01 1.743E-01

ADSORBED 1.445E-01 1.433E-01 1.422E-01 1.402E-01 1.396E-01 1.393E-01 1.399E-01 1.404E-01 1.408E-01 1.414E-01 1.416E-01 1.416E-01
SOIL AIR 3.095E-01 3.109E-01 3.115E-01 3.110E-01 3.091E-01 3.080E-01 3.034E-01 3.021E-01 3.005E-01 2.972E-01 2.973E-01 2.983E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.415E-01 3.389E-01 3.364E-01 3.316E-01 3.301E-01 3.294E-01 3.308E-01 3.319E-01 3.330E-01 3.344E-01 3.347E-01 3.347E-01
%SOLUBILITY 1.423E-01 1.412E-01 1.402E-01 1.382E-01 1.376E-01 1.373E-01 1.378E-01 1.383E-01 1.387E-01 1.393E-01 1.395E-01 1.395E-01
ADSORBED 1.156E-01 1.147E-01 1.139E-01 1.123E-01 1.118E-01 1.115E-01 1.120E-01 1.124E-01 1.127E-01 1.132E-01 1.133E-01 1.133E-01
SOIL AIR 2.477E-01 2.489E-01 2.495E-01 2.491E-01 2.475E-01 2.465E-01 2.428E-01 2.418E-01 2.405E-01 2.378E-01 2.379E-01 2.387E-01

SUBLAYER 2

MOISTURE 4.302E-01 4.269E-01 4.238E-01 4.177E-01 4.158E-01 4.149E-01 4.166E-01 4.180E-01 4.193E-01 4.211E-01 4.215E-01 4.216E-01
%SOLUBILITY 1.792E-01 1.779E-01 1.766E-01 1.741E-01 1.733E-01 1.729E-01 1.736E-01 1.742E-01 1.747E-01 1.755E-01 1.756E-01 1.757E-01
ADSORBED 1.456E-01 1.445E-01 1.435E-01 1.414E-01 1.408E-01 1.405E-01 1.410E-01 1.415E-01 1.420E-01 1.426E-01 1.427E-01 1.427E-01
SOIL AIR 3.119E-01 3.136E-01 3.143E-01 3.137E-01 3.117E-01 3.105E-01 3.058E-01 3.045E-01 3.029E-01 2.995E-01 2.996E-01 3.007E-01

SUBLAYER 3

MOISTURE 5.563E-01 5.522E-01 5.482E-01 5.404E-01 5.379E-01 5.366E-01 5.388E-01 5.406E-01 5.423E-01 5.446E-01 5.452E-01 5.452E-01
%SOLUBILITY 2.318E-01 2.301E-01 2.284E-01 2.252E-01 2.241E-01 2.236E-01 2.245E-01 2.253E-01 2.260E-01 2.269E-01 2.272E-01 2.272E-01
ADSORBED 1.883E-01 1.869E-01 1.856E-01 1.829E-01 1.821E-01 1.817E-01 1.824E-01 1.830E-01 1.836E-01 1.844E-01 1.845E-01 1.846E-01
SOIL AIR 4.034E-01 4.056E-01 4.065E-01 4.058E-01 4.032E-01 4.016E-01 3.955E-01 3.937E-01 3.917E-01 3.874E-01 3.875E-01 3.889E-01

SUBLAYER 4

MOISTURE 7.436E-01 7.382E-01 7.329E-01 7.224E-01 7.190E-01 7.173E-01 7.202E-01 7.226E-01 7.249E-01 7.279E-01 7.287E-01 7.288E-01
%SOLUBILITY 3.098E-01 3.076E-01 3.054E-01 3.010E-01 2.996E-01 2.989E-01 3.001E-01 3.011E-01 3.020E-01 3.033E-01 3.036E-01 3.037E-01
ADSORBED 2.517E-01 2.499E-01 2.481E-01 2.446E-01 2.434E-01 2.428E-01 2.438E-01 2.446E-01 2.454E-01 2.464E-01 2.467E-01 2.467E-01
SOIL AIR 5.392E-01 5.422E-01 5.435E-01 5.425E-01 5.390E-01 5.368E-01 5.287E-01 5.263E-01 5.235E-01 5.177E-01 5.180E-01 5.198E-01

SUBLAYER 5

MOISTURE 1.034E+00 1.027E+00 1.019E+00 1.005E+00 1.000E+00 9.977E-01 1.002E+00 1.005E+00 1.008E+00 1.012E+00 1.013E+00 1.014E+00
%SOLUBILITY 4.308E-01 4.277E-01 4.248E-01 4.187E-01 4.167E-01 4.157E-01 4.174E-01 4.188E-01 4.200E-01 4.218E-01 4.222E-01 4.223E-01
ADSORBED 3.500E-01 3.475E-01 3.451E-01 3.402E-01 3.385E-01 3.377E-01 3.391E-01 3.402E-01 3.413E-01 3.427E-01 3.431E-01 3.431E-01
SOIL AIR 7.498E-01 7.540E-01 7.560E-01 7.547E-01 7.497E-01 7.466E-01 7.354E-01 7.320E-01 7.281E-01 7.200E-01 7.203E-01 7.229E-01

SUBLAYER 6

MOISTURE 1.503E+00 1.493E+00 1.483E+00 1.462E+00 1.455E+00 1.452E+00 1.458E+00 1.463E+00 1.467E+00 1.474E+00 1.475E+00 1.475E+00
%SOLUBILITY 6.264E-01 6.222E-01 6.180E-01 6.094E-01 6.064E-01 6.051E-01 6.076E-01 6.095E-01 6.114E-01 6.140E-01 6.146E-01 6.147E-01
ADSORBED 5.089E-01 5.055E-01 5.021E-01 4.951E-01 4.927E-01 4.916E-01 4.936E-01 4.952E-01 4.967E-01 4.988E-01 4.993E-01 4.995E-01
SOIL AIR 1.090E+00 1.097E+00 1.100E+00 1.098E+00 1.091E+00 1.087E+00 1.070E+00 1.065E+00 1.060E+00 1.048E+00 1.049E+00 1.052E+00

SUBLAYER 7

MOISTURE 2.248E+00 2.235E+00 2.221E+00 2.192E+00 2.182E+00 2.178E+00 2.188E+00 2.195E+00 2.202E+00 2.211E+00 2.214E+00 2.214E+00
%SOLUBILITY 9.369E-01 9.311E-01 9.254E-01 9.133E-01 9.093E-01 9.077E-01 9.117E-01 9.147E-01 9.175E-01 9.213E-01 9.223E-01 9.226E-01
ADSORBED 7.612E-01 7.565E-01 7.519E-01 7.420E-01 7.388E-01 7.375E-01 7.407E-01 7.431E-01 7.454E-01 7.485E-01 7.494E-01 7.496E-01
SOIL AIR 1.631E+00 1.641E+00 1.647E+00 1.646E+00 1.636E+00 1.630E+00 1.606E+00 1.599E+00 1.590E+00 1.573E+00 1.573E+00 1.579E+00

SUBLAYER 8

MOISTURE 3.279E+00 3.261E+00 3.245E+00 3.208E+00 3.199E+00 3.197E+00 3.213E+00 3.224E+00 3.233E+00 3.247E+00 3.251E+00 3.252E+00
%SOLUBILITY 1.366E+00 1.359E+00 1.352E+00 1.337E+00 1.333E+00 1.332E+00 1.339E+00 1.343E+00 1.347E+00 1.353E+00 1.355E+00 1.355E+00
ADSORBED 1.110E+00 1.104E+00 1.099E+00 1.086E+00 1.083E+00 1.082E+00 1.088E+00 1.091E+00 1.095E+00 1.099E+00 1.101E+00 1.101E+00
SOIL AIR 2.377E+00 2.395E+00 2.407E+00 2.409E+00 2.398E+00 2.392E+00 2.358E+00 2.348E+00 2.335E+00 2.310E+00 2.311E+00 2.320E+00

SUBLAYER 9

MOISTURE 4.255E+00 4.238E+00 4.223E+00 4.187E+00 4.184E+00 4.190E+00 4.215E+00 4.231E+00 4.244E+00 4.262E+00 4.267E+00 4.270E+00
%SOLUBILITY 1.773E+00 1.766E+00 1.760E+00 1.745E+00 1.743E+00 1.746E+00 1.756E+00 1.763E+00 1.768E+00 1.776E+00 1.778E+00 1.779E+00
ADSORBED 1.440E+00 1.435E+00 1.430E+00 1.417E+00 1.416E+00 1.418E+00 1.427E+00 1.432E+00 1.437E+00 1.443E+00 1.445E+00 1.445E+00
SOIL AIR 3.086E+00 3.113E+00 3.132E+00 3.144E+00 3.137E+00 3.135E+00 3.094E+00 3.081E+00 3.065E+00 3.032E+00 3.033E+00 3.045E+00

SUBLAYER 10

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MOISTURE    4.373E+00 4.360E+00 4.351E+00 4.330E+00 4.342E+00 4.359E+00 4.393E+00 4.411E+00 4.425E+00 4.444E+00 4.450E+00 4.453E+00
%SOLUBILITY 1.822E+00 1.817E+00 1.813E+00 1.804E+00 1.809E+00 1.816E+00 1.830E+00 1.838E+00 1.844E+00 1.852E+00 1.854E+00 1.856E+00
DSORBED     1.480E+00 1.476E+00 1.473E+00 1.466E+00 1.470E+00 1.476E+00 1.487E+00 1.493E+00 1.498E+00 1.504E+00 1.506E+00 1.508E+00
SOIL AIR    3.171E+00 3.202E+00 3.226E+00 3.252E+00 3.255E+00 3.262E+00 3.225E+00 3.212E+00 3.196E+00 3.161E+00 3.163E+00 3.176E+00


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03


   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 9.007E-04 1.069E-02 1.143E-02 8.915E-03 4.705E-03 1.975E-03 7.270E-04 0.000E+00 0.000E+00 0.000E+00
1                    YEAR - 100 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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)      8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)              24.575
TOTAL SURFACE RUNOFF (CM)                6.491
TOTAL GRW RUNOFF (CM)                  1.265
TOTAL MOISTURE RETENTION (CM)              0.001
OTAL YIELD (CM)                     7.763
      -- 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


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1


   LOWER SOIL ZONE:

      SUBLAYER  1


      SUBLAYER  2


      SUBLAYER  3


      SUBLAYER  4
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    SUBLAYER 5

    SUBLAYER 6

    SUBLAYER 7

    SUBLAYER 8

    SUBLAYER 9

    SUBLAYER 10

      TOTAL IN GROUNDWATER RUNOFF      1.009E+08
1          -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
           ------------------------------------------------------------------------------

  UPPER SOIL ZONE:

    SUBLAYER 1

                SOIL MOISTURE (UG/ML)  4.000E-10
                ADSORBED SOIL (UG/G)   1.354E-10
                SOIL AIR (UG/ML)       2.923E-10

  SOIL ZONE 2:

    SUBLAYER 1

                SOIL MOISTURE (UG/ML)  3.000E-09
                ADSORBED SOIL (UG/G)   1.016E-09
                SOIL AIR (UG/ML)       2.193E-09

  SOIL ZONE 3:

    SUBLAYER 1

                SOIL MOISTURE (UG/ML)  4.172E-01
                ADSORBED SOIL (UG/G)   1.412E-01
                SOIL AIR (UG/ML)       3.049E-01

  LOWER SOIL ZONE:

    SUBLAYER 1

                SOIL MOISTURE (UG/ML)  3.340E-01
                ADSORBED SOIL (UG/G)   1.131E-01
                SOIL AIR (UG/ML)       2.441E-01

    SUBLAYER 2

                SOIL MOISTURE (UG/ML)  4.206E-01
                ADSORBED SOIL (UG/G)   1.424E-01
                SOIL AIR (UG/ML)       3.074E-01

    SUBLAYER 3

                SOIL MOISTURE (UG/ML)  5.440E-01
                ADSORBED SOIL (UG/G)   1.842E-01
                SOIL AIR (UG/ML)       3.976E-01

    SUBLAYER 4
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SOIL MOISTURE (UG/ML) 7.272E-01
ADSORBED SOIL (UG/G) 2.462E-01
SOIL AIR (UG/ML) 5.314E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 1.011E+00
ADSORBED SOIL (UG/G) 3.424E-01
SOIL AIR (UG/ML) 7.391E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 1.472E+00
ADSORBED SOIL (UG/G) 4.982E-01
SOIL AIR (UG/ML) 1.076E+00

SUBLAYER 7

SOIL MOISTURE (UG/ML) 2.207E+00
ADSORBED SOIL (UG/G) 7.470E-01
SOIL AIR (UG/ML) 1.613E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 3.234E+00
ADSORBED SOIL (UG/G) 1.095E+00
SOIL AIR (UG/ML) 2.363E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.231E+00
ADSORBED SOIL (UG/G) 1.432E+00
SOIL AIR (UG/ML) 3.091E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 4.391E+00
ADSORBED SOIL (UG/G) 1.486E+00
SOIL AIR (UG/ML) 3.209E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 3.278E-03
1

YEAR - 110 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
RW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
ELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199

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PAU/MPA (GZU)      1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008
PA/MPA (GZ)        1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008

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

          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 IS ZERO EACH MONTH, IT IS NOT PRINTED
           ---------------------------------------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER 1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

   SOIL ZONE 2:

      SUBLAYER 1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

   SOIL ZONE 3:

      SUBLAYER 1

IN SOIL MOI 1.394E+08 1.524E+08 1.668E+08 1.982E+08 1.984E+08 1.904E+08 1.764E+08 1.647E+08 1.570E+08 1.515E+08 1.470E+08 1.418E+08
ADS ON SOIL 9.497E+08 9.421E+08 9.347E+08 9.215E+08 9.177E+08 9.159E+08 9.198E+08 9.230E+08 9.259E+08 9.298E+08 9.308E+08 9.308E+08
IN SOIL AIR 2.812E+08 2.721E+08 2.611E+08 2.353E+08 2.332E+08 2.380E+08 2.453E+08 2.532E+08 2.578E+08 2.594E+08 2.628E+08 2.674E+08

   LOWER SOIL ZONE:

      SUBLAYER 1

IN SOIL MOI 1.803E+07 1.972E+07 2.159E+07 2.565E+07 2.567E+07 2.463E+07 2.282E+07 2.130E+07 2.031E+07 1.959E+07 1.901E+07 1.834E+07
ADS ON SOIL 1.228E+08 1.219E+08 1.210E+08 1.193E+08 1.187E+08 1.185E+08 1.190E+08 1.194E+08 1.198E+08 1.203E+08 1.204E+08 1.204E+08
IN SOIL AIR 3.637E+07 3.521E+07 3.380E+07 3.046E+07 3.017E+07 3.079E+07 3.173E+07 3.275E+07 3.335E+07 3.355E+07 3.399E+07 3.458E+07

      SUBLAYER 2

IN SOIL MOI 2.271E+07 2.484E+07 2.720E+07 3.232E+07 3.233E+07 3.102E+07 2.874E+07 2.683E+07 2.557E+07 2.467E+07 2.394E+07 2.310E+07
ADS ON SOIL 1.547E+08 1.535E+08 1.524E+08 1.502E+08 1.496E+08 1.492E+08 1.498E+08 1.503E+08 1.508E+08 1.515E+08 1.516E+08 1.516E+08
IN SOIL AIR 4.581E+07 4.436E+07 4.258E+07 3.837E+07 3.800E+07 3.877E+07 3.997E+07 4.124E+07 4.200E+07 4.225E+07 4.280E+07 4.355E+07

      SUBLAYER 3

IN SOIL MOI 2.938E+07 3.214E+07 3.519E+07 4.180E+07 4.182E+07 4.012E+07 3.717E+07 3.470E+07 3.308E+07 3.191E+07 3.096E+07 2.988E+07
ADS ON SOIL 2.001E+08 1.986E+08 1.972E+08 1.944E+08 1.935E+08 1.930E+08 1.938E+08 1.944E+08 1.951E+08 1.959E+08 1.961E+08 1.961E+08
IN SOIL AIR 5.925E+07 5.738E+07 5.508E+07 4.963E+07 4.915E+07 5.015E+07 5.169E+07 5.334E+07 5.431E+07 5.464E+07 5.536E+07 5.633E+07

      SUBLAYER 4

IN SOIL MOI 3.928E+07 4.298E+07 4.706E+07 5.591E+07 5.593E+07 5.365E+07 4.970E+07 4.640E+07 4.422E+07 4.267E+07 4.140E+07 3.995E+07
ADS ON SOIL 2.676E+08 2.656E+08 2.637E+08 2.599E+08 2.587E+08 2.581E+08 2.591E+08 2.600E+08 2.608E+08 2.619E+08 2.622E+08 2.622E+08
IN SOIL AIR 7.922E+07 7.673E+07 7.366E+07 6.638E+07 6.573E+07 6.706E+07 6.912E+07 7.133E+07 7.262E+07 7.306E+07 7.402E+07 7.532E+07
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SUBLAYER 5

IN SOIL MOI 5.477E+07 5.993E+07 6.563E+07 7.798E+07 7.800E+07 7.481E+07 6.930E+07 6.470E+07 6.166E+07 5.949E+07 5.773E+07 5.571E+07
ADS ON SOIL 3.730E+08 3.704E+08 3.678E+08 3.625E+08 3.608E+08 3.599E+08 3.614E+08 3.625E+08 3.636E+08 3.652E+08 3.656E+08 3.656E+08
IN SOIL AIR 1.105E+08 1.070E+08 1.027E+08 9.258E+07 9.166E+07 9.351E+07 9.638E+07 9.945E+07 1.013E+08 1.019E+08 1.032E+08 1.050E+08

SUBLAYER 6

IN SOIL MOI 8.029E+07 8.788E+07 9.627E+07 1.144E+08 1.144E+08 1.097E+08 1.017E+08 9.489E+07 9.045E+07 8.726E+07 8.467E+07 8.171E+07
ADS ON SOIL 5.469E+08 5.431E+08 5.394E+08 5.318E+08 5.292E+08 5.279E+08 5.300E+08 5.318E+08 5.334E+08 5.356E+08 5.362E+08 5.363E+08
IN SOIL AIR 1.619E+08 1.569E+08 1.507E+08 1.358E+08 1.344E+08 1.372E+08 1.414E+08 1.459E+08 1.485E+08 1.494E+08 1.514E+08 1.541E+08

SUBLAYER 7

IN SOIL MOI 1.236E+08 1.354E+08 1.484E+08 1.764E+08 1.765E+08 1.693E+08 1.569E+08 1.464E+08 1.396E+08 1.347E+08 1.307E+08 1.261E+08
ADS ON SOIL 8.422E+08 8.368E+08 8.316E+08 8.202E+08 8.164E+08 8.146E+08 8.180E+08 8.206E+08 8.231E+08 8.266E+08 8.275E+08 8.277E+08
IN SOIL AIR 2.494E+08 2.417E+08 2.323E+08 2.095E+08 2.074E+08 2.117E+08 2.182E+08 2.251E+08 2.292E+08 2.306E+08 2.336E+08 2.378E+08

SUBLAYER 8

IN SOIL MOI 1.927E+08 2.112E+08 2.317E+08 2.758E+08 2.762E+08 2.652E+08 2.458E+08 2.294E+08 2.187E+08 2.110E+08 2.048E+08 1.976E+08
ADS ON SOIL 1.313E+09 1.305E+09 1.298E+09 1.282E+09 1.277E+09 1.276E+09 1.282E+09 1.286E+09 1.290E+09 1.295E+09 1.297E+09 1.297E+09
IN SOIL AIR 3.886E+08 3.771E+08 3.626E+08 3.274E+08 3.245E+08 3.315E+08 3.418E+08 3.527E+08 3.591E+08 3.613E+08 3.661E+08 3.726E+08

SUBLAYER 9

IN SOIL MOI 2.789E+08 3.061E+08 3.362E+08 4.012E+08 4.025E+08 3.871E+08 3.591E+08 3.353E+08 3.196E+08 3.083E+08 2.992E+08 2.889E+08
ADS ON SOIL 1.900E+09 1.892E+09 1.884E+09 1.865E+09 1.861E+09 1.862E+09 1.872E+09 1.879E+09 1.885E+09 1.893E+09 1.895E+09 1.896E+09
IN SOIL AIR 5.625E+08 5.464E+08 5.262E+08 4.763E+08 4.729E+08 4.838E+08 4.994E+08 5.154E+08 5.248E+08 5.280E+08 5.350E+08 5.446E+08

SUBLAYER 10

IN SOIL MOI 3.309E+08 3.635E+08 3.998E+08 4.788E+08 4.817E+08 4.644E+08 4.314E+08 4.030E+08 3.841E+08 3.706E+08 3.597E+08 3.473E+08
ADS ON SOIL 2.254E+09 2.247E+09 2.240E+09 2.226E+09 2.228E+09 2.234E+09 2.250E+09 2.258E+09 2.265E+09 2.275E+09 2.278E+09 2.280E+09
SOIL AIR 6.673E+08 6.490E+08 6.258E+08 5.684E+08 5.661E+08 5.805E+08 6.000E+08 6.195E+08 6.308E+08 6.347E+08 6.431E+08 6.548E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.629E+06 3.121E+07 3.335E+07 2.596E+07 1.368E+07 5.738E+06 2.112E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 3.396E-01 3.369E-01 3.343E-01 3.295E-01 3.282E-01 3.275E-01 3.289E-01 3.301E-01 3.311E-01 3.325E-01 3.328E-01 3.329E-01
SOLUBILITY 1.415E-01 1.404E-01 1.393E-01 1.373E-01 1.367E-01 1.365E-01 1.370E-01 1.375E-01 1.380E-01 1.385E-01 1.387E-01 1.387E-01
ADSORBED 1.150E-01 1.140E-01 1.132E-01 1.116E-01 1.111E-01 1.109E-01 1.113E-01 1.117E-01 1.121E-01 1.126E-01 1.127E-01 1.127E-01

SOIL AIR 2.463E-01 2.474E-01 2.479E-01 2.475E-01 2.460E-01 2.451E-01 2.414E-01 2.404E-01 2.391E-01 2.365E-01 2.366E-01 2.374E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.718E-01 2.697E-01 2.677E-01 2.639E-01 2.627E-01 2.622E-01 2.633E-01 2.642E-01 2.650E-01 2.661E-01 2.664E-01 2.664E-01
%SOLUBILITY 1.132E-01 1.124E-01 1.115E-01 1.100E-01 1.095E-01 1.092E-01 1.097E-01 1.101E-01 1.104E-01 1.109E-01 1.110E-01 1.110E-01
ADSORBED 9.200E-02 9.130E-02 9.062E-02 8.934E-02 8.894E-02 8.875E-02 8.912E-02 8.942E-02 8.970E-02 9.008E-02 9.017E-02 9.018E-02
SOIL AIR 1.971E-01 1.981E-01 1.985E-01 1.982E-01 1.970E-01 1.962E-01 1.933E-01 1.924E-01 1.914E-01 1.893E-01 1.893E-01 1.900E-01

SUBLAYER 2

MOISTURE 3.423E-01 3.398E-01 3.373E-01 3.324E-01 3.309E-01 3.302E-01 3.316E-01 3.327E-01 3.337E-01 3.351E-01 3.355E-01 3.355E-01
%SOLUBILITY 1.426E-01 1.416E-01 1.405E-01 1.385E-01 1.379E-01 1.376E-01 1.381E-01 1.386E-01 1.390E-01 1.396E-01 1.398E-01 1.398E-01
ADSORBED 1.159E-01 1.150E-01 1.142E-01 1.125E-01 1.120E-01 1.118E-01 1.122E-01 1.126E-01 1.130E-01 1.134E-01 1.136E-01 1.136E-01
SOIL AIR 2.482E-01 2.495E-01 2.501E-01 2.497E-01 2.481E-01 2.471E-01 2.434E-01 2.423E-01 2.410E-01 2.384E-01 2.385E-01 2.393E-01

SUBLAYER 3

MOISTURE 4.428E-01 4.395E-01 4.363E-01 4.301E-01 4.280E-01 4.271E-01 4.288E-01 4.303E-01 4.316E-01 4.334E-01 4.339E-01 4.339E-01
%SOLUBILITY 1.845E-01 1.831E-01 1.818E-01 1.792E-01 1.784E-01 1.779E-01 1.787E-01 1.793E-01 1.798E-01 1.806E-01 1.808E-01 1.808E-01
ADSORBED 1.499E-01 1.488E-01 1.477E-01 1.456E-01 1.449E-01 1.446E-01 1.452E-01 1.456E-01 1.461E-01 1.467E-01 1.469E-01 1.469E-01
SOIL AIR 3.211E-01 3.228E-01 3.235E-01 3.230E-01 3.209E-01 3.196E-01 3.148E-01 3.134E-01 3.117E-01 3.083E-01 3.084E-01 3.095E-01

SUBLAYER 4

MOISTURE 5.920E-01 5.877E-01 5.835E-01 5.752E-01 5.724E-01 5.711E-01 5.734E-01 5.753E-01 5.771E-01 5.795E-01 5.801E-01 5.802E-01
%SOLUBILITY 2.467E-01 2.449E-01 2.431E-01 2.396E-01 2.385E-01 2.379E-01 2.389E-01 2.397E-01 2.404E-01 2.415E-01 2.417E-01 2.418E-01
ADSORBED 2.004E-01 1.990E-01 1.975E-01 1.947E-01 1.938E-01 1.933E-01 1.941E-01 1.947E-01 1.954E-01 1.962E-01 1.964E-01 1.964E-01
SOIL AIR 4.293E-01 4.316E-01 4.327E-01 4.319E-01 4.291E-01 4.273E-01 4.209E-01 4.190E-01 4.168E-01 4.122E-01 4.124E-01 4.138E-01

SUBLAYER 5

MOISTURE 8.254E-01 8.195E-01 8.138E-01 8.022E-01 7.983E-01 7.963E-01 7.996E-01 8.022E-01 8.046E-01 8.080E-01 8.089E-01 8.090E-01
%SOLUBILITY 3.439E-01 3.415E-01 3.391E-01 3.342E-01 3.326E-01 3.318E-01 3.332E-01 3.342E-01 3.353E-01 3.367E-01 3.370E-01 3.371E-01
ADSORBED 2.794E-01 2.774E-01 2.755E-01 2.715E-01 2.702E-01 2.696E-01 2.707E-01 2.716E-01 2.724E-01 2.735E-01 2.738E-01 2.739E-01
SOIL AIR 5.986E-01 6.019E-01 6.035E-01 6.024E-01 5.984E-01 5.959E-01 5.869E-01 5.842E-01 5.811E-01 5.747E-01 5.750E-01 5.770E-01

SUBLAYER 6

MOISTURE 1.210E+00 1.202E+00 1.194E+00 1.177E+00 1.171E+00 1.168E+00 1.173E+00 1.177E+00 1.180E+00 1.185E+00 1.186E+00 1.187E+00
%SOLUBILITY 5.042E-01 5.007E-01 4.973E-01 4.903E-01 4.879E-01 4.867E-01 4.887E-01 4.903E-01 4.917E-01 4.938E-01 4.943E-01 4.945E-01
ADSORBED 4.096E-01 4.068E-01 4.041E-01 3.983E-01 3.964E-01 3.954E-01 3.970E-01 3.983E-01 3.995E-01 4.012E-01 4.016E-01 4.017E-01
SOIL AIR 8.775E-01 8.826E-01 8.852E-01 8.837E-01 8.778E-01 8.741E-01 8.609E-01 8.569E-01 8.524E-01 8.430E-01 8.433E-01 8.464E-01

SUBLAYER 7

MOISTURE 1.864E+00 1.852E+00 1.840E+00 1.815E+00 1.806E+00 1.802E+00 1.810E+00 1.816E+00 1.821E+00 1.829E+00 1.831E+00 1.832E+00
%SOLUBILITY 7.765E-01 7.715E-01 7.667E-01 7.562E-01 7.527E-01 7.510E-01 7.542E-01 7.566E-01 7.589E-01 7.621E-01 7.629E-01 7.631E-01
ADSORBED 6.309E-01 6.268E-01 6.229E-01 6.144E-01 6.115E-01 6.102E-01 6.127E-01 6.147E-01 6.166E-01 6.192E-01 6.198E-01 6.200E-01
SOIL AIR 1.351E+00 1.360E+00 1.365E+00 1.363E+00 1.354E+00 1.349E+00 1.329E+00 1.323E+00 1.315E+00 1.301E+00 1.302E+00 1.306E+00

SUBLAYER 8

MOISTURE 2.904E+00 2.888E+00 2.873E+00 2.837E+00 2.826E+00 2.823E+00 2.836E+00 2.845E+00 2.854E+00 2.866E+00 2.869E+00 2.870E+00
%SOLUBILITY 1.210E+00 1.203E+00 1.197E+00 1.182E+00 1.178E+00 1.176E+00 1.182E+00 1.185E+00 1.189E+00 1.194E+00 1.195E+00 1.196E+00
ADSORBED 9.832E-01 9.777E-01 9.724E-01 9.604E-01 9.568E-01 9.555E-01 9.599E-01 9.631E-01 9.660E-01 9.701E-01 9.712E-01 9.716E-01
SOIL AIR 2.106E+00 2.121E+00 2.130E+00 2.131E+00 2.119E+00 2.112E+00 2.082E+00 2.072E+00 2.061E+00 2.038E+00 2.039E+00 2.047E+00

SUBLAYER 9

MOISTURE 4.204E+00 4.185E+00 4.168E+00 4.127E+00 4.119E+00 4.120E+00 4.143E+00 4.157E+00 4.170E+00 4.188E+00 4.193E+00 4.195E+00
%SOLUBILITY 1.752E+00 1.744E+00 1.737E+00 1.720E+00 1.716E+00 1.717E+00 1.726E+00 1.732E+00 1.738E+00 1.745E+00 1.747E+00 1.748E+00
ADSORBED 1.423E+00 1.417E+00 1.411E+00 1.397E+00 1.394E+00 1.395E+00 1.402E+00 1.407E+00 1.412E+00 1.418E+00 1.419E+00 1.420E+00
SOIL AIR 3.049E+00 3.074E+00 3.091E+00 3.099E+00 3.088E+00 3.083E+00 3.041E+00 3.028E+00 3.012E+00 2.979E+00 2.980E+00 2.992E+00

SUBLAYER 10

MOISTURE 4.987E+00 4.971E+00 4.957E+00 4.925E+00 4.930E+00 4.943E+00 4.978E+00 4.997E+00 5.013E+00 5.034E+00 5.040E+00 5.044E+00

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%SOLUBILITY 2.078E+00 2.071E+00 2.066E+00 2.052E+00 2.054E+00 2.060E+00 2.074E+00 2.082E+00 2.089E+00 2.098E+00 2.100E+00 2.102E+00
ADSORBED    1.688E+00 1.683E+00 1.678E+00 1.667E+00 1.669E+00 1.673E+00 1.685E+00 1.691E+00 1.697E+00 1.704E+00 1.706E+00 1.708E+00
SOIL AIR    3.616E+00 3.651E+00 3.676E+00 3.699E+00 3.696E+00 3.699E+00 3.654E+00 3.639E+00 3.620E+00 3.581E+00 3.583E+00 3.597E+00


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03


   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 1.026E-03 1.215E-02 1.298E-02 1.011E-02 5.332E-03 2.237E-03 8.235E-04 0.000E+00 0.000E+00 0.000E+00
1                    YEAR - 110 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 (%)            8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)      8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)              24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                   1.265
TOTAL MOISTURE RETENTION (CM)              0.001
TOTAL YIELD (CM)                   7.763
      -- 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


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1


   LOWER SOIL ZONE:

      SUBLAYER  1


      SUBLAYER  2


      SUBLAYER  3


      SUBLAYER  4
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      SUBLAYER  5

      SUBLAYER  6

      SUBLAYER  7

      SUBLAYER  8

      SUBLAYER  9

      SUBLAYER 10

         TOTAL IN GROUNDWATER RUNOFF      1.147E+08
1              -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
               ----------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  4.000E-10
                    ADSORBED SOIL (UG/G)   1.354E-10
                    SOIL AIR (UG/ML)       2.923E-10

   SOIL ZONE 2:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  3.000E-09
                    ADSORBED SOIL (UG/G)   1.016E-09
                    SOIL AIR (UG/ML)       2.193E-09

   SOIL ZONE 3:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  3.320E-01
                    ADSORBED SOIL (UG/G)   1.124E-01
                    SOIL AIR (UG/ML)       2.426E-01

   LOWER SOIL ZONE:

      SUBLAYER  1

                    SOIL MOISTURE (UG/ML)  2.658E-01
                    ADSORBED SOIL (UG/G)   8.997E-02
                    SOIL AIR (UG/ML)       1.942E-01

      SUBLAYER  2

                    SOIL MOISTURE (UG/ML)  3.347E-01
                    ADSORBED SOIL (UG/G)   1.133E-01
                    SOIL AIR (UG/ML)       2.446E-01

      SUBLAYER  3

                    SOIL MOISTURE (UG/ML)  4.330E-01
                    ADSORBED SOIL (UG/G)   1.466E-01
                    SOIL AIR (UG/ML)       3.164E-01

      SUBLAYER  4

                    SOIL MOISTURE (UG/ML)  5.790E-01
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ADSORBED SOIL (UG/G) 1.960E-01
SOIL AIR (UG/ML) 4.231E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 8.073E-01
ADSORBED SOIL (UG/G) 2.733E-01
SOIL AIR (UG/ML) 5.900E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 1.184E+00
ADSORBED SOIL (UG/G) 4.008E-01
SOIL AIR (UG/ML) 8.653E-01

SUBLAYER 7

SOIL MOISTURE (UG/ML) 1.826E+00
ADSORBED SOIL (UG/G) 6.183E-01
SOIL AIR (UG/ML) 1.335E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 2.858E+00
ADSORBED SOIL (UG/G) 9.673E-01
SOIL AIR (UG/ML) 2.088E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 4.164E+00
ADSORBED SOIL (UG/G) 1.410E+00
SOIL AIR (UG/ML) 3.043E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 4.985E+00
ADSORBED SOIL (UG/G) 1.687E+00
SOIL AIR (UG/ML) 3.643E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 3.722E-03
1

YEAR - 120 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	2.907E-01	3.204E-01	3.533E-01	4.259E-01	4.281E-01	4.116E-01	3.797E-01	3.533E-01	3.358E-01	3.226E-01	3.127E-01	3.017E-01
ADS ON SOIL	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00	1.980E+00
IN SOIL AIR	5.863E-01	5.720E-01	5.531E-01	5.056E-01	5.031E-01	5.145E-01	5.281E-01	5.432E-01	5.514E-01	5.524E-01	5.590E-01	5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI	2.830E-01	3.119E-01	3.440E-01	4.147E-01	4.168E-01	4.007E-01	3.697E-01	3.440E-01	3.269E-01	3.141E-01	3.044E-01	2.937E-01
ADS ON SOIL	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00	1.928E+00
IN SOIL AIR	5.708E-01	5.569E-01	5.385E-01	4.923E-01	4.898E-01	5.009E-01	5.142E-01	5.289E-01	5.368E-01	5.378E-01	5.443E-01	5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI	1.109E+08	1.213E+08	1.327E+08	1.577E+08	1.579E+08	1.515E+08	1.404E+08	1.311E+08	1.249E+08	1.205E+08	1.170E+08	1.129E+08
ADS ON SOIL	7.557E+08	7.497E+08	7.438E+08	7.333E+08	7.302E+08	7.288E+08	7.319E+08	7.345E+08	7.368E+08	7.399E+08	7.406E+08	7.407E+08
IN SOIL AIR	2.238E+08	2.166E+08	2.078E+08	1.873E+08	1.855E+08	1.894E+08	1.952E+08	2.015E+08	2.052E+08	2.064E+08	2.091E+08	2.128E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI	1.435E+07	1.569E+07	1.718E+07	2.041E+07	2.043E+07	1.960E+07	1.816E+07	1.695E+07	1.616E+07	1.559E+07	1.513E+07	1.459E+07
ADS ON SOIL	9.773E+07	9.699E+07	9.627E+07	9.490E+07	9.448E+07	9.428E+07	9.467E+07	9.499E+07	9.529E+07	9.569E+07	9.578E+07	9.579E+07
IN SOIL AIR	2.894E+07	2.802E+07	2.689E+07	2.423E+07	2.400E+07	2.450E+07	2.525E+07	2.606E+07	2.653E+07	2.669E+07	2.704E+07	2.752E+07

SUBLAYER 2

IN SOIL MOI	1.807E+07	1.977E+07	2.164E+07	2.571E+07	2.573E+07	2.468E+07	2.287E+07	2.135E+07	2.035E+07	1.963E+07	1.905E+07	1.838E+07
ADS ON SOIL	1.231E+08	1.222E+08	1.213E+08	1.195E+08	1.190E+08	1.187E+08	1.192E+08	1.196E+08	1.200E+08	1.205E+08	1.206E+08	1.206E+08
IN SOIL AIR	3.645E+07	3.529E+07	3.388E+07	3.053E+07	3.023E+07	3.085E+07	3.180E+07	3.282E+07	3.342E+07	3.362E+07	3.406E+07	3.466E+07

SUBLAYER 3

IN SOIL MOI	2.338E+07	2.557E+07	2.800E+07	3.327E+07	3.328E+07	3.193E+07	2.957E+07	2.761E+07	2.632E+07	2.539E+07	2.464E+07	2.378E+07
ADS ON SOIL	1.592E+08	1.580E+08	1.569E+08	1.547E+08	1.539E+08	1.536E+08	1.542E+08	1.547E+08	1.552E+08	1.559E+08	1.560E+08	1.560E+08
IN SOIL AIR	4.715E+07	4.566E+07	4.383E+07	3.949E+07	3.911E+07	3.991E+07	4.113E+07	4.245E+07	4.322E+07	4.348E+07	4.405E+07	4.483E+07

SUBLAYER 4

IN SOIL MOI	3.126E+07	3.420E+07	3.745E+07	4.450E+07	4.451E+07	4.270E+07	3.955E+07	3.693E+07	3.520E+07	3.396E+07	3.295E+07	3.180E+07
ADS ON SOIL	2.129E+08	2.114E+08	2.099E+08	2.069E+08	2.059E+08	2.054E+08	2.062E+08	2.069E+08	2.076E+08	2.084E+08	2.087E+08	2.087E+08
IN SOIL AIR	6.305E+07	6.107E+07	5.863E+07	5.283E+07	5.231E+07	5.337E+07	5.501E+07	5.677E+07	5.780E+07	5.815E+07	5.891E+07	5.995E+07

SUBLAYER 5

IN SOIL MOI	4.364E+07	4.775E+07	5.230E+07	6.213E+07	6.215E+07	5.961E+07	5.521E+07	5.155E+07	4.913E+07	4.740E+07	4.599E+07	4.439E+07
ADS ON SOIL	2.972E+08	2.951E+08	2.931E+08	2.889E+08	2.874E+08	2.867E+08	2.879E+08	2.888E+08	2.897E+08	2.910E+08	2.913E+08	2.913E+08

IN SOIL AIR 8.801E+07 8.525E+07 8.186E+07 7.376E+07 7.303E+07 7.451E+07 7.679E+07 7.924E+07 8.068E+07 8.117E+07 8.224E+07 8.368E+07

SUBLAYER 6

IN SOIL MOI 6.428E+07 7.036E+07 7.707E+07 9.157E+07 9.158E+07 8.784E+07 8.136E+07 7.595E+07 7.239E+07 6.984E+07 6.777E+07 6.541E+07
ADS ON SOIL 4.378E+08 4.348E+08 4.319E+08 4.257E+08 4.236E+08 4.225E+08 4.243E+08 4.256E+08 4.269E+08 4.287E+08 4.292E+08 4.293E+08
IN SOIL AIR 1.296E+08 1.256E+08 1.206E+08 1.087E+08 1.076E+08 1.098E+08 1.132E+08 1.168E+08 1.189E+08 1.196E+08 1.212E+08 1.233E+08

SUBLAYER 7

IN SOIL MOI 1.008E+08 1.104E+08 1.210E+08 1.437E+08 1.438E+08 1.379E+08 1.277E+08 1.192E+08 1.137E+08 1.097E+08 1.064E+08 1.027E+08
ADS ON SOIL 6.866E+08 6.821E+08 6.778E+08 6.683E+08 6.650E+08 6.634E+08 6.661E+08 6.682E+08 6.703E+08 6.731E+08 6.738E+08 6.740E+08
IN SOIL AIR 2.033E+08 1.971E+08 1.893E+08 1.707E+08 1.690E+08 1.724E+08 1.777E+08 1.833E+08 1.866E+08 1.878E+08 1.902E+08 1.936E+08

SUBLAYER 8

IN SOIL MOI 1.651E+08 1.809E+08 1.984E+08 2.360E+08 2.362E+08 2.266E+08 2.100E+08 1.960E+08 1.868E+08 1.803E+08 1.749E+08 1.688E+08
ADS ON SOIL 1.124E+09 1.118E+09 1.112E+09 1.097E+09 1.092E+09 1.090E+09 1.095E+09 1.099E+09 1.102E+09 1.107E+09 1.108E+09 1.108E+09
IN SOIL AIR 3.329E+08 3.229E+08 3.105E+08 2.802E+08 2.775E+08 2.833E+08 2.921E+08 3.014E+08 3.068E+08 3.087E+08 3.128E+08 3.183E+08

SUBLAYER 9

IN SOIL MOI 2.621E+08 2.875E+08 3.157E+08 3.763E+08 3.772E+08 3.624E+08 3.361E+08 3.138E+08 2.991E+08 2.886E+08 2.800E+08 2.703E+08
ADS ON SOIL 1.785E+09 1.777E+09 1.769E+09 1.750E+09 1.745E+09 1.744E+09 1.753E+09 1.758E+09 1.764E+09 1.771E+09 1.773E+09 1.774E+09
IN SOIL AIR 5.287E+08 5.133E+08 4.942E+08 4.468E+08 4.432E+08 4.530E+08 4.674E+08 4.824E+08 4.911E+08 4.941E+08 5.007E+08 5.096E+08

SUBLAYER 10

IN SOIL MOI 3.547E+08 3.895E+08 4.283E+08 5.121E+08 5.146E+08 4.955E+08 4.601E+08 4.297E+08 4.095E+08 3.952E+08 3.835E+08 3.703E+08
ADS ON SOIL 2.416E+09 2.407E+09 2.400E+09 2.381E+09 2.380E+09 2.384E+09 2.399E+09 2.408E+09 2.415E+09 2.426E+09 2.428E+09 2.430E+09
IN SOIL AIR 7.153E+08 6.954E+08 6.704E+08 6.080E+08 6.047E+08 6.194E+08 6.398E+08 6.605E+08 6.725E+08 6.766E+08 6.857E+08 6.981E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.817E+06 3.340E+07 3.565E+07 2.771E+07 1.459E+07 6.118E+06 2.252E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 2.702E-01 2.681E-01 2.660E-01 2.622E-01 2.611E-01 2.606E-01 2.617E-01 2.626E-01 2.635E-01 2.646E-01 2.649E-01 2.649E-01
%SOLUBILITY 1.126E-01 1.117E-01 1.108E-01 1.093E-01 1.088E-01 1.086E-01 1.091E-01 1.094E-01 1.098E-01 1.102E-01 1.104E-01 1.104E-01
ADSORBED 9.148E-02 9.075E-02 9.004E-02 8.877E-02 8.840E-02 8.823E-02 8.860E-02 8.891E-02 8.919E-02 8.957E-02 8.966E-02 8.966E-02
SOIL AIR 1.960E-01 1.969E-01 1.973E-01 1.969E-01 1.958E-01 1.950E-01 1.921E-01 1.913E-01 1.903E-01 1.882E-01 1.883E-01 1.889E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.162E-01 2.146E-01 2.130E-01 2.100E-01 2.091E-01 2.086E-01 2.095E-01 2.102E-01 2.108E-01 2.117E-01 2.119E-01 2.120E-01
%SOLUBILITY 9.010E-02 8.942E-02 8.875E-02 8.750E-02 8.711E-02 8.692E-02 8.728E-02 8.758E-02 8.785E-02 8.822E-02 8.831E-02 8.831E-02
ADSORBED 7.320E-02 7.265E-02 7.211E-02 7.109E-02 7.077E-02 7.062E-02 7.091E-02 7.115E-02 7.137E-02 7.168E-02 7.175E-02 7.175E-02
SOIL AIR 1.568E-01 1.576E-01 1.580E-01 1.577E-01 1.567E-01 1.561E-01 1.538E-01 1.531E-01 1.523E-01 1.506E-01 1.507E-01 1.512E-01

SUBLAYER 2

MOISTURE 2.724E-01 2.703E-01 2.683E-01 2.645E-01 2.633E-01 2.627E-01 2.638E-01 2.647E-01 2.655E-01 2.666E-01 2.669E-01 2.670E-01
%SOLUBILITY 1.135E-01 1.126E-01 1.118E-01 1.102E-01 1.097E-01 1.095E-01 1.099E-01 1.103E-01 1.106E-01 1.111E-01 1.112E-01 1.112E-01
ADSORBED 9.221E-02 9.152E-02 9.084E-02 8.955E-02 8.914E-02 8.894E-02 8.931E-02 8.961E-02 8.989E-02 9.027E-02 9.036E-02 9.037E-02
SOIL AIR 1.975E-01 1.986E-01 1.990E-01 1.987E-01 1.974E-01 1.966E-01 1.937E-01 1.928E-01 1.918E-01 1.897E-01 1.897E-01 1.904E-01

SUBLAYER 3

MOISTURE 3.523E-01 3.497E-01 3.472E-01 3.422E-01 3.406E-01 3.398E-01 3.412E-01 3.424E-01 3.434E-01 3.449E-01 3.452E-01 3.453E-01
%SOLUBILITY 1.468E-01 1.457E-01 1.447E-01 1.426E-01 1.419E-01 1.416E-01 1.422E-01 1.427E-01 1.431E-01 1.437E-01 1.438E-01 1.439E-01
ADSORBED 1.193E-01 1.184E-01 1.175E-01 1.158E-01 1.153E-01 1.150E-01 1.155E-01 1.159E-01 1.163E-01 1.168E-01 1.169E-01 1.169E-01
SOIL AIR 2.555E-01 2.568E-01 2.575E-01 2.570E-01 2.553E-01 2.543E-01 2.505E-01 2.494E-01 2.480E-01 2.453E-01 2.454E-01 2.463E-01

SUBLAYER 4

MOISTURE 4.712E-01 4.678E-01 4.644E-01 4.578E-01 4.556E-01 4.545E-01 4.564E-01 4.579E-01 4.593E-01 4.612E-01 4.617E-01 4.618E-01
%SOLUBILITY 1.963E-01 1.949E-01 1.935E-01 1.907E-01 1.898E-01 1.894E-01 1.901E-01 1.908E-01 1.914E-01 1.922E-01 1.924E-01 1.924E-01
ADSORBED 1.595E-01 1.583E-01 1.572E-01 1.550E-01 1.542E-01 1.539E-01 1.545E-01 1.550E-01 1.555E-01 1.561E-01 1.563E-01 1.563E-01
SOIL AIR 3.417E-01 3.435E-01 3.444E-01 3.438E-01 3.415E-01 3.401E-01 3.350E-01 3.335E-01 3.317E-01 3.280E-01 3.282E-01 3.293E-01

SUBLAYER 5

MOISTURE 6.577E-01 6.530E-01 6.484E-01 6.392E-01 6.360E-01 6.345E-01 6.370E-01 6.391E-01 6.411E-01 6.438E-01 6.445E-01 6.446E-01
%SOLUBILITY 2.740E-01 2.721E-01 2.702E-01 2.663E-01 2.650E-01 2.644E-01 2.654E-01 2.663E-01 2.671E-01 2.683E-01 2.685E-01 2.686E-01
ADSORBED 2.226E-01 2.211E-01 2.195E-01 2.164E-01 2.153E-01 2.148E-01 2.157E-01 2.164E-01 2.170E-01 2.179E-01 2.182E-01 2.182E-01
SOIL AIR 4.770E-01 4.796E-01 4.809E-01 4.800E-01 4.768E-01 4.748E-01 4.676E-01 4.655E-01 4.630E-01 4.579E-01 4.581E-01 4.597E-01

SUBLAYER 6

MOISTURE 9.688E-01 9.621E-01 9.556E-01 9.420E-01 9.373E-01 9.350E-01 9.387E-01 9.418E-01 9.446E-01 9.486E-01 9.496E-01 9.499E-01
%SOLUBILITY 4.037E-01 4.009E-01 3.982E-01 3.925E-01 3.905E-01 3.896E-01 3.911E-01 3.924E-01 3.936E-01 3.953E-01 3.957E-01 3.958E-01
ADSORBED 3.280E-01 3.257E-01 3.235E-01 3.189E-01 3.173E-01 3.165E-01 3.178E-01 3.188E-01 3.198E-01 3.211E-01 3.215E-01 3.215E-01
SOIL AIR 7.026E-01 7.066E-01 7.087E-01 7.074E-01 7.026E-01 6.996E-01 6.891E-01 6.859E-01 6.823E-01 6.747E-01 6.750E-01 6.775E-01

SUBLAYER 7

MOISTURE 1.519E+00 1.509E+00 1.500E+00 1.479E+00 1.471E+00 1.468E+00 1.474E+00 1.479E+00 1.483E+00 1.489E+00 1.491E+00 1.491E+00
%SOLUBILITY 6.330E-01 6.289E-01 6.249E-01 6.161E-01 6.131E-01 6.116E-01 6.141E-01 6.161E-01 6.179E-01 6.206E-01 6.212E-01 6.214E-01
ADSORBED 5.143E-01 5.110E-01 5.077E-01 5.006E-01 4.981E-01 4.969E-01 4.989E-01 5.005E-01 5.020E-01 5.042E-01 5.047E-01 5.048E-01
SOIL AIR 1.102E+00 1.109E+00 1.112E+00 1.111E+00 1.103E+00 1.098E+00 1.082E+00 1.077E+00 1.071E+00 1.059E+00 1.060E+00 1.064E+00

SUBLAYER 8

MOISTURE 2.488E+00 2.474E+00 2.460E+00 2.427E+00 2.417E+00 2.412E+00 2.423E+00 2.431E+00 2.438E+00 2.448E+00 2.451E+00 2.452E+00
%SOLUBILITY 1.037E+00 1.031E+00 1.025E+00 1.011E+00 1.007E+00 1.005E+00 1.010E+00 1.013E+00 1.016E+00 1.020E+00 1.021E+00 1.022E+00
ADSORBED 8.422E-01 8.374E-01 8.326E-01 8.218E-01 8.182E-01 8.166E-01 8.202E-01 8.229E-01 8.253E-01 8.289E-01 8.298E-01 8.301E-01
SOIL AIR 1.804E+00 1.817E+00 1.824E+00 1.823E+00 1.812E+00 1.805E+00 1.779E+00 1.770E+00 1.761E+00 1.742E+00 1.742E+00 1.749E+00

SUBLAYER 9

MOISTURE 3.951E+00 3.932E+00 3.914E+00 3.871E+00 3.860E+00 3.858E+00 3.878E+00 3.891E+00 3.903E+00 3.919E+00 3.924E+00 3.926E+00
%SOLUBILITY 1.646E+00 1.638E+00 1.631E+00 1.613E+00 1.608E+00 1.607E+00 1.616E+00 1.621E+00 1.626E+00 1.633E+00 1.635E+00 1.636E+00
ADSORBED 1.337E+00 1.331E+00 1.325E+00 1.311E+00 1.307E+00 1.306E+00 1.313E+00 1.317E+00 1.321E+00 1.327E+00 1.328E+00 1.329E+00
SOIL AIR 2.865E+00 2.888E+00 2.903E+00 2.907E+00 2.894E+00 2.887E+00 2.847E+00 2.834E+00 2.819E+00 2.788E+00 2.789E+00 2.800E+00

SUBLAYER 10

MOISTURE 5.345E+00 5.327E+00 5.310E+00 5.268E+00 5.266E+00 5.275E+00 5.308E+00 5.327E+00 5.344E+00 5.367E+00 5.374E+00 5.377E+00
%SOLUBILITY 2.227E+00 2.219E+00 2.213E+00 2.195E+00 2.194E+00 2.198E+00 2.212E+00 2.220E+00 2.227E+00 2.236E+00 2.239E+00 2.241E+00
ADSORBED 1.810E+00 1.803E+00 1.798E+00 1.783E+00 1.783E+00 1.786E+00 1.797E+00 1.803E+00 1.809E+00 1.817E+00 1.819E+00 1.820E+00
SOIL AIR 3.876E+00 3.912E+00 3.938E+00 3.956E+00 3.948E+00 3.947E+00 3.897E+00 3.880E+00 3.860E+00 3.817E+00 3.820E+00 3.835E+00

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 1.099E-03 1.300E-02 1.386E-02 1.079E-02 5.686E-03 2.385E-03 8.780E-04 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 120 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 1.225E+08
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.642E-01
ADSORBED SOIL (UG/G) 8.944E-02
SOIL AIR (UG/ML) 1.931E-01

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.115E-01
ADSORBED SOIL (UG/G) 7.159E-02
SOIL AIR (UG/ML) 1.545E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 2.664E-01
ADSORBED SOIL (UG/G) 9.017E-02
SOIL AIR (UG/ML) 1.946E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 3.445E-01
ADSORBED SOIL (UG/G) 1.166E-01
SOIL AIR (UG/ML) 2.518E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 4.608E-01
ADSORBED SOIL (UG/G) 1.560E-01
SOIL AIR (UG/ML) 3.367E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 6.432E-01
ADSORBED SOIL (UG/G) 2.178E-01
SOIL AIR (UG/ML) 4.701E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 9.478E-01
ADSORBED SOIL (UG/G) 3.209E-01
SOIL AIR (UG/ML) 6.927E-01

SUBLAYER 7

SOIL MOISTURE (UG/ML) 1.488E+00
ADSORBED SOIL (UG/G) 5.036E-01
SOIL AIR (UG/ML) 1.087E+00

SUBLAYER 8

SOIL MOISTURE (UG/ML) 2.443E+00
ADSORBED SOIL (UG/G) 8.272E-01
SOIL AIR (UG/ML) 1.786E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 3.902E+00
ADSORBED SOIL (UG/G) 1.321E+00
SOIL AIR (UG/ML) 2.852E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 5.324E+00
ADSORBED SOIL (UG/G) 1.802E+00
SOIL AIR (UG/ML) 3.891E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 3.975E-03
1

YEAR - 128 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

```
          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 IS ZERO EACH MONTH, IT IS NOT PRINTED
        ----------------------------------------------------------------------------------------------------------

   UPPER SOIL ZONE:

      SUBLAYER 1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

   SOIL ZONE 2:

      SUBLAYER 1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

   SOIL ZONE 3:

      SUBLAYER 1

IN SOIL MOI 9.240E+07 1.010E+08 1.105E+08 1.314E+08 1.315E+08 1.262E+08 1.169E+08 1.092E+08 1.041E+08 1.004E+08 9.740E+07 9.399E+07
ADS ON SOIL 6.294E+08 6.243E+08 6.194E+08 6.107E+08 6.082E+08 6.070E+08 6.095E+08 6.117E+08 6.136E+08 6.162E+08 6.168E+08 6.169E+08
IN SOIL AIR 1.864E+08 1.804E+08 1.730E+08 1.559E+08 1.545E+08 1.577E+08 1.626E+08 1.678E+08 1.709E+08 1.719E+08 1.742E+08 1.772E+08

   LOWER SOIL ZONE:

      SUBLAYER 1

IN SOIL MOI 1.195E+07 1.307E+07 1.431E+07 1.700E+07 1.701E+07 1.632E+07 1.512E+07 1.412E+07 1.346E+07 1.298E+07 1.260E+07 1.215E+07
ADS ON SOIL 8.139E+07 8.077E+07 8.017E+07 7.904E+07 7.868E+07 7.852E+07 7.884E+07 7.911E+07 7.936E+07 7.969E+07 7.977E+07 7.977E+07
IN SOIL AIR 2.410E+07 2.333E+07 2.240E+07 2.018E+07 1.999E+07 2.040E+07 2.103E+07 2.170E+07 2.210E+07 2.223E+07 2.252E+07 2.292E+07

      SUBLAYER 2

IN SOIL MOI 1.505E+07 1.646E+07 1.802E+07 2.141E+07 2.143E+07 2.056E+07 1.904E+07 1.778E+07 1.695E+07 1.635E+07 1.586E+07 1.531E+07
ADS ON SOIL 1.025E+08 1.018E+08 1.010E+08 9.956E+07 9.911E+07 9.889E+07 9.929E+07 9.963E+07 9.994E+07 1.004E+08 1.005E+08 1.005E+08
IN SOIL AIR 3.036E+07 2.939E+07 2.821E+07 2.542E+07 2.518E+07 2.569E+07 2.648E+07 2.733E+07 2.783E+07 2.800E+07 2.836E+07 2.886E+07

      SUBLAYER 3

IN SOIL MOI 1.947E+07 2.130E+07 2.332E+07 2.771E+07 2.772E+07 2.659E+07 2.463E+07 2.300E+07 2.192E+07 2.115E+07 2.052E+07 1.980E+07
ADS ON SOIL 1.326E+08 1.316E+08 1.307E+08 1.288E+08 1.282E+08 1.279E+08 1.284E+08 1.289E+08 1.293E+08 1.298E+08 1.299E+08 1.300E+08
IN SOIL AIR 3.927E+07 3.802E+07 3.650E+07 3.289E+07 3.257E+07 3.324E+07 3.426E+07 3.535E+07 3.599E+07 3.621E+07 3.669E+07 3.733E+07

      SUBLAYER 4

IN SOIL MOI 2.604E+07 2.849E+07 3.120E+07 3.706E+07 3.708E+07 3.557E+07 3.294E+07 3.076E+07 2.932E+07 2.828E+07 2.745E+07 2.648E+07
ADS ON SOIL 1.774E+08 1.761E+08 1.748E+08 1.723E+08 1.715E+08 1.711E+08 1.718E+08 1.724E+08 1.729E+08 1.736E+08 1.738E+08 1.738E+08
IN SOIL AIR 5.252E+07 5.087E+07 4.883E+07 4.400E+07 4.357E+07 4.446E+07 4.582E+07 4.728E+07 4.814E+07 4.843E+07 4.907E+07 4.993E+07

      SUBLAYER 5

IN SOIL MOI 3.637E+07 3.979E+07 4.358E+07 5.177E+07 5.179E+07 4.967E+07 4.601E+07 4.295E+07 4.094E+07 3.950E+07 3.833E+07 3.699E+07
ADS ON SOIL 2.477E+08 2.459E+08 2.442E+08 2.407E+08 2.395E+08 2.389E+08 2.399E+08 2.407E+08 2.414E+08 2.424E+08 2.427E+08 2.427E+08
IN SOIL AIR 7.334E+07 7.104E+07 6.821E+07 6.147E+07 6.085E+07 6.209E+07 6.399E+07 6.603E+07 6.723E+07 6.764E+07 6.852E+07 6.973E+07

      SUBLAYER 6
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IN SOIL MOI 5.371E+07 5.879E+07 6.440E+07 7.651E+07 7.651E+07 7.338E+07 6.797E+07 6.345E+07 6.048E+07 5.835E+07 5.662E+07 5.464E+07
ADS ON SOIL 3.659E+08 3.633E+08 3.609E+08 3.557E+08 3.539E+08 3.530E+08 3.544E+08 3.556E+08 3.567E+08 3.582E+08 3.585E+08 3.586E+08
IN SOIL AIR 1.083E+08 1.050E+08 1.008E+08 9.083E+07 8.992E+07 9.173E+07 9.453E+07 9.755E+07 9.931E+07 9.992E+07 1.012E+08 1.030E+08

SUBLAYER 7

IN SOIL MOI 8.499E+07 9.305E+07 1.020E+08 1.212E+08 1.212E+08 1.162E+08 1.076E+08 1.005E+08 9.577E+07 9.240E+07 8.966E+07 8.653E+07
ADS ON SOIL 5.789E+08 5.751E+08 5.714E+08 5.633E+08 5.604E+08 5.590E+08 5.613E+08 5.631E+08 5.648E+08 5.672E+08 5.678E+08 5.679E+08
IN SOIL AIR 1.714E+08 1.661E+08 1.596E+08 1.438E+08 1.424E+08 1.453E+08 1.497E+08 1.545E+08 1.573E+08 1.582E+08 1.603E+08 1.631E+08

SUBLAYER 8

IN SOIL MOI 1.434E+08 1.571E+08 1.722E+08 2.048E+08 2.049E+08 1.966E+08 1.821E+08 1.700E+08 1.620E+08 1.563E+08 1.517E+08 1.464E+08
ADS ON SOIL 9.765E+08 9.708E+08 9.651E+08 9.521E+08 9.476E+08 9.456E+08 9.496E+08 9.526E+08 9.555E+08 9.596E+08 9.606E+08 9.610E+08
IN SOIL AIR 2.891E+08 2.804E+08 2.696E+08 2.431E+08 2.408E+08 2.457E+08 2.533E+08 2.613E+08 2.661E+08 2.677E+08 2.712E+08 2.760E+08

SUBLAYER 9

IN SOIL MOI 2.425E+08 2.659E+08 2.919E+08 3.477E+08 3.483E+08 3.345E+08 3.101E+08 2.895E+08 2.759E+08 2.662E+08 2.584E+08 2.494E+08
ADS ON SOIL 1.652E+09 1.644E+09 1.636E+09 1.617E+09 1.611E+09 1.609E+09 1.617E+09 1.622E+09 1.627E+09 1.634E+09 1.636E+09 1.637E+09
IN SOIL AIR 4.891E+08 4.748E+08 4.570E+08 4.128E+08 4.093E+08 4.182E+08 4.313E+08 4.451E+08 4.531E+08 4.559E+08 4.619E+08 4.702E+08

SUBLAYER 10

IN SOIL MOI 3.616E+08 3.970E+08 4.364E+08 5.213E+08 5.234E+08 5.037E+08 4.674E+08 4.365E+08 4.160E+08 4.014E+08 3.896E+08 3.761E+08
ADS ON SOIL 2.463E+09 2.454E+09 2.446E+09 2.424E+09 2.421E+09 2.423E+09 2.437E+09 2.446E+09 2.453E+09 2.464E+09 2.467E+09 2.469E+09
IN SOIL AIR 7.292E+08 7.088E+08 6.831E+08 6.190E+08 6.150E+08 6.296E+08 6.501E+08 6.710E+08 6.832E+08 6.874E+08 6.965E+08 7.091E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.871E+06 3.402E+07 3.627E+07 2.818E+07 1.483E+07 6.216E+06 2.287E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 2.251E-01 2.233E-01 2.215E-01 2.184E-01 2.175E-01 2.171E-01 2.180E-01 2.187E-01 2.194E-01 2.204E-01 2.206E-01 2.206E-01
%SOLUBILITY 9.378E-02 9.303E-02 9.230E-02 9.099E-02 9.062E-02 9.044E-02 9.082E-02 9.114E-02 9.143E-02 9.181E-02 9.191E-02 9.191E-02
ADSORBED 7.619E-02 7.558E-02 7.499E-02 7.393E-02 7.362E-02 7.348E-02 7.379E-02 7.405E-02 7.428E-02 7.459E-02 7.467E-02 7.467E-02
SOIL AIR 1.632E-01 1.640E-01 1.643E-01 1.640E-01 1.630E-01 1.624E-01 1.600E-01 1.593E-01 1.585E-01 1.567E-01 1.568E-01 1.573E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.801E-01 1.787E-01 1.774E-01 1.749E-01 1.741E-01 1.737E-01 1.745E-01 1.750E-01 1.756E-01 1.763E-01 1.765E-01 1.765E-01
%SOLUBILITY 7.504E-02 7.447E-02 7.392E-02 7.287E-02 7.254E-02 7.239E-02 7.269E-02 7.294E-02 7.316E-02 7.347E-02 7.354E-02 7.355E-02

ADSORBED 6.097E-02 6.050E-02 6.005E-02 5.920E-02 5.894E-02 5.881E-02 5.906E-02 5.926E-02 5.944E-02 5.969E-02 5.975E-02 5.975E-02
SOIL AIR 1.306E-01 1.313E-01 1.316E-01 1.313E-01 1.305E-01 1.300E-01 1.281E-01 1.275E-01 1.268E-01 1.254E-01 1.255E-01 1.259E-01

SUBLAYER 2

MOISTURE 2.269E-01 2.251E-01 2.235E-01 2.203E-01 2.193E-01 2.188E-01 2.197E-01 2.204E-01 2.211E-01 2.221E-01 2.223E-01 2.223E-01
%SOLUBILITY 9.452E-02 9.381E-02 9.312E-02 9.179E-02 9.137E-02 9.117E-02 9.154E-02 9.185E-02 9.214E-02 9.253E-02 9.262E-02 9.263E-02
ADSORBED 7.679E-02 7.622E-02 7.565E-02 7.458E-02 7.423E-02 7.407E-02 7.437E-02 7.462E-02 7.486E-02 7.517E-02 7.525E-02 7.526E-02
SOIL AIR 1.645E-01 1.654E-01 1.657E-01 1.654E-01 1.644E-01 1.637E-01 1.613E-01 1.606E-01 1.597E-01 1.579E-01 1.580E-01 1.586E-01

SUBLAYER 3

MOISTURE 2.934E-01 2.913E-01 2.891E-01 2.850E-01 2.837E-01 2.830E-01 2.842E-01 2.851E-01 2.860E-01 2.872E-01 2.875E-01 2.876E-01
%SOLUBILITY 1.223E-01 1.214E-01 1.205E-01 1.188E-01 1.182E-01 1.179E-01 1.184E-01 1.188E-01 1.192E-01 1.197E-01 1.198E-01 1.198E-01
ADSORBED 9.933E-02 9.860E-02 9.788E-02 9.648E-02 9.603E-02 9.581E-02 9.620E-02 9.652E-02 9.682E-02 9.723E-02 9.733E-02 9.735E-02
SOIL AIR 2.128E-01 2.139E-01 2.144E-01 2.140E-01 2.127E-01 2.118E-01 2.086E-01 2.077E-01 2.066E-01 2.043E-01 2.044E-01 2.051E-01

SUBLAYER 4

MOISTURE 3.925E-01 3.896E-01 3.868E-01 3.813E-01 3.795E-01 3.786E-01 3.801E-01 3.814E-01 3.825E-01 3.842E-01 3.846E-01 3.846E-01
%SOLUBILITY 1.635E-01 1.623E-01 1.612E-01 1.589E-01 1.581E-01 1.577E-01 1.584E-01 1.589E-01 1.594E-01 1.601E-01 1.602E-01 1.603E-01
ADSORBED 1.329E-01 1.319E-01 1.309E-01 1.291E-01 1.285E-01 1.282E-01 1.287E-01 1.291E-01 1.295E-01 1.300E-01 1.302E-01 1.302E-01
SOIL AIR 2.846E-01 2.862E-01 2.869E-01 2.863E-01 2.845E-01 2.833E-01 2.790E-01 2.778E-01 2.763E-01 2.732E-01 2.734E-01 2.743E-01

SUBLAYER 5

MOISTURE 5.481E-01 5.442E-01 5.403E-01 5.326E-01 5.300E-01 5.287E-01 5.308E-01 5.326E-01 5.342E-01 5.365E-01 5.370E-01 5.371E-01
%SOLUBILITY 2.284E-01 2.267E-01 2.251E-01 2.219E-01 2.208E-01 2.203E-01 2.212E-01 2.219E-01 2.226E-01 2.235E-01 2.238E-01 2.238E-01
ADSORBED 1.855E-01 1.842E-01 1.829E-01 1.803E-01 1.794E-01 1.790E-01 1.797E-01 1.803E-01 1.808E-01 1.816E-01 1.818E-01 1.818E-01
SOIL AIR 3.975E-01 3.997E-01 4.007E-01 4.000E-01 3.973E-01 3.956E-01 3.897E-01 3.879E-01 3.858E-01 3.816E-01 3.817E-01 3.831E-01

SUBLAYER 6

MOISTURE 8.095E-01 8.040E-01 7.985E-01 7.870E-01 7.831E-01 7.811E-01 7.843E-01 7.868E-01 7.892E-01 7.925E-01 7.934E-01 7.935E-01
%SOLUBILITY 3.373E-01 3.350E-01 3.327E-01 3.279E-01 3.263E-01 3.255E-01 3.268E-01 3.278E-01 3.288E-01 3.302E-01 3.306E-01 3.306E-01
ADSORBED 2.740E-01 2.722E-01 2.703E-01 2.664E-01 2.651E-01 2.644E-01 2.655E-01 2.663E-01 2.672E-01 2.683E-01 2.686E-01 2.686E-01
SOIL AIR 5.871E-01 5.905E-01 5.921E-01 5.911E-01 5.870E-01 5.845E-01 5.757E-01 5.730E-01 5.700E-01 5.637E-01 5.639E-01 5.660E-01

SUBLAYER 7

MOISTURE 1.281E+00 1.272E+00 1.264E+00 1.246E+00 1.240E+00 1.237E+00 1.242E+00 1.246E+00 1.250E+00 1.255E+00 1.256E+00 1.257E+00
%SOLUBILITY 5.337E-01 5.302E-01 5.268E-01 5.193E-01 5.167E-01 5.154E-01 5.175E-01 5.191E-01 5.207E-01 5.229E-01 5.234E-01 5.236E-01
ADSORBED 4.336E-01 4.308E-01 4.280E-01 4.219E-01 4.198E-01 4.187E-01 4.204E-01 4.218E-01 4.230E-01 4.248E-01 4.253E-01 4.254E-01
SOIL AIR 9.289E-01 9.346E-01 9.376E-01 9.360E-01 9.296E-01 9.256E-01 9.117E-01 9.074E-01 9.025E-01 8.926E-01 8.930E-01 8.962E-01

SUBLAYER 8

MOISTURE 2.161E+00 2.148E+00 2.135E+00 2.107E+00 2.097E+00 2.092E+00 2.101E+00 2.108E+00 2.114E+00 2.123E+00 2.126E+00 2.126E+00
%SOLUBILITY 9.003E-01 8.950E-01 8.898E-01 8.778E-01 8.737E-01 8.718E-01 8.755E-01 8.783E-01 8.809E-01 8.847E-01 8.856E-01 8.860E-01
ADSORBED 7.315E-01 7.271E-01 7.229E-01 7.132E-01 7.098E-01 7.083E-01 7.113E-01 7.136E-01 7.157E-01 7.188E-01 7.195E-01 7.198E-01
SOIL AIR 1.567E+00 1.578E+00 1.584E+00 1.582E+00 1.572E+00 1.566E+00 1.542E+00 1.535E+00 1.527E+00 1.510E+00 1.511E+00 1.517E+00

SUBLAYER 9

MOISTURE 3.655E+00 3.637E+00 3.620E+00 3.577E+00 3.565E+00 3.561E+00 3.578E+00 3.590E+00 3.601E+00 3.616E+00 3.620E+00 3.622E+00
%SOLUBILITY 1.523E+00 1.515E+00 1.508E+00 1.491E+00 1.485E+00 1.484E+00 1.491E+00 1.496E+00 1.500E+00 1.507E+00 1.508E+00 1.509E+00
ADSORBED 1.237E+00 1.231E+00 1.225E+00 1.211E+00 1.207E+00 1.205E+00 1.211E+00 1.215E+00 1.219E+00 1.224E+00 1.225E+00 1.226E+00
SOIL AIR 2.650E+00 2.671E+00 2.684E+00 2.687E+00 2.672E+00 2.665E+00 2.627E+00 2.615E+00 2.601E+00 2.572E+00 2.573E+00 2.583E+00

SUBLAYER 10

MOISTURE 5.449E+00 5.429E+00 5.411E+00 5.363E+00 5.356E+00 5.361E+00 5.393E+00 5.412E+00 5.429E+00 5.452E+00 5.458E+00 5.462E+00
%SOLUBILITY 2.270E+00 2.262E+00 2.255E+00 2.235E+00 2.232E+00 2.234E+00 2.247E+00 2.255E+00 2.262E+00 2.272E+00 2.274E+00 2.276E+00
ADSORBED 1.845E+00 1.838E+00 1.832E+00 1.816E+00 1.813E+00 1.815E+00 1.826E+00 1.832E+00 1.838E+00 1.846E+00 1.848E+00 1.849E+00
SOIL AIR 3.952E+00 3.987E+00 4.013E+00 4.028E+00 4.015E+00 4.012E+00 3.959E+00 3.942E+00 3.921E+00 3.878E+00 3.880E+00 3.896E+00

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

/VR. CONC. 0.000E+00 0.000E+00 1.120E-03 1.324E-02 1.410E-02 1.096E-02 5.777E-03 2.423E-03 8.919E-04 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 128 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 1.247E+08
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.200E-01
ADSORBED SOIL (UG/G) 7.449E-02
SOIL AIR (UG/ML) 1.608E-01

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.761E-01
ADSORBED SOIL (UG/G) 5.962E-02
SOIL AIR (UG/ML) 1.287E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 2.218E-01
ADSORBED SOIL (UG/G) 7.509E-02
SOIL AIR (UG/ML) 1.621E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 2.869E-01
ADSORBED SOIL (UG/G) 9.713E-02
SOIL AIR (UG/ML) 2.097E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 3.838E-01
ADSORBED SOIL (UG/G) 1.299E-01
SOIL AIR (UG/ML) 2.805E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 5.360E-01
ADSORBED SOIL (UG/G) 1.815E-01
SOIL AIR (UG/ML) 3.917E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 7.919E-01
ADSORBED SOIL (UG/G) 2.681E-01
SOIL AIR (UG/ML) 5.787E-01

SUBLAYER 7

SOIL MOISTURE (UG/ML) 1.254E+00
ADSORBED SOIL (UG/G) 4.245E-01
SOIL AIR (UG/ML) 9.163E-01

SUBLAYER 8

SOIL MOISTURE (UG/ML) 2.120E+00
ADSORBED SOIL (UG/G) 7.176E-01
SOIL AIR (UG/ML) 1.549E+00

SUBLAYER 9

SOIL MOISTURE (UG/ML) 3.603E+00
ADSORBED SOIL (UG/G) 1.220E+00
SOIL AIR (UG/ML) 2.633E+00

SUBLAYER 10

SOIL MOISTURE (UG/ML) 5.415E+00
ADSORBED SOIL (UG/G) 1.833E+00
SOIL AIR (UG/ML) 3.957E+00

MAX. POLL. DEPTH (M) 1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML) 4.043E-03

YEAR - 130 MONTHLY RESULTS (OUTPUT)
======== ==========

-- HYDROLOGIC CYCLE COMPONENTS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
MOIS. BELOW L1 (%)	7.405	8.161	9.001	10.849	10.905	10.485	9.673	9.001	8.553	8.217	7.965	7.685
PRECIPATION (CM)	0.577	3.988	4.381	8.036	6.021	4.888	2.542	0.512	0.090	0.051	0.566	0.685
NET INFILT. (CM)	0.490	3.313	3.723	6.362	4.615	4.066	2.266	0.407	0.068	0.044	0.094	0.392
EVAPOTRANS. (CM)	1.064	2.241	2.405	3.094	4.046	4.331	3.306	1.349	0.720	0.570	0.535	0.913
MOIS. RETEN (CM)	-0.427	1.152	1.280	2.815	0.085	-0.640	-1.237	-1.024	-0.682	-0.512	-0.384	-0.427
SUR. RUNOFF (CM)	0.087	0.675	0.658	1.675	1.406	0.822	0.276	0.105	0.022	0.000	0.472	0.293
GRW. RUNOFF (CM)	-0.148	-0.080	0.038	0.453	0.483	0.375	0.196	0.082	0.030	-0.014	-0.057	-0.095
YIELD (CM)	-0.061	0.595	0.696	2.128	1.889	1.197	0.472	0.187	0.052	-0.007	0.415	0.199
PAU/MPA (GZU)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008
PA/MPA (GZ)	1.088	0.992	0.998	0.992	1.000	0.998	1.001	1.138	1.002	1.705	2.177	1.008

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

	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
OAD 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
OAD 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 IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 8.827E+07 9.650E+07 1.056E+08 1.255E+08 1.256E+08 1.205E+08 1.117E+08 1.043E+08 9.940E+07 9.589E+07 9.305E+07 8.978E+07
ADS ON SOIL 6.012E+08 5.964E+08 5.917E+08 5.834E+08 5.809E+08 5.798E+08 5.823E+08 5.843E+08 5.862E+08 5.886E+08 5.892E+08 5.893E+08
IN SOIL AIR 1.780E+08 1.723E+08 1.653E+08 1.490E+08 1.476E+08 1.507E+08 1.553E+08 1.603E+08 1.632E+08 1.642E+08 1.664E+08 1.693E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 1.142E+07 1.248E+07 1.367E+07 1.624E+07 1.625E+07 1.559E+07 1.444E+07 1.349E+07 1.285E+07 1.240E+07 1.203E+07 1.161E+07
ADS ON SOIL 7.775E+07 7.716E+07 7.659E+07 7.550E+07 7.516E+07 7.500E+07 7.532E+07 7.557E+07 7.581E+07 7.613E+07 7.620E+07 7.621E+07
IN SOIL AIR 2.302E+07 2.229E+07 2.139E+07 1.928E+07 1.910E+07 1.949E+07 2.009E+07 2.073E+07 2.111E+07 2.124E+07 2.151E+07 2.189E+07

SUBLAYER 2

IN SOIL MOI 1.438E+07 1.573E+07 1.722E+07 2.046E+07 2.047E+07 1.964E+07 1.819E+07 1.698E+07 1.619E+07 1.562E+07 1.515E+07 1.462E+07
ADS ON SOIL 9.794E+07 9.720E+07 9.648E+07 9.511E+07 9.467E+07 9.446E+07 9.485E+07 9.517E+07 9.547E+07 9.587E+07 9.597E+07 9.598E+07
IN SOIL AIR 2.900E+07 2.808E+07 2.695E+07 2.429E+07 2.405E+07 2.454E+07 2.530E+07 2.611E+07 2.658E+07 2.674E+07 2.710E+07 2.757E+07

SUBLAYER 3

IN SOIL MOI 1.860E+07 2.035E+07 2.228E+07 2.647E+07 2.648E+07 2.540E+07 2.353E+07 2.197E+07 2.094E+07 2.020E+07 1.960E+07 1.892E+07
ADS ON SOIL 1.267E+08 1.257E+08 1.248E+08 1.230E+08 1.225E+08 1.222E+08 1.227E+08 1.231E+08 1.235E+08 1.240E+08 1.241E+08 1.242E+08
IN SOIL AIR 3.751E+07 3.632E+07 3.487E+07 3.142E+07 3.112E+07 3.175E+07 3.272E+07 3.377E+07 3.439E+07 3.459E+07 3.505E+07 3.566E+07

SUBLAYER 4

IN SOIL MOI 2.488E+07 2.722E+07 2.980E+07 3.541E+07 3.542E+07 3.398E+07 3.147E+07 2.938E+07 2.801E+07 2.702E+07 2.622E+07 2.530E+07
ADS ON SOIL 1.694E+08 1.682E+08 1.670E+08 1.646E+08 1.638E+08 1.634E+08 1.641E+08 1.646E+08 1.652E+08 1.659E+08 1.660E+08 1.661E+08
IN SOIL AIR 5.017E+07 4.859E+07 4.665E+07 4.204E+07 4.162E+07 4.247E+07 4.377E+07 4.517E+07 4.599E+07 4.627E+07 4.688E+07 4.770E+07

SUBLAYER 5

IN SOIL MOI 3.474E+07 3.802E+07 4.163E+07 4.946E+07 4.947E+07 4.745E+07 4.396E+07 4.103E+07 3.911E+07 3.774E+07 3.662E+07 3.534E+07
ADS ON SOIL 2.366E+08 2.350E+08 2.333E+08 2.300E+08 2.288E+08 2.283E+08 2.292E+08 2.299E+08 2.307E+08 2.316E+08 2.319E+08 2.319E+08
IN SOIL AIR 7.007E+07 6.787E+07 6.517E+07 5.872E+07 5.814E+07 5.932E+07 6.113E+07 6.308E+07 6.423E+07 6.462E+07 6.547E+07 6.662E+07

SUBLAYER 6

IN SOIL MOI 5.134E+07 5.619E+07 6.155E+07 7.313E+07 7.313E+07 7.014E+07 6.497E+07 6.065E+07 5.781E+07 5.577E+07 5.412E+07 5.223E+07
ADS ON SOIL 3.497E+08 3.473E+08 3.449E+08 3.400E+08 3.383E+08 3.374E+08 3.388E+08 3.399E+08 3.409E+08 3.423E+08 3.427E+08 3.428E+08
IN SOIL AIR 1.035E+08 1.003E+08 9.635E+07 8.682E+07 8.594E+07 8.767E+07 9.036E+07 9.323E+07 9.492E+07 9.550E+07 9.676E+07 9.846E+07

SUBLAYER 7

SOIL MOI 8.138E+07 8.910E+07 9.763E+07 1.160E+08 1.160E+08 1.113E+08 1.031E+08 9.620E+07 9.169E+07 8.846E+07 8.584E+07 8.284E+07
ADS ON SOIL 5.543E+08 5.506E+08 5.471E+08 5.393E+08 5.366E+08 5.352E+08 5.374E+08 5.391E+08 5.407E+08 5.430E+08 5.436E+08 5.437E+08
IN SOIL AIR 1.641E+08 1.591E+08 1.528E+08 1.377E+08 1.363E+08 1.391E+08 1.433E+08 1.479E+08 1.506E+08 1.515E+08 1.535E+08 1.562E+08

SUBLAYER 8

IN SOIL MOI 1.381E+08 1.513E+08 1.659E+08 1.973E+08 1.974E+08 1.894E+08 1.754E+08 1.638E+08 1.561E+08 1.506E+08 1.461E+08 1.410E+08
ADS ON SOIL 9.410E+08 9.354E+08 9.299E+08 9.173E+08 9.129E+08 9.109E+08 9.148E+08 9.176E+08 9.204E+08 9.243E+08 9.253E+08 9.256E+08
IN SOIL AIR 2.786E+08 2.702E+08 2.597E+08 2.342E+08 2.319E+08 2.367E+08 2.440E+08 2.517E+08 2.563E+08 2.579E+08 2.613E+08 2.659E+08

SUBLAYER 9

IN SOIL MOI 2.370E+08 2.600E+08 2.853E+08 3.398E+08 3.403E+08 3.269E+08 3.030E+08 2.829E+08 2.696E+08 2.601E+08 2.524E+08 2.437E+08
ADS ON SOIL 1.615E+09 1.607E+09 1.599E+09 1.580E+09 1.574E+09 1.572E+09 1.580E+09 1.585E+09 1.590E+09 1.597E+09 1.598E+09 1.599E+09
IN SOIL AIR 4.781E+08 4.641E+08 4.466E+08 4.035E+08 4.000E+08 4.086E+08 4.214E+08 4.348E+08 4.427E+08 4.454E+08 4.513E+08 4.594E+08

SUBLAYER 10

IN SOIL MOI 3.617E+08 3.972E+08 4.366E+08 5.214E+08 5.233E+08 5.036E+08 4.673E+08 4.363E+08 4.159E+08 4.013E+08 3.894E+08 3.760E+08
ADS ON SOIL 2.464E+09 2.455E+09 2.446E+09 2.424E+09 2.421E+09 2.422E+09 2.437E+09 2.445E+09 2.453E+09 2.463E+09 2.466E+09 2.468E+09
IN SOIL AIR 7.295E+08 7.091E+08 6.834E+08 6.190E+08 6.150E+08 6.294E+08 6.499E+08 6.708E+08 6.829E+08 6.871E+08 6.963E+08 7.089E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.872E+06 3.403E+07 3.628E+07 2.817E+07 1.483E+07 6.214E+06 2.286E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 2.150E-01 2.133E-01 2.116E-01 2.086E-01 2.078E-01 2.073E-01 2.082E-01 2.089E-01 2.096E-01 2.105E-01 2.107E-01 2.107E-01
%SOLUBILITY 8.958E-02 8.887E-02 8.817E-02 8.692E-02 8.656E-02 8.639E-02 8.676E-02 8.706E-02 8.734E-02 8.771E-02 8.780E-02 8.780E-02
ADSORBED 7.278E-02 7.220E-02 7.163E-02 7.062E-02 7.033E-02 7.019E-02 7.049E-02 7.073E-02 7.096E-02 7.126E-02 7.133E-02 7.133E-02
SOIL AIR 1.559E-01 1.566E-01 1.569E-01 1.567E-01 1.557E-01 1.552E-01 1.529E-01 1.522E-01 1.514E-01 1.497E-01 1.498E-01 1.503E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.720E-01 1.707E-01 1.695E-01 1.671E-01 1.663E-01 1.660E-01 1.667E-01 1.672E-01 1.677E-01 1.684E-01 1.686E-01 1.686E-01
%SOLUBILITY 7.168E-02 7.114E-02 7.061E-02 6.961E-02 6.930E-02 6.915E-02 6.944E-02 6.967E-02 6.989E-02 7.018E-02 7.025E-02 7.026E-02
ADSORBED 5.824E-02 5.780E-02 5.737E-02 5.655E-02 5.630E-02 5.618E-02 5.641E-02 5.661E-02 5.678E-02 5.702E-02 5.708E-02 5.708E-02
SOIL AIR 1.248E-01 1.254E-01 1.257E-01 1.255E-01 1.247E-01 1.242E-01 1.223E-01 1.218E-01 1.211E-01 1.198E-01 1.199E-01 1.203E-01

SUBLAYER 2

MOISTURE 2.167E-01 2.151E-01 2.135E-01 2.104E-01 2.095E-01 2.090E-01 2.099E-01 2.106E-01 2.112E-01 2.121E-01 2.123E-01 2.124E-01
%SOLUBILITY 9.029E-02 8.961E-02 8.895E-02 8.769E-02 8.728E-02 8.709E-02 8.745E-02 8.774E-02 8.802E-02 8.839E-02 8.848E-02 8.849E-02
ADSORBED 7.336E-02 7.281E-02 7.227E-02 7.124E-02 7.091E-02 7.076E-02 7.105E-02 7.129E-02 7.151E-02 7.181E-02 7.188E-02 7.189E-02
SOIL AIR 1.571E-01 1.580E-01 1.583E-01 1.580E-01 1.570E-01 1.564E-01 1.541E-01 1.534E-01 1.526E-01 1.509E-01 1.509E-01 1.515E-01

SUBLAYER 3

MOISTURE 2.803E-01 2.782E-01 2.762E-01 2.723E-01 2.710E-01 2.704E-01 2.715E-01 2.724E-01 2.732E-01 2.744E-01 2.747E-01 2.747E-01
%SOLUBILITY 1.168E-01 1.159E-01 1.151E-01 1.134E-01 1.129E-01 1.127E-01 1.131E-01 1.135E-01 1.138E-01 1.143E-01 1.144E-01 1.145E-01
ADSORBED 9.489E-02 9.419E-02 9.350E-02 9.217E-02 9.174E-02 9.153E-02 9.190E-02 9.221E-02 9.250E-02 9.289E-02 9.298E-02 9.300E-02
SOIL AIR 2.033E-01 2.044E-01 2.048E-01 2.045E-01 2.031E-01 2.023E-01 1.993E-01 1.984E-01 1.973E-01 1.952E-01 1.952E-01 1.959E-01

SUBLAYER 4

MOISTURE 3.749E-01 3.722E-01 3.695E-01 3.642E-01 3.625E-01 3.616E-01 3.631E-01 3.643E-01 3.654E-01 3.670E-01 3.674E-01 3.674E-01
%SOLUBILITY 1.562E-01 1.551E-01 1.540E-01 1.518E-01 1.510E-01 1.507E-01 1.513E-01 1.518E-01 1.523E-01 1.529E-01 1.531E-01 1.531E-01
ADSORBED 1.269E-01 1.260E-01 1.251E-01 1.233E-01 1.227E-01 1.224E-01 1.229E-01 1.233E-01 1.237E-01 1.242E-01 1.244E-01 1.244E-01
SOIL AIR 2.719E-01 2.734E-01 2.740E-01 2.735E-01 2.717E-01 2.706E-01 2.666E-01 2.653E-01 2.639E-01 2.610E-01 2.611E-01 2.621E-01

SUBLAYER 5

MOISTURE 5.236E-01 5.199E-01 5.162E-01 5.088E-01 5.063E-01 5.051E-01 5.071E-01 5.088E-01 5.104E-01 5.125E-01 5.131E-01 5.132E-01
%SOLUBILITY 2.182E-01 2.166E-01 2.151E-01 2.120E-01 2.110E-01 2.105E-01 2.113E-01 2.120E-01 2.127E-01 2.136E-01 2.138E-01 2.138E-01
ADSORBED 1.773E-01 1.760E-01 1.748E-01 1.723E-01 1.714E-01 1.710E-01 1.717E-01 1.722E-01 1.728E-01 1.735E-01 1.737E-01 1.737E-01
SOIL AIR 3.797E-01 3.818E-01 3.828E-01 3.821E-01 3.796E-01 3.780E-01 3.723E-01 3.706E-01 3.686E-01 3.645E-01 3.647E-01 3.660E-01

SUBLAYER 6

MOISTURE 7.738E-01 7.684E-01 7.632E-01 7.523E-01 7.485E-01 7.466E-01 7.496E-01 7.520E-01 7.543E-01 7.575E-01 7.583E-01 7.585E-01
%SOLUBILITY 3.224E-01 3.202E-01 3.180E-01 3.134E-01 3.119E-01 3.111E-01 3.123E-01 3.133E-01 3.143E-01 3.156E-01 3.160E-01 3.160E-01
ADSORBED 2.619E-01 2.601E-01 2.584E-01 2.547E-01 2.534E-01 2.527E-01 2.538E-01 2.546E-01 2.553E-01 2.564E-01 2.567E-01 2.568E-01
SOIL AIR 5.611E-01 5.644E-01 5.660E-01 5.650E-01 5.611E-01 5.587E-01 5.503E-01 5.477E-01 5.448E-01 5.388E-01 5.390E-01 5.409E-01

SUBLAYER 7

MOISTURE 1.226E+00 1.218E+00 1.211E+00 1.193E+00 1.187E+00 1.184E+00 1.189E+00 1.193E+00 1.196E+00 1.201E+00 1.203E+00 1.203E+00
%SOLUBILITY 5.110E-01 5.077E-01 5.044E-01 4.972E-01 4.947E-01 4.935E-01 4.954E-01 4.970E-01 4.985E-01 5.006E-01 5.011E-01 5.013E-01
ADSORBED 4.152E-01 4.125E-01 4.098E-01 4.040E-01 4.019E-01 4.009E-01 4.025E-01 4.038E-01 4.050E-01 4.067E-01 4.072E-01 4.073E-01
SOIL AIR 8.894E-01 8.949E-01 8.977E-01 8.962E-01 8.900E-01 8.862E-01 8.729E-01 8.687E-01 8.641E-01 8.546E-01 8.549E-01 8.580E-01

SUBLAYER 8

MOISTURE 2.082E+00 2.070E+00 2.058E+00 2.030E+00 2.020E+00 2.016E+00 2.024E+00 2.030E+00 2.037E+00 2.045E+00 2.047E+00 2.048E+00
%SOLUBILITY 8.675E-01 8.624E-01 8.573E-01 8.457E-01 8.417E-01 8.398E-01 8.434E-01 8.460E-01 8.486E-01 8.522E-01 8.531E-01 8.534E-01
ADSORBED 7.048E-01 7.006E-01 6.965E-01 6.871E-01 6.838E-01 6.823E-01 6.852E-01 6.873E-01 6.894E-01 6.923E-01 6.931E-01 6.933E-01
SOIL AIR 1.510E+00 1.520E+00 1.526E+00 1.524E+00 1.514E+00 1.508E+00 1.486E+00 1.479E+00 1.471E+00 1.455E+00 1.455E+00 1.461E+00

SUBLAYER 9

MOISTURE 3.573E+00 3.555E+00 3.538E+00 3.496E+00 3.483E+00 3.479E+00 3.496E+00 3.507E+00 3.518E+00 3.533E+00 3.537E+00 3.539E+00
%SOLUBILITY 1.489E+00 1.481E+00 1.474E+00 1.457E+00 1.451E+00 1.450E+00 1.457E+00 1.461E+00 1.466E+00 1.472E+00 1.474E+00 1.474E+00
ADSORBED 1.209E+00 1.203E+00 1.198E+00 1.183E+00 1.179E+00 1.178E+00 1.183E+00 1.187E+00 1.191E+00 1.196E+00 1.197E+00 1.198E+00
SOIL AIR 2.591E+00 2.611E+00 2.624E+00 2.626E+00 2.611E+00 2.603E+00 2.566E+00 2.554E+00 2.541E+00 2.513E+00 2.514E+00 2.524E+00

SUBLAYER 10

MOISTURE 5.452E+00 5.431E+00 5.413E+00 5.364E+00 5.356E+00 5.360E+00 5.391E+00 5.410E+00 5.427E+00 5.450E+00 5.457E+00 5.460E+00
%SOLUBILITY 2.271E+00 2.263E+00 2.255E+00 2.235E+00 2.232E+00 2.233E+00 2.246E+00 2.254E+00 2.261E+00 2.271E+00 2.274E+00 2.275E+00
ADSORBED 1.845E+00 1.839E+00 1.832E+00 1.816E+00 1.813E+00 1.814E+00 1.825E+00 1.831E+00 1.837E+00 1.845E+00 1.847E+00 1.848E+00
SOIL AIR 3.953E+00 3.989E+00 4.014E+00 4.028E+00 4.015E+00 4.011E+00 3.958E+00 3.940E+00 3.919E+00 3.876E+00 3.879E+00 3.894E+00

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 1.121E-03 1.324E-02 1.410E-02 1.096E-02 5.775E-03 2.422E-03 8.916E-04 0.000E+00 0.000E+00 0.000E+00

1 YEAR - 130 ANNUAL SUMMARY REPORT
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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 (%) 8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 8.992
TOTAL PRECIPITATION (CM) 32.338
TOTAL INFILTRATION (CM) 25.841
TOTAL EVAPOTRANSPIRATION (CM) 24.575
TOTAL SURFACE RUNOFF (CM) 6.491
TOTAL GRW RUNOFF (CM) 1.265
TOTAL MOISTURE RETENTION (CM) 0.001
TOTAL YIELD (CM) 7.763
0 -- 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

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SUBLAYER 5

SUBLAYER 6

SUBLAYER 7

SUBLAYER 8

SUBLAYER 9

SUBLAYER 10

TOTAL IN GROUNDWATER RUNOFF 1.247E+08
1 -- AVERAGE POLLUTANT CONCENTRATIONS -- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.102E-01
ADSORBED SOIL (UG/G) 7.115E-02
SOIL AIR (UG/ML) 1.536E-01

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.682E-01
ADSORBED SOIL (UG/G) 5.695E-02
SOIL AIR (UG/ML) 1.229E-01

SUBLAYER 2

SOIL MOISTURE (UG/ML) 2.119E-01
ADSORBED SOIL (UG/G) 7.173E-02
SOIL AIR (UG/ML) 1.549E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 2.741E-01
ADSORBED SOIL (UG/G) 9.279E-02
SOIL AIR (UG/ML) 2.003E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 3.666E-01
ADSORBED SOIL (UG/G) 1.241E-01
SOIL AIR (UG/ML) 2.679E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 5.121E-01
ADSORBED SOIL (UG/G) 1.734E-01
SOIL AIR (UG/ML) 3.742E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 7.569E-01
ADSORBED SOIL (UG/G) 2.562E-01

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                SOIL AIR (UG/ML)      5.531E-01

    SUBLAYER  7

                SOIL MOISTURE (UG/ML)  1.200E+00
                ADSORBED SOIL (UG/G)   4.064E-01
                SOIL AIR (UG/ML)       8.773E-01

    SUBLAYER  8

                SOIL MOISTURE (UG/ML)  2.042E+00
                ADSORBED SOIL (UG/G)   6.913E-01
                SOIL AIR (UG/ML)       1.492E+00

    SUBLAYER  9

                SOIL MOISTURE (UG/ML)  3.521E+00
                ADSORBED SOIL (UG/G)   1.192E+00
                SOIL AIR (UG/ML)       2.573E+00

    SUBLAYER 10

                SOIL MOISTURE (UG/ML)  5.414E+00
                ADSORBED SOIL (UG/G)   1.833E+00
                SOIL AIR (UG/ML)       3.957E+00


                MAX. POLL. DEPTH (M)   1.828E+01


  AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)   4.042E-03
1

   YEAR - 140   MONTHLY RESULTS (OUTPUT)
   ========   ========================

   -- HYDROLOGIC CYCLE COMPONENTS --


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

MOIS. IN L1 (%)      7.405  8.161  9.001 10.849 10.905 10.485  9.673  9.001  8.553  8.217  7.965  7.685
MOIS. BELOW L1 (%)   7.405  8.161  9.001 10.849 10.905 10.485  9.673  9.001  8.553  8.217  7.965  7.685
PRECIPATION (CM)     0.577  3.988  4.381  8.036  6.021  4.888  2.542  0.512  0.090  0.051  0.566  0.685
NET INFILT. (CM)     0.490  3.313  3.723  6.362  4.615  4.066  2.266  0.407  0.068  0.044  0.094  0.392
EVAPOTRANS. (CM)     1.064  2.241  2.405  3.094  4.046  4.331  3.306  1.349  0.720  0.570  0.535  0.913
MOIS. RETEN (CM)    -0.427  1.152  1.280  2.815  0.085 -0.640 -1.237 -1.024 -0.682 -0.512 -0.384 -0.427
SUR. RUNOFF (CM)     0.087  0.675  0.658  1.675  1.406  0.822  0.276  0.105  0.022  0.000  0.472  0.293
GRW. RUNOFF (CM)    -0.148 -0.080  0.038  0.453  0.483  0.375  0.196  0.082  0.030 -0.014 -0.057 -0.095
YIELD (CM)          -0.061  0.595  0.696  2.128  1.889  1.197  0.472  0.187  0.052 -0.007  0.415  0.199

PAU/MPA (GZU)        1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008
PA/MPA (GZ)          1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008

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


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

SUBLAYER 1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 7.021E+07 7.675E+07 8.399E+07 9.980E+07 9.990E+07 9.587E+07 8.882E+07 8.293E+07 7.906E+07 7.627E+07 7.401E+07 7.141E+07
ADS ON SOIL 4.782E+08 4.744E+08 4.707E+08 4.640E+08 4.621E+08 4.612E+08 4.631E+08 4.647E+08 4.662E+08 4.682E+08 4.687E+08 4.687E+08
IN SOIL AIR 1.416E+08 1.370E+08 1.315E+08 1.185E+08 1.174E+08 1.198E+08 1.235E+08 1.275E+08 1.298E+08 1.306E+08 1.323E+08 1.346E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 9.079E+06 9.930E+06 1.087E+07 1.292E+07 1.293E+07 1.240E+07 1.149E+07 1.073E+07 1.022E+07 9.864E+06 9.571E+06 9.235E+06
ADS ON SOIL 6.184E+07 6.137E+07 6.092E+07 6.005E+07 5.978E+07 5.966E+07 5.990E+07 6.011E+07 6.030E+07 6.055E+07 6.061E+07 6.061E+07
IN SOIL AIR 1.831E+07 1.773E+07 1.702E+07 1.534E+07 1.519E+07 1.550E+07 1.598E+07 1.649E+07 1.679E+07 1.689E+07 1.711E+07 1.741E+07

SUBLAYER 2

IN SOIL MOI 1.144E+07 1.251E+07 1.369E+07 1.627E+07 1.628E+07 1.562E+07 1.447E+07 1.351E+07 1.288E+07 1.242E+07 1.205E+07 1.163E+07
ADS ON SOIL 7.790E+07 7.731E+07 7.674E+07 7.565E+07 7.530E+07 7.513E+07 7.544E+07 7.569E+07 7.593E+07 7.625E+07 7.633E+07 7.634E+07
IN SOIL AIR 2.306E+07 2.233E+07 2.144E+07 1.932E+07 1.913E+07 1.952E+07 2.012E+07 2.077E+07 2.114E+07 2.127E+07 2.155E+07 2.193E+07

SUBLAYER 3

IN SOIL MOI 1.479E+07 1.618E+07 1.772E+07 2.105E+07 2.106E+07 2.020E+07 1.872E+07 1.747E+07 1.665E+07 1.607E+07 1.559E+07 1.505E+07
ADS ON SOIL 1.008E+08 1.000E+08 9.929E+07 9.787E+07 9.741E+07 9.719E+07 9.759E+07 9.791E+07 9.822E+07 9.863E+07 9.873E+07 9.875E+07
IN SOIL AIR 2.984E+07 2.889E+07 2.773E+07 2.499E+07 2.475E+07 2.525E+07 2.603E+07 2.686E+07 2.735E+07 2.751E+07 2.788E+07 2.837E+07

SUBLAYER 4

IN SOIL MOI 1.979E+07 2.165E+07 2.371E+07 2.817E+07 2.818E+07 2.703E+07 2.504E+07 2.337E+07 2.228E+07 2.149E+07 2.086E+07 2.013E+07
ADS ON SOIL 1.348E+08 1.338E+08 1.329E+08 1.310E+08 1.303E+08 1.300E+08 1.305E+08 1.310E+08 1.314E+08 1.319E+08 1.321E+08 1.321E+08
IN SOIL AIR 3.991E+07 3.866E+07 3.711E+07 3.344E+07 3.311E+07 3.378E+07 3.482E+07 3.593E+07 3.658E+07 3.681E+07 3.729E+07 3.794E+07

SUBLAYER 5

IN SOIL MOI 2.765E+07 3.025E+07 3.313E+07 3.936E+07 3.937E+07 3.776E+07 3.498E+07 3.265E+07 3.112E+07 3.003E+07 2.914E+07 2.812E+07
ADS ON SOIL 1.883E+08 1.870E+08 1.857E+08 1.830E+08 1.821E+08 1.817E+08 1.824E+08 1.830E+08 1.835E+08 1.843E+08 1.845E+08 1.846E+08
IN SOIL AIR 5.576E+07 5.401E+07 5.186E+07 4.673E+07 4.627E+07 4.720E+07 4.865E+07 5.020E+07 5.111E+07 5.142E+07 5.210E+07 5.301E+07

SUBLAYER 6

IN SOIL MOI 4.092E+07 4.479E+07 4.906E+07 5.828E+07 5.829E+07 5.590E+07 5.178E+07 4.834E+07 4.607E+07 4.445E+07 4.313E+07 4.162E+07
ADS ON SOIL 2.787E+08 2.768E+08 2.749E+08 2.710E+08 2.696E+08 2.689E+08 2.700E+08 2.709E+08 2.717E+08 2.728E+08 2.731E+08 2.732E+08
IN SOIL AIR 8.254E+07 7.996E+07 7.680E+07 6.920E+07 6.850E+07 6.988E+07 7.201E+07 7.431E+07 7.565E+07 7.611E+07 7.711E+07 7.847E+07

SUBLAYER 7

IN SOIL MOI 6.530E+07 7.150E+07 7.834E+07 9.307E+07 9.307E+07 8.926E+07 8.267E+07 7.717E+07 7.355E+07 7.096E+07 6.886E+07 6.646E+07
ADS ON SOIL 4.448E+08 4.419E+08 4.390E+08 4.327E+08 4.305E+08 4.294E+08 4.311E+08 4.324E+08 4.338E+08 4.356E+08 4.361E+08 4.362E+08
IN SOIL AIR 1.317E+08 1.276E+08 1.226E+08 1.105E+08 1.094E+08 1.116E+08 1.150E+08 1.186E+08 1.208E+08 1.215E+08 1.231E+08 1.253E+08

SUBLAYER 8

SOIL MOI 1.137E+08 1.246E+08 1.366E+08 1.623E+08 1.623E+08 1.557E+08 1.442E+08 1.346E+08 1.283E+08 1.238E+08 1.201E+08 1.160E+08
ADS ON SOIL 7.746E+08 7.699E+08 7.653E+08 7.547E+08 7.509E+08 7.491E+08 7.522E+08 7.545E+08 7.568E+08 7.600E+08 7.608E+08 7.611E+08
IN SOIL AIR 2.294E+08 2.224E+08 2.138E+08 1.927E+08 1.908E+08 1.946E+08 2.006E+08 2.070E+08 2.107E+08 2.120E+08 2.148E+08 2.186E+08

SUBLAYER 9

IN SOIL MOI 2.081E+08 2.282E+08 2.504E+08 2.980E+08 2.983E+08 2.863E+08 2.654E+08 2.477E+08 2.361E+08 2.278E+08 2.210E+08 2.134E+08
ADS ON SOIL 1.418E+09 1.410E+09 1.403E+09 1.386E+09 1.380E+09 1.377E+09 1.384E+09 1.388E+09 1.392E+09 1.398E+09 1.400E+09 1.400E+09
IN SOIL AIR 4.197E+08 4.074E+08 3.920E+08 3.538E+08 3.505E+08 3.579E+08 3.691E+08 3.808E+08 3.877E+08 3.900E+08 3.952E+08 4.023E+08

SUBLAYER 10

IN SOIL MOI 3.544E+08 3.890E+08 4.275E+08 5.101E+08 5.116E+08 4.919E+08 4.563E+08 4.260E+08 4.060E+08 3.917E+08 3.802E+08 3.670E+08
ADS ON SOIL 2.414E+09 2.404E+09 2.396E+09 2.372E+09 2.366E+09 2.366E+09 2.379E+09 2.387E+09 2.394E+09 2.405E+09 2.407E+09 2.409E+09
IN SOIL AIR 7.147E+08 6.945E+08 6.692E+08 6.056E+08 6.011E+08 6.148E+08 6.345E+08 6.548E+08 6.667E+08 6.708E+08 6.797E+08 6.920E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.813E+06 3.331E+07 3.547E+07 2.753E+07 1.448E+07 6.066E+06 2.232E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 1.710E-01 1.696E-01 1.683E-01 1.659E-01 1.652E-01 1.649E-01 1.656E-01 1.662E-01 1.667E-01 1.674E-01 1.676E-01 1.676E-01
%SOLUBILITY 7.125E-02 7.068E-02 7.013E-02 6.914E-02 6.885E-02 6.872E-02 6.901E-02 6.925E-02 6.947E-02 6.976E-02 6.983E-02 6.983E-02
ADSORBED 5.789E-02 5.743E-02 5.698E-02 5.617E-02 5.594E-02 5.583E-02 5.606E-02 5.626E-02 5.644E-02 5.668E-02 5.673E-02 5.674E-02
SOIL AIR 1.240E-01 1.246E-01 1.248E-01 1.246E-01 1.239E-01 1.234E-01 1.216E-01 1.210E-01 1.204E-01 1.191E-01 1.191E-01 1.195E-01

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.368E-01 1.358E-01 1.348E-01 1.329E-01 1.323E-01 1.320E-01 1.326E-01 1.330E-01 1.334E-01 1.340E-01 1.341E-01 1.341E-01
%SOLUBILITY 5.702E-02 5.658E-02 5.616E-02 5.537E-02 5.512E-02 5.500E-02 5.523E-02 5.542E-02 5.559E-02 5.582E-02 5.588E-02 5.588E-02
ADSORBED 4.632E-02 4.597E-02 4.563E-02 4.498E-02 4.478E-02 4.468E-02 4.487E-02 4.502E-02 4.516E-02 4.535E-02 4.540E-02 4.540E-02
SOIL AIR 9.923E-02 9.974E-02 9.996E-02 9.979E-02 9.917E-02 9.877E-02 9.730E-02 9.687E-02 9.636E-02 9.529E-02 9.533E-02 9.565E-02

SUBLAYER 2

MOISTURE 1.724E-01 1.711E-01 1.698E-01 1.674E-01 1.666E-01 1.662E-01 1.669E-01 1.675E-01 1.680E-01 1.687E-01 1.689E-01 1.689E-01
%SOLUBILITY 7.182E-02 7.128E-02 7.075E-02 6.974E-02 6.942E-02 6.927E-02 6.955E-02 6.979E-02 7.000E-02 7.030E-02 7.037E-02 7.038E-02
ADSORBED 5.835E-02 5.791E-02 5.748E-02 5.666E-02 5.640E-02 5.628E-02 5.651E-02 5.670E-02 5.688E-02 5.712E-02 5.717E-02 5.718E-02
SOIL AIR 1.250E-01 1.256E-01 1.259E-01 1.257E-01 1.249E-01 1.244E-01 1.225E-01 1.220E-01 1.213E-01 1.200E-01 1.201E-01 1.205E-01

SUBLAYER 3

MOISTURE 2.230E-01 2.213E-01 2.197E-01 2.166E-01 2.155E-01 2.151E-01 2.159E-01 2.167E-01 2.173E-01 2.182E-01 2.185E-01 2.185E-01
%SOLUBILITY 9.290E-02 9.221E-02 9.154E-02 9.023E-02 8.981E-02 8.960E-02 8.997E-02 9.027E-02 9.055E-02 9.093E-02 9.103E-02 9.104E-02
ADSORBEO 7.548E-02 7.492E-02 7.437E-02 7.331E-02 7.297E-02 7.280E-02 7.310E-02 7.334E-02 7.357E-02 7.388E-02 7.396E-02 7.397E-02
SOIL AIR 1.617E-01 1.625E-01 1.629E-01 1.626E-01 1.616E-01 1.609E-01 1.585E-01 1.578E-01 1.570E-01 1.552E-01 1.553E-01 1.558E-01

SUBLAYER 4

MOISTURE 2.983E-01 2.961E-01 2.940E-01 2.898E-01 2.884E-01 2.877E-01 2.889E-01 2.898E-01 2.907E-01 2.919E-01 2.922E-01 2.923E-01
%SOLUBILITY 1.243E-01 1.234E-01 1.225E-01 1.207E-01 1.202E-01 1.199E-01 1.204E-01 1.208E-01 1.211E-01 1.216E-01 1.218E-01 1.218E-01
ADSORBED 1.010E-01 1.002E-01 9.951E-02 9.809E-02 9.762E-02 9.739E-02 9.779E-02 9.811E-02 9.841E-02 9.883E-02 9.893E-02 9.895E-02
SOIL AIR 2.163E-01 2.175E-01 2.180E-01 2.176E-01 2.162E-01 2.153E-01 2.120E-01 2.111E-01 2.100E-01 2.076E-01 2.077E-01 2.085E-01

SUBLAYER 5

MOISTURE 4.167E-01 4.137E-01 4.108E-01 4.049E-01 4.029E-01 4.020E-01 4.036E-01 4.049E-01 4.061E-01 4.079E-01 4.083E-01 4.084E-01
%SOLUBILITY 1.736E-01 1.724E-01 1.712E-01 1.687E-01 1.679E-01 1.675E-01 1.682E-01 1.687E-01 1.692E-01 1.699E-01 1.701E-01 1.701E-01
AOSORBEO 1.411E-01 1.401E-01 1.391E-01 1.371E-01 1.364E-01 1.361E-01 1.366E-01 1.371E-01 1.375E-01 1.381E-01 1.382E-01 1.382E-01
SOIL AIR 3.022E-01 3.039E-01 3.047E-01 3.041E-01 3.021E-01 3.008E-01 2.963E-01 2.949E-01 2.933E-01 2.901E-01 2.902E-01 2.912E-01

SUBLAYER 6

MOISTURE 6.168E-01 6.125E-01 6.083E-01 5.996E-01 5.965E-01 5.950E-01 5.974E-01 5.993E-01 6.012E-01 6.037E-01 6.043E-01 6.045E-01
%SOLUBILITY 2.570E-01 2.552E-01 2.535E-01 2.498E-01 2.486E-01 2.479E-01 2.489E-01 2.497E-01 2.505E-01 2.515E-01 2.518E-01 2.519E-01
AOSORBEO 2.088E-01 2.073E-01 2.059E-01 2.030E-01 2.019E-01 2.014E-01 2.022E-01 2.029E-01 2.035E-01 2.044E-01 2.046E-01 2.046E-01
SOIL AIR 4.473E-01 4.499E-01 4.511E-01 4.503E-01 4.472E-01 4.453E-01 4.385E-01 4.365E-01 4.342E-01 4.294E-01 4.296E-01 4.311E-01

SUBLAYER 7

MOISTURE 9.842E-01 9.777E-01 9.713E-01 9.575E-01 9.525E-01 9.501E-01 9.539E-01 9.569E-01 9.598E-01 9.638E-01 9.649E-01 9.651E-01
%SOLUBILITY 4.101E-01 4.074E-01 4.047E-01 3.990E-01 3.969E-01 3.959E-01 3.974E-01 3.987E-01 3.999E-01 4.016E-01 4.020E-01 4.021E-01
AOSORBEO 3.332E-01 3.310E-01 3.288E-01 3.241E-01 3.224E-01 3.216E-01 3.229E-01 3.239E-01 3.249E-01 3.263E-01 3.266E-01 3.267E-01
SOIL AIR 7.137E-01 7.181E-01 7.203E-01 7.191E-01 7.141E-01 7.109E-01 7.002E-01 6.969E-01 6.932E-01 6.855E-01 6.858E-01 6.883E-01

SUBLAYER 8

MOISTURE 1.714E+00 1.704E+00 1.693E+00 1.670E+00 1.662E+00 1.658E+00 1.664E+00 1.669E+00 1.674E+00 1.682E+00 1.683E+00 1.684E+00
%SOLUBILITY 7.142E-01 7.099E-01 7.056E-01 6.958E-01 6.923E-01 6.906E-01 6.935E-01 6.956E-01 6.977E-01 7.007E-01 7.014E-01 7.017E-01
ADSORBEO 5.802E-01 5.767E-01 5.733E-01 5.653E-01 5.625E-01 5.611E-01 5.634E-01 5.651E-01 5.668E-01 5.692E-01 5.699E-01 5.701E-01
SOIL AIR 1.243E+00 1.251E+00 1.256E+00 1.254E+00 1.246E+00 1.240E+00 1.222E+00 1.216E+00 1.209E+00 1.196E+00 1.197E+00 1.201E+00

SUBLAYER 9

MOISTURE 3.137E+00 3.120E+00 3.105E+00 3.066E+00 3.053E+00 3.048E+00 3.062E+00 3.071E+00 3.081E+00 3.094E+00 3.097E+00 3.099E+00
%SOLUBILITY 1.307E+00 1.300E+00 1.294E+00 1.277E+00 1.272E+00 1.270E+00 1.276E+00 1.280E+00 1.284E+00 1.289E+00 1.291E+00 1.291E+00
ADSORBED 1.062E+00 1.056E+00 1.051E+00 1.038E+00 1.033E+00 1.032E+00 1.036E+00 1.040E+00 1.043E+00 1.047E+00 1.048E+00 1.049E+00
SOIL AIR 2.275E+00 2.292E+00 2.303E+00 2.303E+00 2.289E+00 2.281E+00 2.248E+00 2.237E+00 2.225E+00 2.200E+00 2.202E+00 2.210E+00

SUBLAYER 10

MOISTURE 5.341E+00 5.320E+00 5.301E+00 5.248E+00 5.235E+00 5.236E+00 5.264E+00 5.282E+00 5.298E+00 5.320E+00 5.327E+00 5.330E+00
%SOLUBILITY 2.225E+00 2.217E+00 2.209E+00 2.187E+00 2.181E+00 2.181E+00 2.193E+00 2.201E+00 2.207E+00 2.217E+00 2.219E+00 2.221E+00
ADSORBED 1.808E+00 1.801E+00 1.794E+00 1.776E+00 1.772E+00 1.772E+00 1.782E+00 1.788E+00 1.793E+00 1.801E+00 1.803E+00 1.804E+00
SOIL AIR 3.873E+00 3.907E+00 3.931E+00 3.941E+00 3.925E+00 3.918E+00 3.864E+00 3.847E+00 3.826E+00 3.784E+00 3.786E+00 3.802E+00

POL DEP CM 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03

-- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC. 0.000E+00 0.000E+00 1.097E-03 1.295E-02 1.378E-02 1.071E-02 5.639E-03 2.364E-03 8.704E-04 0.000E+00 0.000E+00 0.000E+00
1 YEAR - 140 ANNUAL SUMMARY REPORT
==========

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE 0.000E+00

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SOIL ZONE 2          0.000E+00
 OIL ZONE 3          0.000E+00
 OWER SOIL ZONE          0.000E+00


      -- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)          8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)       8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                 25.841
TOTAL EVAPOTRANSPIRATION (CM)              24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                  1.265
TOTAL MOISTURE RETENTION (CM)              0.001
TOTAL YIELD (CM)                    7.763
0       -- 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)
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   UPPER SOIL ZONE:

      SUBLAYER  1


   SOIL ZONE 2:

      SUBLAYER  1


   SOIL ZONE 3:

      SUBLAYER  1


   LOWER SOIL ZONE:

      SUBLAYER  1

      SUBLAYER  2

      SUBLAYER  3

      SUBLAYER  4

      SUBLAYER  5

      SUBLAYER  6

      SUBLAYER  7

      SUBLAYER  8

      SUBLAYER  9

      SUBLAYER 10

         TOTAL IN GROUNDWATER RUNOFF      1.219E+08
```

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

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.672E-01
ADSORBED SOIL (UG/G) 5.659E-02
SOIL AIR (UG/ML) 1.222E-01

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.338E-01
ADSORBED SOIL (UG/G) 4.530E-02
SOIL AIR (UG/ML) 9.779E-02

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.685E-01
ADSORBED SOIL (UG/G) 5.705E-02
SOIL AIR (UG/ML) 1.232E-01

SUBLAYER 3

SOIL MOISTURE (UG/ML) 2.180E-01
ADSORBED SOIL (UG/G) 7.380E-02
SOIL AIR (UG/ML) 1.593E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 2.917E-01
ADSORBED SOIL (UG/G) 9.874E-02
SOIL AIR (UG/ML) 2.131E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 4.075E-01
ADSORBED SOIL (UG/G) 1.380E-01
SOIL AIR (UG/ML) 2.978E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 6.033E-01
ADSORBED SOIL (UG/G) 2.042E-01
SOIL AIR (UG/ML) 4.409E-01

SUBLAYER 7

SOIL MOISTURE (UG/ML) 9.631E-01
ADSORBED SOIL (UG/G) 3.260E-01

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                SOIL AIR (UG/ML)      7.039E-01

    SUBLAYER  8

                SOIL MOISTURE (UG/ML) 1.680E+00
                ADSORBED SOIL (UG/G)  5.686E-01
                SOIL AIR (UG/ML)      1.228E+00

    SUBLAYER  9

                SOIL MOISTURE (UG/ML) 3.086E+00
                ADSORBED SOIL (UG/G)  1.045E+00
                SOIL AIR (UG/ML)      2.255E+00

    SUBLAYER 10

                SOIL MOISTURE (UG/ML) 5.292E+00
                ADSORBED SOIL (UG/G)  1.791E+00
                SOIL AIR (UG/ML)      3.867E+00

                MAX. POLL. DEPTH (M)  1.828E+01

  AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)  3.951E-03
1

   YEAR - 150   MONTHLY RESULTS (OUTPUT)
   ========   ========================


   -- HYDROLOGIC CYCLE COMPONENTS --


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

 MOIS. IN L1 (%)      7.405  8.161  9.001 10.849 10.905 10.485  9.673  9.001  8.553  8.217  7.965  7.685
 MOIS. BELOW L1 (%)   7.405  8.161  9.001 10.849 10.905 10.485  9.673  9.001  8.553  8.217  7.965  7.685
 PRECIPATION (CM)     0.577  3.988  4.381  8.036  6.021  4.888  2.542  0.512  0.090  0.051  0.566  0.685
 NET INFILT. (CM)     0.490  3.313  3.723  6.362  4.615  4.066  2.266  0.407  0.068  0.044  0.094  0.392
 EVAPOTRANS. (CM)     1.064  2.241  2.405  3.094  4.046  4.331  3.306  1.349  0.720  0.570  0.535  0.913
 MOIS. RETEN (CM)    -0.427  1.152  1.280  2.815  0.085 -0.640 -1.237 -1.024 -0.682 -0.512 -0.384 -0.427
 SUR. RUNOFF (CM)     0.087  0.675  0.658  1.675  1.406  0.822  0.276  0.105  0.022  0.000  0.472  0.293
 GRW. RUNOFF (CM)    -0.148 -0.080  0.038  0.453  0.483  0.375  0.196  0.082  0.030 -0.014 -0.057 -0.095
 YIELD (CM)          -0.061  0.595  0.696  2.128  1.889  1.197  0.472  0.187  0.052 -0.007  0.415  0.199

 PAU/MPA (GZU)        1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008
 PA/MPA (GZ)          1.088  0.992  0.998  0.992  1.000  0.998  1.001  1.138  1.002  1.705  2.177  1.008

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


          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 IS ZERO EACH MONTH, IT IS NOT PRINTED
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UPPER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 2.907E-01 3.204E-01 3.533E-01 4.259E-01 4.281E-01 4.116E-01 3.797E-01 3.533E-01 3.358E-01 3.226E-01 3.127E-01 3.017E-01
ADS ON SOIL 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00 1.980E+00
IN SOIL AIR 5.863E-01 5.720E-01 5.531E-01 5.056E-01 5.031E-01 5.145E-01 5.281E-01 5.432E-01 5.514E-01 5.524E-01 5.590E-01 5.688E-01

SOIL ZONE 2:

SUBLAYER 1

IN SOIL MOI 2.830E-01 3.119E-01 3.440E-01 4.147E-01 4.168E-01 4.007E-01 3.697E-01 3.440E-01 3.269E-01 3.141E-01 3.044E-01 2.937E-01
ADS ON SOIL 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00 1.928E+00
IN SOIL AIR 5.708E-01 5.569E-01 5.385E-01 4.923E-01 4.898E-01 5.009E-01 5.142E-01 5.289E-01 5.368E-01 5.378E-01 5.443E-01 5.538E-01

SOIL ZONE 3:

SUBLAYER 1

IN SOIL MOI 5.583E+07 6.103E+07 6.679E+07 7.936E+07 7.944E+07 7.623E+07 7.062E+07 6.595E+07 6.286E+07 6.065E+07 5.885E+07 5.678E+07
ADS ON SOIL 3.803E+08 3.772E+08 3.743E+08 3.690E+08 3.674E+08 3.667E+08 3.683E+08 3.695E+08 3.707E+08 3.723E+08 3.727E+08 3.727E+08
IN SOIL AIR 1.126E+08 1.090E+08 1.045E+08 9.422E+07 9.335E+07 9.529E+07 9.822E+07 1.014E+08 1.032E+08 1.039E+08 1.052E+08 1.071E+08

LOWER SOIL ZONE:

SUBLAYER 1

IN SOIL MOI 7.220E+06 7.896E+06 8.644E+06 1.027E+07 1.028E+07 9.861E+06 9.135E+06 8.529E+06 8.130E+06 7.844E+06 7.611E+06 7.343E+06
ADS ON SOIL 4.918E+07 4.880E+07 4.844E+07 4.775E+07 4.754E+07 4.744E+07 4.764E+07 4.780E+07 4.795E+07 4.815E+07 4.819E+07 4.820E+07
IN SOIL AIR 1.456E+07 1.410E+07 1.353E+07 1.219E+07 1.208E+07 1.233E+07 1.271E+07 1.311E+07 1.335E+07 1.343E+07 1.361E+07 1.384E+07

SUBLAYER 2

IN SOIL MOI 9.094E+06 9.947E+06 1.089E+07 1.294E+07 1.295E+07 1.242E+07 1.150E+07 1.074E+07 1.024E+07 9.878E+06 9.585E+06 9.249E+06
ADS ON SOIL 6.194E+07 6.148E+07 6.102E+07 6.015E+07 5.988E+07 5.974E+07 5.999E+07 6.019E+07 6.038E+07 6.063E+07 6.070E+07 6.070E+07
IN SOIL AIR 1.834E+07 1.776E+07 1.705E+07 1.536E+07 1.521E+07 1.552E+07 1.600E+07 1.651E+07 1.681E+07 1.691E+07 1.714E+07 1.744E+07

SUBLAYER 3

IN SOIL MOI 1.176E+07 1.287E+07 1.409E+07 1.674E+07 1.675E+07 1.607E+07 1.488E+07 1.389E+07 1.324E+07 1.278E+07 1.240E+07 1.196E+07
ADS ON SOIL 8.013E+07 7.953E+07 7.895E+07 7.783E+07 7.746E+07 7.728E+07 7.760E+07 7.786E+07 7.810E+07 7.843E+07 7.851E+07 7.852E+07
IN SOIL AIR 2.373E+07 2.298E+07 2.205E+07 1.987E+07 1.968E+07 2.008E+07 2.070E+07 2.136E+07 2.175E+07 2.188E+07 2.217E+07 2.256E+07

SUBLAYER 4

IN SOIL MOI 1.574E+07 1.722E+07 1.885E+07 2.240E+07 2.241E+07 2.149E+07 1.991E+07 1.859E+07 1.772E+07 1.709E+07 1.659E+07 1.601E+07
ADS ON SOIL 1.072E+08 1.064E+08 1.057E+08 1.041E+08 1.036E+08 1.034E+08 1.038E+08 1.042E+08 1.045E+08 1.049E+08 1.050E+08 1.050E+08
IN SOIL AIR 3.174E+07 3.074E+07 2.951E+07 2.659E+07 2.633E+07 2.687E+07 2.769E+07 2.857E+07 2.909E+07 2.927E+07 2.965E+07 3.017E+07

SUBLAYER 5

IN SOIL MOI 2.199E+07 2.407E+07 2.636E+07 3.131E+07 3.132E+07 3.004E+07 2.782E+07 2.598E+07 2.476E+07 2.389E+07 2.318E+07 2.237E+07
ADS ON SOIL 1.498E+08 1.487E+08 1.477E+08 1.456E+08 1.449E+08 1.445E+08 1.451E+08 1.456E+08 1.460E+08 1.466E+08 1.468E+08 1.468E+08
IN SOIL AIR 4.436E+07 4.297E+07 4.126E+07 3.717E+07 3.680E+07 3.755E+07 3.870E+07 3.993E+07 4.066E+07 4.090E+07 4.144E+07 4.217E+07

SUBLAYER 6

IN SOIL MOI 3.258E+07 3.566E+07 3.906E+07 4.641E+07 4.641E+07 4.451E+07 4.122E+07 3.848E+07 3.668E+07 3.539E+07 3.434E+07 3.314E+07
ADS ON SOIL 2.219E+08 2.204E+08 2.189E+08 2.157E+08 2.147E+08 2.141E+08 2.150E+08 2.156E+08 2.163E+08 2.172E+08 2.175E+08 2.175E+08
IN SOIL AIR 6.572E+07 6.367E+07 6.115E+07 5.509E+07 5.454E+07 5.563E+07 5.733E+07 5.916E+07 6.023E+07 6.060E+07 6.140E+07 6.248E+07

SUBLAYER 7

IN SOIL MOI 5.226E+07 5.721E+07 6.268E+07 7.447E+07 7.446E+07 7.140E+07 6.613E+07 6.173E+07 5.884E+07 5.677E+07 5.508E+07 5.316E+07
ADS ON SOIL 3.559E+08 3.536E+08 3.513E+08 3.462E+08 3.444E+08 3.435E+08 3.448E+08 3.459E+08 3.470E+08 3.485E+08 3.488E+08 3.489E+08
IN SOIL AIR 1.054E+08 1.021E+08 9.812E+07 8.841E+07 8.750E+07 8.925E+07 9.198E+07 9.490E+07 9.662E+07 9.721E+07 9.849E+07 1.002E+08

SUBLAYER 8

IN SOIL MOI 9.260E+07 1.014E+08 1.112E+08 1.321E+08 1.321E+08 1.267E+08 1.173E+08 1.095E+08 1.044E+08 1.007E+08 9.773E+07 9.433E+07
DS ON SOIL 6.307E+08 6.268E+08 6.230E+08 6.143E+08 6.110E+08 6.095E+08 6.119E+08 6.138E+08 6.156E+08 6.182E+08 6.189E+08 6.191E+08
SOIL AIR 1.867E+08 1.811E+08 1.740E+08 1.569E+08 1.552E+08 1.584E+08 1.632E+08 1.684E+08 1.714E+08 1.725E+08 1.747E+08 1.778E+08

SUBLAYER 9

IN SOIL MOI 1.786E+08 1.958E+08 2.148E+08 2.555E+08 2.556E+08 2.453E+08 2.273E+08 2.122E+08 2.022E+08 1.951E+08 1.893E+08 1.827E+08
ADS ON SOIL 1.216E+09 1.210E+09 1.204E+09 1.188E+09 1.182E+09 1.180E+09 1.185E+09 1.189E+09 1.192E+09 1.197E+09 1.199E+09 1.199E+09
IN SOIL AIR 3.601E+08 3.495E+08 3.362E+08 3.034E+08 3.004E+08 3.066E+08 3.161E+08 3.261E+08 3.320E+08 3.340E+08 3.385E+08 3.445E+08

SUBLAYER 10

IN SOIL MOI 3.359E+08 3.688E+08 4.052E+08 4.831E+08 4.841E+08 4.652E+08 4.314E+08 4.027E+08 3.838E+08 3.703E+08 3.594E+08 3.470E+08
ADS ON SOIL 2.288E+09 2.279E+09 2.270E+09 2.246E+09 2.239E+09 2.238E+09 2.249E+09 2.257E+09 2.263E+09 2.273E+09 2.276E+09 2.277E+09
IN SOIL AIR 6.775E+08 6.584E+08 6.342E+08 5.735E+08 5.689E+08 5.815E+08 5.999E+08 6.190E+08 6.302E+08 6.341E+08 6.425E+08 6.541E+08
GWR. RUNOFF 0.000E+00 0.000E+00 2.666E+06 3.155E+07 3.358E+07 2.604E+07 1.369E+07 5.735E+06 2.110E+06 0.000E+00 0.000E+00 0.000E+00

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

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UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10 4.000E-10
%SOLUBILITY 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10 1.667E-10
ADSORBED 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10 1.354E-10
SOIL AIR 2.901E-10 2.938E-10 2.966E-10 3.004E-10 2.999E-10 2.993E-10 2.936E-10 2.913E-10 2.889E-10 2.845E-10 2.843E-10 2.853E-10

SOIL ZONE 2:

SUBLAYER 1

MOISTURE 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09 3.000E-09
%SOLUBILITY 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09 1.250E-09
ADSORBED 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09 1.016E-09
SOIL AIR 2.176E-09 2.203E-09 2.225E-09 2.253E-09 2.249E-09 2.245E-09 2.202E-09 2.185E-09 2.167E-09 2.134E-09 2.132E-09 2.140E-09

SOIL ZONE 3:

SUBLAYER 1

MOISTURE 1.360E-01 1.349E-01 1.338E-01 1.319E-01 1.314E-01 1.311E-01 1.317E-01 1.322E-01 1.326E-01 1.331E-01 1.333E-01 1.333E-01
%SOLUBILITY 5.666E-02 5.621E-02 5.577E-02 5.498E-02 5.475E-02 5.464E-02 5.487E-02 5.506E-02 5.524E-02 5.547E-02 5.553E-02 5.553E-02
ADSORBED 4.603E-02 4.566E-02 4.531E-02 4.467E-02 4.448E-02 4.439E-02 4.458E-02 4.474E-02 4.488E-02 4.507E-02 4.511E-02 4.511E-02
SOIL AIR 9.861E-02 9.907E-02 9.925E-02 9.909E-02 9.850E-02 9.813E-02 9.667E-02 9.625E-02 9.575E-02 9.469E-02 9.473E-02 9.505E-02

LOWER SOIL ZONE:

SUBLAYER 1

MOISTURE 1.088E-01 1.080E-01 1.072E-01 1.057E-01 1.052E-01 1.050E-01 1.054E-01 1.058E-01 1.061E-01 1.065E-01 1.066E-01 1.066E-01
%SOLUBILITY 4.534E-02 4.499E-02 4.466E-02 4.403E-02 4.383E-02 4.374E-02 4.392E-02 4.407E-02 4.420E-02 4.439E-02 4.443E-02 4.444E-02
ADSORBED 3.684E-02 3.656E-02 3.628E-02 3.577E-02 3.561E-02 3.553E-02 3.568E-02 3.580E-02 3.591E-02 3.606E-02 3.610E-02 3.610E-02
SOIL AIR 7.891E-02 7.931E-02 7.949E-02 7.935E-02 7.886E-02 7.854E-02 7.737E-02 7.703E-02 7.662E-02 7.577E-02 7.580E-02 7.606E-02

SUBLAYER 2

MOISTURE 1.371E-01 1.360E-01 1.350E-01 1.331E-01 1.325E-01 1.322E-01 1.327E-01 1.332E-01 1.336E-01 1.342E-01 1.343E-01 1.343E-01
%SOLUBILITY 5.711E-02 5.668E-02 5.626E-02 5.546E-02 5.521E-02 5.508E-02 5.531E-02 5.549E-02 5.567E-02 5.590E-02 5.596E-02 5.597E-02
ADSORBED 4.640E-02 4.605E-02 4.571E-02 4.506E-02 4.485E-02 4.475E-02 4.494E-02 4.509E-02 4.523E-02 4.542E-02 4.546E-02 4.547E-02
SOIL AIR 9.939E-02 9.991E-02 1.001E-01 9.996E-02 9.932E-02 9.892E-02 9.744E-02 9.700E-02 9.649E-02 9.543E-02 9.546E-02 9.580E-02

SUBLAYER 3

MOISTURE 1.773E-01 1.760E-01 1.747E-01 1.722E-01 1.714E-01 1.710E-01 1.717E-01 1.723E-01 1.728E-01 1.735E-01 1.737E-01 1.737E-01

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%SOLUBILITY 7.387E-02 7.333E-02 7.279E-02 7.175E-02 7.142E-02 7.125E-02 7.155E-02 7.178E-02 7.201E-02 7.231E-02 7.238E-02 7.239E-02
ADSORBED    6.002E-02 5.957E-02 5.914E-02 5.829E-02 5.802E-02 5.789E-02 5.813E-02 5.832E-02 5.850E-02 5.875E-02 5.881E-02 5.882E-02
SOIL AIR    1.286E-01 1.293E-01 1.296E-01 1.293E-01 1.285E-01 1.280E-01 1.260E-01 1.255E-01 1.248E-01 1.234E-01 1.235E-01 1.239E-01

      SUBLAYER  4

MOISTURE    2.372E-01 2.355E-01 2.338E-01 2.304E-01 2.293E-01 2.288E-01 2.297E-01 2.305E-01 2.312E-01 2.322E-01 2.324E-01 2.324E-01
%SOLUBILITY 9.883E-02 9.811E-02 9.740E-02 9.601E-02 9.555E-02 9.533E-02 9.571E-02 9.603E-02 9.633E-02 9.673E-02 9.683E-02 9.685E-02
ADSORBED    8.030E-02 7.971E-02 7.914E-02 7.800E-02 7.763E-02 7.745E-02 7.776E-02 7.802E-02 7.826E-02 7.859E-02 7.867E-02 7.868E-02
SOIL AIR    1.720E-01 1.729E-01 1.734E-01 1.730E-01 1.719E-01 1.712E-01 1.686E-01 1.679E-01 1.670E-01 1.651E-01 1.652E-01 1.658E-01

      SUBLAYER  5

MOISTURE    3.315E-01 3.291E-01 3.268E-01 3.221E-01 3.205E-01 3.197E-01 3.210E-01 3.221E-01 3.231E-01 3.244E-01 3.248E-01 3.248E-01
%SOLUBILITY 1.381E-01 1.371E-01 1.362E-01 1.342E-01 1.336E-01 1.332E-01 1.338E-01 1.342E-01 1.346E-01 1.352E-01 1.353E-01 1.353E-01
ADSORBED    1.122E-01 1.114E-01 1.106E-01 1.090E-01 1.085E-01 1.082E-01 1.087E-01 1.090E-01 1.094E-01 1.098E-01 1.099E-01 1.100E-01
SOIL AIR    2.404E-01 2.417E-01 2.424E-01 2.419E-01 2.403E-01 2.393E-01 2.357E-01 2.346E-01 2.333E-01 2.308E-01 2.309E-01 2.317E-01

      SUBLAYER  6

MOISTURE    4.911E-01 4.877E-01 4.843E-01 4.774E-01 4.750E-01 4.737E-01 4.756E-01 4.772E-01 4.786E-01 4.806E-01 4.812E-01 4.813E-01
%SOLUBILITY 2.046E-01 2.032E-01 2.018E-01 1.989E-01 1.979E-01 1.974E-01 1.982E-01 1.988E-01 1.994E-01 2.003E-01 2.005E-01 2.005E-01
ADSORBED    1.662E-01 1.651E-01 1.640E-01 1.616E-01 1.608E-01 1.604E-01 1.610E-01 1.615E-01 1.620E-01 1.627E-01 1.629E-01 1.629E-01
SOIL AIR    3.561E-01 3.582E-01 3.592E-01 3.585E-01 3.560E-01 3.545E-01 3.492E-01 3.475E-01 3.457E-01 3.419E-01 3.420E-01 3.432E-01

      SUBLAYER  7

MOISTURE    7.876E-01 7.824E-01 7.772E-01 7.661E-01 7.620E-01 7.600E-01 7.630E-01 7.654E-01 7.678E-01 7.710E-01 7.718E-01 7.720E-01
%SOLUBILITY 3.282E-01 3.260E-01 3.238E-01 3.192E-01 3.175E-01 3.167E-01 3.179E-01 3.189E-01 3.199E-01 3.213E-01 3.216E-01 3.217E-01
ADSORBED    2.666E-01 2.648E-01 2.631E-01 2.593E-01 2.580E-01 2.573E-01 2.583E-01 2.591E-01 2.599E-01 2.610E-01 2.613E-01 2.614E-01
SOIL AIR    5.711E-01 5.746E-01 5.764E-01 5.753E-01 5.713E-01 5.687E-01 5.601E-01 5.575E-01 5.545E-01 5.484E-01 5.486E-01 5.506E-01

      SUBLAYER  8

MOISTURE    1.396E+00 1.387E+00 1.379E+00 1.359E+00 1.352E+00 1.349E+00 1.354E+00 1.358E+00 1.362E+00 1.368E+00 1.369E+00 1.370E+00
%SOLUBILITY 5.815E-01 5.779E-01 5.744E-01 5.663E-01 5.633E-01 5.619E-01 5.641E-01 5.659E-01 5.676E-01 5.700E-01 5.706E-01 5.708E-01
ADSORBED    4.724E-01 4.695E-01 4.667E-01 4.601E-01 4.577E-01 4.565E-01 4.583E-01 4.597E-01 4.611E-01 4.631E-01 4.636E-01 4.637E-01
SOIL AIR    1.012E+00 1.019E+00 1.022E+00 1.021E+00 1.014E+00 1.009E+00 9.939E-01 9.891E-01 9.838E-01 9.730E-01 9.734E-01 9.770E-01

      SUBLAYER  9

MOISTURE    2.691E+00 2.677E+00 2.663E+00 2.629E+00 2.616E+00 2.611E+00 2.622E+00 2.631E+00 2.638E+00 2.650E+00 2.653E+00 2.654E+00
%SOLUBILITY 1.121E+00 1.115E+00 1.110E+00 1.095E+00 1.090E+00 1.088E+00 1.093E+00 1.096E+00 1.099E+00 1.104E+00 1.105E+00 1.106E+00
ADSORBED    9.111E-01 9.063E-01 9.016E-01 8.898E-01 8.857E-01 8.839E-01 8.877E-01 8.905E-01 8.931E-01 8.969E-01 8.979E-01 8.983E-01
SOIL AIR    1.952E+00 1.966E+00 1.975E+00 1.974E+00 1.961E+00 1.954E+00 1.925E+00 1.916E+00 1.905E+00 1.885E+00 1.885E+00 1.893E+00

      SUBLAYER 10

MOISTURE    5.063E+00 5.043E+00 5.024E+00 4.969E+00 4.954E+00 4.951E+00 4.977E+00 4.993E+00 5.008E+00 5.029E+00 5.035E+00 5.039E+00
%SOLUBILITY 2.110E+00 2.101E+00 2.093E+00 2.071E+00 2.064E+00 2.063E+00 2.074E+00 2.080E+00 2.087E+00 2.096E+00 2.098E+00 2.099E+00
ADSORBED    1.714E+00 1.707E+00 1.701E+00 1.682E+00 1.677E+00 1.676E+00 1.685E+00 1.690E+00 1.695E+00 1.703E+00 1.705E+00 1.706E+00
SOIL AIR    3.672E+00 3.704E+00 3.725E+00 3.732E+00 3.714E+00 3.705E+00 3.653E+00 3.636E+00 3.617E+00 3.577E+00 3.579E+00 3.594E+00


POL DEP CM  1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03 1.828E+03


   -- POLLUTANT CONCENTRATION IN GROUNDWATER (UG/ML) --

GWR. CONC.  0.000E+00 0.000E+00 1.040E-03 1.226E-02 1.304E-02 1.013E-02 5.331E-03 2.235E-03 8.228E-04 0.000E+00 0.000E+00 0.000E+00
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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
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LOWER SOIL ZONE          0.000E+00

     -- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE ZONE 1 (%)          8.992
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)       8.992
TOTAL PRECIPITATION (CM)                 32.338
TOTAL INFILTRATION (CM)                  25.841
TOTAL EVAPOTRANSPIRATION (CM)              24.575
TOTAL SURFACE RUNOFF (CM)                 6.491
TOTAL GRW RUNOFF (CM)                    1.265
TOTAL MOISTURE RETENTION (CM)              0.001
TOTAL YIELD (CM)                      7.763
0      -- 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)
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   UPPER SOIL ZONE:

      SUBLAYER  1

   SOIL ZONE 2:

      SUBLAYER  1

   SOIL ZONE 3:

      SUBLAYER  1

   LOWER SOIL ZONE:

      SUBLAYER  1

      SUBLAYER  2

      SUBLAYER  3

      SUBLAYER  4

      SUBLAYER  5

      SUBLAYER  6

      SUBLAYER  7

      SUBLAYER  8

      SUBLAYER  9

      SUBLAYER 10

         TOTAL IN GROUNDWATER RUNOFF      1.154E+08
              -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON-ZERO VALUES ARE PRINTED --
              ----------------------------------------------------------------
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UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 4.000E-10
ADSORBED SOIL (UG/G) 1.354E-10
SOIL AIR (UG/ML) 2.923E-10

SOIL ZONE 2:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 3.000E-09
ADSORBED SOIL (UG/G) 1.016E-09
SOIL AIR (UG/ML) 2.193E-09

SOIL ZONE 3:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.329E-01
ADSORBED SOIL (UG/G) 4.500E-02
SOIL AIR (UG/ML) 9.715E-02

LOWER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.064E-01
ADSORBED SOIL (UG/G) 3.602E-02
SOIL AIR (UG/ML) 7.776E-02

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.340E-01
ADSORBED SOIL (UG/G) 4.537E-02
SOIL AIR (UG/ML) 9.794E-02

SUBLAYER 3

SOIL MOISTURE (UG/ML) 1.734E-01
ADSORBED SOIL (UG/G) 5.869E-02
SOIL AIR (UG/ML) 1.267E-01

SUBLAYER 4

SOIL MOISTURE (UG/ML) 2.319E-01
ADSORBED SOIL (UG/G) 7.852E-02
SOIL AIR (UG/ML) 1.695E-01

SUBLAYER 5

SOIL MOISTURE (UG/ML) 3.242E-01
ADSORBED SOIL (UG/G) 1.097E-01
SOIL AIR (UG/ML) 2.369E-01

SUBLAYER 6

SOIL MOISTURE (UG/ML) 4.803E-01
ADSORBED SOIL (UG/G) 1.626E-01
SOIL AIR (UG/ML) 3.510E-01

SUBLAYER 7

SOIL MOISTURE (UG/ML) 7.705E-01
ADSORBED SOIL (UG/G) 2.608E-01
SOIL AIR (UG/ML) 5.631E-01

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SUBLAYER  8

            SOIL MOISTURE (UG/ML)  1.367E+00
            ADSORBED SOIL (UG/G)   4.627E-01
            SOIL AIR (UG/ML)       9.989E-01

SUBLAYER  9

            SOIL MOISTURE (UG/ML)  2.645E+00
            ADSORBED SOIL (UG/G)   8.952E-01
            SOIL AIR (UG/ML)       1.933E+00

SUBLAYER 10

            SOIL MOISTURE (UG/ML)  5.007E+00
            ADSORBED SOIL (UG/G)   1.695E+00
            SOIL AIR (UG/ML)       3.659E+00

            MAX. POLL. DEPTH (M)   1.828E+01

AVE. CONTAMINANT CONCENTRATION IN GROUNDWATER (UG/ML)   3.738E-03

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