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A

Figure 9: Existing Unit - HELP and POLLUTE Modeled Leachate Heads

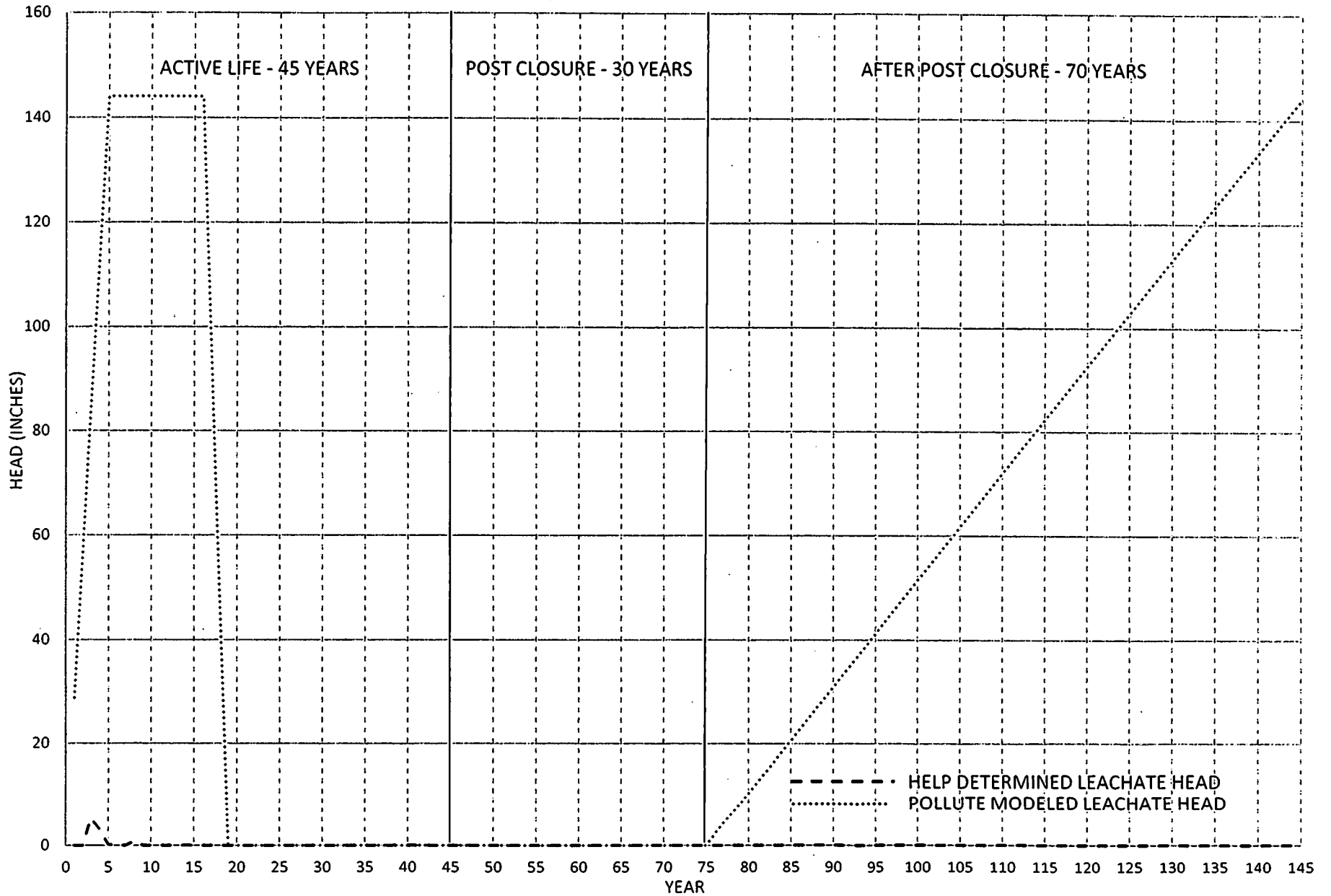
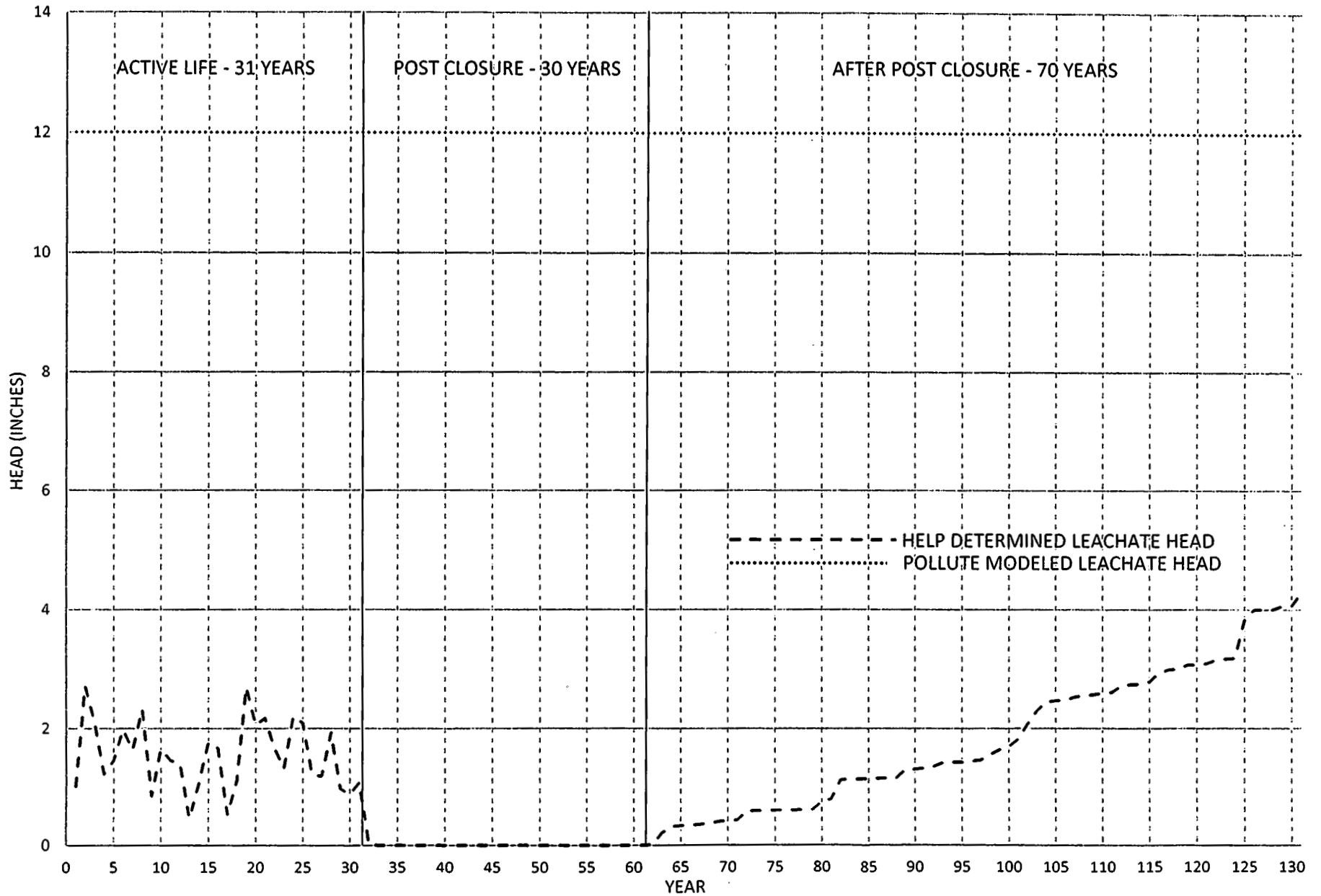


Figure 10: South Unit - HELP and POLLUTE Modeled Leachate Heads

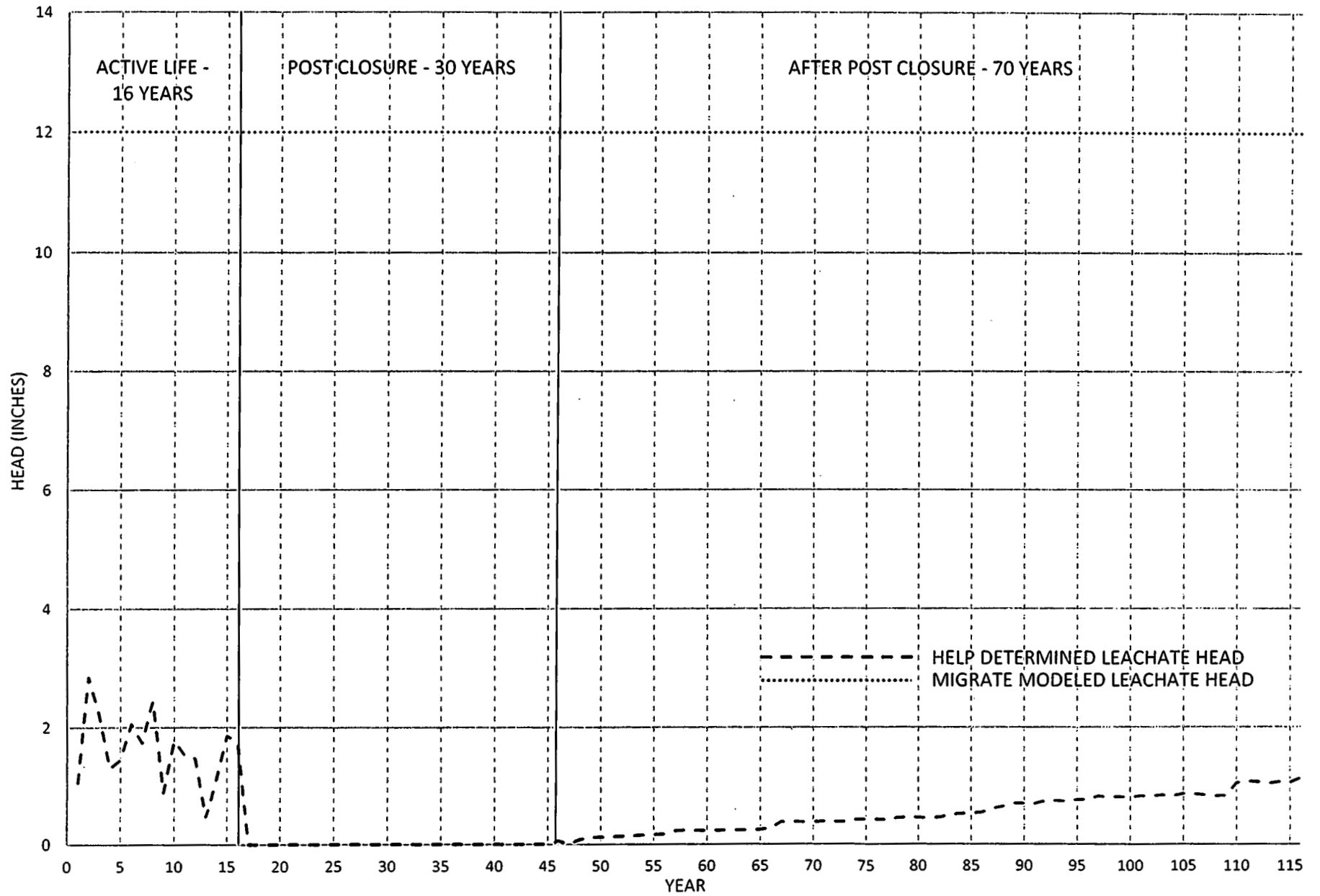


Landfill 33

Groundwater Impact Assessment (September 2018)

Andrews Engineering, Inc.

Figure 11: Northwest Unit - HELP and MIGRATE Modeled Leachate Heads



APPENDIX A
HYDRAULIC CONDUCTIVITY DATA

Landfill 33, Ltd.; Effingham, Illinois

Hydraulic Conductivity -- (with mean, std dev, & log normal transform)

Sample ID	Screen Bottom	K (cm/s)*	LN (K)
G104	528.67 ft. MSL	6.71E-02	-2.7016
G105	516.42 ft. MSL	9.91E-04	-6.9168
G116	550.20 ft. MSL	4.83E-05	-9.9381
G117	557.11 ft. MSL	9.65E-05	-9.2460
G118	539.14 ft. MSL	6.10E-05	-9.7046
G119	528.61 ft. MSL	1.27E-03	-6.6687
P102	547.30 ft. MSL	1.52E-03	-6.4890
P101	559.36 ft. MSL	6.10E-04	-7.4021

Raw data		Transform data	
4.83E-05	= minimum =	4.83E-05	-9.9381
8.96E-03	= mean =	6.22E-04	-7.3834
6.71E-02	= maximum =	6.71E-02	-2.7016
2.35E-02	= std. dev. =	1.05E+01	2.3553
1.8946	= t [2 tail] =	1.8946	
2.8251	= skew (EXCEL®) =	0.9936	
2.2651	= skew (US EPA) =	0.7967	
5.66E-02	= upper 95% PL =	7.33E-02	
-3.86E-02	= lower 95% PL =	5.27E-06	

*K values from Slug and Falling Head Test Data (Appendix J)

CHARACTERISTICS OF THE STRATIGRAPHIC UNITS - LANDFILL 33, LTD

Horizontal Hydraulic Gradient Calculations - Sand Uppermost Aquifer

Gradient Number *	dh (feet)	l	dl (feet)	=	(hydraulic gradient) i
1	25.00		510.00		0.04902
2	15.00		350.00		0.04286
3	20.00		710.00		0.02817
4	20.00		530.00		0.03774
				Mean	0.03945

* See "Mean 5/92 to 2/95" Piezometric Surface Map (in Appendix L) for Gradient Number locations.

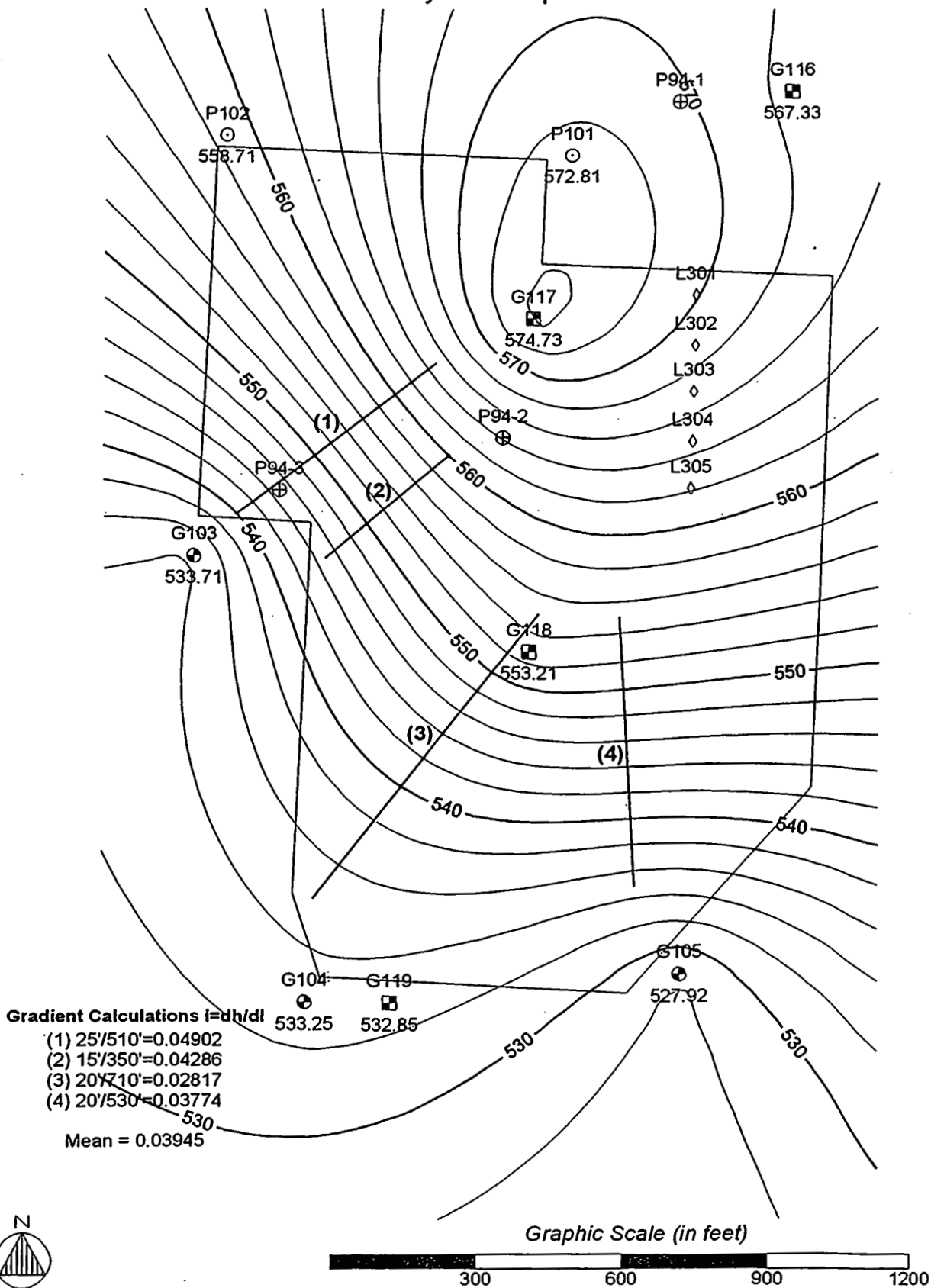
Darcian Velocity (q) Calculations - Sand Uppermost Aquifer

	Hydraulic Conductivity@	x	Mean Hydraulic Gradient	=	Darcian Velocity
	k (cm/sec)		i (feet/feet)		q (cm/sec)
Minimum	4.83E-05		0.03945		1.91E-06
Mean	6.22E-04		0.03945		2.45E-05
Maximum	6.71E-02		0.03945		2.65E-03
Upper 95%	7.33E-02		0.03945		2.89E-03
Lower 95%	5.27E-06		0.03945		2.08E-07

@ Transform Data

Gradient Determination for Landfill 33, Ltd.

Using Mean Potentiometric Surface Of Uppermost Aquifer Mean May 92 to April 95

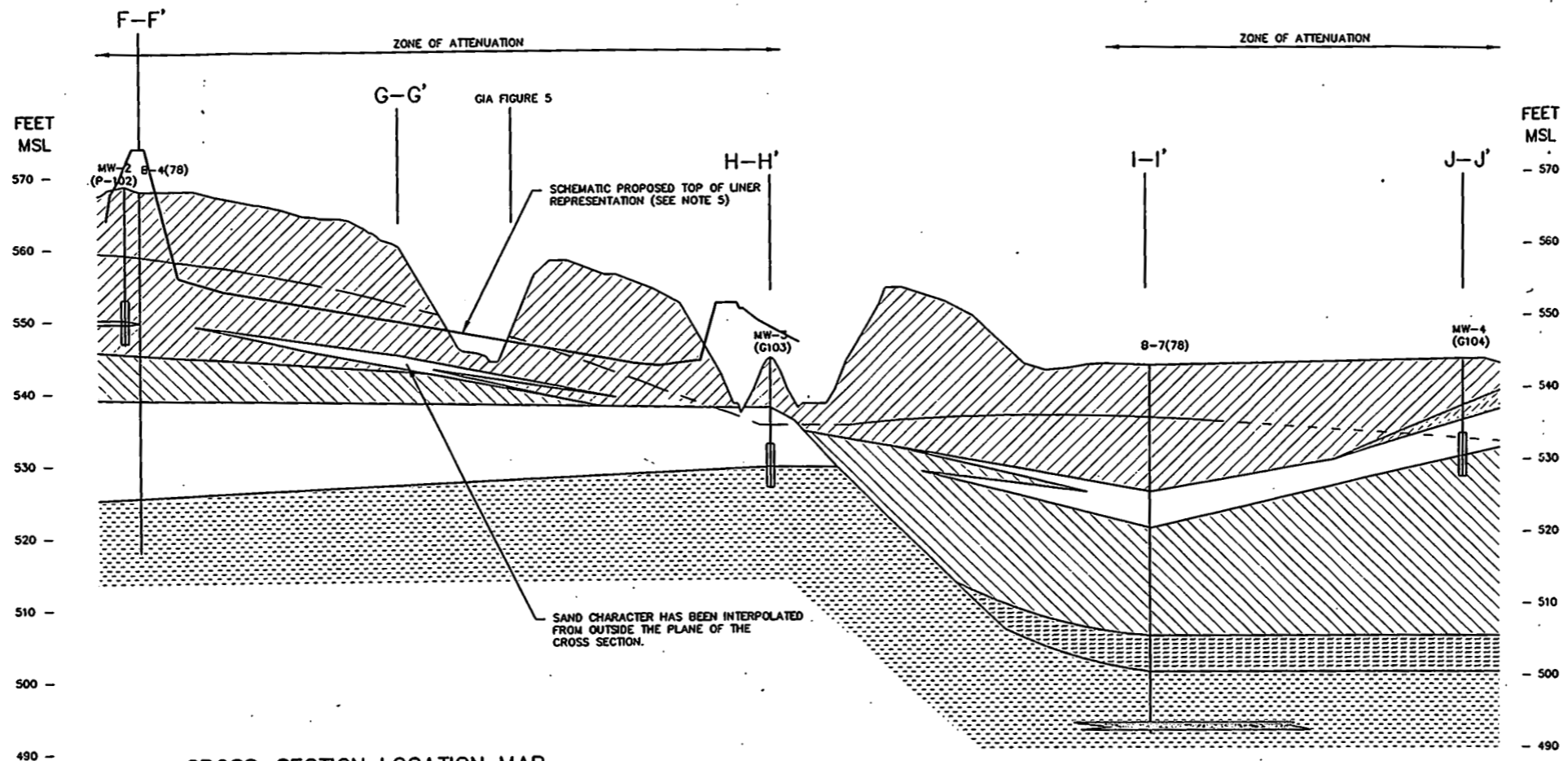


Note: Landfill outline represents approximate waste boundary at final conditions.

APPENDIX B
GEOLOGIC CROSS SECTIONS

A
NORTH

A'
SOUTH

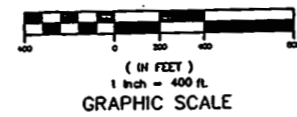
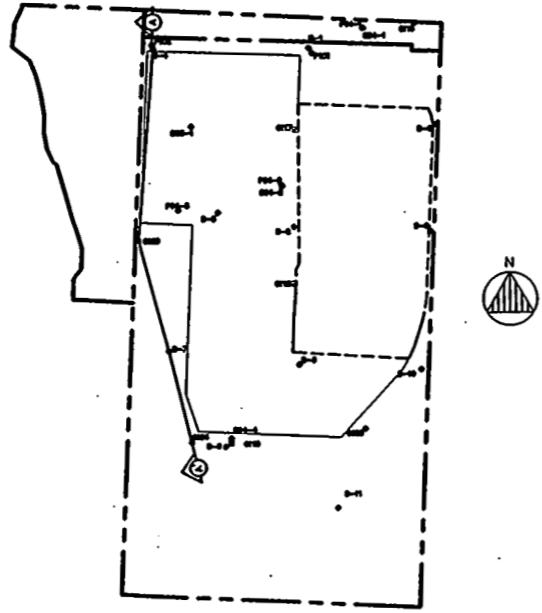


EXPLANATION

- SILTY CLAY SPOIL/FILL
- BROWN SILTY CLAY
- BROWN CLAYEY SILT
- GRAY SILTY CLAY
- GRAY CLAYEY SILT
- BLACK ORGANIC CLAY
- SILT
- CLAYEY SAND
- SAND
- SAND AND GRAVEL
- SHALE
- SANDSTONE
- CALCAREOUS SHALE
- INTERBEDDED SANDSTONE AND SHALE
- SANDSTONE CONGLOMERATE
- COAL

— PROPOSED TOP OF LINER
 - - - APPROXIMATE STATIC WATER LEVEL
 5/92 TO 8/94 MEAN

CROSS-SECTION LOCATION MAP.



NOTES:

1. GROUND ELEVATIONS FOR THE MONITORING WELLS AND PIEZOMETERS WERE SURVEYED BY ANDREWS ENVIRONMENTAL ENGINEERING INC. OF SPRINGFIELD, ILLINOIS. OTHER BORINGS OR ABANDONED MONITORING WELLS HAVE APPROXIMATE GROUND ELEVATIONS.
2. GROUND ELEVATIONS BETWEEN BORINGS ARE EXTRAPOLATED FROM A MARCH 1994 AERIAL SURVEY.
3. THE PIEZOMETRIC SURFACES, WHICH ARE DERIVED FROM STATIC WATER LEVELS FROM A GIVEN MONITORING ZONE, ARE GENERATED BY A COMPUTER PROGRAM (SURFER) WHICH UTILIZES THE MOVING-AVERAGE METHOD DERIVED FROM THE THEORY OF REGIONALIZED VARIABLES (KRIGING). PIEZOMETRIC SURFACES BETWEEN MONITORING WELLS ARE THEREFORE APPROXIMATE AND MAY NOT REPRESENT THE ACTUAL GROUNDWATER SURFACE (SEE APPENDIX 9 OF REPORT OF HYDROGEOLOGICAL INVESTIGATION FOR ACTUAL PIEZOMETRIC SURFACES).
4. EXISTING DISPOSAL SITE INVERTS MAY NOT REPRESENT ACTUAL CONDITIONS. EXISTING SITE INVERT DERIVED FROM PREVIOUS SITE PLAN/DEVELOPMENT MAPS.
5. THE PROPOSED TOP OF LINER DEPICTED ON THE CROSS SECTION (A-A') HAS BEEN SUPERIMPOSED FROM DESIGN SPECIFICATIONS. ACTUAL PROPOSED TOP OF LINER MAY BE EAST OF THE GEOLOGIC CROSS SECTION.

A - DIVISION OF RECORDS & DOCUMENTS
 RELEASEABLE

NOV 05 2019

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(IN FEET)
 1 inch = 20 ft.

(IN FEET)
 1 inch = 100 ft.

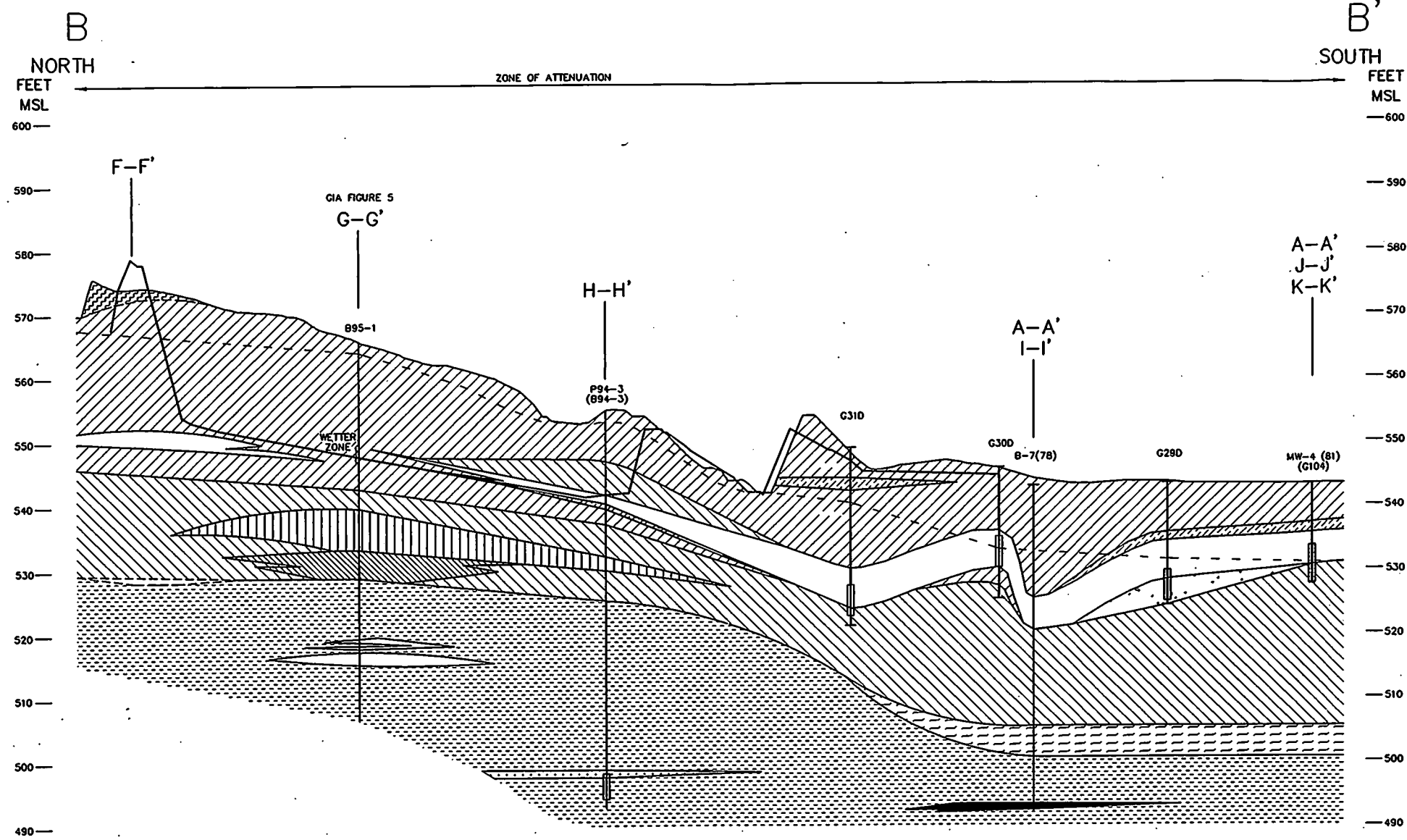
GRAPHIC SCALE

ANDREWS ENVIRONMENTAL ENGINEERING, INC.
 3535 MAYFLOWER BOULEVARD
 SPRINGFIELD, ILLINOIS 62707
 (217)787-2334 FAX (217)787-9495

APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR
 LANDFILL 33, LTD.
 EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS

GEOLOGIC CROSS SECTION
 A-A'

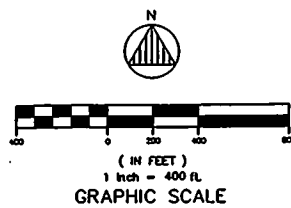
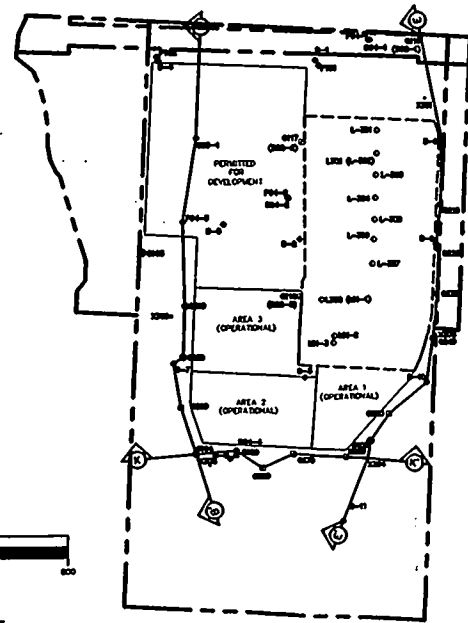
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DESIGNED BY: TPD	PROJECT # 77-118B	H-1
APPROVED BY: RCW	FILE # PLANI	



EPA - DIVISION OF SOIL CONSTRUCTION

NOV 05 2019

REVIEWER: MLD



CROSS SECTION LOCATION MAP

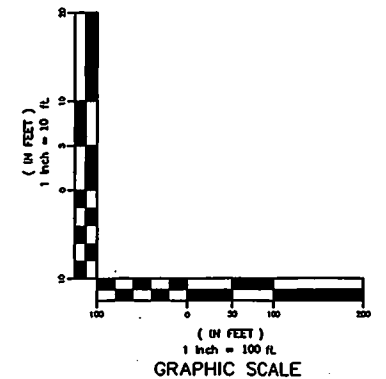
EXPLANATION

- | | | | |
|--|---------------------------------------|--|---------------------------------|
| | SILTY CLAY SPOIL/FILL | | SAND |
| | BROWN SILTY CLAY | | SAND AND GRAVEL |
| | BROWN CLAYEY SILT | | SHALE |
| | GRAY SILTY CLAY | | SANDSTONE |
| | GRAY CLAYEY SILT | | CALCAREOUS SHALE |
| | BLACK ORGANIC CLAY (WEATHERED SHALE?) | | INTERBEDDED SANDSTONE AND SHALE |
| | SILT | | SANDSTONE CONGLOMERATE |
| | CLAYEY SAND | | COAL |

- PROPOSED TOP OF LINER
- - - APPROXIMATE STATIC WATER LEVEL
2nd QUARTER 1999 TO 1st QUARTER 2001 MEAN

NOTES:

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ANDREWS ENVIRONMENTAL ENGINEERING INC.
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APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR
LANDFILL 33
EFFINGHAM COUNTY, ILLINOIS
GEOLOGIC CROSS SECTION
B-B' REVISED

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DESIGNED BY: TPD	PROJECT: 77-1188	H-2A
APPROVED BY: TPD	FILE: J.E. \PLANS	

NORTH
C

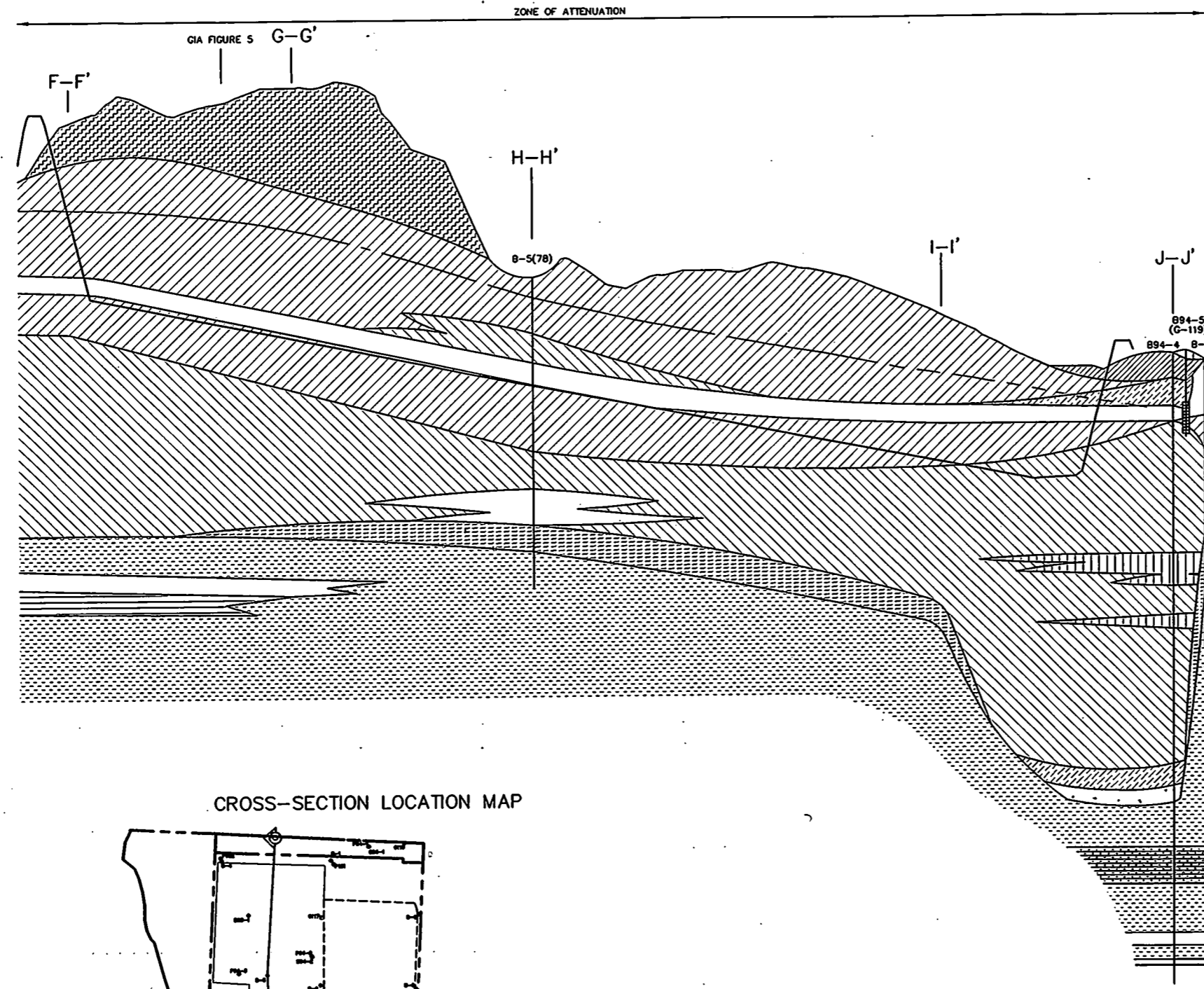
SOUTH
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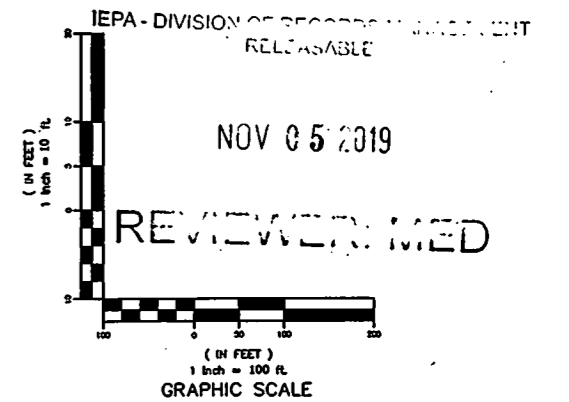
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- 470
- 460
- 450
- 440



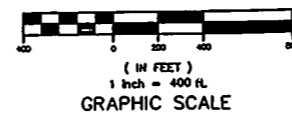
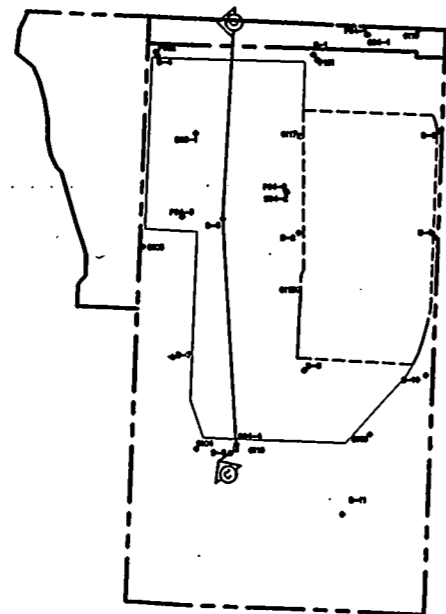
EXPLANATION

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- BROWN CLAYEY SILT
- GRAY SILTY CLAY
- GRAY CLAYEY SILT
- BLACK ORGANIC CLAY
- SILT
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- SAND AND GRAVEL
- SHALE
- SANDSTONE
- CALCAREOUS SHALE
- INTERBEDDED SANDSTONE AND SHALE
- SANDSTONE CONGLOMERATE
- COAL

- PROPOSED TOP OF LINER
- APPROXIMATE STATIC WATER LEVEL 5/92 TO 8/94 MEAN



CROSS-SECTION LOCATION MAP



NOTES:

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APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR LANDFILL 33, LTD. EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS GEOLOGIC CROSS SECTION C-C		
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NORTH

SOUTH

D

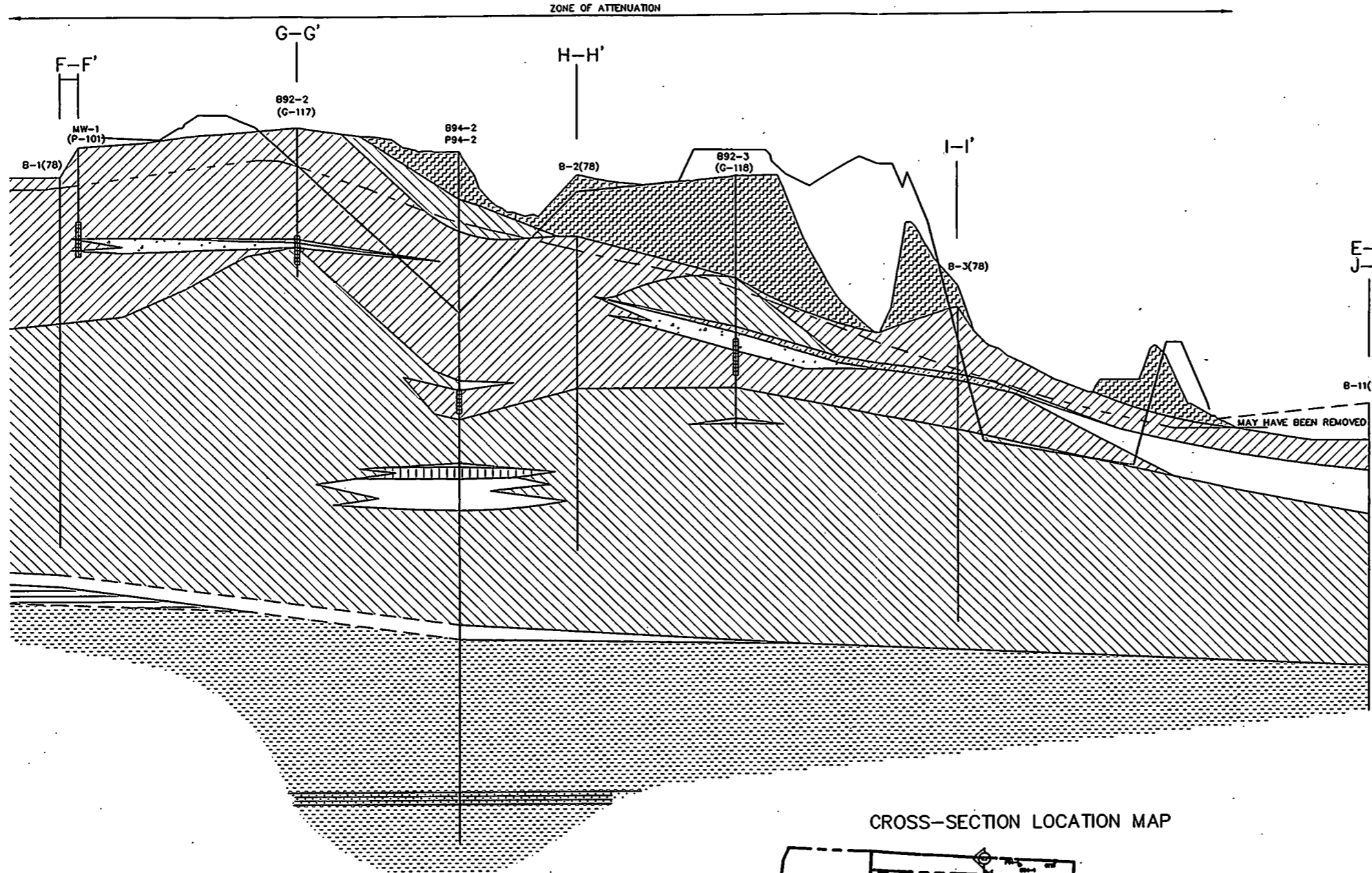
D'

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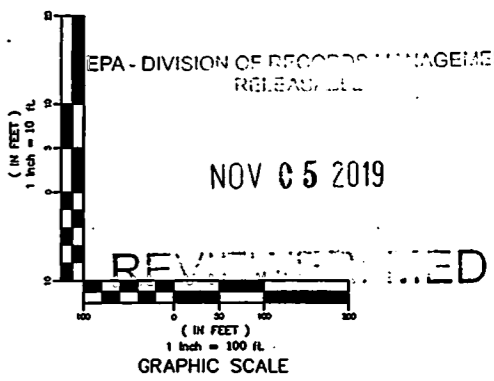
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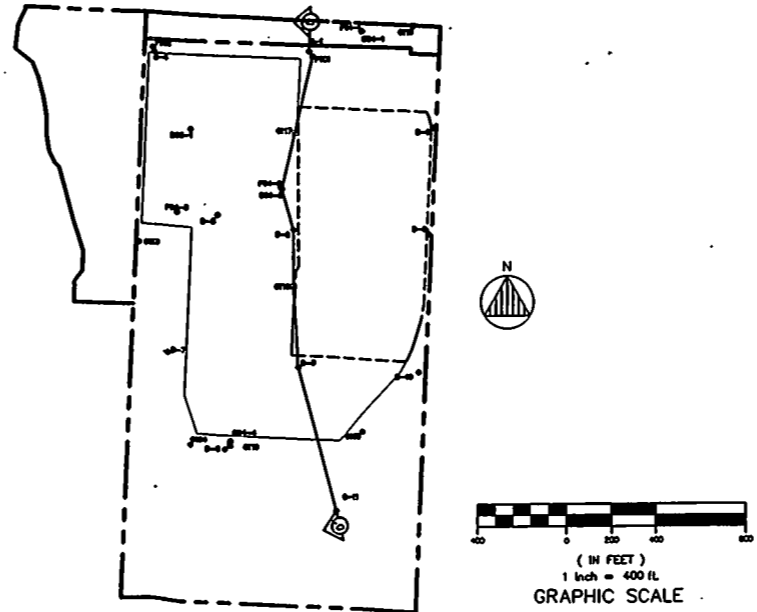
EXPLANATION

- SILTY CLAY SPOIL/FILL
- BROWN SILTY CLAY
- BROWN CLAYEY SILT
- GRAY SILTY CLAY
- GRAY CLAYEY SILT
- BLACK ORGANIC CLAY
- SILT
- CLAYEY SAND
- SAND
- SAND AND GRAVEL
- SHALE
- SANDSTONE
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- INTERBEDDED SANDSTONE AND SHALE
- SANDSTONE CONGLOMERATE
- COAL

— PROPOSED TOP OF LINER
 - - - - - APPROXIMATE STATIC WATER LEVEL
 5/92 TO 8/94 MEAN



CROSS-SECTION LOCATION MAP



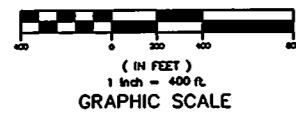
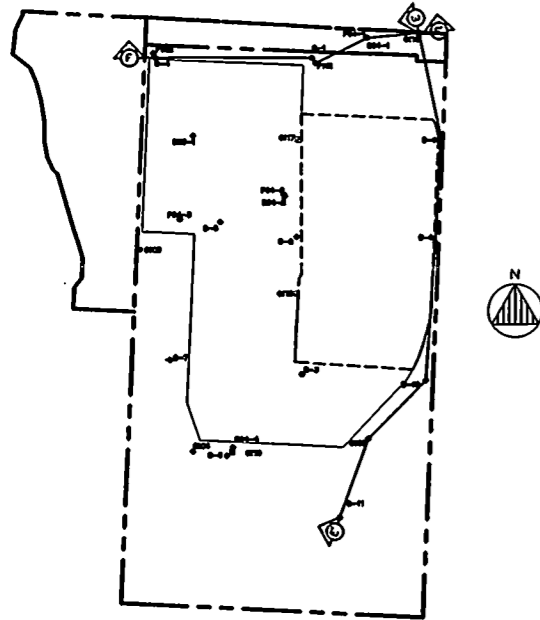
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 3535 MAYFLOWER BOULEVARD
 SPRINGFIELD, ILLINOIS 62707
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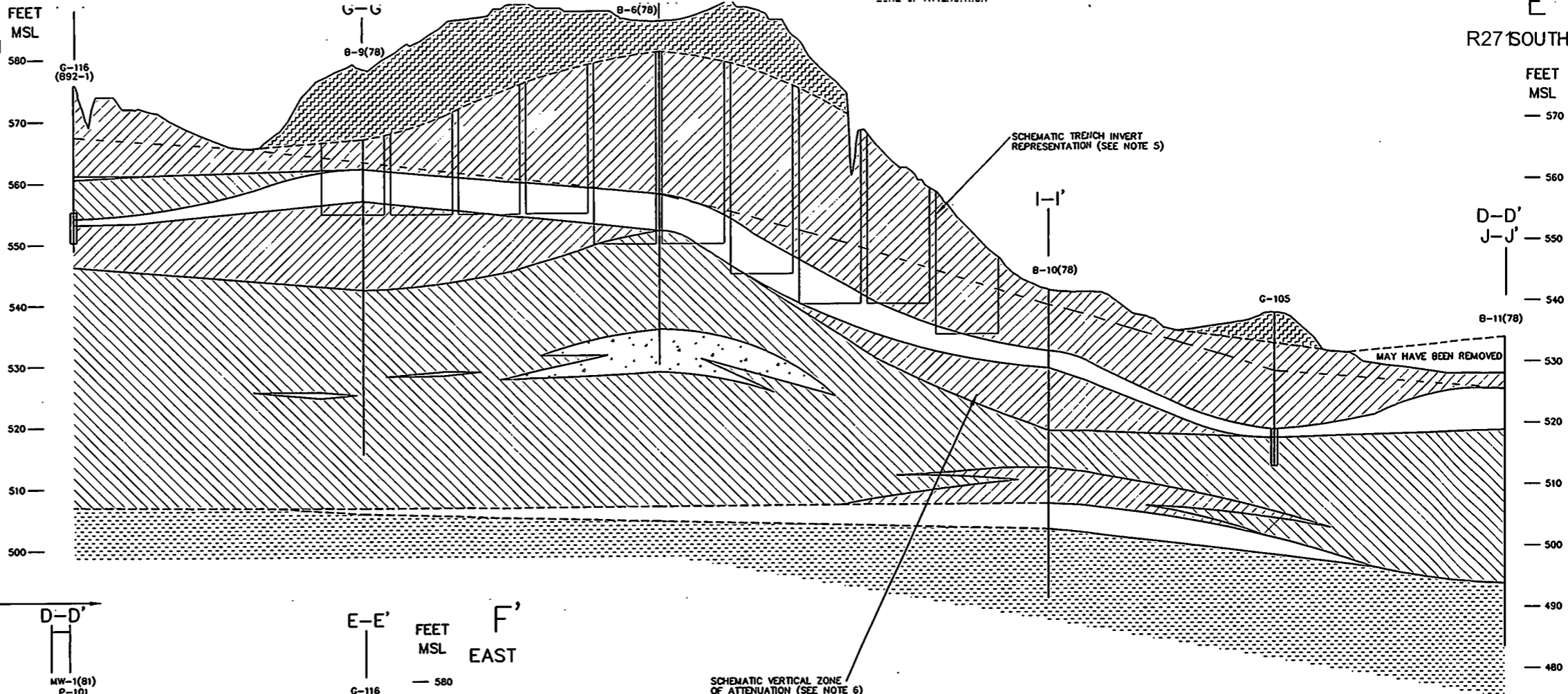
APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR
 LANDFILL 33, LTD
 EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS
 GEOLOGIC CROSS SECTION
 D-D'

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DESIGNED BY: TPD	PROJECT # 77-1188	H-4
APPROVED BY: RCW	FILE # PLAN3	

CROSS-SECTION LOCATION MAP



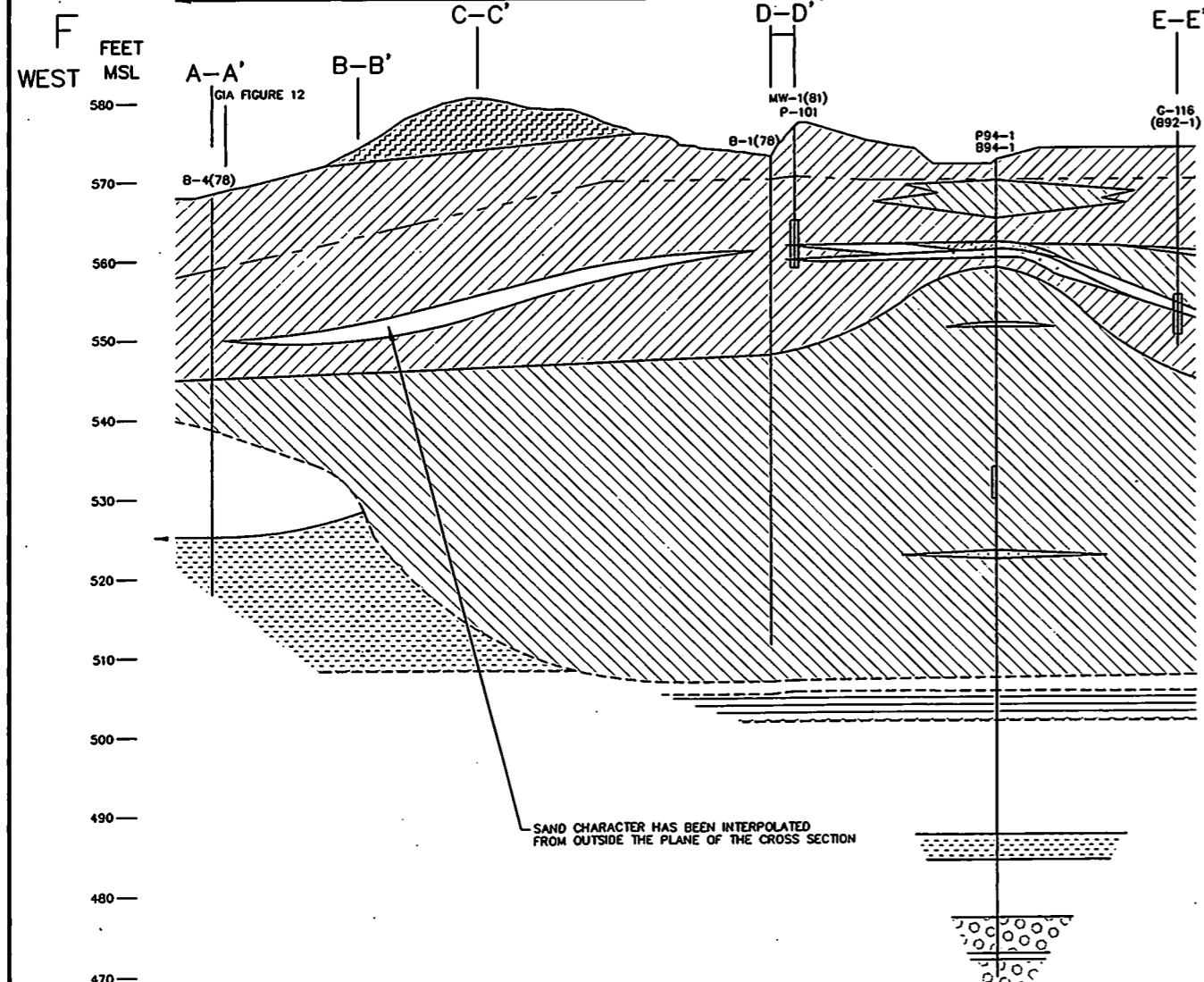
FEET MSL
NORTH



R27 SOUTH
FEET MSL

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D-D'
J-J'

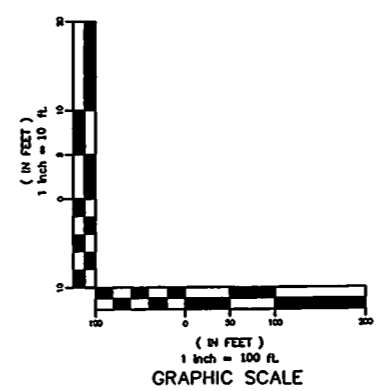


SCHMATIC VERTICAL ZONE OF ATTENUATION (SEE NOTE 6)

EXPLANATION

- SILTY CLAY SPOIL/FILL
- BROWN SILTY CLAY
- BROWN CLAYEY SILT
- GRAY SILTY CLAY
- GRAY CLAYEY SILT
- BLACK ORGANIC CLAY
- SILT
- CLAYEY SAND
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- SHALE
- SANDSTONE
- CALCAREOUS SHALE
- INTERBEDDED SANDSTONE AND SHALE
- SANDSTONE CONGLOMERATE
- COAL

--- APPROXIMATE STATIC WATER LEVEL
5/92 TO 8/94 MEAN



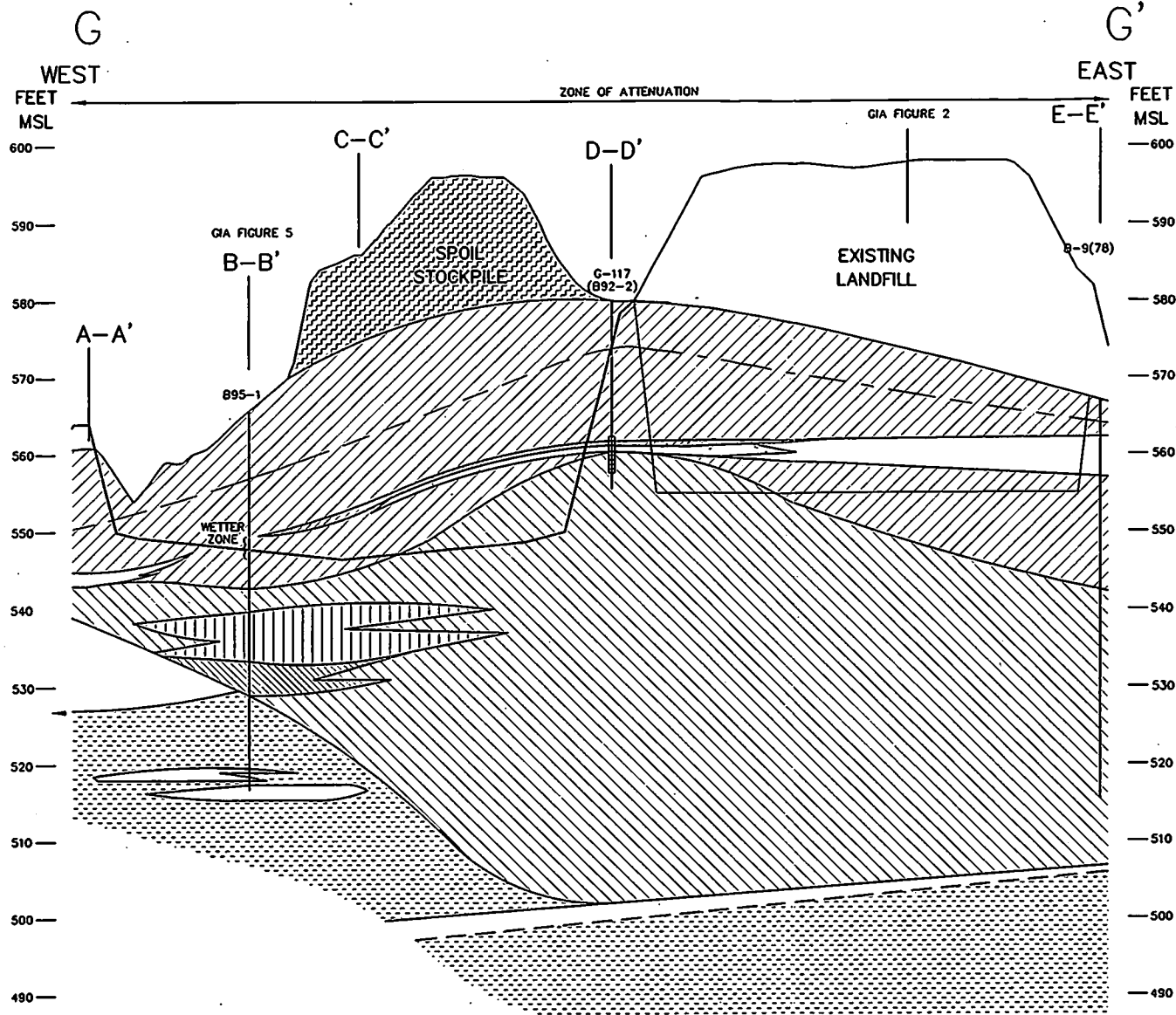
- NOTES:
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 - INDIVIDUAL TRENCHES FROM EXISTING LANDFILL AREA (ILLUSTRATED ON GEOLOGIC CROSS-SECTION E-E') HAVE BEEN SUPERIMPOSED FROM AN ORIGINAL SITE PLAN SHEET (77-118-3). ACTUAL TRENCH INVERTS MAY BE WEST OF THE GEOLOGIC CROSS-SECTION.
 - ZONE OF ATTENUATION BELOW EXISTING LANDFILL AREA TRENCHES IS SHOWN AT THE BASE OF A 10 FOOT THICK INSITU AND/OR RECOMPACTED CLAY LINER (AS PER ORIGINAL TRENCH INVERT DESIGN).

ANDREWS ENVIRONMENTAL ENGINEERING, INC.
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(217)787-2334 FAX (217)787-9495

APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR
LANDFILL 33, LTD.
EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS

GEOLOGIC CROSS-SECTIONS
E-E', F-F'

DRAWN BY: BLR	DATE: JUNE 1995	SHEET NUMBER
DESIGNED BY: TPD	PROJECT # 77-118B	
APPROVED BY: X	FILE # PLAN4	H-5

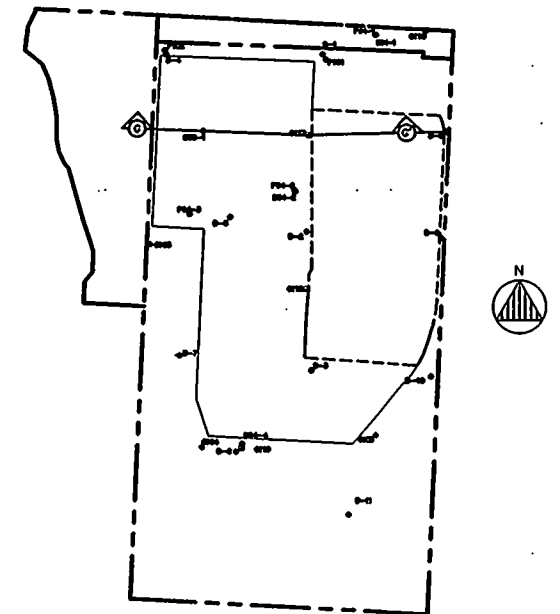


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NOV 05 2019

REVIEWER: MED

CROSS-SECTION LOCATION MAP



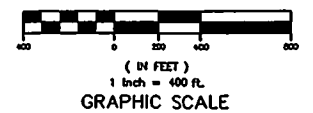
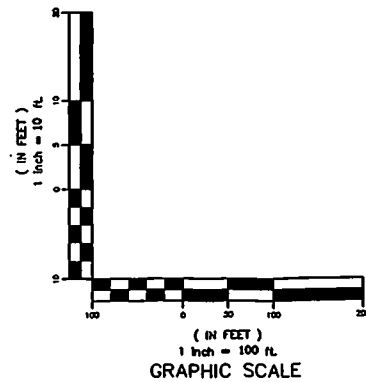
EXPLANATION

- SILTY CLAY SPOIL/FILL
- BROWN SILTY CLAY
- BROWN CLAYEY SILT
- GRAY SILTY CLAY
- GRAY CLAYEY SILT
- BLACK ORGANIC CLAY (WEATHERED SHALE?)
- SILT
- CLAYEY SAND
- SAND
- SAND AND GRAVEL
- SHALE
- SANDSTONE
- CALCAREOUS SHALE
- INTERBEDDED SANDSTONE AND SHALE
- SANDSTONE CONGLOMERATE
- COAL

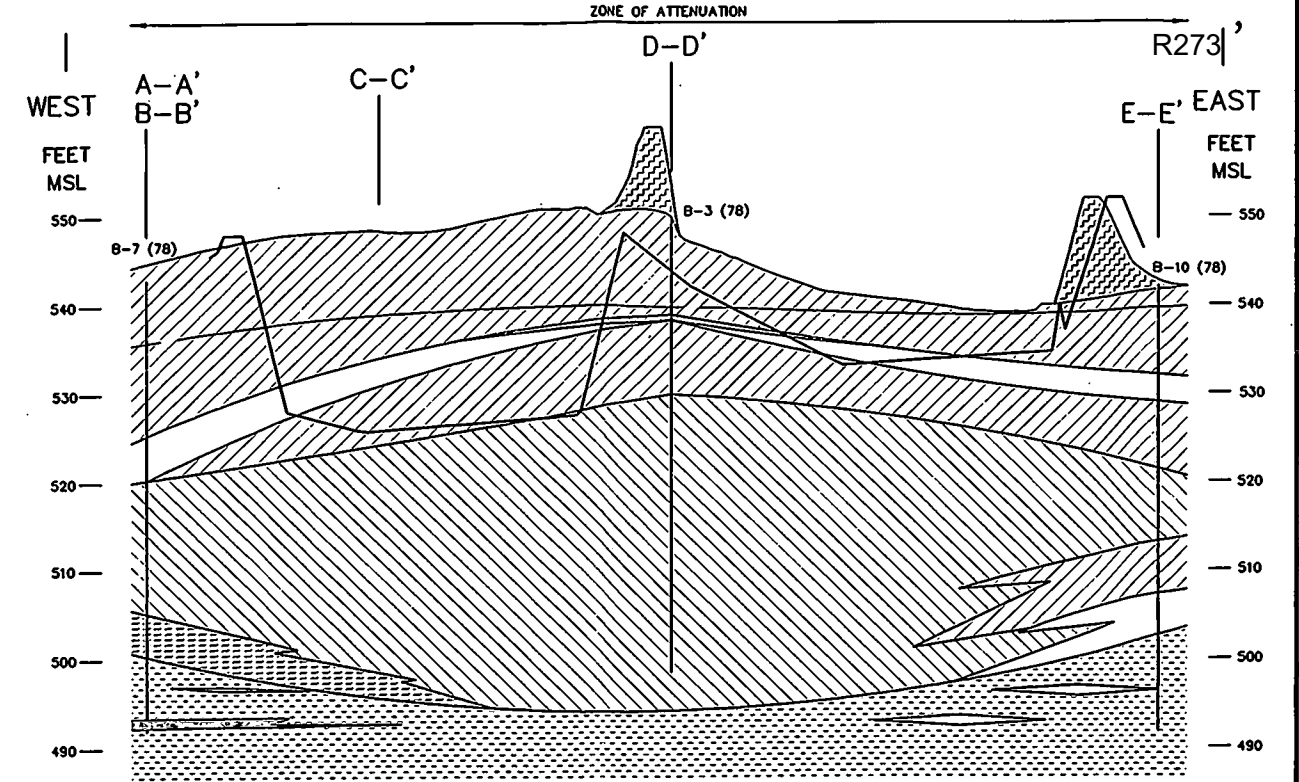
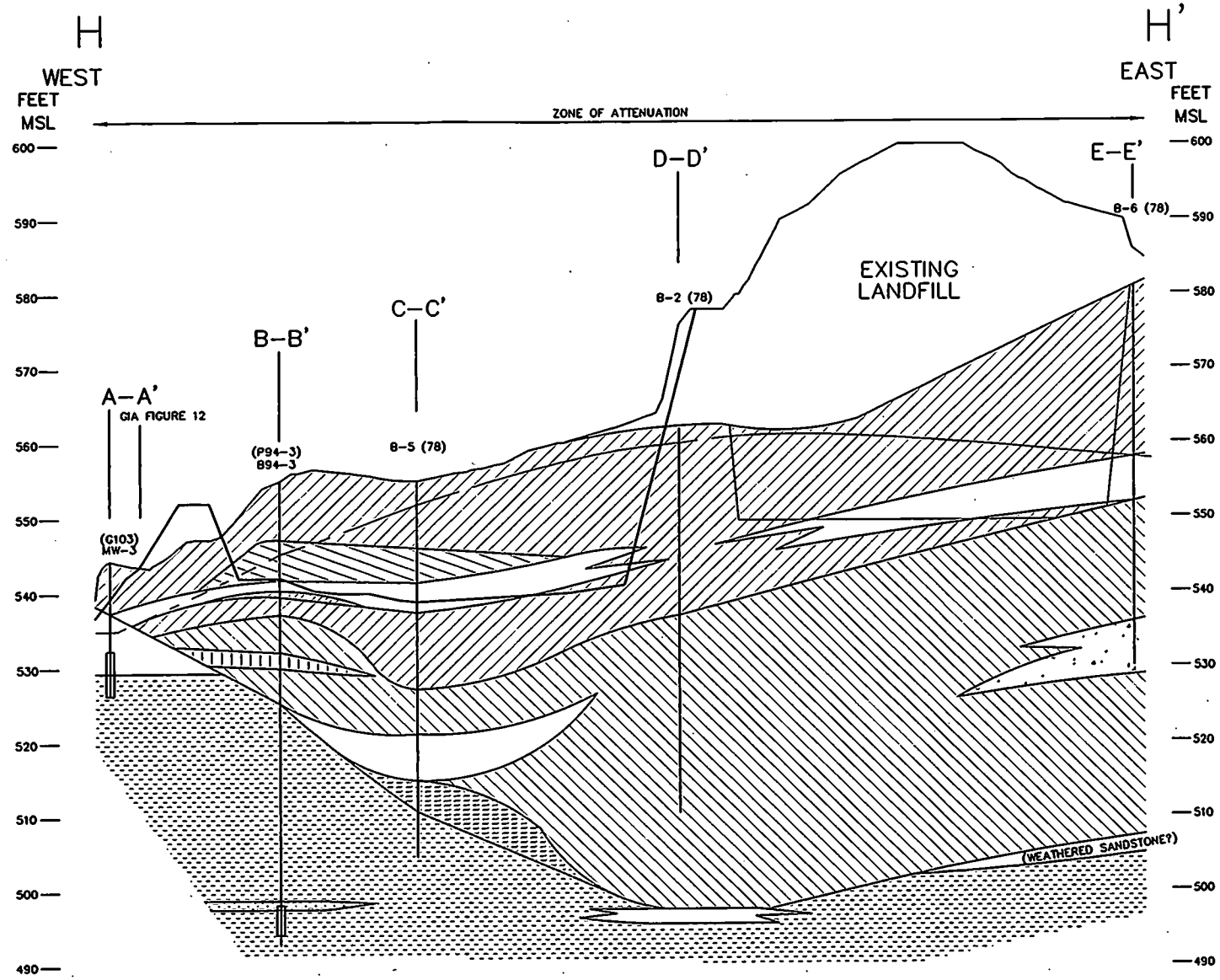
- PROPOSED TOP OF LINER
- APPROXIMATE STATIC WATER LEVEL 5/92 TO 8/94 MEAN

NOTES:

1. GROUND ELEVATIONS FOR THE MONITORING WELLS AND PIEZOMETERS WERE SURVEYED BY ANDREWS ENVIRONMENTAL ENGINEERING INC. OF SPRINGFIELD, ILLINOIS. OTHER BORINGS OR ABANDONED MONITORING WELLS HAVE APPROXIMATE GROUND ELEVATIONS.
2. GROUND ELEVATIONS BETWEEN BORINGS ARE EXTRAPOLATED FROM A MARCH 1994 AERIAL SURVEY.
3. THE PIEZOMETRIC SURFACES, WHICH ARE DERIVED FROM STATIC WATER LEVELS FROM A GIVEN MONITORING ZONE, ARE GENERATED BY A COMPUTER PROGRAM (SURFER) WHICH UTILIZES THE MOVING-AVERAGE METHOD DERIVED FROM THE THEORY OF REGIONALIZED VARIABLES (KRIGING). PIEZOMETRIC SURFACES BETWEEN MONITORING WELLS ARE THEREFORE APPROXIMATE AND MAY NOT REPRESENT THE ACTUAL GROUNDWATER SURFACE (SEE APPENDIX 9 OF REPORT OF HYDROGEOLOGICAL INVESTIGATION FOR ACTUAL PIEZOMETRIC SURFACES).
4. EXISTING DISPOSAL SITE INVERTS MAY NOT REPRESENT ACTUAL CONDITIONS. EXISTING SITE INVERT DERIVED FROM PREVIOUS SITE PLAN/DEVELOPMENT MAPS.
5. ZONE OF ATTENUATION BELOW EXISTING LANDFILL AREA TRENCHES IS SHOWN AT THE BASE OF A 10 FOOT THICK INSITU AND/OR RECOMPACTED CLAY LINER (AS PER ORIGINAL TRENCH INVERT DESIGN).



ANDREWS ENVIRONMENTAL ENGINEERING, INC. 3535 MAYFLOWER BOULEVARD SPRINGFIELD, ILLINOIS 62707 (217)787-2334 FAX (217)787-9495		
APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR LANDFILL 33, LTD. EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS GEOLOGIC CROSS-SECTION G-C		
DRAWN BY: BLR	DATE: JUNE 1995	SHEET NUMBER
DESIGNED BY: TPD	PROJECT # 77-118B	H-6
APPROVED BY: X	FILE # PLAN7	

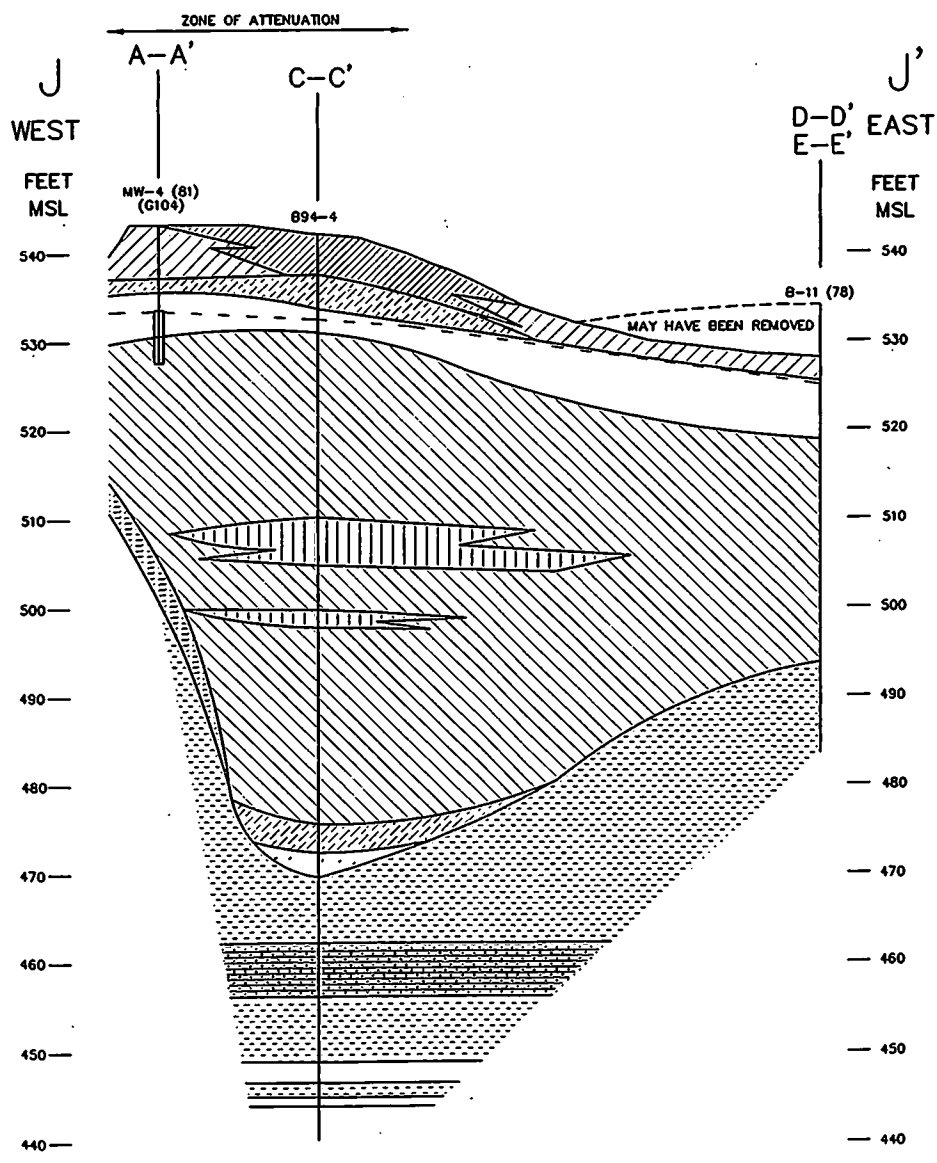
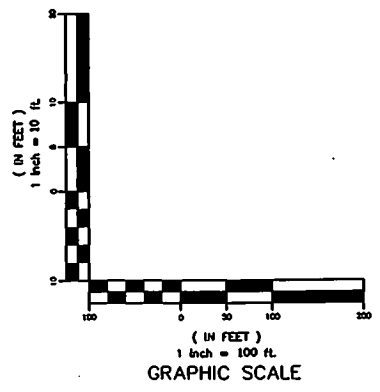


- NOTES:**
- GROUND ELEVATIONS FOR THE MONITORING WELLS AND PIEZOMETERS WERE SURVEYED BY ANDREWS ENVIRONMENTAL ENGINEERING INC. OF SPRINGFIELD, ILLINOIS. OTHER BORINGS OR ABANDONED MONITORING WELLS HAVE APPROXIMATE GROUND ELEVATIONS.
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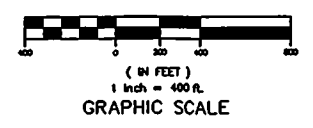
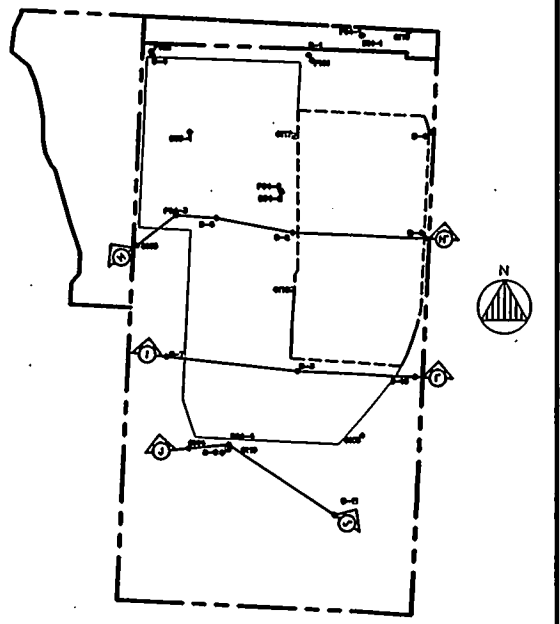
EXPLANATION

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- PROPOSED TOP OF LINER
- APPROXIMATE STATIC WATER LEVEL 5/92 TO 8/94 MEAN



CROSS-SECTION LOCATION MAP



ANDREWS ENVIRONMENTAL ENGINEERING, INC.
 3535 MAYFLOWER BOULEVARD
 SPRINGFIELD, ILLINOIS 62707
 (217)787-2334 FAX (217)787-9495

APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR
 LANDFILL 33, LTD.
 EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS

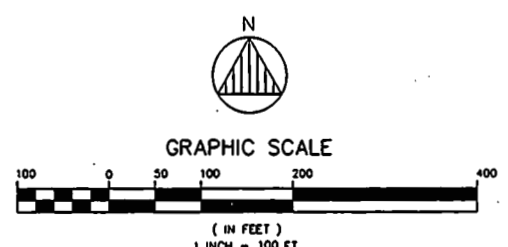
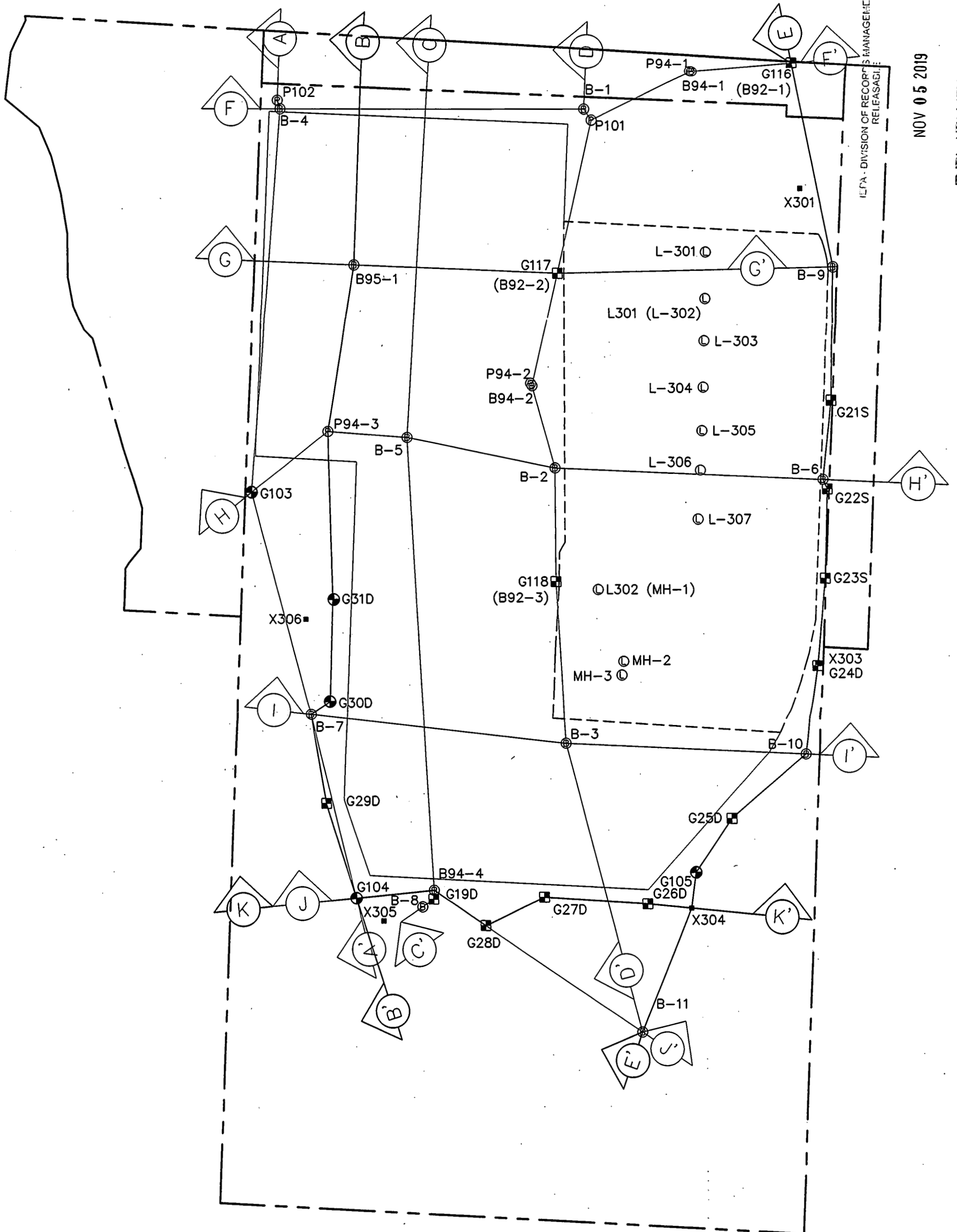
GEOLOGIC CROSS-SECTIONS
 H-H', I-I', J-J'

DRAWN BY: BLR	DATE: JUNE 1995	SHEET NUMBER
DESIGNED BY: TPD	PROJECT # 77-1188	H-7
APPROVED BY: X	FILE # PLANS	

ILPA - DIVISION OF RECORDS MANAGEMENT
RELEASED

NOV 05 2019

REVIEWER: MED



LEGEND	
●	GAS PROBE
○	BOREHOLE LOCATION
⊙	GROUNDWATER MONITORING WELL (PVC)
⊙	GROUNDWATER MONITORING WELL (SS)
⊙	GROUNDWATER PIEZOMETER
—	PROPERTY BOUNDARY
- - -	APPROXIMATE EXISTING FILL AREA
- - -	WASTE BOUNDARY (LATERAL EXPANSION)
- - -	ZONE OF ATTENUATION
—	DRAWING NUMBER
—	CROSS-SECTION REFERENCE
—	SHEET NUMBER

- NOTE**
1. PORTIONS OF THE PROPERTY BOUNDARY ARE ALSO THE ZONE OF ATTENUATION.
 2. THE GEOLOGIC CROSS SECTIONS A-A' THROUGH J-J' WERE CONSTRUCTED FOR THE JUNE 1995 APPLICATION FOR SIGNIFICANT MODIFICATION TO PERMIT FOR LANDFILL 33, LTD.
 3. THE GEOLOGIC CROSS SECTIONS B-B' AND E-E' HAVE BEEN REVISED AND K-K' HAS BEEN ADDED FOR THIS APPLICATION.

ANDREWS ENVIRONMENTAL ENGINEERING, INC
 3535 MAYFLOWER BOULEVARD
 SPRINGFIELD, ILLINOIS 62707
 (217)787-2334 FAX (217)787-9495

PLANS PREPARED FOR
LANDFILL 33, LTD.
 EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS

GEOLOGIC CROSS SECTION
 LOCATION MAP

DRAWN BY: BLR	DATE: JUNE 2001	SHEET NUMBER
DESIGNED BY: TPD	PROJECT # 118B	
APPROVED BY: X	FILE #H1:	H1-11B

APPENDIX C

IMPERMEABLE BEDROCK HYDRAULIC CONDUCTIVITY



PERMEABILITY & CLASSIFICATION TEST RESULTS

PROJECT: Landfill #33

DATE: 8-26-94

CLIENT: Andrews Environmental Eng.

PROJECT NO: 19-4263-2

REPORT NO: 1

SAMPLE IDENTIFICATIO	KLLP-2 @ 95% Standard Proctor		DEPTH/ELEV:	
CLASSIFICATION:	CL			USDA:
DESCRIPTION:	Brown, silty clay, with sand			
SOIL PARTICAL SIZES: (0.005 mm DIVISIONS)				
GRAVEL %	0	SAND %	34.9	SILT% 40.9 CLAY% 24.2
LIQUID LIMIT:	29	DENSITY:		NATURAL:
PLASTICITY INDEX:	13	MAX. DRY:	114.5	REMODEDED x
PERMEABILITY(k)CM/SEC:	8.20E-09	PROCTOR	Standard	

PERMEABILITY TEST DETAILS

SPECIMEN DATA IN CENTIMETERS	SAMPLE WEIGHT GRAMS:	1063.41
DIAMETER : 7.2923	INITIAL WEIGHT:	128.32
LENGTH: 12.3812	DRY UNIT WEIGHT:	108.80
AREA: 41.765585	INITIAL % W	17.94
VOLUME: 517.10806		
VOID RATIO: 0.5484795		
TEST APPARATUS:		

TEST PRESSURES IN psi

SATURATION:		CONSOLIDATION:	
CELL PRESSURE:	75	CELL PRESSURE:	75
BACK PRESSURE:	68	BACK PRESSURE:	68
TIME/ HRS.	12	TIME/ HRS.	12
PERMEABILITY:			
HYDRAULIC GRADIENT:	5.6772	DRIVING PSI	1
PERMEANT LIQUID: 0.005 N CaSO4		CM H2O	70.29
FLOW THRU SPECIMEN IN MILLILITERS	0.705		
TEMPERATURE CORRECTION:		TEMPERATURE	22
TIME/HRS:	96	FACTOR	0.9530

D



APPENDIX D

MODEL INPUT PARAMETER SUPPORT DOCUMENTATION

**MODEL INPUT PARAMETER SUPPORT DOCUMENTATION
TABLE OF CONTENTS**

<u>DOCUMENTATION #</u>	<u>DOCUMENTATION SUBJECT</u>
1	Diffusion Data - Shackelford (1990)
2	Diffusion Data - Domenico and Schwartz (1990)
3	Liner seepage Analysis - Giroud <i>et al.</i> (1989)
4	Dispersivity Analysis - Neuman (1990)
5	Dispersivity Analysis - Gelhar <i>et al.</i> (1992)
6	Partition Coefficient Data - Mercer <i>et al.</i> (1990)
7	Soil Partition Coefficient Data - Dragun (1988)
8	Soils Data - Sharp-Hansen <i>et al.</i> (1990)

DOCUMENTATION NUMBER 1

Laboratory Diffusion Testing For Waste Disposal - A Review

by

Charles D. Shackelford⁽¹⁾

submitted to the

Journal of Contaminant Hydrology

Elsevier Science Publishers

P.O. Box 330

1000 AH Amsterdam

The Netherlands

First Version: MARCH 23, 1990

Revised Version: AUGUST 3, 1990

⁽¹⁾ Assistant Professor, Department of Civil Engineering, Colorado State University, Fort Collins, CO 80523 (303) 491-5048.

This paper was first presented at the session on "Clays as Containment Barriers" at the 26th Annual Meeting of the Clay Minerals Society, California State University, Sacramento, CA, September 25-28, 1989.

ABSTRACT

This paper reviews the state-of-the-art for the measurement in the laboratory of diffusion coefficients of chemical waste constituents in fine-grained soils. The purpose of the review is to present the experimental and analytical methods for determining liquid-phase diffusion coefficients which can be used in practice for the design and evaluation of waste containment barriers.

After the appropriate equations describing mass transport in soil are presented, the practical significance of diffusion coefficients in soil (known as "effective diffusion coefficients") are described. Appropriate analytical solutions required to calculate the effective diffusion coefficient (D^*) from the measured laboratory data also are presented for several different initial and boundary conditions. The advantages and disadvantages of each method are noted.

A summary of effective diffusion coefficients from the literature suggests that the major physical factor affecting the value of the measured diffusion coefficient is the degree of saturation of the soil, with D^* values for nonreactive and reactive solutes in saturated soils being as much as 10 to 100 times higher than the corresponding values in unsaturated soils. Most of the other physical factors only become important in soils which are highly unsaturated. In addition, the diffusive transport rates of reactive solutes subject to reversible sorption reactions can be as much as 15,000 times lower than those of nonreactive solutes in saturated soils and from 100 to 100,000 times lower in unsaturated soils.

Table 2 - Effective Diffusion Coefficients for Selected Chemical Species

(A) Saturated Soils:

Ion	Soil(s)	System of Measurement ⁽¹⁾	Diffusion Coefficient			Reference(s)
			Type	Form	Value(s)	
³⁶ Cl ⁻	Sand	HC	Self	D _o τ	5.6x10 ⁻¹⁰	Clarke & Graham (1968)
	Loam				7.1x10 ⁻¹⁰	
	Clay				6.1x10 ⁻¹⁰	
	Sand:Bentonite	HC	Salt	D _o τ	7.0-10x10 ⁻¹⁰	Gillham et al. (1984)
Cl ⁻	Silty Clay Loam; Sandy Loam	HC	Counter	D _o τ	1.6-4.4x10 ⁻¹⁰	Barracough & Tinker (1981)
	Silty Clay	CCC	Salt	D _o τ	6,10x10 ⁻¹⁰	Crooks & Quigley (1984)
	Clay Till	CDC	Salt	D _o τ	5.7-6.3x10 ⁻¹⁰	Rowe et al. (1988)
	Kaolinite Clay Soil	SRDC	Salt	D _o τ	4.4-10x10 ⁻¹⁰ 1.5-4.7x10 ⁻¹⁰	Shackelford (1988a)
Br ⁻	Silty Clay Loam; Sandy Loam	HC	Counter	D _o τ	3.7-6.4x10 ⁻¹⁰	Barracough & Tinker (1981)
	Soil Cores (Field)	HC	Counter	D _o τ	5.0-7.0x10 ⁻¹⁰	Barracough & Tinker (1982)
	Kaolinite Clay Soil	SRDC	Salt	D _o τ	4.8-9.9x10 ⁻¹⁰ 1.0-18x10 ⁻¹⁰	Shackelford (1988a)
³ H ⁺	Sand: Bentonite	HC	Salt	D _o τ	8.0-17x10 ⁻¹⁰	Gillham et al. (1984)
	Kaolinite Montmorillonite	HC	Self	D _o τ	5.3-10.9x10 ⁻¹⁰ 4.5-9.0x10 ⁻¹⁰	Phillips & Brown (1968)
³² P	Montmorillonite	HC	Self	D _o τ	1.7-12x10 ⁻¹²	Phillips et al. (1968)
	Kaolinite				0.28-22x10 ⁻¹²	
	Illite				2.0-34x10 ⁻¹⁴	
	Silt Loam				5.0-35x10 ⁻¹³	
	Clay Loam				8.6-40x10 ⁻¹³	
K ⁺	Clay Till	CDC	Salt	D _o τ	6.3,7.0x10 ⁻¹⁰	Rowe et al. (1988)
	Kaolinite Clay Soil	SRDC	Salt	D _o τ	1.2-1.8x10 ⁻⁹ 2.0x10 ⁻⁹	Shackelford (1988a)

Table 2 (Continued):

Ion	Soil(s)	System of Measurement ⁽¹⁾	Diffusion Coefficient			Reference(s)
			Type	Form	Value(s)	
Na ⁺	Silty Clay	CCC	Salt	D _o τ	2.5, 3.5x10 ⁻¹⁰	Crooks & Quigley (1984)
	Clay Till	CDC	Salt	D _o τ	4.8, 5.7x10 ⁻¹⁰	Rowe et al. (1988)
⁸⁶ Rb ⁺	Kaolinite	HC	Self	D _o τ	2.4x10 ⁻¹⁰	Phillips & Brown (1964)
	Silt Loam				1.2x10 ⁻¹⁰	
	Clay Loam				6.8x10 ⁻¹¹	
	Montmorillonite				5.4x10 ⁻¹¹	
	Kaolinite		Counter	$\frac{D_o\tau}{R_d}$	8.2x10 ⁻¹¹	
	Silt Loam				6.1x10 ⁻¹¹	
	Clay Loam				4.8x10 ⁻¹⁰	
	Montmorillonite				3.9x10 ⁻¹¹	
Ca ²⁺	Clay Till	CDC	Salt	D _o τ	3.8x10 ⁻¹⁰	Rowe et al. (1988)
Cd ²⁺	Kaolinite	SRDC	Salt	D _o τ	3.2-7.6x10 ⁻¹⁰	Shackelford (1988a)
	Clay Soil				3.0-10x10 ⁻¹⁰	
Cu ²⁺	Kaolinite	SRCC	Salt	$\frac{D_o\tau}{R_d}$	4.2x10 ⁻¹⁰	Ellis et al. (1970a)
	Montmorillonite				2.7-9.5x10 ⁻¹¹	
Fe ²⁺	Montmorillonite	SRCC	Salt	$\frac{D_o\tau}{R_d}$	1.0x10 ⁻¹⁰	Ellis et al. (1970b)
Fe ³⁺					1.6-4.4x10 ⁻¹¹	
Mn ²⁺	Kaolinite	SRCC	Salt	$\frac{D_o\tau}{R_d}$	4.5x10 ⁻¹⁰	Ellis et al. (1970a)
Pu ⁴⁺	Bentonite	SRCC	Salt	$\frac{D_o\tau}{R_d}$	<1-300x10 ⁻¹⁴	Idemitsu et al. (1990)
⁸⁵ Sr ²⁺	Sand: Bentonite	HC	Salt	$\frac{D_o\tau}{R_d}$	5.0-20x10 ⁻¹⁰	Gillham et al. (1984)
⁸⁹ Sr ²⁺	Clay Soil	SRDC	Self	$\frac{D_o\tau}{R_d}$	1.0-1.x10 ⁻¹¹	Mott & Nye (1968)
Zn ²⁺	Kaolinite	SRCC	Salt	$\frac{D_o\tau}{R_d}$	5.1x10 ⁻¹⁰	Ellis et al. (1970a)
	Kaolinite Clay Soil	SRDC	Salt	$\frac{D_o\tau}{R_d}$	3.5-10x10 ⁻¹⁰ 1.5-25x10 ⁻¹⁰	Shackelford (1988a)
C ₆ H ₆ TCE Toluene C ₆ H ₅ Cl	Clay Till	SRDC	Salt	$\frac{D_o\tau}{R_d}$	1.1x10 ⁻¹¹ 6.0x10 ⁻¹² 4.0x10 ⁻¹² 3.0x10 ⁻¹²	Myrand et al. (1989)

Table 2 (Continued):

Ion	Soil(s)	System of Measurement ⁽¹⁾	Diffusion		Coefficient Value(s)	Reference(s)
			Type	Form		
(B) Unsaturated Soils:						
³⁶ Cl ⁻	Silt Loam	HC	Counter	D _o τ	0.63-12x10 ⁻¹⁰	Warncke & Barber (1972a)
					1.0-11x10 ⁻¹⁰	Warncke & Barber (1972b)
Cl ⁻	Sandy Loam	HC	Self	D _o τθ	4.1-7.0x10 ⁻¹⁰	Barracough & Nye (1979)
NO ₃ ⁻	Glass Beads Sand Silt	HC	Counter	D _o τ	1.5x10 ⁻⁹	Romkens & Bruce (1964)
					1.4x10 ⁻⁹	
					1.3x10 ⁻⁹	
³² P	Silty Clay Loam	SS,HC	Self	D _o τθ	0.4-15.5x10 ⁻¹¹	Barracough & Nye (1979)
⁸⁶ Rb ⁺	Clay; Sandy Loam; Silt Loam	HC	Self	D _o τθ	5.6-15.5x10 ⁻¹²	Graham-Bryce (1963c)
		HC	Self	$\frac{D_o\tau}{R_d}$	6.4-45x10 ⁻¹²	Patil et al. (1963)
¹⁰⁹ Cd ⁺²	Silt Loam; Loam	HC	Counter	$\frac{D_o\tau}{R_d}$	5.2-32x10 ⁻⁹	Mullins & Sommers (1986)
⁶⁵ Zn ²⁺	Natural Soil	HC	Self	$\frac{D_o\tau}{R_d}$	0.6-82x10 ⁻¹²	Gupta & Deb (1982)
		HC	Counter	$\frac{D_o\tau}{R_d}$	0.18-17x10 ⁻¹⁴	Mullins & Sommers (1986)
	Silt Loam	HC	Counter	$\frac{D_o\tau}{R_d}$	1.0x10 ⁻¹⁶ 1.0x10 ⁻¹¹	Warncke & Barber (1972a, b)

- (1) SS = steady-state
 CCC = column with constant source concentration
 CDC = column with decreasing source concentration
 HC = half-cell
 SRCC = single reservoir with constant source concentration
 SRDC = single reservoir with decreasing source concentration

Table 3 - Summary of Effective Diffusion Coefficients

Type of Solute	Form of Diffusion Coefficient	Range of Effective Diffusion Coefficients (m^2/s)	
		Saturated Soil	Unsaturated Soil
Nonreactive	D^*	1.0×10^{-10} to 1.8×10^{-9}	6.3×10^{-11} to 1.5×10^{-9}
Reactive	D^*	1.5×10^{-10} to 2.5×10^{-9}	4.0×10^{-10} to 1.55×10^{-10}
	D_{λ}^*	1.0×10^{-14} to 2.0×10^{-9}	1.0×10^{-16} to 8.2×10^{-11}

DOCUMENTATION NUMBER 2

Physical and Chemical Hydrogeology

Patrick A. Domenico

*David B. Harris Professor of Geology
Texas A&M University*

Franklin W. Schwartz

*Ohio Eminent Scholar in Hydrogeology
The Ohio State University*



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Chicester

Brisbane

Toronto

Singapore

Table 10.1

Diffusion coefficients in water for some ions at 25°C
(from Li and Gregory, 1974)*

Cation	D_d (10^{-6} cm ² /s)	Anion	D_d (10^{-6} cm ² /s)
H ⁺	93.1	OH ⁻	52.7
Na ⁺	13.3	F ⁻	14.6
K ⁺	19.6	Cl ⁻	20.3
Rb ⁺	20.6	Br ⁻	20.1
Cs ⁺	20.7	HS ⁻	17.3
		HCO ₃ ⁻	11.8
Mg ²⁺	7.05		
Ca ²⁺	7.93	CO ₃ ²⁻	9.55
Sr ²⁺	7.94	SO ₄ ²⁻	10.7
Ba ²⁺	8.48		
Ra ²⁺	8.89		
Mn ²⁺	6.88		
Fe ²⁺	7.19		
Cr ³⁺	5.94		
Fe ³⁺	6.07		

* Reprinted with permission from *Geochim. Cosmochim. Acta*, 38, Y.-H. Li and S. Gregory, Diffusion of ions in sea water and in deep-sea sediments. Copyright 1974. Pergamon Press plc.

DOCUMENTATION NUMBER 3

Technical Note

Evaluation of the Rate of Leakage Through Composite Liners

This technical note presents equations to determine the rate of leakage through composite liners. In the context of this note, a composite liner is a liner that has two components—a geomembrane and a layer of low-permeability soil. Only the case where the geomembrane is placed on top of the low-permeability soil layer is considered herein.

To leak through a composite liner, liquid must first pass through the geomembrane. All geomembranes have some permeability, but the resulting leakage rate is usually negligible if the liquid is water; in contrast, the permeability of some geomembranes to some chemicals is high. In this technical note, only water will be considered and only leakage due to holes in the geomembrane will be studied. (A thorough discussion of geomembrane holes and guidance regarding hole size and frequency to be considered in designs can be found in a paper by Giroud and Bonaparte.¹)

Water flows first through a geomembrane hole, then laterally between the geomembrane and the soil, and finally through the soil layer. Lateral flow occurs in practically all cases because there is not perfect contact between the geomembrane and the underlying soil, as discussed by Giroud and Bonaparte.² Because of the complexity of this mechanism, no complete analytical solution is available and an interpolation method combining theoretical and experimental results has been proposed.² To use this method, it is necessary to draw curves. Lengthy calculations are required to establish each curve, which is valid only for a given set of the following parameters: depth of water on top of the geomembrane, geomembrane hole area, and hydraulic conductivity of the low-permeability soil. (The method does not consider cracks in the low-permeability soil layer.) Each

curve gives the value of the leakage rate for two cases of contact conditions between the geomembrane and the low-permeability soil, which are defined as follows:

- The *good contact condition* corresponds to a geomembrane installed, with as few wrinkles as possible, on top of a low-permeability soil layer that has been adequately compacted and has a smooth surface.
- The *poor contact condition* corresponds to a geomembrane that has been installed with a certain number of wrinkles, and/or placed on a low-permeability soil that has not been well compacted and does not appear smooth.

The leakage rate is greater in the case of poor contact than in the case of good contact, because there is more lateral-flow.

The interpolation method described above is very useful since there is no analytical method available, but it is extremely cumbersome. The authors of this technical note have drawn approximately 500 interpolation curves and have plotted the results using different scales. It appeared that families of approximately parallel linear curves were obtained when plotting the leakage rate, Q , as a function of any of the three parameters (depth of water on top of the geomembrane, h_w ; geomembrane hole area, a ; and soil hydraulic conductivity, k_s). Therefore, Q is approximately proportional to $h_w^x a^y k_s^z$. The best fit appeared to be, in the case of good contact:

$$Q = 0.21 h_w^{0.9} a^{0.1} k_s^{0.74} \quad (1)$$

and, in the case of poor contact:

$$Q = 1.15 h_w^{0.9} a^{0.1} k_s^{0.74} \quad (2)$$

These equations are valid only with the following SI units: Q (m³/s), h_w (m), a (m²), and k_s (m/s). As a result of assumptions made in the development of the interpolation method,² the above equations have the following limitations:

- The depth of water on top of the geomembrane must be less than the thickness of the low-permeability soil layer. (When this condition is fulfilled, the leakage rate is practically independent of the thickness of the low-permeability soil layer.)
- Water is assumed to be at 20°C. If the water temperature is different, the calculated leakage rate must be multiplied by η_{w20}/η_{wT} , where η_{w20} = viscosity of water at 20°C and η_{wT} = viscosity of water at temperature T .
- The hydraulic conductivity of the low-permeability soil must be between 1×10^{-10} m/s and 1×10^{-6} m/s.

- If there is soil on top of the geomembrane, this soil must be more permeable than the low-permeability soil under the geomembrane.

Using the above equations, it is possible for a given depth of water on top of the geomembrane and a given geomembrane hole area to compare the rate of leakage through a composite liner with the rate of leakage through a geomembrane alone, i.e. a geomembrane overlain and underlain by a highly permeable material. In the latter case, the leakage rate is given by Bernoulli's equation for free flow through an orifice:

$$Q = 0.6a\sqrt{2gh_w} \quad (3)$$

where g = acceleration of gravity.

For example, for a 10^{-4} m^2 (1 cm^2) hole and a depth of water of 0.3 m, the above equations give a leakage rate of $1.5 \times 10^{-4} \text{ m}^3/\text{s}$ in the case of a geomembrane alone, and the following values in the case of a composite liner: $5.6 \times 10^{-6} \text{ m}^3/\text{s}$ (poor contact, $k_s = 10^{-6} \text{ m/s}$); $1.0 \times 10^{-6} \text{ m}^3/\text{s}$ (good contact, $k_s = 10^{-6} \text{ m/s}$); $3.4 \times 10^{-8} \text{ m}^3/\text{s}$ (poor contact, $k_s = 10^{-9} \text{ m/s}$); and $6.2 \times 10^{-9} \text{ m}^3/\text{s}$ (good contact, $k_s = 10^{-9} \text{ m/s}$). In these examples, the leakage rate through the composite liner is between 25 and 25 000 times less than through a geomembrane alone. More on comparison between a geomembrane alone and a composite liner can be found in a paper by Bonaparte *et al.*³

Therefore, even though the geomembrane component of a composite liner is never in perfect contact with the underlying low-permeability soil component, leakage rates through composite liners are significantly less than leakage rates through geomembranes alone.

The equations presented in this technical note allow comparison of various lining systems and evaluation of leakage from a containment facility. They are useful to design lining systems for municipal and hazardous waste landfills, liquid impoundments, ore leach pads, canals, and dams.

The authors are indebted to R. Bonaparte and B. A. Gross for their review of this technical note.

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DOCUMENTATION NUMBER 4

Universal Scaling of Hydraulic Conductivities and Dispersivities in Geologic Media

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An interpretation is offered for the observation that dispersivities increase with scale. Apparent longitudinal dispersivity data from a variety of hydrogeologic settings are assumed to represent a continuous hierarchy of log hydraulic conductivity fields with mutually uncorrelated increments, each field having its own exponential autocovariance, associated integral scale, and variance that increases as a power of scale. Such a hierarchy is shown theoretically to form a self-similar random field with homogeneous increments. Regardless of whether or not the underlying assumption is valid, one can justify interpreting the apparent dispersivities in a manner consistent with a recent quasi-linear theory of non-Fickian and Fickian dispersion in homogeneous media which supports the notion of a self-similar hierarchy a posteriori. The hierarchy is revealed to possess a semivariogram $\gamma(r) \equiv cr^{1/E}$, where c is a constant, and a fractal dimension $D \equiv E + 0.75$, where E is the topological dimension of interest. This can be viewed as a universal scaling rule about which large deviations occur due to local influences including the existence of discrete natural scales at which log hydraulic conductivity is statistically homogeneous. As such homogeneity is at best a local phenomenon occurring intermittently over narrow bands of the scale spectrum, one must question the utility of associating medium properties with representative elementary volumes and relying on Fickian models of dispersion over more than relatively narrow scale intervals. Porous and fractured media appear to follow the same idealized scaling rule for both flow and transport, raising a question about the validity of many distinctions commonly drawn between such media. Finally, the data suggest that conditioning transport models through calibration against hydraulic measurements has the effect of filtering out large-scale modes from the hierarchy.

INTRODUCTION

Chemical transport in geologic media is known to be strongly influenced by spatial variations in hydraulic conductivity. Such variations produce fluctuations in the groundwater velocity which in turn cause dissolved chemicals to spread at rates considerably greater than those normally observed in laboratory column experiments. Field tracer tests [e.g., *Peaudecerf and Saury, 1978; Freyberg, 1986*] suggest that in relatively uniform materials the rate of longitudinal spread increases in a non-Fickian fashion with time or mean travel distance toward a constant Fickian limit. In an experiment with inorganic tracers at Borden, Ontario, Canada [*Freyberg, 1986*], the plume reached a Fickian rate of longitudinal spread in less than 3 years while the rate of transverse spread continued to vary, resulting in a quasi-Fickian regime. This behavior has been reproduced with increasing degrees of success by means of two-dimensional models based originally on a linear non-Fickian theory due to *Dagan [1984, 1987, 1988]* and more recently a quasi-linear theory developed by *Neuman and Zhang [1990]* and *Zhang and Neuman [1990]*. The latter authors have demonstrated that three-dimensional models are in fundamental conflict with observed behavior at Borden and in other stratified formations but that this conflict is easily resolved (at least in principle) by considering hydraulic anisotropy on the local scale. Both the linear and nonlinear theories deal exclusively with ensemble mean concentrations and therefore provide at best an estimate of how actual concentrations evolve with time. The fact that ensemble plume moments obtained from these theories agree quite well with observed spatial mo-

ments of the Borden plume suggests that estimation errors associated with nonergodic phenomena are small compared to sampling errors during both the non-Fickian and quasi-Fickian stages of the experiment.

Existing linear [*Dagan, 1984, 1987, 1988*] and quasi-linear [*Neuman and Zhang, 1990; Zhang and Neuman, 1990*] theories of non-Fickian dispersion generally deal with statistically homogeneous media in which the log hydraulic conductivity variance, σ_Y^2 , and tensor of correlation or integral scales, L , are fixed and finite. Both theories state that if the mean seepage velocity in such a medium is uniform and independent of time, a plume attains a constant (Fickian) rate of longitudinal spread after traversing a mean distance of only a few directional correlation scales, L_μ (defined precisely in (3) below), from its source. This Fickian rate is characterized by a longitudinal macrodispersivity α_L that depends only on the constants σ_Y^2 and L_μ . Yet when one examines over 130 longitudinal dispersivities deduced by means of continuum Fickian theories from laboratory and field tracer studies in a variety of porous and fractured media under varied flow and transport regimes, one finds that they increase without limit with the scale of the study [*Lallemant-Barres and Peaudecerf, 1978; Anderson, 1979; Pickens and Grisak, 1981; Gelhar, 1986; Arya et al., 1988; Lake, 1988, 1989*]. Even though a plot of α_L versus experimental scale on logarithmic paper shows a very wide scatter, there is no mistaking a systematic increase in longitudinal dispersivity with scale, known in the literature as "the scale effect."

It is common in the stochastic groundwater literature to distinguish between four major scales: pore, laboratory, local field at the formation level, and regional [*Dagan, 1986, 1989*]. However, *Sposito et al. [1986, p. 84]* have recognized that "a precise mathematical formulation and explanation of

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Paper number 90WR00596.
0043-1397/90/90WR-00596\$05.00

the scale effect" must be built on the concept of "evolving spatial heterogeneities" which "evidently . . . would require simultaneous consideration of several scales in a continuum manner." This is so because "on physical grounds, it is conceivable that in natural aquifers, more than two time scales come into play in solute transport phenomena as new spatial heterogeneities appear at larger displacement distances. These heterogeneities may have the effect that solute movement is always in a state of transition without ever reaching asymptotic behavior, as was discussed by Gillham *et al.* [1984]." Though "preliminary ideas along this direction are discussed by Bhattacharya and Gupta [1983], Cushman [1984], and Gupta and Bhattacharya [1986] . . . a proper understanding of this very basic and important issue awaits much more research on both the theoretical and experimental sides." Sposito *et al.* [1986, p. 86] have concluded that "the stochastic convection-dispersion model has not yet proved useful in shedding fundamental light on the scale effect."

The stochastic model referred to by Sposito *et al.* [1986] is based on the classical assumption that hydraulic heterogeneities are statistically homogeneous on a scale much smaller than the region being studied. That this assumption may not always be adequate was pointed out nearly 15 years ago by Winograd and Pearson [1976] in connection with a regional carbon 14 anomaly at Ash Meadows in south central Nevada. Based on their conclusion that the anomaly is related to transport through the regional carbonate aquifer of the south central Great Basin, the authors developed a doubt that [Winograd and Pearson, 1976, p. 1125] "all heterogeneities in fractured, solution-riddled, or lava tube-permeated aquifers are small-scale features or that they may not in some instances reinforce rather than cancel each other with regard to their effects on the distribution of velocity and concomitant dispersion of mass in a given aquifer." They pointed out that "major heterogeneities, such as shoestring sands, can also cause large local differences in velocity (and hence dispersion) even in unfractured, unconsolidated, and highly porous sediments, as was demonstrated by the classic laboratory study of Skibitzke and Robinson [1963]." Their own study in Nevada has suggested to the authors that "greatly differing rates of groundwater flow and concomitant distribution of mass may also occur on a regional scale, owing to channeling." Where detailed information about such channels and other flow paths is lacking (as is usually the case), the alternative is to treat them as statistical heterogeneities on a multiplicity of scales.

Past interpretations of the scale effect by Arya *et al.* [1988] (see also Lake [1988, 1989]) and Wheatcraft and Tyler [1988] have relied on various fractal representations of solute travel distance. Although the slope of log longitudinal dispersivity versus log scale appears to diminish as the latter increases, these interpretations have considered only a single straight-line fit to all or a portion of such data. A line of this kind represents a power relationship between α_L and scale which, as pointed out by Philip [1986], is consistent with the notion of a fractal Lagrangian velocity field that has neither a finite variance nor finite temporal correlation scales. Although Philip has not stated so directly, his analysis implies that the Eulerian velocity field, and the log hydraulic conductivity field which gives rise to spatial velocity fluctuations, might also be fractal. That log hydraulic conductivities may indeed exhibit fractal behavior is evident from the

analysis of Mount Simon aquifer data by Ababou *et al.* [1988].

The present paper shows that a fractal model of log hydraulic conductivities is indeed consistent with the scale effect exhibited by field and laboratory dispersivities discussed by Lallemand-Barres and Peaudecerf [1978], Pickens and Grisak [1981], Gelhar [1986], and Arya *et al.* [1988] over the entire range of observed scales. These apparent dispersivities derive a priori not from a fractal model of dispersion but from Fickian models which assume (explicitly or tacitly) that log hydraulic conductivity is statistically homogeneous. This and the fact that scale dependence is a non-Fickian phenomenon suggest that the data should be consistent with the recent quasi-linear theory of Neuman and Zhang [1990] and Zhang and Neuman [1990], which accounts for both Fickian and non-Fickian dispersion in homogeneous media. Such consistency is indeed achieved by stipulating a posteriori that log hydraulic conductivities are not statistically homogeneous but form a random fractal. The result is a scaling rule which in a mean sense applies universally over the broad class of geologic media and wide range of scales represented by the available data.

THEORETICAL BACKGROUND

The quasi-linear theory of Neuman and Zhang [1990] and Zhang and Neuman [1990] predicts the manner in which ensemble mean concentrations evolve during the preasymptotic or non-Fickian stage toward an asymptotic or Fickian regime in three-dimensional geologic media that are statistically homogeneous. More precisely, the theory predicts how the dispersivity tensor α and spatial covariance tensor X of ensemble mean concentrations in a plume having zero initial spread vary with dimensionless time (mean travel distance relative to correlation scale) t_μ , effective Peclet number P , and degree of anisotropy in a homogeneous log hydraulic conductivity field characterized by the anisotropic exponential covariance

$$\rho_Y(\bar{x}) = \sigma_Y^2 \exp \left[- \left(\frac{\bar{x}_1^2}{L_1^2} + \frac{\bar{x}_2^2}{L_2^2} + \frac{\bar{x}_3^2}{L_3^2} \right)^{1/2} \right] \quad (1)$$

where σ_Y^2 is the variance of $Y = \ln K$, K being hydraulic conductivity, and L_1, L_2 , and L_3 are its integral scales in the principal directions of anisotropy \bar{x}_1, \bar{x}_2 , and \bar{x}_3 . The dimensionless quantities t_μ and P are defined as

$$t_\mu = \mu t / L_\mu \quad P = \mu L_\mu / d_1 \quad (2)$$

where μ is the magnitude of the constant seepage velocity vector μ , t is time,

$$L_\mu^{-2} = \beta_1^T L^{-2} \beta_1 \quad (3)$$

β_1 is a unit vector representing the direction cosines of μ with respect to principal coordinates \bar{x} , and T indicates transpose. The scalar L_μ is the length of a radius vector parallel to μ of an ellipsoid having semiaxes L_1, L_2 , and L_3 oriented along \bar{x}_1, \bar{x}_2 , and \bar{x}_3 , respectively. It represents the "directional integral scale" of the covariance function $\rho_Y(\bar{x})$ parallel to the mean seepage velocity vector. The scalar d_1 is the longitudinal component of the effective macrodispersion tensor d , where

$$d = d_i + \frac{1}{2} \lim_{t \rightarrow \infty} dX/dt \quad (4)$$

and d_i is a tensor accounting for Fickian dispersion on the local scale (most appropriately molecular diffusion). Since X cannot be computed without knowing d and vice versa, the relationship between them is nonlinear (or rather quasi-linear because d is constant and hence the integrodifferential equation (7) of *Neuman and Zhang* [1990] can be solved in closed form for X). As shown by *Zhang and Neuman* [1990], the eigenvectors of d are virtually parallel and normal to the velocity vector μ . This means that in the \bar{x} coordinates, d is diagonal with principal components (eigenvalues) d_1 parallel to \bar{x}_1 and μ , d_2 parallel to \bar{x}_2 , and d_3 parallel to \bar{x}_3 . The ensemble mean is of interest as the most easily obtained estimate of the actual concentration, which of course cannot be predicted without knowing the groundwater velocity at each point in space.

In the absence of local dispersion, P in (2) takes on the simpler form

$$P = L_\mu / \alpha_{\infty L} \quad (5)$$

where $\alpha_{\infty L}$ is the (constant) Fickian asymptote of the longitudinal macrodispersivity α_L as $t \rightarrow \infty$. The quasi-linear theory implies that under this condition, P is related to σ_Y^2 and the asymptotic dimensionless longitudinal dispersivity $\alpha_{\infty DL}$ through [*Neuman and Zhang*, 1990, equation (66)]

$$\alpha_{\infty DL} P = 1 / \sigma_Y^2 \quad (6)$$

where $\alpha_{\infty DL} \leq 1$. It follows that in mildly nonuniform media in which $\sigma_Y^2 < 1$ the effective Peclet number satisfies $P \geq 1$. Hence the following expression for $\alpha_{\infty L}$, which according to the quasi-linear theory is valid for three-dimensional dispersion in such media, can be stated as

$$\alpha_{\infty L} = \alpha_{\infty DL} L_\mu \sigma_Y^2 \quad \alpha_{\infty L} \leq L_\mu \quad (7)$$

In some strongly anisotropic media [*Zhang and Neuman*, 1990, Figures 1, 6, and 7], $\alpha_{\infty DL} \ll 1$, and therefore (7) is valid only when $\alpha_{\infty L} \ll L_\mu$. In both cases, $\alpha_{\infty DL}$ is independent of P .

All existing stochastic theories are nominally restricted to very mildly heterogeneous media in which $\sigma_Y^2 \ll 1$. However, the quasi-linear theory is believed by its developers to be less prone to error than linear theories when extended to strongly heterogeneous media in which $\sigma_Y \geq 1$. This is so because the quasi-linear theory deals with nonlinearity due to the deviation of plume "particles" from their mean trajectory without formally limiting σ_Y^2 . The expression for $\alpha_{\infty L}$ corresponding to $\sigma_Y \gg 1$ follows from (5), (6), and the relationship [*Neuman and Zhang*, 1990, equation (47)]

$$\alpha_{\infty DL} = c^2 P \quad P \ll 1 \quad (8)$$

where c is a constant slightly larger than 2 in isotropic media [*Neuman and Zhang*, 1990, Figure 6] but 1 or smaller in anisotropic media [*Zhang and Neuman*, 1990, Figure 1]. It takes the form

$$\alpha_{\infty L} = c L_\mu \sigma_Y \quad \alpha_{\infty L} \gg L_\mu \quad (9)$$

and, together with (8), may be valid in anisotropic media for $\sigma_Y \ll 1$ or, equivalently, $\alpha_{\infty L} \ll L_\mu$ (i.e., $P \gg 1$ [*Zhang and Neuman*, 1990, conclusion 1]).

Two-dimensional dispersion occurs when mean flow takes place in a plane normal to a principal integral scale that is much larger than the other two principal integral scales, and one-dimensional dispersion occurs when mean flow takes place parallel to a principal integral scale that is much shorter than the other two. Hence two-dimensional dispersion of the kind generally observed in stratified formations (for reasons discussed by *Zhang and Neuman* [1990]), and one-dimensional dispersion of the kind encountered in laboratory column experiments, can be viewed as special cases of three-dimensional dispersion in anisotropic media. We thus expect (7) and (9) to be valid regardless of whether dispersion takes place in one, two, or three dimensions within a uniform mean velocity field.

Let $s(t) = \mu t$ designate the mean travel distance of a plume from its source. Then the following expression for longitudinal dispersivity during the early stages of non-Fickian transport, which the quasi-linear theory states is valid when $t_\mu \ll 1$ and $t_\mu \ll P$, can be written as [*Neuman and Zhang*, 1990, equation (42)]

$$\alpha_L(s) = c_0 s(t) \sigma_Y^2 \quad s(t) \ll L_\mu \quad \frac{s(t)}{L_\mu} \ll \frac{L_\mu}{\alpha_{\infty L}} \quad (10)$$

where $c_0 \equiv 0.5$ in statistically isotropic media [*Neuman and Zhang*, 1990, Figure 6] and can be 1 or larger in statistically anisotropic media [*Zhang and Neuman*, 1990, Figure 1]. This shows that when L_μ is larger than both $s(t)$ and $\alpha_{\infty L}$, the preasymptotic longitudinal dispersivity varies linearly with the mean travel distance. On the other hand, when $P \ll 1$ and $P \ll t_\mu$, according to the quasi-linear theory, the non-Fickian and Fickian macrodispersivities are identical [*Neuman and Zhang*, 1990, equation (47)]. Hence we have in analogy to (9)

$$\alpha_L = c L_\mu \sigma_Y \quad \alpha_{\infty L} \gg L_\mu \quad \frac{L_\mu}{\alpha_{\infty L}} \ll \frac{s(t)}{L_\mu} \quad (11)$$

which, like (9), may be valid in anisotropic media when $\alpha_{\infty L} \ll L_\mu$ and $s(t) \leq L_\mu$.

The above results apply to a statistically homogeneous (in a wide sense) medium characterized by a given log hydraulic conductivity variance σ_Y^2 and tensor of integral scales, L . However, geologic media tend to form discrete homogeneous units on not one but a hierarchy of scales. A geologic unit may exhibit homogeneity with respect to log hydraulic conductivity on a given scale and to have a mean that is drastically different from that of all neighboring units. As long as a plume evolves primarily within the confines of such a homogeneous unit, its spread is controlled almost entirely by the properties of this unit. If the plume travels a mean distance of several integral scales while remaining entirely within the confines of the same unit, it may start showing Fickian or quasi-Fickian behavior [*Neuman and Zhang*, 1990, Figures 6-8; *Zhang and Neuman*, 1990, Figures 1-3, 6-11, 14-16]. As the plume starts spreading into neighboring units, larger-scale fluctuations in log hydraulic conductivity come into play. Their effect can be included in the analysis through the notion of nested structures, as has been done for various soil properties by *Burrough* [1983a, b] (see also *Journel and Huijbregts* [1978, p. 150]) and for groundwater velocities by *Philip* [1986].

Let $Y^i(x)$ be the log hydraulic conductivity fluctuation

associated with the i th homogeneous unit in the hierarchy. We represent $Y^i(x)$ as the superposition of separate contributions $Y_j^i(x)$ from this and all lower levels of the hierarchy, $0 \leq j \leq i$,

$$Y^i(x) = \sum_{j=0}^i Y_j^i(x) \quad (12)$$

Each of the contributing fluctuations $Y_j^i(x)$ has a distinct variance $\sigma_{Y_j}^2$ and tensor of integral scales L_j such that $L_j < L_{j+1}$ where $L_j = \|L_j\|$, the latter being a consistent norm (measure of the "magnitude") of L_j . Spatial increments of the contributions are mutually uncorrelated so that the semivariogram of $Y^i(x)$, $\gamma_{Y^i}(s)$ where s is a displacement vector, becomes simply the sum of semivariograms contributed by $Y_j^i(x)$,

$$\gamma_{Y^i}(s) = \sum_{j=0}^i \gamma_{Y_j^i}(s) \quad (13)$$

Although geologic media are often divisible into discrete hierarchical units, we work below with a continuous hierarchy and an infinite range of scales. In particular, we replace the summation in (13) by an infinite integral as was done for the Lagrangian correlation function of velocities in the time domain by Philip [1986]. We concentrate on semivariograms along a given direction defined by a unit vector ν parallel to the displacement vector s . Let s be the scalar magnitude of s and L_ν the integral scale in the direction of the displacement, defined as

$$L_\nu^{-2} = \nu^T L^{-2} \nu \quad (14)$$

Then the semivariogram that corresponds to the exponential covariance function (1), with directional integral scale L_ν and associated variance $\sigma_{Y^i}^2(L_\nu)$, takes the form

$$\gamma_{Y^i}(s; L_\nu) = \sigma_{Y^i}^2(L_\nu) [1 - \exp(-s/L_\nu)] \quad (15)$$

Integration over all possible integral scales L_ν yields

$$\gamma_{Y^i}(s) = \int_0^\infty \sigma_{Y^i}^2(n) (1 - e^{-ns}) dn \quad (16)$$

where n , defined as

$$n = L_\nu^{-1} \quad (17)$$

is a wave (or mode) number representing the spatial periodicity (or frequency) of log hydraulic conductivity fluctuations in the direction ν . Clearly, the semivariogram $\gamma_{Y^i}(s)$ in (16) is not associated with any preferred variance $\sigma_{Y^i}^2$ or integral scale L_ν .

Consider the special case where

$$\sigma_{Y^i}^2(n) = C n^{1+2\omega} \quad 0 < 2\omega < 1 \quad (18)$$

and C is a positive constant so that the variance decreases as a power of the mode. Then the integral in (16) becomes [Gradshteyn and Ryzhik, 1980, equation 3.551(1), p. 360]

$$\gamma_{Y^i}(s) = C_0 s^{2\omega} \quad (19)$$

where C_0 is a positive constant equal to $-C\Gamma(-2\omega)$ and Γ is the gamma function. In other words, the semivariogram of

log hydraulic conductivity grows as a power of the distance s . Since the exponent 2ω of this power structure satisfies $0 < 2\omega < 1$, it follows [Yaglom, 1987, pp. 406-411] that $Y(x)$ is a self-similar random field with homogeneous increments (some prefer to call such fields self-affine [cf. Voss, 1985]). This means that $\gamma_{Y^i}(s)$ is invariant under a group of similarity (or affinity) transformations $s \rightarrow hs$, $Y \rightarrow f(h)Y$, where $f(h)$ is some function of h ; when $f(h) = h^{-2\omega}$ and $h > 0$ one has $\gamma_{Y^i}(s) = h^{-2\omega} \gamma_{Y^i}(hs)$.

Although (19) was derived above for $0 < 2\omega < 1$ under special assumptions, it is in fact known to be a valid (and the only valid) semivariogram for self-similar stochastic processes over the broader range $0 < \omega < 1$; as such, it was considered originally by Kolmogorov in 1940 [Yaglom, 1987]. The associated processes represent fractional Brownian motion (fBm) [Mandelbrot and Wallis, 1968; Mandelbrot, 1982] which constitutes a mathematical model for random fractals. As explained in an admirably lucid fashion by Voss [1985], the latter are associated with a fractal dimension

$$D = E + 1 - \omega \quad 0 < \omega < 1 \quad (20)$$

where E is the topological dimension of interest. When $\omega = 0.5$ and $D = E + 0.5$, increments of the property are uncorrelated in E -dimensional space and thus resemble Brownian motion (which has statistically independent increments). When $\omega > 0.5$ and $D < E + 0.5$, the increments are positively correlated so that the property shows relatively smooth variations characterized by long-range persistence of positive and negative values. The tendency of many geophysical time series such as tree rings, varves, precipitation, and streamflow to exhibit such persistence is known as Hurst's phenomenon, and ω is therefore sometimes called the Hurst coefficient [cf. Bras and Rodriguez-Iturbe, 1985, pp. 220-221]; similar persistence is exhibited in space by landforms and the thickness as well as lithology of Paleozoic sediments [cf. Burrough, 1983a, Table 3]. When $\omega < 0.5$ and $D > E + 0.5$, the increments are negatively correlated, and the property appears to be relatively noisy. Such antipersistence seems typical of many soil parameters including percent fine or coarse material, bulk density, layer thickness, moisture capacity, and pH [Burrough, 1983a, Tables 1 and 2] as well as log hydraulic conductivities [Ababou et al., 1988], all of which exhibit a dominance of short-range effects in space. Regardless of whether the correlation is positive or negative, it extends over arbitrarily large spatial scales.

INTERPRETATION OF SCALE EFFECT

We now turn our attention to over 130 longitudinal dispersivities from laboratory and field tracer studies in porous and fractured media throughout the world recorded by Lallemand-Barres and Peaudecerf [1978], Pickens and Grisak [1981], Gelhar et al. [1985], Arya [1986], and Arya et al. [1988]. These dispersivities vary from less than 1 mm to more than 1 km and correspond to studies conducted on scales ranging from less than 10 cm to more than 100 km. As pointed out in the introduction, these apparent dispersivities derive a priori not from a fractal model of dispersion but from Fickian models which assume (explicitly or tacitly) that log hydraulic conductivity is statistically homogeneous. This and the fact that scale dependence is a non-Fickian phenomenon suggest that the data should be consistent with the

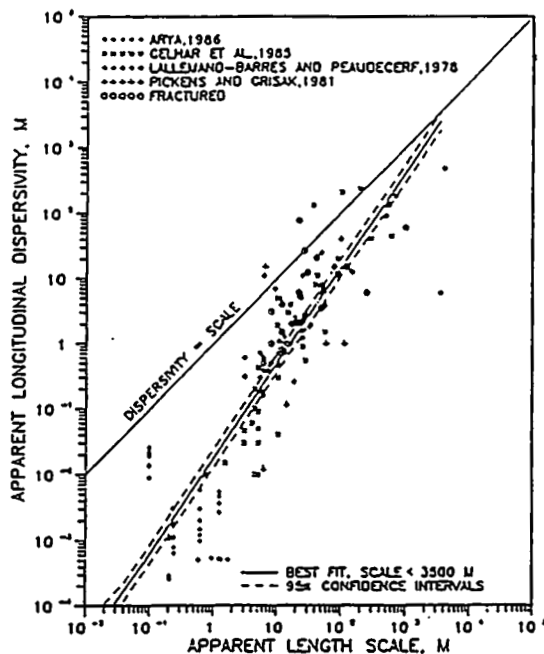


Fig. 1. Apparent longitudinal dispersivities versus scale of study excluding numerical model calibration results; first interpretation.

recent quasi-linear theory of Neuman and Zhang [1990] and Zhang and Neuman [1990] which accounts for both Fickian and non-Fickian dispersion in homogeneous media. It is shown below that such consistency is indeed achieved by stipulating, a posteriori, that log hydraulic conductivities are not statistically homogeneous but form a self-similar random field with homogeneous increments as defined in (19).

Figure 1 is a logarithmic plot of apparent longitudinal dispersivities α_{aL} versus the scale of the study L_s as reported by the aforementioned authors. For reasons to be discussed later the figure does not include dispersivities obtained by calibrating numerical grid models against solute concentrations of large-scale plumes. The remaining 134 dispersivities can be interpreted in at least two ways, both of which lead to the same scaling rule. The first interpretation, illustrated in Figure 1, is based on the assumption that (7) is valid for $\alpha_{\infty L} \leq L_\mu$ (the second assumes that (7) is not valid unless $\alpha_{\infty L} \ll L_\mu$). For reasons to become clear later, the first interpretation excludes the three points in Figure 1 which correspond to $L_s \geq 3500$ m. It consists of fitting by regression a line of the form

$$\log_{10} \alpha_{aL} = b \log_{10} L_s + c \tag{21}$$

to the remaining 131 points as shown, together with the corresponding 95% confidence limits, in the figure. This line of best fit can be expressed as

$$\alpha_{aL} = 0.0175 L_s^{1.46} \tag{22}$$

with a regression coefficient $R^2 = 0.74$ and 95% confidence intervals [0.0113, 0.0272] about the coefficient 0.0175, and [1.30, 1.61] about the exponent 1.46.

An examination of the methods that had led to the data in Figure 1 caused Gelhar [1986] and others to raise valid questions about the reliability of many of them. Indeed, part of the large scatter shown by these data can undoubtedly be attributed to experimental and interpretive errors; other

reasons of equal or greater importance for this scatter will be suggested later. Yet the data cannot be dismissed as being devoid of quantitative significance because, despite their questionable reliability and considerable scatter, they give rise to a regression line which is confined between remarkably narrow 95% confidence limits and explains nearly three quarters (74%) of their variation about the mean. In other words, experimental and interpretive errors account for not more (or, as implied below, much less) than one quarter (26%) of the observed random scatter about the mean, and one is therefore justified to ask what gives rise to the remaining 74% of systematic variation exhibited by the data at $L_s \leq 3500$ m in Figure 1.

To answer this question in a manner which is consistent with the quasi-linear theory, we consider a plume or concentration front having initially zero spread whose center of gravity has traveled a distance $s = L_s$. This means that we treat the reported experimental scales L_s as mean travel distances and thereby introduce an error into our analysis. However, this error is expected to be small in comparison to the large scatter of data in Figure 1 because tracer studies are commonly interpreted on the basis of breakthrough curves registered at a distance L_s from the source and the time required for such a breakthrough is often much shorter than the mean travel time associated with L_s .

The data in Figure 1 were obtained from laboratory and field tracer studies interpreted on the basis of traditional Fickian models which correspond to (7). Yet such a Fickian interpretation is analogous to a non-Fickian interpretation on the basis of (10) if one replaces $\alpha_{\infty DL} L_\mu$ by $c_0 s(t)$. Since we equate s with L_s , the same is also equivalent to replacing $\alpha_{\infty DL} L_\mu$ by $c_0 L_s$. Hence the Fickian interpretation is analogous to a non-Fickian interpretation in which the apparent longitudinal dispersivity is calculated according to

$$\alpha_{aL} = c_0 L_s \sigma_Y^2 \tag{23}$$

As c_0 and $\alpha_{\infty DL}$ are of similar order and our first interpretation assumes (7) to be valid when $\alpha_{\infty L} \leq L_\mu$, (23) should provide a reasonable fit to the data in Figure 1 as long as $\alpha_{aL} \leq L_s$ (the fact that this equation derives from a theory which deals with ensemble mean rather than real concentrations can be viewed merely as another interpretive error which contributes to the aforementioned scatter). The latter condition is indeed satisfied by all data corresponding to $L_s \leq 3500$ m which form the basis for regression formula (22). For this formula to be consistent with (23) it is necessary that σ_Y^2 vary with L_s according to the power law

$$\sigma_Y^2 = C_0 L_s^{2\omega} \tag{24}$$

where $C_0 = 0.0175/c_0$ with $\omega = 0.23$ with a 95% confidence interval [0.15, 0.30]. As we equate L_s with s , (24) is analogous to (19) provided only that σ_Y^2 is given by the semivariogram

$$\gamma_Y(L_s) = (0.0175/c_0) L_s^{2\omega} \tag{25}$$

Hence the regression line in Figure 1 represents a self-similar log hydraulic conductivity field with homogeneous increments characterized by the fractal dimension $D \equiv E + 0.77$ with 95% confidence interval [1.70, 1.85].

Our second interpretation considers that many of the reported tracer studies have been conducted in anisotropic

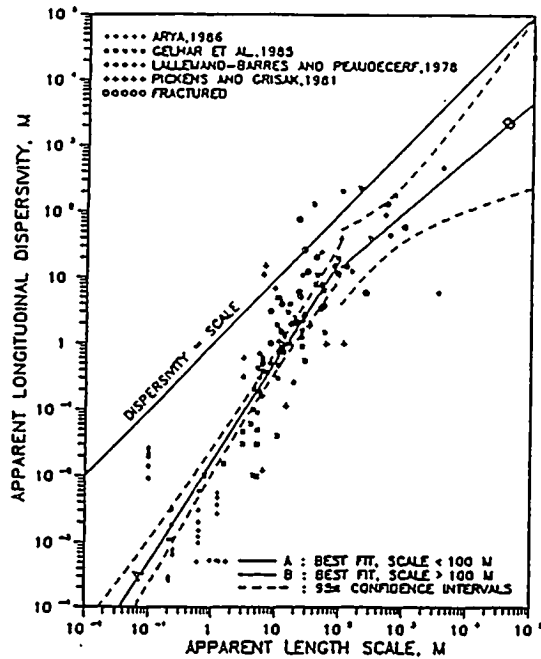


Fig. 2. Apparent longitudinal dispersivities versus scale of study excluding numerical model calibration results; second interpretation.

media and hence (7) may not be valid unless $\alpha_{oL} \ll L_{\mu}$. To account for this possibility, we fit in Figure 2 two separate regression lines of the form (21) to 119 data points associated with $L_s \leq 100$ m (line A) and 16 data points associated with $L_s \geq 100$ m (line B); one point lies at $L_s = 100$ m and belongs to both lines. Line A can be expressed as

$$\alpha_{oL} = 0.0169L_s^{1.53} \quad (26)$$

with a regression coefficient $R^2 = 0.71$ and 95% confidence intervals [0.0108, 0.0264] about the coefficient 0.0169, and [1.35, 1.70] about the exponent 1.53. This is very similar to (22) and, in analogy to (25), leads to

$$\gamma_Y(L_s) = (0.0169/c_0)L_s^{2\omega} \quad (27)$$

where now $\omega = 0.26$ with a 95% confidence interval [0.17, 0.35]. Since this is very similar to (25), we combined the two into a single approximate scaling rule by setting $\omega \approx 0.25$ and writing

$$\gamma_Y(L_s) \approx (0.017/c_0)L_s^{1/2} \quad (28)$$

In other words, we conclude on the basis of our two interpretations that log hydraulic conductivities of the geologic media represented in Figures 1 and 2 constitute a self-similar random field with homogeneous increments characterized by the semivariogram (28) and a fractal dimension $D \approx E + 0.75$. We will show below that even though this conclusion was reached by excluding data associated with $L_s \geq 3500$ m in Figure 1 and $L_s > 100$ m in Figure 2, it is nevertheless consistent with these data.

Since the materials represented in Figures 1 and 2 include unconsolidated sediments as well as consolidated porous and fractured rocks of diverse origin from a variety of sites, the self-similarity and associated semivariogram in (28) appear to be a universal property of many geologic media.

The marked scatter of the data about the regression line in Figure 1 and line A in Figure 2, attributed earlier in part to experimental and interpretive errors (including those stemming from differences between the spatial and temporal moments of ensemble mean and real concentrations), can now be attributed in large measure to local deviations from this universal self-similarity pattern. One major reason for such deviations appears to be variations from one medium to another in the coefficient C which determines the log hydraulic conductivity variance in (18) and affects the semivariogram coefficient C_0 in (19). Lesser deviations are expected to arise from fluctuations in the coefficient c_0 that derives from the quasi-linear theory and affects (10) as well as (23)–(25) and (27)–(28), due to the diversity of flow and anisotropy conditions encountered in the various tracer studies. Most importantly, the semivariogram in (28) is an idealization based on the notion of a continuous hierarchy of scales which does not strictly apply to geologic media possessing discrete natural scales at which the log hydraulic conductivity field is homogeneous. The existence of such natural scales was postulated over 30 years ago by Hubbert [1957], and more recent discussions of the concept can be found, for example, in publications by Cushman [1987, 1990]. The legality of associating medium properties with representative elementary volumes (REVs) is limited at best to natural scales, as is the possibility for the development of Fickian or quasi-Fickian dispersion regimes. Since tracer studies are often conducted within discrete geologic units exhibiting some degree of homogeneity, many of the apparent dispersivities in Figures 1 and 2 are expected to represent natural scales and therefore to deviate from the continuous model manifested by the regression lines in these figures. Hence the universal scaling rule embodied in (28) must not be viewed as a representation of actual conditions at any given locale but rather as self-similarity of log hydraulic conductivities in a mean sense over a large range of length scales in a broad variety of geologic media under diverse conditions of flow and transport.

From (22) and (26) it is clear that the universal semivariogram (28) corresponds to

$$\alpha_{oL} \approx 0.017L_s^{1.5} \quad (29)$$

which is valid at most for $\alpha_{oL} \leq L_s$ or, equivalently, for $L_s \leq 3460$ m; this is why data points corresponding to $L_s \geq 3500$ m were excluded from the regression in Figure 1. Our second interpretation of the data according to regression line A in Figure 2 assumes that (29) is valid only for $L_s \leq 100$ m or equivalently $\alpha_{oL} \ll L_s$. Since the latter equation arises from (10), this is the same as saying that data corresponding to $L_s \gg 100$ m must be interpreted on the basis of (11) rather than (10). We stated earlier that the data were interpreted on the basis of traditional Fickian models which become analogous to (11) provided L_{μ} is replaced by c_1L_s , where $c_1 = c_0/\alpha_{oDL}$ and α_{oDL} is constant. Consistent with this replacement, (11) yields the following expression for apparent longitudinal dispersivity,

$$\alpha_{oL} = c_2L_s\sigma_Y \quad (30)$$

where $c_2 = cc_1$. Upon further replacement of σ_Y by $\gamma_Y^{1/2}$ according to the universal scaling rule (28) this becomes

$$\alpha_{oL} \approx c_3L_s^{1.25} \quad (31)$$

where $c_3 = (0.017/c_0)^{1/2} c_2$. We see that whereas the fitted slope of α_{aL} versus L_s in Figure 2 is approximately 1.5:1 for $L_s \leq 100$ m, the quasi-linear theory predicts that the slope should drop to 1.25:1 for $L_s \gg 100$ m. In other words, the quasi-linear theory predicts a reduction in the slope of $\log_{10} \alpha_{aL}$ versus $\log_{10} L_s$, as α_{aL} approaches L_s , a phenomenon qualitatively consistent with our interpretations of the data in Figures 1 and 2. The same phenomenon was noted earlier by others but could not be interpreted theoretically. In fact, all previous attempts at a fractal analysis of the scale effect (none of which dealt directly with hydraulic conductivities) were limited to a single straight line on logarithmic paper [Philip, 1986] fitted either to all the available laboratory and/or field data [Arya et al., 1988; Lake, 1988, 1989] or to a portion of these data corresponding to relatively small L_s [Wheatcraft and Tyler, 1988]. It is therefore important that we ask whether the reduction in slope indicated by line B in Figure 2 is quantitatively consistent with the quasi-linear prediction embodied in (31).

To answer this question, we note that data corresponding to $L_s \geq 100$ m are represented in Figure 2 by regression line B, which can be expressed as

$$\alpha_{aL} \cong 0.32 L_s^{0.83} \tag{32}$$

with a regression coefficient $R^2 = 0.44$ and 95% confidence intervals [0.026, 3.95] about the coefficient 0.32, and [0.30, 1.37] about the exponent 0.83. Upon testing the null hypothesis that the above slope is admissible under the regression leading to line B we find that it must be rejected at the 80% confidence level. In other words, our answer to the above question is negative and indicates that line B is inconsistent with the quasi-linear theory. We show below that this inconsistency is not real but an artifact of the method used to derive the data.

Equation (31) derives in part from (30), which follows from (11), the latter being based on (9) and (8). The traditional Fickian interpretation was shown to imply that $\alpha_{\infty DL}$ is a constant and L_μ can be replaced by $c_0 L_s$. Hence on the basis of (5) and (8) it implies further that

$$\alpha_{\infty L} = c_4 L_s \tag{33}$$

where c_4 is a constant. In analogy to the manner in which (9) gave rise to (11) and (30), (33) gives rise to

$$\alpha_{aL} = c_4 L_s \tag{34}$$

Comparing (34) with (31) shows that in contrast to the quasi-linear theory which states that α_{aL} should grow as $L_s^{1.25}$, the traditional (linear) model leads to apparent dispersivities that are linearly proportional to L_s . Indeed, the null hypothesis that the exponent in (32) is not 0.83 but 1.00, i.e., that (32) can be replaced by

$$\alpha_{aL} = b L_s \tag{35}$$

where b is a coefficient, cannot be rejected at the 50% confidence level. This means that (35) constitutes an acceptable alternative to line B in Figure 2 and the corresponding data are consistent with our theoretical relation (34). The latter relation, however, is an artifact arising from the interpretation of tracer studies by means of a linear theory where the quasi-linear theory is considered (in our second interpretation) to be more appropriate. The large scatter of

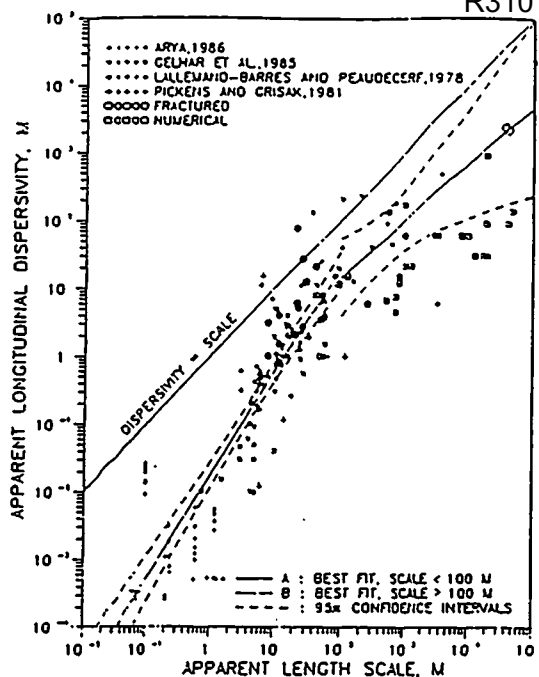


Fig. 3. Apparent longitudinal dispersivities versus scale of study including numerical model calibration results compared to second interpretation.

the data about line B is due to fluctuations in the coefficient c_4 and other reasons of the type discussed earlier.

The dispersivities in Figures 1 and 2 were obtained by considering the hydraulic conductivity (or transmissivity) to be uniform in each tracer study. Figure 3 is similar to Figure 2 but includes dispersivities obtained from the calibration of numerical models against hydraulic and concentration data corresponding to large-scale plumes. Most of the calibrated dispersivities are seen to be associated with scales in excess of 100 m and to lie below the lower confidence limit of line B. Applying regression to the calibrated dispersivities yields a straight line with a slope of 0.54 (not shown in the figure). When the regression includes all dispersivities corresponding to $L_s \geq 100$ m, the slope reduces to 0.48 (not shown). In both cases the null hypothesis that the slope is 1 or larger must be rejected at the 99% confidence level. Hence the calibrated dispersivities are consistent neither with our first theoretical interpretation of the data in Figure 1 nor with the second in Figure 2.

The calibrated dispersivities in Figure 3 grow approximately in proportion to $L_s^{1/2}$, as does the discrepancy between them and theoretical values predicted by (34). Hence they can be made consistent with our theory if one associates them with a reduced scale L_r proportional to $L_s^{1/2}$. This reduction in scale appears to be caused by the fact that numerical model calibration often provides information about the spatial variation of hydraulic conductivities (or transmissivities) on scales exceeding the dimensions of model subregions (called "zones") within which they are kept constant or allowed to vary at a relatively slow rate (J. Carrera, personal communication, 1989). Calibration is thus tantamount to filtering out low-frequency modes from the random log hydraulic conductivity field and thereby reducing the range of length scales that affect dispersivities to below the characteristic length of the zones. In other words,

the dispersivities are associated with a length scale L , which depends on the dimensions of the zones rather than on the mean travel distance L_p of the plume. The above regression analysis suggests that in past calibration exercises, L , increased with the mean travel distance at an average rate proportional to $L_p^{1/2}$. This in turn implies that modelers tended to design the zones of their computational grids in a manner roughly proportional to $L_p^{1/2}$.

CONCLUSIONS

The following major conclusions can be drawn from this study:

1. Consider a hierarchy of homogeneous log hydraulic conductivity fields with mutually uncorrelated increments, each field having an exponential covariance with a distinct integral scale and a variance which increases as a power of this scale. Then the superposition of a continuous hierarchy of such fields over all scales ranging from zero to infinity yields a self-similar (or self-affine) random field with (wide sense) homogeneous increments.

2. Apparent longitudinal dispersivities α_{dL} from laboratory and field tracer studies in a variety of porous and fractured media in diverse hydrogeologic settings show a systematic increase with the scale of the study, L_p . It is possible and appropriate to interpret this scale effect by requiring that the data be consistent a priori with the recent quasi-linear theory of non-Fickian and Fickian dispersion in homogeneous media due to Neuman and Zhang [1990] and Zhang and Neuman [1990], but that they represent a posteriori a self-similar log hydraulic conductivity field with homogeneous increments. Regression against the available data implies, at a high level of confidence, that this field is associated with a semivariogram $\gamma(s) \cong cs^{1/2}$, where c is a constant and s is a measure of distance. Such a semivariogram is in turn characteristic of a random fractal with dimension $D \cong E + 0.75$, where E is the topological dimension of interest ($E = 1$ for a linear transect, $E = 2$ for a two-dimensional plane or cross section, $E = 3$ for a three-dimensional medium).

3. The above semivariogram and fractal dimension can be viewed as a universal scaling rule which does not necessarily describe conditions at any given locale but accounts for the self-similarity of log hydraulic conductivities in a mean sense over a large range of length scales in a broad variety of geologic media under diverse conditions of flow and transport. Actual α_{dL} data show sizable random fluctuations about such mean behavior due to a variety of causes including experimental and interpretive errors (caused in part by the fact that existing dispersion theories deal with ensemble mean rather than real concentrations), variations in material properties from one locale to another, and differences between flow and transport regimes during different tracer studies. A major cause for local deviations from universal behavior appears to be the presence in many geologic media of discrete natural scales at which the log hydraulic conductivity field is homogeneous. This work implies that such discrete scales occur at best intermittently over relatively narrow bands of the scale spectrum.

4. Based on the aforementioned universal scaling rule, the quasi-linear theory of Neuman and Zhang [1990] and Zhang and Neuman [1990] predicts a reduction in the slope of $\log_{10} \alpha_{dL}$ versus $\log_{10} L_p$ as α_{dL} approaches L_p . A similar

reduction has been noted earlier by others but could not be interpreted theoretically. Previous attempts at a fractal analysis of the scale effect (none of which dealt directly with hydraulic conductivities) were limited to a single straight line on logarithmic paper fitted either to all the available laboratory and/or field data [Arya *et al.*, 1988] (see also Lake [1988, 1989]) or to a portion of these data corresponding to relatively small L_p values [Wheatcraft and Tyler, 1988] while saying little about dispersivities on larger scales.

5. Equations (20), (23), and (24) imply jointly that longitudinal dispersivity varies with scale as a positive power of the Hurst coefficient ω and a negative power of the fractal dimension D . This makes physical sense considering that an increase in ω (and, since $D = E + 1 - \omega$, a decrease in D) is associated with an enhancement of long-range phenomena which cause log hydraulic conductivities to persist over increased distances: the effect on dispersivity is qualitatively similar to that of lengthening the spatial correlation scale in a statistically homogeneous medium which causes it to increase. Our finding that $\omega \cong 0.25$ and $D \cong E + 0.75$ suggests that log hydraulic conductivities are generally dominated by short-range phenomena which render them relatively noisy though their increments are correlated over arbitrarily large spatial scales. This is qualitatively consistent with the conclusion of Ababou *et al.* [1988] that log hydraulic conductivities of the Mount Simon aquifer are associated with $\omega \cong 0$. Our finding that longitudinal dispersivity varies with scale as a positive power of ω and a negative power of D is consistent with related analyses by Philip [1986, equation (46)] and Arya *et al.* [1988, equation (24)] but inconsistent with (16) of Wheatcraft and Tyler [1988], which appears to state the opposite. The consistency is encouraging, and the inconsistency puzzling despite the different meanings ascribed to ω and D by the various authors.

6. Since homogeneity is at best a local phenomenon limited to random and relatively narrow intervals of scale, one must question the utility of associating medium properties with representative elementary volumes (REVs) as has been the custom in subsurface hydrology for several decades. Alternatives to the traditional REV concept as applied to porous media have been discussed in a recent review article by Cushman [1987]; arguments in favor of treating fractured crystalline rocks as multiscale stochastic continua to which similar alternatives apply have been put forth by Neuman [1987, 1988] and Neuman and Depner [1988].

7. The latter arguments in favor of treating crystalline fractured rocks as multiscale continua can be extended on the basis of this work to a variety of other fractured media. This follows from our finding that many fractured and porous materials follow the same universal scaling rule. Since the latter rule applies to log hydraulic conductivities which affect flow, and extends to dispersivities which affect transport, one must question the prevailing tendency among many hydrologists to draw fundamental distinctions between the manners in which fractured and porous media conduct single-phase fluids or affect the spread of chemicals dissolved in such fluids when detailed information about the geometry and transport properties of individual fractures is not available. As the lack of such information seems to be the rule rather than the exception [Neuman, 1987, 1988], treating fractured rocks as multiscale continua appears to be a viable alternative in many cases.

8. Given that homogeneity is at best an intermittent local occurrence on relatively narrow scale intervals, one must question the continued application of Fickian transport models to subsurface plumes that spread over more than a limited range of scales. A plume spreading through a homogeneous medium of infinite extent may attain a Fickian mode of dispersion asymptotically. However, geologic media are finite and possess a hierarchy of scales. Hence Fickian or quasi-Fickian behavior constitutes at best intermittent episodes during what is otherwise an inherently non-Fickian mode of transport.

9. Longitudinal dispersivities obtained from the calibration of numerical models against hydraulic and concentration data are found to vary more slowly with the scale of the study than do dispersivities determined by other means. This appears to be caused by the fact that calibration often provides information about the spatial variation of hydraulic conductivities (or transmissivities) on scales exceeding the dimensions of model subregions (called "zones") within which they are kept constant or allowed to vary at a relatively slow rate. Calibration is thus tantamount to filtering out low-frequency modes from the random log hydraulic conductivity field and thereby reducing the range of length scales that affect dispersivities to below the characteristic length of the zones. Stated otherwise, conditioning transport models on hydraulic data has the effect of filtering out large-scale modes from the multiscale hierarchy of log hydraulic conductivity fields. This leads to the important operational conclusion that the scale parameter which controls dispersivities in a given transport model diminishes as the density of information about hydraulic heterogeneity goes up.

Acknowledgment. This work was supported in part by the U.S. Nuclear Regulatory Commission under contract NRC-04-86-123.

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(Received January 2, 1990;
revised March 2, 1990;
accepted March 9, 1990.)

DOCUMENTATION NUMBER 5

A Critical Review of Data on Field-Scale Dispersion in Aquifers

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A critical review of dispersivity observations from 59 different field sites was developed by compiling extensive tabulations of information on aquifer type, hydraulic properties, flow configuration, type of monitoring network, tracer, method of data interpretation, overall scale of observation and longitudinal, horizontal transverse and vertical transverse dispersivities from original sources. This information was then used to classify the dispersivity data into three reliability classes. Overall, the data indicate a trend of systematic increase of the longitudinal dispersivity with observation scale but the trend is much less clear when the reliability of the data is considered. The longitudinal dispersivities ranged from 10^{-2} to 10^4 m for scales ranging from 10^{-1} to 10^3 m, but the largest scale for high reliability data was only 250 m. When the data are classified according to porous versus fractured media there does not appear to be any significant difference between these aquifer types. At a given scale, the longitudinal dispersivity values are found to range over 2-3 orders of magnitude and the higher reliability data tend to fall in the lower portion of this range. It is not appropriate to represent the longitudinal dispersivity data by a single universal line. The variations in dispersivity reflect the influence of differing degrees of aquifer heterogeneity at different sites. The data on transverse dispersivities are more limited but clearly indicate that vertical transverse dispersivities are typically an order of magnitude smaller than horizontal transverse dispersivities. Reanalyses of data from several of the field sites show that improved interpretations most often lead to smaller dispersivities. Overall, it is concluded that longitudinal dispersivities in the lower part of the indicated range are more likely to be realistic for field applications.

INTRODUCTION

The phenomenon of dispersive mixing of solutes in aquifers has been the subject of considerable research interest over the past 10 years. Characterizing the dispersivity at a particular field site is essential to any effort in predicting the subsurface movement and spreading of a contaminant plume at that location. Both theoretical and experimental investigations have found that field-scale dispersivities are several orders of magnitude greater than lab-scale values for the same material; it is generally agreed that this difference is a reflection of the influence of natural heterogeneities which produce irregular flow patterns at the field scale. Consequently, laboratory measurements of dispersivity cannot be used to predict field values of dispersivity. Instead field-scale tracer tests are sometimes conducted to estimate dispersivity at a particular site.

Early efforts to document the scale dependence of dispersivity [Lallemand-Barres and Peaudecerf, 1978; Anderson, 1979; Pickens and Grisak, 1981; Beims, 1983; Neretnieks, 1985] were based on field values of dispersivity reported in the literature and the test scales associated with those values. These studies were useful in that they indeed documented field evidence of the scale effect, but they were lacking in that they did not assess the reliability of the data presented. Because we felt that the data would be more

meaningful if their variable quality was recognized, we assembled the dispersivity data along with related information from the original sources and evaluated the reliability or quality of these data [Gelhar *et al.*, 1985]. The graphical results of that work have been widely used by both practitioners and theoreticians, often without appropriate consideration of the reliability of the data. For example, recent theoretical developments based on fractal concepts [Philip, 1986; Wheatcraft and Tyler, 1988; Neuman, 1990] have relied on information similar to that in the work by Gelhar *et al.* [1985] but those studies disregarded the issue of the reliability of the data. We feel that it is important to update the dispersivity information including results from recent comprehensive field experiments and at the same time focus on the interpretations of the reliability of the data. With these goals in mind, this work develops the following: (1) an outline of the theoretical description of dispersive mixing in porous media; (2) a tabular summary of existing data on values of field-scale dispersivity and related site information reported in the literature; (3) an evaluation of the reliability or quality of these values based on clearly delineated criteria; and (4) discussion and interpretation of the applied and theoretical implications of the data.

THEORETICAL CONCEPTS OF FIELD-SCALE DISPERSIVE MIXING

The mass balance equation governing the transport of an ideal chemically nonreactive conservative solute by a homo-

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Paper number 92WR00607.
0043-1397/92/92WR-00607\$05.00

geneous fluid (constant density and viscosity) that flows through a rigid saturated porous medium is commonly expressed as [e.g., Bear, 1972; de Marsily, 1986]

$$\frac{\partial c}{\partial t} + v_i \frac{\partial c}{\partial x_i} = \frac{\partial}{\partial x_i} \left(D_{ij} \frac{\partial c}{\partial x_j} \right) \quad i, j = 1, 2, 3 \quad (1)$$

where c is the solute concentration, v_i is the seepage velocity component in the x_i direction, and D_{ij} are the components of the dispersion coefficient tensor. The right-hand side of (1) represents the net dispersive transport which is presumed to be Fickian, i.e., the dispersive mass flux is proportional to the concentration gradient. Some investigators [e.g., Robertson and Barraclough, 1973; Bredehoeft and Pinder, 1973] alternatively define the dispersion coefficient tensor including the porosity n as $D_{ij}^* = nD_{ij}$. When it was clear that D_{ij}^* was used in a study, we converted to the more common form used in (1). The mean flow direction is taken to be x_1 , with $v_1 = v$, $v_2 = v_3 = 0$. Assuming that x_1 , x_2 , and x_3 are principal directions, the dispersivity is simply the ratio of the appropriate component of the dispersive coefficient tensor divided by the magnitude of the seepage velocity, v . To distinguish the field-scale dispersivities from laboratory values, the field-scale values are designated by the uppercase letter A [see Gelhar and Axness, 1983] and, to allow for anisotropy of transverse dispersion, a third dispersivity coefficient is used as follows:

$$D_{11} = A_L v \quad D_{22} = A_T v \quad D_{33} = A_V v \quad (2)$$

where A_L is the longitudinal macrodispersivity (field scale), and A_T is the horizontal transverse macrodispersivity, and A_V is the vertical transverse macrodispersivity.

The classical equation (1) with macrodispersivities (2) is standardly used for applied modeling of field-scale solute transport. The macrodispersivities are considered to be a property of some region of the aquifer. Although the macrodispersivity may be a function of space, in most applications it is assumed constant over a region of the aquifer that encompasses the entire plume both horizontally and vertically. Real solute plumes are observed to be three-dimensional [LeBlond, 1982; Perlmutter and Lieber, 1970; MacFarlane et al., 1983] and often of limited vertical extent. Although the classical equation is three-dimensional, the two-dimensional form is most commonly applied. Reasons for the use of the two-dimensional form of the equation include lack of three-dimensional data and in the case of numerical models, restrictions on the size of data arrays in the model. Seldom is the two-dimensional form justified on the basis of site conditions or plume observations.

A number of theoretical studies have proposed methods of describing field-scale dispersive mixing. All of the theories view field-scale dispersion as being produced by some kind of small-scale heterogeneity or variability of the aquifer. At present there is considerable debate concerning how to parameterize the variability and model field-scale solute transport. Assuming a perfectly layered aquifer, one group [Molz et al., 1983, 1986] suggests measuring the variability in detail and modeling the transport in each layer with local-scale dispersivities, thus eliminating the need for a field-scale dispersivity. Again assuming a layered aquifer, a second group suggests the use of a scale-dependent or time-dependent field-scale dispersivity [e.g., Pickens and Grisak,

1981; Dieulin, 1980]. A third group [e.g., Gelhar and Axness, 1983; Dagan, 1982; Neuman et al., 1987] has examined more general three-dimensional heterogeneity with stochastic methods and concluded the classical equation with constant field-scale dispersivities is applicable to describe transport over large distances. These stochastic approaches incorporate the effects of practically unknowable small-scale variations in flow by means of macrodispersivities which are used in a deterministic transport model describing the large-scale variations in flow by means of the convection terms. Nonetheless, under what circumstances a field-scale dispersivity can be used to describe field-scale solute transport is still an open question. Until the issue is resolved, the field-scale dispersivity concept can be regarded as a working hypothesis which has a sound theoretical basis and finds wide application.

FIELD DATA ON DISPERSIVITY

Summary of Observations

A literature review was conducted to collect reported values of dispersivity from published analyses of field-scale tracer tests and contaminant transport modeling efforts. The literature sources and pertinent data characterizing each reviewed study are summarized in Table 1 which includes information on 59 different field sites. The information compiled from each study includes site location, description of aquifer material, average aquifer saturated thickness, hydraulic conductivity or transmissivity, effective porosity, mean pore velocity, flow configuration, dimensionality of monitoring network, tracer type and input conditions, length scale of the test or problem, reported values of longitudinal and horizontal and vertical transverse dispersivities, and classification of the reliability of the reported data. Blank entries indicate that the information was not provided in the cited documents. This table summarizes information for purposes of comparison only. More detail regarding a particular study may be found in the original sources.

Aquifer characteristics. As indicated by the second through sixth columns from the left, the study sites represent a wide variety of aquifer conditions and settings. Summarized in these columns is information on aquifer material, saturated thickness, hydraulic conductivity or transmissivity, and velocity. The aquifer thickness for each site is the arithmetic average of the range at that site. Hydraulic conductivity and transmissivity values show the range reported at the site. Reported values for effective porosity vary from 0.5% (for fractured media) to 60% (for porous media). When a value was reported as "porosity," we interpreted this as the effective porosity (interconnected pore space), the value used in analysis of the advection-dispersion equation. Where porosity was reported as "total porosity," we have indicated this in the table. The velocity column indicates the mean pore or seepage velocity at a site. In some cases the values were calculated from information provided on average specific discharge, q , and effective porosity, n , as $v = q/n$. Velocities ranged from 0.0003 to 200 m/d.

Methods of determining dispersivity. The seventh through tenth columns from the left summarize the method used to determine the dispersivity for each site. The seventh, eighth, and ninth columns from the left describe experimental conditions: flow configuration, monitoring, tracer and

input; the tenth column from the left summarizes methods of data interpretation. Dispersivity values were calculated or inferred from one of two types of subsurface solute transport events: large-scale, uncontrolled contamination (naturally occurring or human-induced) events, or controlled tracer tests.

Uncontrolled events are characterized by a source input history that is unknown, transport of contaminants by the ambient flow of groundwater, and solute plumes that often extend over regional scales (hundreds of meters). We describe naturally occurring events as "environmental" tracers, implying chemical constituents associated with uncontrolled natural changes occurring in groundwater before the start of a study. Examples of naturally occurring events include tritium in groundwater from recharge containing atmospheric bomb tritium, seawater intrusion, and mineral dissolution. These events are indicated in the "tracer and input" column by the notation "environmental" along with the type of chemical species reported. Examples of human-induced contamination events include leaks and spills to groundwater from landfills, storage tanks, surface impoundments, and infiltration basins. These types of events are indicated by the notation "contamination" in the tracer and input column. Values of dispersivity for uncontrolled events are commonly determined by fitting a one-, two-, or three-dimensional solute transport model to historical data; i.e., values of dispersivity are altered until model output matches historical solute concentration measurements.

The main features distinguishing controlled tracer tests from uncontrolled ones is that in the former, both the quantity and duration of solute input are known. This is indicated by "step" (continuous input of mass) or "pulse" ("instantaneous" or slug input) in the "tracer and input" column. Controlled tracer tests may be conducted under ambient groundwater flow conditions (also referred to as natural gradient tests), or under conditions where the flow configuration is induced by pumping or recharge. The type of test is reported in the "flow configuration" column. Induced flow configurations include radial, two-well, and forced uniform flow. In radial flow tracer tests, a pulse or step input of tracer is injected at a recharge well and the time distribution of tracer is recorded at an observation well (diverging radial flow test), or the tracer is injected at an observation well and the time distribution is recorded at a distant pumping well (converging radial flow test). In a two-well test, both a recharge well and pumping well are operating; tracer is injected at the recharge well and tracer breakthrough is observed at the pumping well. Recirculation of the water (containing tracer) from the pumping well to the recharge well is often employed. "Forced uniform flow" refers to the flow regime at the Bonnaud site in France, where a uniform flow field was generated between two lines of equally spaced wells, one line recharging and one line pumping, with both screened to the full depth of the aquifer. A discussion of the advantages and disadvantages of different types of tracer tests is presented by *Welty and Gelhar* [1989].

A number of methods have been used to evaluate the data from controlled tracer tests, as indicated by column headed "method of data interpretation." These include fitting of one-, or two- or three-dimensional solute transport analytical solutions, and the method of spatial moments. It should be noted that since the velocity is nonuniform for both radial

and two-well tracer tests, analysis of the data must account for this effect to determine dispersivity properly for such cases. Nonuniform velocity effects have also been observed in ambient flow tracer tests.

The types of tracers used to determine dispersivity at each site are summarized in the "tracer and input" column along with the input conditions. A variety of chemical and microbiological tracers have been employed for controlled tracer tests. Discussions of the suitability of different chemical and microbial species for tracer tests are presented by *Davis et al.* [1980, 1985] and *Betson et al.* [1985]. A primary consideration in designing a controlled tracer test is whether the species is conservative or nonconservative. A conservative tracer is one that moves with the same velocity as the groundwater and does not undergo radioactive decay, adsorption, degradation, chemical reaction (or in the case of microorganisms, death). If any of these effects are present, they must be accounted for in evaluation of the dispersivity. Another factor important in the choice of a tracer is that it is not present in naturally occurring groundwater, or that it is injected at concentrations much higher than natural background levels.

The "monitoring" column indicates whether two- or three-dimensional monitoring was employed at a site. By two-dimensional monitoring we mean depth-averaged (vertically mixed). Three-dimensional monitoring implies point samples with depth. This information is noted because vertical mixing in an observation well influences the concentration of tracer in a water sample. Several studies (*Meyer et al.*, 1981; *Pickens and Grisak*, 1981) have shown that when a tracer is not injected over the full aquifer depth, vertically mixed samples underestimate the tracer concentration and as a result the longitudinal dispersivity is overestimated. This occurs because the tracer occupies only a portion of the vertical thickness. When a sample from the entire thickness is taken, the true tracer concentration is diluted in the well with tracer-free water. If an attempt is made to interpret the diluted ("measured") concentration, the dispersivity will be overestimated. At many sites there was no indication whether point or fully mixed sampling was performed. From examination of the cases where three-dimensional measurements of solute concentrations were made, it is clear that vertical mixing of the tracer as it travels through the aquifer is often very small [*Sudicky et al.*, 1983; *LeBlanc*, 1982; *Freyberg*, 1986; *Garabedian et al.*, 1988, 1991].

Field dispersivities and scale. The "scale of test" column represents the distance traveled from the source for ambient conditions, or the distance between injection and observation wells for the case of an induced flow configuration. The values of dispersivity reported at the indicated scale are given in the second column from the right. Data from the 59 sites yielded 106 values of longitudinal dispersivity, since often multiple investigations or multiple experiments by one investigator were performed at one site. A plot of the longitudinal dispersivity values as a function of scale is presented in Figure 1. The arithmetic average was plotted in cases where a range was reported either for the scale or dispersivity in Table 1. In some cases, values of dispersivity for individual layers were reported as well as an average "aquifer" value. In these cases the latter value was plotted for the given scale. The symbols on Figure 1 indicate whether the dispersivity value is for fractured media (open symbols, 18 values) or porous media (solid symbols, 88

TABLE 1. Summary of

Reference and Site Name	Aquifer Material	Average Aquifer Thickness, m	Hydraulic Conductivity (m/s) or Transmissivity (m^2/s)	Effective Porosity, %	Velocity, m/d	Flow Configuration
<i>Adams and Gelhar</i> (1991), Columbus, Mississippi	very heterogeneous sand and gravel	8	10^{-5} to 10^{-3} m/s	35	0.03–0.5	ambient
<i>Ahlstrom et al.</i> (1977), Hanford, Washington	glaciofluvial sands and gravels	64	5.7×10^{-4} to 3.0×10^{-2} m/s			ambient
<i>Bentley and Walter</i> (1983), WIPP	fractured dolomite	5.5		18	0.3	two-well recirculating
<i>Bierschenk</i> (1959) and <i>Cole</i> (1972), Hanford, Washington	glaciofluvial sands and gravels	64	1.7×10^{-1} m ² /s	10	26 31	ambient
<i>Bredehoeft and Pinder</i> (1973), Brunswick, Georgia	limestone	50	6.5×10^{-7} to 8.6×10^{-7} m ² /s	35		radial converging
<i>Claasen and Cordes</i> (1975), Amargosa, Nevada	fractured dolomite and limestone	15	5×10^{-2} to 11×10^{-2} m ² /s	6–60	0.14–3.4	two-well recirculating
<i>Daniels</i> (1981, 1982), Nevada Test Site	alluvium derived from tuff	500	1.7×10^{-5} m/s		0.04	radial converging
<i>Dieulin</i> (1981), Le Cellier (Lozere, France)	fractured granite	20	3×10^{-4} to 9×10^{-4} m/s	2–8	3	radial converging
<i>Dieulin</i> (1980), Torcy, France	alluvial deposits	6	3×10^{-4} m/s		0.5	ambient
<i>Egboka et al.</i> (1983), Borden	glaciofluvial sand	7–27	10^{-5} to 10^{-7} m/s	38	0.01–0.04	ambient
<i>Fenske</i> (1975), Tatum Salt Dome, Mississippi	limestone	53	4.7×10^{-6} m/s	23	1.2	radial diverging
<i>Freyberg</i> (1986), Borden	glaciofluvial sand	9	7.2×10^{-5} m/s	33 (total)	0.09	ambient
<i>Fried and Ungemach</i> (1971), Rhine aquifer	sand, gravel, and cobbles	12			9.6	radial diverging
<i>Fried</i> (1975), Rhine aquifer (salt mines) southern Alsace, France	alluvial; mixture of sand, gravel, and pebbles with clay lenses	125	10^{-3} m/s			ambient
<i>Fried</i> (1975), Lyons, France (sanitary landfill)	alluvial, with sand and gravel and slightly stratified clay lenses	20			5.0	ambient
<i>Garabedian et al.</i> (1988) Cape Cod, Massachusetts	medium to coarse sand with some gravel overlying silty sand and till	70	1.3×10^{-3} m/s	39	0.43	ambient
<i>Gelhar</i> (1982), Hanford, Washington	brecciated basalt interflow zone					two-well without recirculation
<i>Goblet</i> (1982), site B, France	fractured granite	50	10^{-5} to 10^{-7} m/s		84	radial converging
<i>Grove</i> (1977), NRTS, Idaho	basaltic lava and sediments	76	1.4×10^{-1} to 1.4×10^1 m ² /s	10		ambient
<i>Grove and Beestem</i> (1971), Eddy County (near Carlsbad), New Mexico	fractured dolomite	12		12	3.5	two-well recirculating
<i>Gupta et al.</i> (1975), Sutter Basin, California	sandstone, shale, sand, and alluvial sediments					ambient
<i>Halevy and Nir</i> (1962) and <i>Lenda and Zuber</i> (1970), Nahal Oren, Israel	dolomite	100		3.4	4.0	radial converging
<i>Harpaz</i> (1965), southern coastal plain, Israel	sandstone with silt and clay layers	90			14	radial diverging
<i>Helweg and Labadie</i> (1977), Bonsall subbasin, California						ambient
<i>Hoehn</i> (1983), lower Glatt Valley, Switzerland	layered gravel and silty sand	25	9.2×10^{-4} to 6.6×10^{-3} m/s		3.4 1.8 1.2 8.6 4.1 1.7	ambient

Monitoring	Tracer and Input ^a	Method of Data Interpretation	Scale of Test, m	Dispersivity $A_L/A_T/A_V, \bar{t}$ m	Classification of Reliability of $A_L/A_T/A_V$ (I, II, III) ^b
three-dimensional	Br ⁻ (pulse)	spatial moments	200	7.5	II
two-dimensional	³ H (contamination)	two-dimensional numerical model	20,000	30.5/18.3	III
two-dimensional	PFB, SCN (step)	one-dimensional quasi-uniform flow solution [Grove and Beetem, 1971]	23	5.2	III
two-dimensional	fluorescein (pulse)	one-dimensional uniform flow solution	3,500 4,000	6 460	III III
two-dimensional	Cl ⁻ (contamination)	two-dimensional numerical model	2,000	170/52	III
two-dimensional	³ H (pulse)	one-dimensional quasi-uniform flow solution [Grove and Beetem, 1971]	122	15	III
two-dimensional	³ H (contamination)	radial flow type curve [Saury, 1980]	91	10-30	III
two-dimensional	Cl ⁻ , I ⁻ (pulse)	radial flow type curve [Saury, 1980]	5	0.5	II
two-dimensional (resistivity)	Cl ⁻ (pulse)	one-dimensional uniform flow solution	15	3	III
three-dimensional	³ H (environmental)	one-dimensional uniform flow solution	600	30-60	III
	³ H (pulse)	one-dimensional uniform flow solution	91	11.6	III
three-dimensional	Br ⁻ , Cl ⁻ (pulse)	spatial moments	90	0.43/0.039	I
	Cl ⁻ (pulse)	one-dimensional radial flow numerical model	6	11	III
three-dimensional	Cl ⁻ (contamination)	two-dimensional numerical model	800	15/1	III
two-dimensional	EC (contamination)	two-dimensional numerical model	600-1000	12/4	III
three-dimensional	Br ⁻ (pulse)	spatial moments	250	0.96/0.018/ 0.0015	I
two-dimensional	¹³¹ I (pulse)	one-dimensional nonuniform flow solution along streamlines [Gelhar, 1982]	17.1	0.60	I
two-dimensional	RbWt, SrCl (pulse)	one-dimensional uniform flow solution including borehole flushing effects	17	2	III
two-dimensional	Cl ⁻ (contamination)	two-dimensional numerical model	20,000	91/91	III
two-dimensional	³ H (step)	one-dimensional quasi-uniform flow solution [Grove and Beetem, 1971]	55	38.1	III
	Cl ⁻ (environmental)	three-dimensional numerical model	50,000	80-200/ 8-20	III
two-dimensional	⁶⁰ Co (pulse)	one-dimensional uniform flow solution	250	6	II
two-dimensional	Cl ⁻ (step)	one-dimensional radial flow solution	28	0.1-1.0	II
	TDS (contamination)	two-dimensional numerical model	14,000	30.5/9.1	III
two-dimensional	uranine (pulse)	one-dimensional uniform flow solution for layers	4.4 4.4 4.4 10.4 10.4 10.4	0.1 0.01 0.2 0.3 0.04 0.7	III III

TABLE 1.

Reference and Site Name	Aquifer Material	Average Aquifer Thickness, m	Hydraulic Conductivity (m/s) or Transmissivity (m ² /s)	Effective Porosity, %	Velocity, m/d	Flow Configuration
<i>Hoehn and Santschi</i> (1987), lower Glatt Valley, Switzerland	layered gravel and silty sand	27.5	8.1×10^{-5} to 6.6×10^{-3} m/s		1.5	ambient
					3.2	
					5.6	ambient
					3.9	
					3.2	
<i>Huyakorn et al.</i> (1986), Mobile, Alabama	layered medium sand	21.6		0.35		two-well without recirculation
<i>Iris</i> (1980), Campuget (Gard), France	alluvial deposits	9	3.6×10^{-3} m ² /s		0.05	radial diverging
<i>Ivanovitch and Smith</i> (1978), Dorset, England	fractured chalk		2.2×10^{-3} m/s (fast pulse)	0.5	57.6	radial converging
	chalk		3.6×10^{-4} m/s (slow pulse)	2.3	9.6	radial converging
<i>Kies</i> (1981), New Mexico State University, Las Cruces	fluvial sands		9.55×10^{-5} m/s	42 (total)		ambient
<i>Klotz et al.</i> (1980), Dormach, Germany	fluvioglacial gravels	14			20	radial converging
<i>Konikow</i> (1976), Rocky Mountain Arsenal	alluvium			30		ambient
<i>Konikow and Bredehoeft</i> (1974), Arkansas River valley (at La Junta, Colorado)	alluvium, inhomogeneous clay, silt, sand and gravel		2.4×10^{-4} to 4.2×10^{-3} m/s	20		ambient
<i>Krest et al.</i> (1974), Poland	sand	2.5	3.1×10^{-5} to 1.5×10^{-4} m/s; 1.2×10^{-4} m ² /s	24	29	radial converging
<i>Krest et al.</i> (1974), Zn-Pb deposits, Poland	fractured dolomite	57	2.5×10^{-4} to 4.7×10^{-4} m/s	2.4	7.5	radial converging
	fractured dolomite	48	2.5×10^{-4} to 4.7×10^{-4} m/s	2.4	100	radial converging
<i>Krest et al.</i> (1974), sulfur deposits, Poland	limestone	7	1.1×10^{-4} m/s	12.3	10	radial converging
	limestone	7	1.1×10^{-4} m/s	12.3	10.8	radial converging
					8.6	radial converging
<i>Lau et al.</i> (1957), University of California, Berkeley	sand and gravel with clay lenses	1.5	9×10^{-4} m/s	30	7	radial diverging
<i>Lee et al.</i> (1980), Perch Lake, Ontario, (lake bed)	sand		3.2×10^{-5} m/s		0.14	ambient
<i>Leland and Hillel</i> (1981), Amherst, Massachusetts	fine sand and glacial till	0.75	2.4 to 3×10^{-5} m/s	40	0.3–0.6	ambient
<i>Mercado</i> (1966), Yavne region, Israel	sand and sandstone with some silt and clay	80	2.1×10^{-8} to 2.4×10^{-8} m ² /s	23.3	0.84–3.4	radial diverging/converging
<i>Meyer et al.</i> (1981); Koeberg Nuclear Power Station, South Africa	sand	20			0.12	ambient
<i>Molinari and Peaudecerf</i> (1977) and <i>Sauty</i> (1977), Bonnaud, France	sand	3	8.3×10^{-4} to 1.1×10^{-3} m ² /s		2.7	forced uniform
					1.0	
					2.4	
					1.0	
					2.0	
					2.0	
<i>Molyaner and Killey</i> (1988a, b), Twin Lake aquifer (Chalk River)	fluvial sand			40.8 (total)	1.2	ambient
<i>Naymik and Barcelona</i> (1981), Meredosia, Illinois (Morgan County)	unconsolidated sand and gravel	27	2.2×10^{-2} to 4.3×10^{-2} m ² /s			ambient

Monitoring	Tracer and Input*	Method of Data Interpretation	Scale of Test, m	Dispersivity $A_L/A_T/A_V, \tau, m$	Classification of Reliability of $A_L/A_T/A_V$ (I, II, III)†
two-dimensional	uranine (pulse)	temporal moments	4.4	1.1	II
two-dimensional	^3H (environmental)	temporal moments	10.4	1.2	II
			100	6.7	III
			110	10.0	III
			500	58.0	III
two-dimensional	Br^- (pulse)	two-dimensional numerical model	38.3	4.0	I
three-dimensional	heat (pulse)	two-dimensional radial numerical model	40	3/1.5	II
	^{82}Br (pulse)	one-dimensional uniform flow solution	8	3.1	III
	^{82}Br (pulse)	one-dimensional uniform flow solution	8	1.0	III
two-dimensional	NO_3^- (pulse)	two-dimensional uniform flow solution	25	1.6/0.76	III
two-dimensional	^{82}Br , uranine (pulse)	one-dimensional uniform flow solution	10	5, 1.9	II
	Cl^- (contamination)	two-dimensional numerical model	13,000	30.5	III
two-dimensional	dissolved solids (contamination)	two-dimensional numerical model	18,000	30.5/9.1	III
two-dimensional	^{131}I (pulse)	one-dimensional uniform flow solution	5-6	0.18	II
	^{131}I (pulse)	one-dimensional uniform flow solution	22	44-110	II
	^{131}I (pulse)	one-dimensional uniform flow solution	21.3	2.1	II
	^{58}Co (pulse)	one-dimensional uniform flow solution	27	2.7-27	II
	^{58}Co (pulse)	one-dimensional uniform flow solution	41.5	20.8	II
	Cl^- (step)	one-dimensional radial numerical model	19	2-3	I
three-dimensional	Cl^- (pulse)	one-dimensional uniform flow solution	≤ 6	0.012	II
three-dimensional	Cl^- (pulse)	two-dimensional uniform flow solution	4	0.05-0.07	III
three-dimensional	^{60}Co , Cl^- (step)	one-dimensional radial flow solution	≤ 115 (observation wells)	0.5-1.5 (injection phase)	I
three-dimensional	^{131}I (pulse)	one-dimensional uniform flow solution for layers.	2-8	0.01, 0.03, 0.01, 0.05 for layers; 0.42 for depth average	III
two-dimensional	I^-	two-dimensional uniform flow solution	13	0.79	I
	^3H		13	1.27	I
	^{131}I		13	0.72	I
	^{131}I		26	2.23	I
	^{131}I		33.2	1.94/0.11	I
	^{131}I (pulse)		32.5	2.73/0.11	I
three-dimensional	^{131}I (pulse)	two-dimensional uniform flow solution	40	0.06-0.16/0.0006-0.002	II
two-dimensional	NH_3 (contamination)	two-dimensional numerical model	16.4	2.13-3.35/0.61-0.915	III

Reference and Site Name	Aquifer Material	Average Aquifer Thickness, m	Hydraulic Conductivity (m/s) or Transmissivity (m ² /s)	Effective Porosity, %	Velocity, m/d	Flow Configuration
<i>New Zealand Ministry of Works and Development</i> [1977] Heretaunga aquifer, New Zealand: Roys Hill site	gravel with cobbles	100	0.29 m ² /s	22	150-200	ambient
Flaxmere site 2	alluvium (gravels)	120	0.37 m ² /s	22	20-25	ambient
Hastings City rubbish dump	alluvium (gravels)		0.14, 0.35 m ² /s		20	ambient
<i>Oakes and Edworthy</i> [1977], Clipstone, United Kingdom	sandstone	44	2.4 × 10 ⁻⁶ to 1.4 × 10 ⁻⁴ m/s	32-48	5.6, 4.0 9.6	radial diverging radial converging
<i>Papadopoulos and Larson</i> [1978], Mobile, Alabama	medium to fine sand interspersed with clay and silt	21	5 × 10 ⁻⁴ m/s (horizontal) and 5.1 × 10 ⁻³ m/s (vertical)	25	0.05	radial diverging
<i>Pickens and Grisak</i> [1981], Chalk River	sand	8.5	2 × 10 ⁻³ to 2 × 10 ⁻⁴ m/s	38	0.15	two-well recirculating
	sand	8.5	2 × 10 ⁻³ to 2 × 10 ⁻⁴ m/s	38	0.15	radial diverging/converging
<i>Pinder</i> [1973], Long Island	glacial outwash	43	7.5 × 10 ⁻⁴ m/s	35	0.43	regional
<i>Rabinowitz and Gross</i> [1972], Roswell Basin, New Mexico	fractured limestone	61	1.1 × 10 ⁻² to 2.9 × 10 ⁻¹ m ² /s	1	11-21	regional
<i>Rajaram and Gelhar</i> [1991], Borden	glaciofluvial sand	9	7.2 × 10 ⁻⁵ m/s	33 (total)	0.09	ambient
<i>Roberts et al.</i> [1981], Palo Alto bay lands	sand, gravel, and silt	2	1.25 × 10 ⁻³ m ² /s (lower aquifer); 5.0 × 10 ⁻⁴ m ² /s (upper aquifer)	25	15.5 12.0 3.5 25.6 7.9	radial diverging
<i>Robertson</i> [1974] and <i>Robertson and Barraclough</i> [1973], NRTS, Idaho	basaltic lava and sediments	76	1.4 × 10 ⁻¹ to 1.4 × 10 ¹ m ² /s	10	1.5-8	regional
<i>Robson</i> [1974, 1978], Barstow, California	alluvial sediments	27	2.1 × 10 ⁻⁴ to 1 × 10 ⁻² m ² /s	40		two-well recirculating
				40	3	regional
<i>Robson</i> [1978], Barstow, California	alluvial sediments	30.5	5 × 10 ⁻⁴ m/s	40		regional
<i>Rousselot et al.</i> [1977], Byles-Saint Vulbas near Lyon, France	clay, sand, and gravel	12	6.5 × 10 ⁻³ to 1.5 × 10 ⁻² m/s	14 2.1-18 1.8-5.9 11-24	18 11.5, 3.8 46.7, 16 24	radial converging
<i>Sauty</i> [1977], Corbas, France	sand and gravel	12			125, 100 15.5, 78 6.9	radial converging
<i>Sauty et al.</i> [1978], Bonnaud, France	sand	3	8.3 × 10 ⁻⁴ to 1.1 × 10 ⁻³ m ² /s			radial diverging
<i>Segol and Pinder</i> [1976], Cutler area, Biscayne Bay aquifer, Florida	fractured limestone and calcareous sandstone	30.5	0.45 × 10 ⁻² m/s (horizontal) and 0.09 × 10 ⁻⁴ m/s (vertical)	25	20	ambient
<i>Sudicky et al.</i> [1983], Borden	glaciofluvial sand	7-27	4.8 × 10 ⁻⁵ to 7.6 × 10 ⁻³ m/s	38	0.07- 0.25	ambient
<i>Sykes et al.</i> [1982, 1983], Borden	sand		5.8 to 7.2 × 10 ⁻³ m/s	35		ambient
<i>Sykes et al.</i> [1983], Mobile, Alabama	sand, silt, and clay	21	5 × 10 ⁻⁴ m/s (horizontal) and 2.5 × 10 ⁻⁵ m/s (vertical)	25	0.05	radial diverging

Monitoring	Tracer and Input*	Method of Data Interpretation	Scale of Test, m	Dispersivity $A_L/A_T/A_V, \tau, t, m$	Classification of Reliability of $A_L/A_T/A_V$ (I, II, III)‡
three-dimensional	^{131}I , RhWt, ^{82}Br , Cl^- , <i>E. Coli</i> (pulse)	three-dimensional uniform flow solution	54-59	1.4-11.5/ 0.1-3.3/ 0.04-0.10	II
three-dimensional	RhWt, ^{82}Br (pulse)	three-dimensional uniform flow solution	25	0.3-1.5/ .../0.06	II
three-dimensional	Cl^- (contamination)	three-dimensional uniform flow solution	290	41/10/0.07	III
two-dimensional	^{82}Br (pulse)	radial flow numerical model	6 3	0.16, 0.38 0.31	II II
two-dimensional	Cl^- , I^- (pulse)		6 3	0.6 0.6	II II
two-dimensional	heat (step)	two-dimensional numerical model	57.3	1.5	II
three-dimensional	^{51}Cr (step)	one-dimensional quasi-uniform flow solution	8	0.5	III
three-dimensional	^{131}I (step)	one-dimensional radial flow solution	3	0.03	III
three-dimensional	Cr^{+6} (contamination)	two-dimensional numerical model	1,000	21.3/4.2	III
two-dimensional	^3H (environmental)	one-dimensional uniform flow solution	32,000	20-23	III
three-dimensional	Br^- , Cl^- (pulse)	spatial moments	90	0.50/0.05/ 0.0022	I
two-dimensional	Cl^- (step)	one-dimensional uniform flow solution	11 20 40 16 43	5 2 8 4 11	III III III III III
two-dimensional	Cl^- (contamination)	two-dimensional numerical model	20,000	910/1370	III
two-dimensional	Cl^- (step)	one-dimensional quasi-uniform flow solution	6.4	15.2	III
two-dimensional	TDS (contamination)	two-dimensional numerical model	10,000	61/18	III
three-dimensional	TDS (contamination)	two-dimensional numerical model (vertical section)	3,200	61/.../0.2	III
two-dimensional	I^- (pulse)	one-dimensional uniform flow solution for layers	9.3 5.3 10.7 7.1	6.9 0.3, 0.7 0.46, 1.1 0.37	II III III II
two-dimensional	I^- (pulse)	one-dimensional uniform flow solution for layers	25 50 150	11, 1.25 25, 6.25 12.5	III III II
two-dimensional	heat (step)	one-dimensional radial flow solution	13	1.0	II
three-dimensional	Cl^- (environmental)	two-dimensional numerical model	490	6.7/.../0.67	III
three-dimensional	Cl^- (pulse)	three-dimensional uniform flow solution	11 0.75	0.08/0.03 0.01/0.005	II II
three-dimensional	Cl^- (pulse)	two-dimensional numerical model	700	7.6/.../0.31	III
three-dimensional	heat (step)	three-dimensional numerical model	57.3	0.76/.../0.15	II

Reference and Site Name	Aquifer Material	Average Aquifer Thickness, m	Hydraulic Conductivity (m/s) or Transmissivity (m ² /s)	Effective Porosity, %	Velocity, m/d	Flow Configuration
Vaccaro and Bolke [1983], Spokane aquifer, Washington and Idaho	glaciofluvial sand and gravel	152	9×10^{-5} m ² /s to 6.5 m ² /s	7-40	0.003-2.8	ambient
Valocchi et al. [1981], Palo Alto bay lands	sand, gravel, and silt	2	1.25×10^{-3} m ² /s (lower aquifer); 5.0×10^{-4} m ² /s (upper aquifer)	25	27	radial diverging
Walter [1983], WIPP	fractured dolomite	7	8.0×10^{-5} m ² /s	0.7 and 11 (along separate paths)	4.7, 2.4	radial converging
Webster et al. [1970], Savannah River Plant, South Carolina	crystalline, fractured schist and gneiss	76	3.6×10^{-7} m/s		1.3 21.4	two-well recirculating
Werner et al. [1983], Hydrothermal Test Site, Aeffigen, Switzerland	gravel	20	6×10^{-3} m/s	17	9.1	ambient
Wiebenga et al. [1967] and Lenda and Zuber [1970], Burdekin Delta, Australia	sand and gravel	6.1	5.5×10^{-3} m/s	32	29	radial converging
Wilson [1971] and Robson [1974], Tucson, Arizona	unconsolidated gravel, sand, and silt		5.75×10^{-3} m ² /s	38		two-well without recirculation radial diverging
Wood [1981], Aquia Formation, southern Maryland	sand	1,000	2.9×10^{-4} to 8.7×10^{-4} m ² /s	35	0.0003-0.0007	ambient
Wood and Ehrlich [1978] and Bassett et al. [1980], Lubbock, Texas	sand and gravel	17	3.2×10^{-3} to 4.4×10^{-3} m ² /s		78	radial converging

*TDS denotes total dissolved solids; EC, electrical conductivity; PFB, pentafluorobenzoate; MTFMB, metatrifluoromethylbenzoate; MFB, metafluorobenzoate; Para-FB, parafluorobenzoate; RhWT, rhodamine-WT dye; and SCN, thiocyanate.

† A_L denotes longitudinal dispersivity; A_T , horizontal transverse dispersivity; and A_V , vertical transverse dispersivity. Reported values for A_L , A_T , and A_V are separated by slashes. Absence of slashes means that values were reported for A_L only. A comma or a dash separating entries means that multiple values or a range of values, respectively, were reported for a particular dispersivity component.

‡For description of classification criteria, see text.

§E. E. Adams and L. W. Gelhar, Field study of dispersion in a heterogeneous aquifer: Spatial moments analysis (submitted to *Water Resources Research*, 1991).

||Porosity-corrected dispersivity value.

values). The type of event evaluated is indicated by a circle (tracer test, 83 values), triangle (contamination event, 15 values), or square (environmental tracer, eight values). The total numbers of values of dispersivity for each type of medium and test are shown in Table 2. Any reported values of horizontal transverse dispersivity or vertical transverse dispersivity are also listed in the dispersivity column of Table 1. For the cases examined, 24 values of horizontal transverse dispersivity and nine values of vertical transverse dispersivity were reported. In nearly all cases, the horizontal values were found to be 1-2 orders of magnitude less than the longitudinal values, and the vertical values smaller by another order of magnitude.

Evaluation of Dispersivity Data

From Figure 1, it appears that longitudinal dispersivity increases with scale. Field observations of dispersivity ranged from 0.01 m to approximately 5500 m at scales of 0.75 m to 100 km. The longitudinal dispersivity for the two types of aquifer material (porous versus fractured media) tends to

scatter over a similar range, although at a smaller scale fractured media seem to show higher values. At each scale there is at least a two-order-of-magnitude range in dispersivity. Because we noted a number of problems with data and their interpretation as we gathered them for Table 1, we would regard any conclusions about Figure 1 with skepticism until further qualifying statements can be made about the data points. Typical problems that we found with the studies reported in Table 1 include the following: data analysis not matched to flow configuration; mass input history unknown; nonconservative effects of tracer not accounted for; dimensionality of the monitoring not matched to the dimensionality of the analysis; and assumption of distinct geologic layers in analysis when their actual presence was not documented. Based on these problems, we decided to rate the data as high (I), medium (II), or low (III) reliability according to the criteria set forth below. Table 3 lists the criteria used to designate either high- or low-reliability data. No specific criteria were defined for the intermediate classification; it encompasses the dispersivity

Monitoring	Tracer and Input*	Method of Data Interpretation	Scale of Test, m	Dispersivity $A_L/A_T/A_V, \dagger$ m	Classification of Reliability of $A_L/A_T/A_V$ (I, II, III) \ddagger
	Cl ⁻ (contamination)	two-dimensional numerical model	43,400	91.4/27.4	III
	Cl ⁻ (step)	two-dimensional numerical model	16	1.0/0.1	I
two-dimensional	MTFMB, PFB, MFB, para-FB (pulse)	one-dimensional uniform flow solution	30	10-15	III
two-dimensional	⁸⁵ Sr ⁸⁵ Br (pulse)	one-dimensional quasi-uniform flow solution	538	134	III
three-dimensional	heat (step)	one-dimensional numerical model	700	130-234	III
			37	131	III
			105	208	III
			200	234	III
	¹³¹ I, ³ H (pulse)	one-dimensional uniform flow solution	18.3	0.26	II
three-dimensional	Cl ⁻ (step)	one-dimensional quasi-uniform flow solution	79.2	15.2	III
two-dimensional	Cl ⁻ (step)	one-dimensional radial flow solution	4.6	0.55	III
	Na ⁺ (environmental)	one-dimensional uniform flow solution	10 ⁵	5,600-40,000	III
two-dimensional	I ⁻ (pulse)	one-dimensional radial flow solution	1.52	0.015	II

values that do not fall into the high or low groups. These classifications do not place strict numerical confidence limits on reported dispersivities, but rather are intended to provide an order-of-magnitude estimate of the confidence we place on a given value. In general, we consider high-reliability dispersivity values to be accurate within a factor of 2. Low-reliability values are considered to be no more accurate than within 1 or 2 orders of magnitude. Intermediate reliability falls somewhere between the extremes. We wish to make a distinction between the judgment of the reliability of the reported dispersivity and the worth of a study. Often, the purpose of a study was for something other than the determination of dispersivity. Our classification of dispersivity is not intended as a judgment on the quality of a study as a whole, but rather to provide us with some criteria with which to screen the large number of data values obtained. By then examining the more reliable data, conclusions which evolve from the data will be more soundly based and alternative interpretations may become apparent.

High-reliability dispersivity data. For a reported dispersivity value to be classified as high reliability, each of the following criteria must have been met.

1. The tracer test was either ambient flow with known input, diverging radial flow, or a two-well pulse test (without recirculation). These three test configurations produce breakthrough curves which are sensitive to the dispersion coefficient and appear to work well in field applications [Wely and Gelhar, 1989]. The radial converging flow test is generally considered less satisfactory than the diverging test because breakthrough curves at the pumping well for the converging test frequently exhibit tailing, which complicates the interpretation of these tests. Some researchers attribute this behavior to two or more discrete geologic layers and try to reproduce the observed breakthrough curve by superposition of breakthrough curves in each layer, where the properties of each layer may differ [e.g., Ivanovitch and Smith, 1978; Sauty, 1977]. The problem with this interpretation is that there are typically numerous heterogeneities on a small scale that cannot be attributed solely to identifiable layers. One possible explanation of the tailing in radial convergent tests is sometimes termed "borehole flushing," where the tail of the breakthrough curve is attributed to the slow flushing of the input slug of tracer out of the injection borehole by the ambient groundwater flow. Goblet [1982] measured the slow flushing of tracer out of the

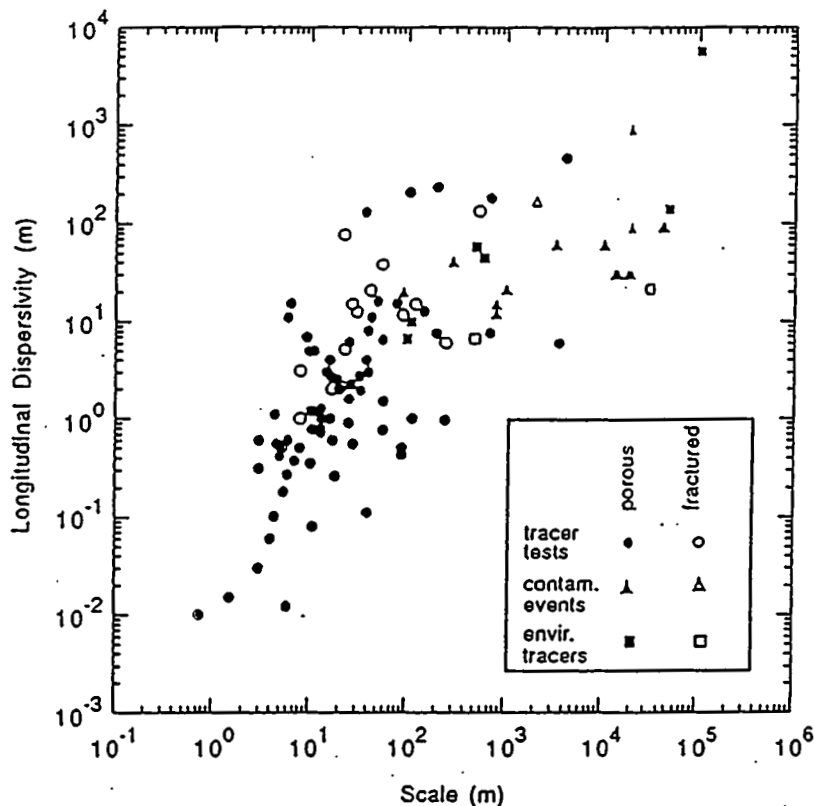


Fig. 1. Longitudinal dispersivity versus scale of observation identified by type of observation and type of aquifer. The data are from 59 field sites characterized by widely differing geologic materials.

borehole and modeled the effect as an exponentially decreasing input. His solution reproduced the tailing observed at the pumping well. In cases where borehole flushing was observed and accounted for, dispersivities obtained from a radial convergent flow test were not excluded from the high-reliability category.

2. The tracer input must be well defined. Both the input concentration and the temporal distribution of the input concentrations must be known (measured). If not, the input is another unknown in the solution of the advection-dispersion equation, and we are less confident in the resulting value of dispersivity.

3. The tracer must be conservative. A reactive or non-conservative tracer complicates the governing equations and resulted in additional parameters that must be estimated. Consequently, we are less confident in the resulting dispersivity. Tracers such as Cl^- , I^- , Br^- , and tritium were considered to be conservative.

4. The dimensionality of the tracer concentration measurements was appropriate. A tracer introduced into an aquifer will spread in three spatial dimensions. High-reliability dispersivities were judged to be those where three-dimensional monitoring was used in all cases except where the aquifer tracer had been injected and measured over the full depth of the aquifer; in this case two-dimensional monitoring was acceptable. In all other cases, where the dimension of the measurement was either not reported or where two-dimensional measurements were used where three-dimensional measurements should have been used, the dispersivity values were judged to be of lower reliability.

5. The analysis of the concentration data was appropriate. Since the interpretation of the tracer data is necessarily linked to the type of tracer test to which the interpretation method is applied, these two features of the field studies were evaluated together. The three general categories of data interpretation can be grouped as follows: (1) breakthrough curve analysis, usually applied to uniform ambient flow tests and radial flow tests [e.g., Saury, 1980]; (2) method of spatial moments, applied to uniform ambient flow tests [Freyberg, 1986]; and (3) numerical methods, applied to contamination events [e.g., Pinder, 1973; Konikow and Bredehoeft, 1974].

A common difficulty with the interpretation of concentration data using breakthrough curve matching to determine dispersivity is the assumption that the dispersivity is constant. The field data assembled in this review suggest that this assumption is not valid, at least for small-scale tests (tens of meters). At larger scales (hundreds of meters) an asymptotic constant value of dispersivity is predicted by some theories. However, at most sites the displacement distance after which the dispersivity is constant is not

TABLE 2. Numbers of Dispersivities for Different Types of Tests and Media

Media Type	Tracer Type			Total
	Artificial	Contamination	Environmental	
Porous	68	14	6	88
Fractured	15	1	2	18
Total	83	15	8	106

TABLE 3. Criteria Used to Classify the Reliability of the Reported Dispersivity Values

Classification	Criteria
High reliability	Tracer test was either ambient flow, radial diverging flow, or two-well instantaneous pulse test (without recirculation). Tracer input was well defined. Tracer was conservative. Spatial dimensionality of the tracer concentration measurements was appropriate. Analysis of the tracer concentration data was appropriate.
Low reliability	Two-well recirculating test with step input was used. Single-well injection-withdrawal test with tracer monitoring at the single well was used. Tracer input was not clearly defined. Tracer breakthrough curve was assumed to be the superposition of breakthrough curves in separate layers. Measurement of tracer concentration in space was inadequate. Equation used to obtain dispersivity was not appropriate for the data collected.

known. Data for which no a priori assumptions were made regarding the dispersivity were considered to be highly reliable.

A second major problem with many of the analyses reviewed was that a one- or two-dimensional solution to the advection-dispersion equation was used when the spreading of the plume under consideration was three-dimensional in nature. High-reliability dispersivities were those for which the dimensionality of the solute plume, the solute measurements, and the data analyses were consistent.

Low-reliability dispersivity data. A reported dispersivity was classified as being of low reliability if one of the following criteria was met.

1. The two-well recirculating test with a step input was used. The problem with this configuration is that, except for very early time where concentrations are low, the breakthrough curve is not strongly influenced by dispersion, but rather is determined by the different travel times along the flow paths established by injection and pumping wells (Welty and Gelhar, 1989). As a result, the two-well test with a step input is generally insensitive to dispersion. For this reason all tests of this type were considered to produce data of low reliability.

2. The single-well injection-withdrawal test was used with tracer monitoring at the pumping well. A difficulty encountered in the small-scale, single-well, injection-withdrawal test (where water is pumped into and out of one well) is that if observations are made at the production well, the dispersion process observed is different from one of unidirectional flow. The problem stems from the fact that macrodispersion near the injection well is due to velocity differences associated with layered heterogeneity of the hydraulic conductivity. In the single-well test with observations made at the production well, the effect observed is that of reversing the velocity of the water. If the tracer travels at different velocities in layers as it radiates outward, it will also travel with the same velocity pattern as it is drawn back

to the production well. As a result, the mixing process is partially reversible and the dispersivity would be underestimated relative to the value for unidirectional flow. Heller (1972) has carried out experiments which demonstrate the reversibility effect on a laboratory scale.

3. The tracer input was not clearly defined. When a contamination event or environmental tracer is modeled, the tracer input (both quantity and temporal distribution) is not well defined and becomes another unknown in solving the advection-dispersion equation.

4. The tracer breakthrough curve was assumed to be the superposition of breakthrough curves in separate layers when there was little or no evidence of such layers at the field site. These studies generally assume that the porous medium is perfectly stratified, which, especially at the field scale, may not be a valid assumption. At a small scale (a few meters) where the existence of continuous layers may be a reasonable assumption, the dispersivity of each layer does not represent the field-scale parameter. The field-scale dispersivity is a result of the spreading due to the different velocities in each layer.

5. The measurement of tracer concentration in space was inadequate. Under ambient flow conditions the tracer is usually distributed in three-dimensional space, but if the measurements are two-dimensional then the actual tracer cloud cannot be analyzed lacking the appropriate data. If the tracer is introduced over the entire saturated thickness, then two-dimensional measurements would be adequate.

6. The equation used to obtain dispersivity was not appropriate for the data collected. Various assumptions regarding flow and solute characteristics are made in obtaining a solution to the advection-dispersion equation. To apply a particular solution to the data from a field experiment, the assumptions in that solution must be consistent with the experimental conditions. One common example is the case of applying a one-dimensional (uniform velocity) flow solution to a radial flow test in which the converging (or diverging) flow field around the pumping or injection well is clearly nonuniform.

Results of classification. From the classification process, 14 dispersivity values were judged to be of high reliability. The sites where these values were determined include Borden, Ontario, Canada; Otis Air Force Base, Cape Cod, Massachusetts; Hanford, Washington; Mobile, Alabama; University of California, Berkeley; Yavne region, Israel; Bonnaud, France (six tests); and Palo Alto bay lands. There were 61 values judged to be of low reliability for one or more of the reasons discussed above; 31 sites provided data judged to be of intermediate value. Figure 2 depicts the longitudinal dispersivity data replotted with symbols reflecting the reliability classification; the largest symbols indicate data judged to be of highest reliability.

The general compilation of all dispersivity data in Figure 1 indicates that dispersivity might increase indefinitely with scale, but after critically evaluating the data in terms of reliability as shown in Figure 2, it is evident that this trend cannot be extrapolated with confidence to all scales. The largest high-reliability dispersivity value is 4 m (Mobile, Alabama) and the largest scale of high-reliability values is 250 m (Cape Cod, Massachusetts). It is not clear from these data whether dispersivity increases indefinitely with scale or whether the relationship becomes constant for very large scales, as would be predicted by some theories. This points

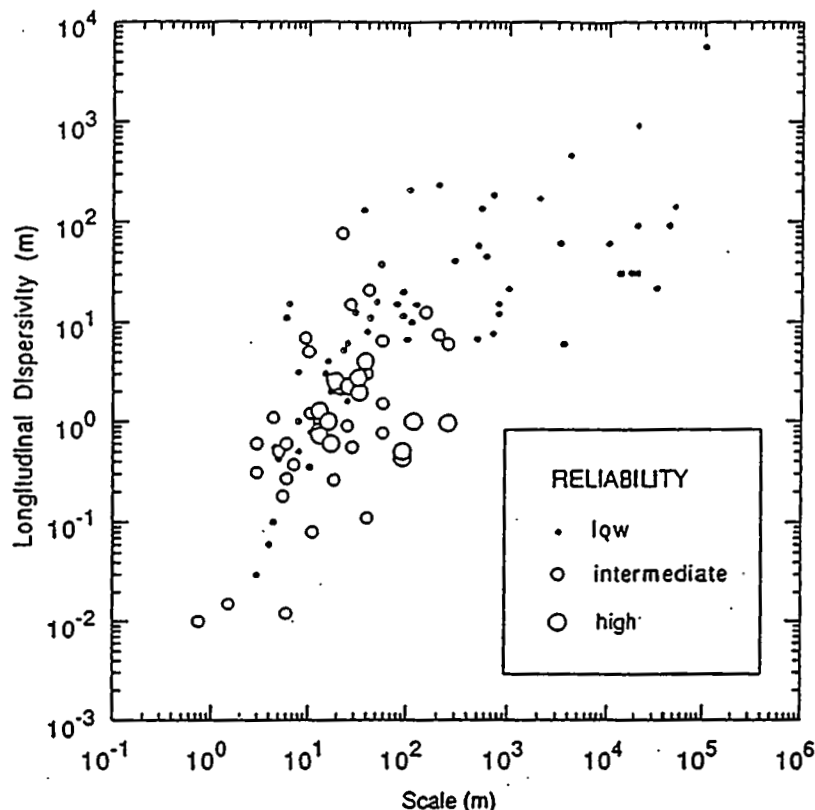


Fig. 2. Longitudinal dispersivity versus scale with data classified by reliability.

to a need for reliable data at scales larger than 250 m. Whether conducting controlled tracer tests at these very large scales is feasible is open to question.

When the reliability of the data is considered, the apparent difference between fractured and porous media at small scales (Figure 1) is regarded to be less significant because none of the fractured media data are of high reliability.

Reanalyses of Selected Dispersivity Data

In cases where the concentration data collected were of high reliability but the method of analysis could be improved, we reevaluated the data to determine a dispersivity value which we judged to be of higher reliability. The details of these analyses are reported by *Welty and Gelhar* [1989]. The results are summarized here.

Corbas, France. The data from this converging radial flow tracer test are reported by *Sauty* [1977]. These data are of particular interest because tests were conducted at three different scales in the same aquifer material; tracer was injected at 25, 50, and 150 m from a pumping well. *Sauty* [1977] evaluated these data using uniform flow solutions to the one-dimensional advection-dispersion equation. At the two smaller-scale tests, he assumed a two-layer scheme, although this assumption was not supported by geologic evidence. For this reason the data at the smaller scales were rated to be of lower reliability than the data at 150 m. We reevaluated these data using a solution that accounts for nonuniform, convergent radial flow effects and that makes no assumptions about geologic layers [*Welty and Gelhar*, 1989]. The values of dispersivity reported by *Sauty* at 25 m are 11 m and 1.25 m for the two hypothesized layers; we calculated

a value of 2.4 m without the assumption of layers. At 50 m, *Sauty* calculated dispersivity values of 25 m and 6.25 m for the two layers; we calculate an overall value of 4.6 m. At a scale of 150 m, *Sauty* calculated a dispersivity value of 12.5 m without the assumption of layers; our calculation of 10.5 m is in close agreement. Our calculations indicate that dispersivity increases with scale, accounting for nonuniform flow effects and without the arbitrary assumption of geologic layers.

Savannah River Plant, Georgia. *Webster et al.* [1970] evaluated data from a two-well recirculating test using the methodology of *Grove and Beeten* [1971]. This analysis assumes uniform flow along stream tubes and sums individual breakthrough curves along the stream tubes to obtain a composite breakthrough curve. A dispersivity value of 134 m at a scale of 538 m was obtained using this method. We reevaluated the data using the methodology of *Gelhar* [1982] which accounts for nonuniform flow effects. We obtained a dispersivity value of 47 m from our analysis. We have more confidence in this value because the analysis more accurately represents the actual flow configuration.

Tucson, Arizona. The data reported by *Wilson* [1971] for a two-well test were also evaluated by *Robson* [1974] using a *Grove and Beeten*-type analysis. *Wilson* reported a value of longitudinal dispersivity of 15.2 m at a scale of 79.2 m. Using a nonuniform flow solution based on that of *Gelhar* [1982], we calculated a value of longitudinal dispersivity of 1.2 m, an order of magnitude smaller than that of *Robson*. Again, we have more confidence in this value because the analysis more accurately reflects the actual flow situation.

Columbus, Mississippi. The natural gradient tracer test at the Columbus site (E. E. Adams and L. W. Gelhar, Field

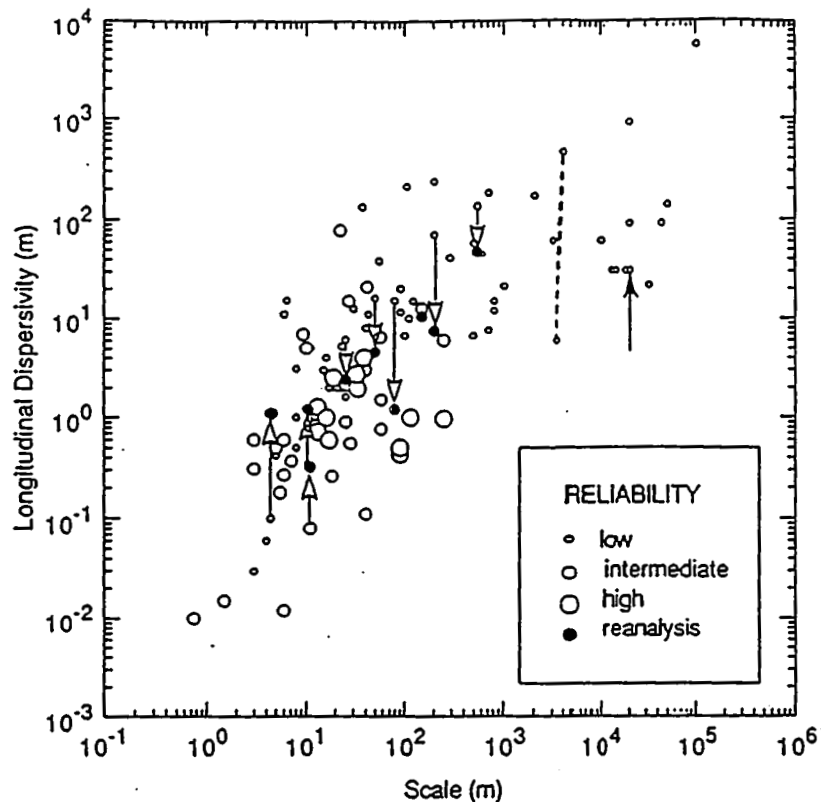


Fig. 3. Longitudinal dispersivity versus scale of observation with adjustments resulting from reanalyses. Arrows indicate reported values at tails and corresponding values from reanalyses at heads. Dashed line connects two dispersivity values determined at the Hanford site.

study of dispersion in a heterogeneous aquifer: Spatial moments analysis, submitted to *Water Resources Research*, 1991; hereinafter Adams and Gelhar, submitted manuscript, 1991) is unique in that the large-scale ambient flow field exhibits strong nonuniformity and the aquifer is very heterogeneous. A superficial spatial moments interpretation, ignoring the flow nonuniformity, indicated a longitudinal dispersivity of around 70 m, whereas a more refined analysis that explicitly includes the influence of flow nonuniformity yields a dispersivity of around 7 m (Adams and Gelhar, submitted manuscript, 1991). This refined estimate is regarded to be of intermediate reliability because of the uncertainty regarding the mass balance at the Columbus site.

From the above reanalyses, all values of dispersivity calculated were smaller than the original values. We have higher confidence in these values because they are associated with solutions to the advection-dispersion equation with more realistic assumptions. In all cases we would rate the new values to be of intermediate reliability instead of low reliability. The reevaluated data are shown as solid symbols on Figure 3 connected to their original values by vertical arrows.

Based on the above reanalyses, we suspect that it is most likely that improved analyses would reduce many of the lower-reliability dispersivities in Figure 2. However, there are a few cases for which more appropriate observations and/or interpretations would most likely lead to larger dispersivities. For example, the Twin Lake natural gradient tracer test (Moltryaner and Killey, 1988a, b) was interpreted by using breakthrough curves at individual boreholes con-

structed as the average of breakthrough curves in three somewhat arbitrarily defined layers. We suspect that this kind of localized observation will produce a significantly lower dispersivity than would result from a spatial moments analysis which considers the overall spreading of the plume. The magnitude of the possible increase in the dispersivity cannot be assessed because the sampling network did not completely encompass the plume at the Twin Lake site.

Another example is that of the first Borden site natural gradient experiment (Sudicky et al., 1983) which was analyzed using an analytical solution with spatially constant dispersivities. In the near-source region where dispersivities are actually increasing with displacement, this approach will tend to underestimate the magnitude of the dispersivity. Gelhar et al. [1985] reanalyzed the first Borden experiment using the method of spatial moments and found that the longitudinal dispersivity at 11 m was 2–4 times that found by Sudicky et al. [1983]. The resulting increase in the dispersivity is illustrated in Figure 3 connected to the original point by a vertical line. Because of the incomplete plume sampling and plume bifurcation in this test (only the "slow zone" was analyzed), this point is still regarded to be of intermediate reliability.

Dispersivities at small displacements will also be underestimated if based on breakthrough curves measured in localized samplers in individual layers. Such effects are likely, for example, in the Perch Lake (Lee et al., 1980) and Lower Glatt Valley (Hoehn, 1983) interpretations. Later interpretation of the Lower Glatt Valley data using temporal moments (Hoehn and Santachi, 1987) shows values an order of

magnitude larger; these are connected with the original values by vertical lines in Figure 3.

As a further illustration of the uncertainty in the longitudinal dispersivity values in Figure 2, consider the data for the Hanford site. The tracer test [Bierschenk, 1959; Cole, 1972] interpreted from breakthrough curves at two different wells at roughly the same distance (around 4000 m) from the injection point produced values differing by 2 orders of magnitude (see dashed line in Figure 3). This difference illustrates the difficulty in interpreting point breakthrough curves in heterogeneous aquifers, even at this large displacement. The numerical simulations of the contamination plume [Ahlfstrom *et al.*, 1977] extending to 20,000 m used a dispersivity of 30.5 m (100 feet) as identified by the bold arrow in Figure 3. Evidently this round number (100 feet) was popular in several different simulations of contaminant plumes.

In none of the cases of simulations of contamination events is there any explicit information on how the dispersivity values were selected or in what sense the values may be optimal. Consequently it is not possible to quantify the uncertainty in dispersivity values based on contamination event simulations. However, experience suggests that, because of the possible tendency to select large dispersivities which avoid the numerical difficulties associated with large grid Peclet numbers, some of the dispersivity values based on contaminant plumes are likely to be biased toward higher values. Such overestimates would occur mainly at larger scales.

The results of these reanalyses provide an explicit indication of the uncertainty in the dispersivity values in Figure 2 and suggest that for large displacements the low-reliability dispersivities are likely to decrease whereas for small displacements some increases can be expected.

Transverse Dispersivities

Although the data on transverse dispersivity are much more limited, they reveal some features which are important in applications. The data on horizontal and vertical transverse dispersivities are summarized in Figures 4 and 5, which show these parameters as a function of scale of observation. The data are portrayed in terms of reliability classification with the largest symbols identifying the high-reliability points.

In the case of the horizontal dispersivity, there appears to be some trend of increasing dispersivity with scale but this appearance results from low-reliability data which finds their origin largely in contaminant event simulations using two-dimensional depth-averaged descriptions. In these contamination situations the sources are often ill-defined; if the actual source area is larger than that represented in the model there will be greater transverse spreading which would incorrectly be attributed to transverse dispersion.

In the case of vertical transverse dispersion (Figure 5), the data are even more limited and certainly do not imply any significant trend with overall scale. Note that there are only two points of high reliability, those corresponding to the Borden [Freyberg, 1986] and Cape Cod [Garabedian *et al.*, 1988, 1991] sites. The estimate of the vertical transverse dispersivity for the Borden site is from the recent three-dimensional analysis of Rajaram and Gelhar [1991]. The vertical transverse dispersivity is seen to be much smaller than the horizontal transverse dispersivity, apparently reflecting the roughly horizontal stratification of hydraulic conductivity encountered in permeable sedimentary materi-

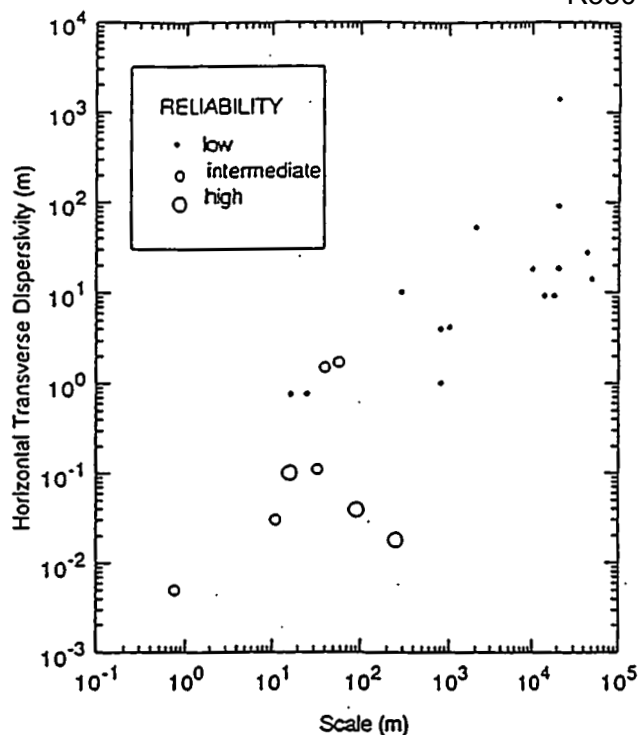


Fig. 4. Horizontal transverse dispersivity as a function of observation scale.

als. All of the vertical dispersivities are less than 1 m and high-reliability values are only a few millimeters, this being the same order of magnitude as the local transverse dispersivity for sandy materials.

The ratio of longitudinal dispersivity to the horizontal and vertical transverse dispersivities is shown in Figure 6. This form of presentation is used because it is common practice to select constant values for the ratio of longitudinal to transverse dispersivities. For one thing, this plot illustrates the popularity of using, in numerical simulations, a horizontal transverse dispersivity which is about one third of the longitudinal dispersivity (the horizontal dashed line in Figure 6). There does not appear to be any real justification for using this ratio. We are not aware of any simulation work which systematically demonstrates the appropriateness of this value for the horizontal transverse dispersivity. The two high-reliability points show an order of magnitude higher ratio of longitudinal to horizontal transverse dispersivities. The vertical dashed lines in Figure 6 are used to identify three-dimensionally monitored sites for which all three principal components of the dispersivity tensor have been estimated. In all of these cases, the vertical transverse dispersivity is 1–2 orders of magnitude smaller than the horizontal transverse dispersivity. This behavior further emphasizes the small degree of vertical mixing which is frequently encountered in naturally stratified sediments. This small degree of vertical mixing is clearly an important consideration in many applications, such as the design of observation networks to monitor contamination plumes and the development of remediation schemes. Consequently, in order to model many field situations realistically, it will be necessary to use three-dimensional transport models which adequately represent the small but finite vertical mixing.

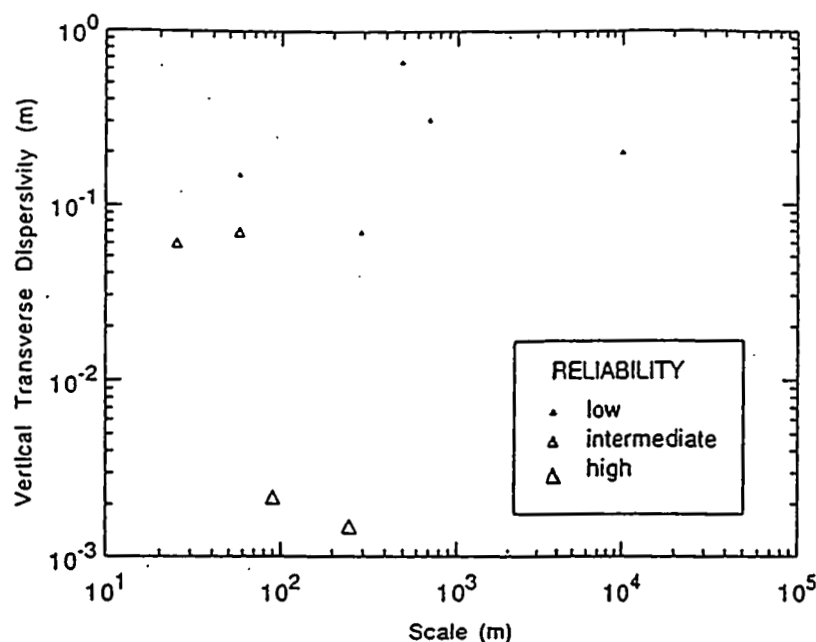


Fig. 5. Vertical transverse dispersivity as a function of observation scale.

INTERPRETATIONS

This review of field observations of dispersive mixing in aquifers demonstrates several overall features which are evident from the graphical and tabular information developed here. Taken in aggregate, without regard for reliability, the data indicate a clear trend of systematic increase of longitudinal dispersivity with scale. In terms of aquifer type (porous versus fractured media) the data at smaller scale may seem to be higher for fractured media but, in view of the lower reliability of the fractured media data, this difference is of minimal significance.

When the data on longitudinal dispersivity are classified according to reliability, the pattern regarding scale dependence of dispersivity is less clear (see Figure 2). There are no

high-reliability points at scales greater than 300 m and the high-reliability points are systematically in the lower portion of the scattering of data. The lack of high-reliability data at scales greater than 300 m reflects the fact that the data beyond that scale are almost exclusively from contamination simulations or environmental tracer studies for which the solute input is typically ill-defined. Because of the very long period of time required to carry out controlled input tracer experiments at these larger scales, such experiments have not been undertaken.

Although the data shown in Figure 2 suggest that some overall trend of increasing dispersivity with scale is plausible, it does not seem reasonable to conclude that a single universal line [Neuman, 1990] can be meaningfully identified

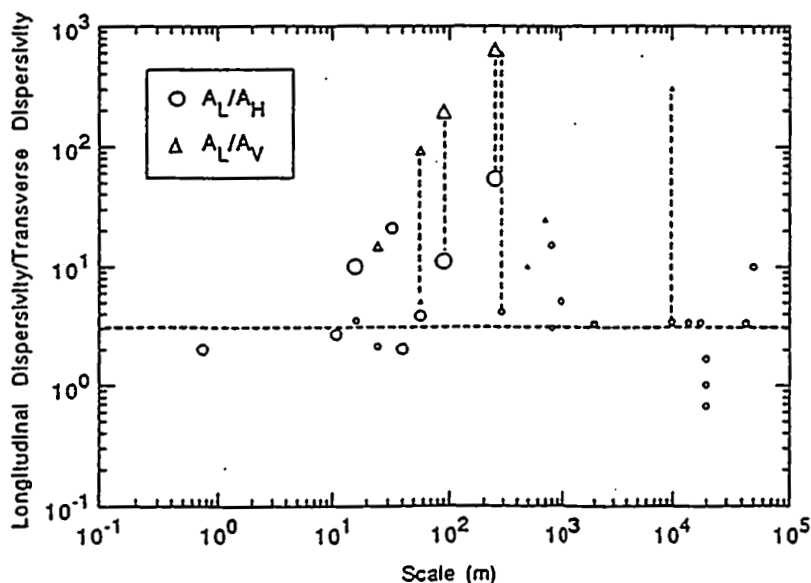


Fig. 6. Ratio of longitudinal to horizontal and vertical transverse dispersivities; largest symbols are high reliability and smallest symbols are low reliability. Vertical dashed lines connecting two points indicate sites where all three principal components of the dispersivity tensor have been measured. Horizontal dashed line indicates a ratio of $A_L/A_T = 1/3$, which has been widely used in numerical simulations.

by applying standard linear regression to all of the data. Rather we would expect a family of curves reflecting different dispersivities in aquifers with different degrees of heterogeneity. At a given scale, the longitudinal dispersivity typically ranges over 2-3 orders of magnitude. This degree of variation can be explained in terms of the established stochastic theory (e.g., Gelhar and Axness, 1983; Dagan, 1984) which shows that the longitudinal dispersivity is proportional to the product of the variance and the correlation scale of the natural logarithm of hydraulic conductivity. A compilation of data on these parameters [Gelhar, 1986] shows that they vary over a range that can easily explain the range of variation in Figure 2. The theoretical results for the developing dispersion process [Gelhar et al., 1979; Dagan, 1984; Gelhar, 1987; Naff et al., 1988] show that the longitudinal dispersivity initially increases linearly with displacement distance and gradually approaches a constant asymptotic value [see Gelhar, 1987, Figure 9]. One could visualize the behavior of Figure 2 as being the result of superimposing several such theoretical curves with different parameters characterizing aquifer heterogeneity.

The results of reanalyses for several of the individual sites serve to illustrate explicitly the uncertainty involved in the estimates of longitudinal dispersivity. The reanalyses indicate that, for the most part, improved analysis will lead to decreases in the longitudinal dispersivity except possibly for very small displacements where limited localized sampling can produce underestimates of the bulk spreading and mixing. In cases where the dispersivity estimates were based on numerical simulations of contamination events, the degree of uncertainty is likely large and ill-determined, but bias in some of the estimates toward the high side seems most likely.

From an applications perspective, the information assembled here should serve as a strong cautionary note about routinely adopting dispersivities from Figure 2 or a linear regression representation through the data. We feel that the preponderance of evidence favors the use of dispersivity values in the lower half of the range at any given scale. If values in the upper part of the range are adopted, excessively large dilution may be predicted and the environmental consequences misrepresented. In the case of transverse dispersivities, it is particularly important to recognize the very low vertical transverse dispersivities that have been observed at several sites. As a result, many contamination plumes will exhibit very limited vertical mixing with high concentrations at a given horizon. The recognition of such features is of obvious importance in designing monitoring schemes and implementing aquifer remediation. Horizontal transverse dispersivities are typically an order of magnitude smaller than the longitudinal dispersivity whereas vertical transverse dispersivities are another order of magnitude lower.

From a research perspective, the data reviewed here suggest a need for some skepticism regarding "universal" models which represent the scattered data of varying reliability by a single straight line. The presumption of such a universal model ignores the fact that different aquifers will have different degrees of heterogeneity at a given scale. The data suggest that there is a scale dependence of longitudinal dispersivity but reliable data must be developed at larger scales in order to establish the nature of the dependence. Clearly, there is a need for very large scale, long-term, carefully planned experiments extending to several kilometers.

Acknowledgments. The work was supported in part by the Electric Power Research Institute (EPRI), project 2485-3, which was a joint effort of the Massachusetts Institute of Technology (MIT) and the Tennessee Valley Authority (TVA). This portion of the work was done at MIT under contract TV-61664A with TVA. The work was also supported by the National Science Foundation, grant CES-8314615.

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(Received April 8, 1991;
revised March 4, 1992;
accepted March 12, 1992.)

DOCUMENTATION NUMBER 6

Basics of Pump-and-Treat Ground-Water Remediation Technology

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Table A-1. Water Solubility, Vapor Pressure, Henry's Law Constant, Koc, and Kow Data for Selected Chemicals.

Chemical Name	CAS #	EPA	Water Solubility (mg/l)	Ref	Vapor Pressure (mm Hg)	Ref	Henry's Law Constant (atm-m ³ /mol)	Ref	Koc (ml/g)	Ref	Kow	Ref
PESTICIDES												
Acrolein [2-Propenal]	107-02-8	PP	2.08E+05	H	2.69E+02	H	9.54E-05	X			8.13E-01	H
Aldicarb [Temik]	116-06-3		7.80E+03	E							5.00E+00	F
Aldrin	309-00-2	HPP	1.80E-01	A	6.00E-06	A	1.60E-05	A	9.60E+04	A	2.00E+05	A
Captan	133-06-2		5.00E-01	A	6.00E-05	A	4.75E-05	A	6.40E+03	B	2.24E+02	A
Carbaryl [Sevin]	63-25-2		4.00E+01	A	5.00E-03	A	3.31E-05	X	2.30E+02	G	2.29E+02	A
Carbofuran	1563-66-2		4.15E+02	G	2.00E-05	G	1.40E-08	X	2.94E+01	F	2.07E+02	F
Carbophenothion [Trithion]	786-19-6								4.66E+04	F		
Chlordane	57-74-9	HPP	5.60E-01	A	1.00E-05	A	9.63E-06	A	1.40E+05	A	2.09E+03	A
p-Chloroaniline [4-Chlorobenzenamine]	106-47-8	HSL	5.30E+03	L	2.00E-02	G	6.40E-07	X	5.61E+02	F	6.76E+01	H
Chlorobenzilate	510-15-6		2.19E+01	A	1.20E-06	A	2.34E-08	A	8.00E+02	B	3.24E+04	A
Chlorpyrifos [Dursban]	2921-88-2		3.00E-01	E	1.87E-05	J	2.87E-05	X	1.36E+04	E	6.60E+04	F
Crotoxyphos [Clodrin]	7700-17-6		1.00E+03	E	1.40E-05	J	5.79E-09	X	7.48E+01	F		
Cyclophosphamide	50-18-0		1.31E+09	A					4.20E-02	B	6.03E-04	A
DDD	72-54-8	HPP	1.00E-01	A	1.89E-06	A	7.96E-06	A	7.70E+05	A	1.58E+06	A
DDE	72-55-9	HPP	4.00E-02	A	6.50E-06	A	6.80E-05	A	4.40E+06	A	1.00E+07	A
DDT	50-29-3	HPP	5.00E-03	A	5.50E-06	A	5.13E-04	A	2.43E+05	A	1.55E+06	A
Diazinon [Spectracide]	333-41-5		4.00E+01	E	1.40E-04	J	1.40E-06	X	8.50E+01	P	1.05E+03	F
1,2-Dibromo-3-chloropropane [DBCP]	96-12-8		1.00E+03	A	1.00E+00	A	3.11E-04	A	9.80E+01	B	1.95E+02	A
1,2-Dichloropropane	78-87-5	HPP	2.70E+03	A	4.20E+01	A	2.31E-03	A	5.10E+01	A	1.00E+02	A
1,3-Dichloropropene [Telone]	542-75-6	HPP	2.80E+03	A	2.50E+01	A	1.30E-01	A	4.80E+01	A	1.00E+02	A
Dichlorvos	62-73-7		1.00E+04	E	1.20E-02	J	3.50E-07	X			2.50E+01	E
Dieldrin	60-57-1	HPP	1.95E-01	A	1.78E-07	A	4.58E-07	A	1.70E+03	A	3.16E+03	A
Dimethoate	60-51-5		2.50E+04	A	2.50E-02	A	3.00E-07	X			5.10E-01	E
Dinoseb	88-85-7		5.00E+01	A	5.00E-05	G	3.16E-07	X	1.24E+02	E	1.98E+02	F
N,N-Diphenylamine	122-39-4		5.76E+01	A	3.80E-05	A	1.47E-07	A	4.70E+02	B	3.98E+03	A
Disulfoton	298-04-4		2.50E+01	E	1.80E-04	E	2.60E-06	X	1.60E+03	F		
alpha-Endosulfan	115-29-7	HPP	1.60E-01	H	1.00E-05	H	3.35E-05	X			3.55E+03	H
beta-Endosulfan	115-29-7	HPP	7.00E-02	H	1.00E-05	H	7.65E-05	X			4.17E+03	H
Endosulfan Sulfate	1031-07-8	HPP	1.60E-01	H							4.57E+03	H
Endrin	72-20-8	HPP	2.40E-02	E	2.00E-07	G	4.17E-06	X			2.18E+05	E
Endrin Aldehyde	7421-93-4	PP										
Endrin Ketone		HSL										
Ethion	563-12-2		2.00E+00	E	1.50E-06	J	3.79E-07	X	1.54E+04	E		
Ethylene Oxide	75-21-8		1.00E+06	A	1.31E+03	A	7.56E-05	A	2.20E+00	B	6.03E-01	A
Fenitrothion	122-14-5		3.00E+01	E	6.00E-06	J	7.30E-08	X			2.40E+03	E
Heptachlor	76-44-8	HPP	1.80E-01	A	3.00E-04	A	8.19E-04	A	1.20E-04	A	2.51E+04	A
Heptachlor Epoxide	1024-57-3	HPP	3.50E-01	A	3.00E-04	A	4.39E-04	A	2.20E+02	A	5.01E+02	A
alpha-Hexachlorocyclohexane	319-84-6	HPP	1.63E+00	A	2.50E-05	A	5.87E-06	A	3.80E+03	A	7.94E+03	A

Notes: PP = Priority Pollutant; HSL = Hazardous Substance List Parameter; HPP = PP and HSL Parameters. Additional notes and data references are provided at end of this table.

Table A-1. Water Solubility, Vapor Pressure, Henry's Law Constant, Koc, and Kow Data for Selected Chemicals.

Chemical Name	CAS #	EPA	Water Solubility (mg/l)	Ref	Vapor Pressure (mm Hg)	Ref	Henry's Law Constant (atm-m ³ /mol)	Ref	Koc (ml/g)	Ref	Kow	Ref
beta-Hexachlorocyclohexane	319-85-7	HPP	2.40E-01	A	2.80E-07	A	4.47E-07	A	3.80E+03	A	7.94E+03	A
delta-Hexachlorocyclohexane	319-86-8	HPP	3.14E+01	A	1.70E-05	A	2.07E-07	A	6.60E+03	A	1.26E+04	A
gamma-Hexachlorocyclohexane [Lindane]	58-89-9	HPP	7.80E+00	A	1.60E-04	A	7.85E-06	A	1.08E+03	A	7.94E+03	A
Isophorone	78-59-1	HPP	1.20E+04	H	3.80E-01	H	5.75E-06	X			5.01E+01	H
Kepone	143-50-0		9.90E-03	A					5.50E+04	B	1.00E+02	A
Leptophos	21609-90-5		2.40E+00	E					9.30E+03	E	2.02E+06	E
Malathion	121-75-7		1.45E+02	A	4.00E-05	A	1.20E-07	X	1.80E+03	F	7.76E+02	A
Methoxychlor	72-43-5	HSL	3.00E-03	E					8.00E+04	E	4.75E+04	E
Methyl Parathion	298-00-0		6.00E+01	A	9.70E-06	A	5.59E-08	A	5.10E+03	F	8.13E+01	A
Mirex (Dechlorane)	2385-85-5		6.00E-01	C	3.00E-01	C	3.59E-01	X	2.40E+07	G	7.80E+06	D
Nitralin	4726-14-1		6.00E-01	E	9.30E-09	J	7.04E-09	X	9.60E+02	G		
Parathion	56-38-2		2.40E+01	G	3.78E-05	J	6.04E-07	X	1.07E+04	F	6.45E+03	F
Phenylurea [Phenylcarbamide]	64-10-8								7.63E+01	F	6.61E+00	H
Phorate [Thimet]	298-02-2		5.00E+01	E	8.40E-04	J	8.49E-11	X	3.26E+03	F		
Phosmet	732-11-6		2.50E+01	E	<1.0E-03	J					6.77E+02	E
Ronnel [Fenchlorphos]	299-84-3		6.00E+00	E	8.00E-04	J	5.64E-05	X			4.64E+04	E
Strychnine	57-24-9		1.56E+02	A							8.51E+01	H
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6		2.00E-04	A	1.70E-06	A	3.60E-03	A	3.30E+06	A	5.25E+06	A
Toxaphene	8001-35-2	HPP	5.00E-01	A	4.00E-01	A	4.36E-01	A	9.64E+02	A	2.00E+03	A
Trichlorfon [Chlorofos]	52-68-6		1.54E+05	A	7.80E-06	A	1.71E-11	A	6.10E+00	B	1.95E+02	A
HERBICIDES												
Alachlor	15972-60-8		2.42E+02	E					1.90E+02	E	4.34E+02	F
Ametryn	834-12-8		1.85E+02	E					3.88E+02	F		
Amitrole [Aminotriazole]	61-82-5		2.80E+05	A					4.40E+00	B	8.32E-03	A
Atrazine	1912-24-9		3.30E+01	G	1.40E-06	K	2.59E-13	X	1.63E+02	F	2.12E+02	F
Benfluralin [Benefin]	1861-40-1		<1.0E+00	E	3.89E-04	J			1.07E+04	E		
Bromocil	314-40-9		8.20E+02	P					7.20E+01	F	1.04E+02	F
Cacodylic Acid	75-60-5		8.30E+05	A					2.40E+00	B	1.00E+00	A
Chloramben	133-90-4		7.00E+02	E	<7.0E-03	J			2.10E+01	E	1.30E+01	F
Chlorpropham	101-21-3		8.80E+01	E					8.16E+02	F	1.16E+03	F
Dalapon [2,2-Dichloropropanoic Acid]	75-99-0		5.02E+05	E							5.70E+00	F
Diallate	2303-16-4		1.40E+01	A	6.40E-03	A	1.65E-04	A	1.90E+03	G	5.37E+00	A
Dicamba	1918-00-9		4.50E+03	E	2.00E-05	G	1.30E-09	X	2.20E+00	F	3.00E+00	F
Dichlobenil [2,6-Dichlorobenzonitrile]	1194-65-6		1.80E+01	E	3.00E-06	J	3.77E-08	X	2.24E+02	F	7.87E+02	F
2,4-Dichlorophenoxyacetic Acid [2,4-D]	94-75-7		6.20E+02	A	4.00E-01	A	1.88E-04	A	1.96E+01	F	6.46E+02	A
Dipropetryne	47-51-7		1.60E+01	J	7.50E-07	J	1.53E-08	X	1.18E+03	F		
Diuron	330-54-1		4.20E+01	E	<3.1E-06	J			3.82E+02	F	6.50E+02	F
Fenuron	101-42-8		3.85E+03	E	<1.6E-04	K			4.22E+01	F	1.00E+01	E
Fluometuron	2164-17-2		9.00E+01	G					1.75E+02	G	2.20E+01	E

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Chemical Name	CAS #	Water Solubility		Vapor Pressure		Henry's Law Constant		Koc		Kow		
		EPA	(mg/l)	Ref	(mm Hg)	Ref	(atm-m ³ /mol)	Ref	(ml/g)	Ref	Ref	
Linuron	330-55-2		7.50E+01	E	1.50E-05	J	6.56E-08	X	8.63E+02	F	1.54E+02	E
Methazole [Oxydiazol]	20354-26-1		1.50E+00	E					2.62E+03	E		
Metobromuron	3060-89-7		3.30E+02	E	3.00E-06	J	3.10E-09	X	2.71E+02	F		
Monuron	150-68-5		2.30E+02	E	5.00E-07	J	5.68E-10	X	1.83E+02	F	1.33E+02	F
Neburon	555-37-3		4.80E+00	E					3.11E+03	F		
Oxadiazon	19666-30-9		7.00E-01	E	<1.0E-06	J			3.24E+03	E		
Paraquat	4685-14-7		1.00E+06	E					1.55E+04	E	1.00E+00	F
Phenylmercuric Acetate [PHA]	62-38-4		1.67E+03	A								
Picloram	1918-02-1		4.30E+02	E	<6.2E-07	K			2.55E+01	F	2.00E+00	F
Prometryne	7287-19-6		4.80E+01	E	1.00E-06	J	6.62E-09	X	6.14E+02	F		
Propachlor	1918-16-7		5.80E+02	E					2.65E+02	E	5.60E+02	E
Propazine	139-40-2		8.60E+00	E	1.60E-07	K	5.63E-09	X	1.53E+02	F	7.85E+02	E
Silvex [Fenoprop]	93-72-1		1.40E+02	E					2.60E+03	E		
Simazine	122-34-9		3.50E+00	E	3.60E-08	K	2.73E-09	X	1.38E+02	F	8.80E+01	F
Terbacil	5902-51-2		7.10E+02	E					4.12E+01	F	7.80E+01	F
2,4,5-Trichlorophenoxyacetic Acid	93-76-5		2.38E+02	E					8.01E+01	F	4.00E+00	E
Triclopyr	55335-06-3		4.30E+02	E	1.26E-06	J	9.89E-10	X	2.70E+01	E	3.00E+00	E
Trifluralin	1582-09-8		6.00E-01	E	2.00E-04	G	1.47E-04	X	1.37E+04	E	2.20E+05	E
ALIPHATIC COMPOUNDS												
Acetonitrile [Methyl Cyanide]	75-05-8		infinite	A	7.40E+01	A	4.00E-06	A	2.20E+00	B	4.57E-01	A
Acrylonitrile [2-Propenenitrile]	107-13-1	PP	7.94E+04	A	1.00E+02	A	8.84E-05	A	8.50E-01	A	1.78E+00	A
Bis(2-chloroethoxy)methane	111-91-1	HPP	8.10E+04	I	<1.0E-01	I					1.82E+01	I
Bromodichloromethane [Dichlorobromometh]	75-27-4	HPP	4.40E+03	Q	5.00E+01	H	2.40E-03	Q	6.10E+01	Q	7.59E+01	I
Bromomethane [Methyl Bromide]	74-83-9	HPP	1.30E+04	G	1.40E+03	G	1.30E-02	G			1.26E+01	I
1,3-Butadiene	106-99-0		7.35E+02	A	1.84E-03	A	1.78E-01	A	1.20E+02	B	9.77E+01	A
Chloroethane [Ethyl Chloride]	75-00-3	HPP	5.74E+03	C	1.00E+03	C	6.15E-04	X	1.70E+01	C	3.50E+01	C
Chloroethene [Vinyl Chloride]	75-01-4	HPP	2.67E+03	A	2.66E+03	A	8.19E-02	A	5.70E+01	B	2.40E+01	A
Chloromethane [Methyl Chloride]	74-87-3	HPP	6.50E+03	A	4.31E+03	A	4.40E-02	A	3.50E+01	B	9.50E-01	A
Cyanogen [Ethanedinitrile]	460-19-5		2.50E+05	A								
Dibromochloromethane	124-48-1	HPP	4.00E+03	Q	1.50E+01	A	9.90E-04	Q	8.40E+01	Q	1.23E+02	A
Dichlorodifluoromethane [Freon 12]	75-71-8		2.80E+02	A	4.87E+03	A	2.97E+00	X	5.80E+01	A	1.45E+02	A
1,1-Dichloroethane [Ethylidene Chloride]	75-34-3	HPP	5.50E+03	A	1.82E+02	A	4.31E-03	A	3.00E+01	A	6.17E+01	A
1,2-Dichloroethane [Ethylene Dichloride]	107-06-2	HPP	8.52E+03	A	6.40E+01	A	9.78E-04	A	1.40E+01	A	3.02E+01	A
1,1-Dichloroethene [Vinylidene Chloride]	75-35-4	HPP	2.25E+03	A	6.00E+02	A	3.40E-02	A	6.50E+01	A	6.92E+01	A
1,2-Dichloroethene (cis)	540-59-0		3.50E+03	A	2.08E+02	A	7.58E-03	A	4.90E+01	B	5.01E+00	A
1,2-Dichloroethene (trans)	540-59-0	HPP	6.30E+03	A	3.24E+02	A	6.56E-03	A	5.90E+01	A	3.02E+00	A
Dichloromethane [Methylene Chloride]	75-09-2	HPP	2.00E+04	A	3.62E+02	A	2.03E-03	A	8.80E+00	A	2.00E+01	A
Ethylene Dibromide [EDB]	106-93-4		4.30E+03	A	1.17E+01	A	6.73E-04	A	4.40E+01	A	5.75E+01	A
Hexachlorobutadiene	87-68-3	HPP	1.50E-01	A	2.00E+00	A	4.57E+00	A	2.90E+04	A	6.02E+04	A

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Chemical Name	CAS #	EPA	Water Solubility		Vapor Pressure		Henry's Law Constant		Koc		Kow	
			(mg/l)	Ref	(mm Hg)	Ref	(atm-m ³ /mol)	Ref	(ml/g)	Ref		Ref
Hexachlorocyclopentadiene	77-47-4	HPP	2.10E+00	A	8.00E-02	A	1.37E-02	A	4.80E+03	A	1.10E+05	A
Hexachloroethane [Perchloroethane]	67-72-1	HPP	5.00E+01	A	4.00E-01	A	2.49E-03	A	2.00E+04	A	3.98E+04	A
Iodomethane [Methyl Iodide]	77-88-4		1.40E+04	A	4.00E+02	A	5.34E-03	A	2.30E+01	B	4.90E+01	A
Isoprene	78-79-5				4.00E+02	A						
Pentachloroethane [Pentalin]	76-01-7		3.70E+01	C	3.40E+00	C	2.44E-02	X	1.90E+03	D	7.76E+02	C
1,1,1,2-Tetrachloroethane	630-20-6		2.90E+03	A	5.00E+00	A	3.81E-04	A	5.40E+01	B		
1,1,2,2-Tetrachloroethane	79-34-5	HPP	2.90E+03	A	5.00E+00	A	3.81E-04	A	1.18E+02	A	2.45E+02	A
Tetrachloroethene [PERC]	127-18-4	HPP	1.50E+02	A	1.78E+01	A	2.59E-02	A	3.64E+02	A	3.98E+02	A
Tetrachloromethane [Carbon Tetrachloride]	56-23-5	HPP	7.57E+02	A	9.00E+01	A	2.41E-02	A	4.39E+02	Q	4.37E+02	A
Tribromomethane [Bromoform]	75-25-2	HPP	3.01E+03	A	5.00E+00	A	5.52E-04	A	1.16E+02	A	2.51E+02	A
1,1,1-Trichloroethane [Methylchloroform]	71-55-6	HPP	1.50E+03	A	1.23E+02	A	1.44E-02	A	1.52E+02	A	3.16E+02	A
1,1,2-Trichloroethane [Vinyltrichloride]	79-00-5	HPP	4.50E+03	A	3.00E+01	A	1.17E-03	A	5.60E+01	A	2.95E+02	A
Trichloroethene [TCE]	79-01-6	HPP	1.10E+03	A	5.79E+01	A	9.10E-03	A	1.26E+02	A	2.40E+02	A
Trichlorofluoromethane [Freon 11]	75-69-4	PP	1.10E+03	A	6.67E+02	A	1.10E-01	Q	1.59E+02	A	3.39E+02	A
Trichloromethane [Chloroform]	67-66-3	HPP	8.20E+03	A	1.51E+02	A	2.873-03	A	4.70E+01	C	9.33E+01	A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		1.00E+01	A	2.70E+02	A					1.00E+02	A
AROMATIC COMPOUNDS												
1,1-Biphenyl [Diphenyl]	92-52-4		7.50E+00	E	6.00E-02	G	1.50E-03	G			7.54E+03	E
Benzene	71-43-2	HPP	1.75E+03	A	9.52E+01	A	5.59E-03	A	8.30E+01	A	1.32E+02	A
Bromobenzene [Phenyl Bromide]	108-86-1		4.46E+02	E	4.14E+00	O	1.92E-03	X	1.50E+02	P	9.00E+02	E
Chlorobenzene	108-90-7	HPP	4.66E+02	A	1.17E+01	A	3.72E-03	A	3.30E+02	Q	6.92E+02	A
4-Chloro-m-cresol [Chlorocresol]	59-50-7	HPP	3.85E+03	C	5.00E-02	C	2.44E-06	X	4.90E+02	C	9.80E+02	C
2-Chlorophenol [o-Chlorophenol]	95-57-8	HPP	2.90E+04	C	1.80E+00	C	1.05E-05	X	4.00E+02	C	1.45E+02	C
Chlorotoluene [Benzyl Chloride]	100-44-7		3.30E+03	A	1.00E+00	A	5.06E-05	A	5.00E+01	B	4.27E+02	A
m-Chlorotoluene	108-41-8		4.80E+01	D	4.60E+00	C	1.60E-02	X	1.20E+03	D	1.90E+03	C
o-Chlorotoluene	95-49-8		7.20E+01	C	2.70E+00	C	6.25E-03	X	1.60E+03	D	2.60E+03	C
p-Chlorotoluene	106-43-4		4.40E+01	D	4.50E+00	C	1.70E-02	X	1.20E+03	D	2.00E+03	C
Cresol (Technical) [Methylphenol]	1319-77-3		3.10E+04	A	2.40E-01	A	1.10E-06	A	5.00E+02	A	9.33E+01	A
o-Cresol [2-Methylphenol]	95-48-7	HSL	2.50E+04	J	2.43E-01	O	1.50E-06	X			8.91E+01	H
p-Cresol [4-Methylphenol]	106-44-5	HSL			1.14E-01	O					8.51E+01	H
Dibenzofuran		HSL									1.32E+04	H
1,2-Dichlorobenzene [o-Dichlorobenzene]	95-50-1	HPP	1.00E+02	A	1.00E+00	A	1.93E-03	A	1.70E+03	A	3.98E+03	A
1,3-Dichlorobenzene [m-Dichlorobenzene]	541-73-1	HPP	1.23E+02	A	2.28E+00	A	3.59E-03	A	1.70E+03	A	3.98E+03	A
1,4-Dichlorobenzene [p-Dichlorobenzene]	106-46-7	HPP	7.90E+01	A	1.18E+00	A	2.89E-03	A	1.70E+03	A	3.98E+03	A
2,4-Dichlorophenol	120-83-2	HPP	4.60E+03	A	5.90E-02	A	2.75E-06	A	3.80E+02	A	7.94E+02	A
Dichlorotoluene [Benzal Chloride]	98-87-3		2.50E+00	D	3.00E-01	C	2.54E-02	X	9.90E+03	D	1.60E+04	D
Diethylstilbestrol [DES]	56-53-1		9.60E-03	A					2.80E+01	B	2.88E+05	A
2,4-Dimethylphenol [as-m-Xylenol]	1300-71-6	HPP	4.20E+03	C	6.21E-02	H	2.38E-06	X	2.22E+02	C	2.63E+02	C
1,3-Dinitrobenzene	99-65-0		4.70E+02	A					1.50E+02	B	4.17E+01	A

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Table A-1. Water Solubility, Vapor Pressure, Henry's Law Constant, Koc, and Kow Data for Selected Chemicals.

Chemical Name	CAS #	EPA	Water Solubility (mg/L)	Ref	Vapor Pressure (mm Hg)	Ref	Henry's Law Constant (atm-m ³ /mol)	Ref	Koc (ml/g)	Ref	Kow	Ref
4,6-Dinitro-o-cresol	534-52-1	HPP	2.90E+02	A	5.00E-02	A	4.49E-05	A	2.40E+02	A	5.01E+02	A
2,4-Dinitrophenol	51-28-5	HPP	5.60E+03	A	1.49E-05	A	6.45E-10	A	1.66E+01	A	3.16E+01	A
2,3-Dinitrotoluene	602-01-7		3.10E+03	A					5.30E+01	B	1.95E+02	A
2,4-Dinitrotoluene	121-14-2	HPP	2.40E+02	A	5.10E-03	A	5.09E-06	A	4.50E+01	A	1.00E+02	A
2,5-Dinitrotoluene	619-15-8		1.32E+03	A					8.40E+01	B	1.90E+02	A
2,6-Dinitrotoluene	606-20-2	HPP	1.32E+03	A	1.80E-02	A	3.27E-06	A	9.20E+01	A	1.00E+02	A
3,4-Dinitrotoluene	610-39-9		1.08E+03	A					9.40E+01	B	1.95E+02	A
Ethylbenzene [Phenylethane]	100-41-4	HPP	1.52E+02	A	7.00E+00	A	6.43E-03	A	1.10E+03	A	1.41E+03	A
Hexachlorobenzene [Perchlorobenzene]	118-74-1	HPP	6.00E-03	A	1.09E-05	A	6.81E-04	A	3.90E+03	A	1.70E+05	A
Hexachlorophene [Dermadex]	70-30-4		4.00E-03	A					9.10E+04	B	3.47E+07	A
Nitrobenzene	98-95-3	HPP	1.90E+03	A	1.50E-01	A	2.20E-05	G	3.60E+01	A	7.08E+01	A
2-Nitrophenol [o-Nitrophenol]	88-75-5	HPP	2.10E+03	H							5.75E+01	H
4-Nitrophenol [p-Nitrophenol]	100-07-7	HPP	1.60E+04	H							8.13E+01	H
m-Nitrotoluene [Methylnitrobenzene]	99-08-1		4.98E+02	G							2.92E+02	H
Pentachlorobenzene	608-93-5		1.35E-01	A	6.00E-03	C			1.30E+04	B	1.55E+05	A
Pentachloronitrobenzene [Quintozene]	82-68-8		7.11E-02	A	1.13E-04	A	6.18E-04	A	1.90E+04	B	2.82E+05	A
Pentachlorophenol	87-86-5	HPP	1.40E+01	A	1.10E-04	A	2.75E-06	A	5.30E+04	A	1.00E+05	A
Phenol	108-95-2	HPP	9.30E+04	A	3.41E-01	A	4.54E-07	A	1.42E+01	A	2.88E+01	A
Pyridine	110-86-1		1.00E+06	A	2.00E+01	A					4.57E+00	A
Styrene [Ethenylbenzene]	100-42-5	HSL	3.00E+02	R	4.50E+00	R	2.05E-03	X				
1,2,3,4-Tetrachlorobenzene	634-66-2		3.50E+00	C	4.00E-02	C			1.80E+04	D	2.88E+04	C
1,2,3,5-Tetrachlorobenzene			2.40E+00	C	7.00E-02	C			1.78E+04	D	2.88E+04	C
1,2,4,5-Tetrachlorobenzene	95-94-3		6.00E+00	A	5.40E-03	O			1.60E+03	B	4.68E+04	A
2,3,4,6-Tetrachlorophenol	58-90-2		7.00E+00	C	4.60E-03	C			9.80E+01	B	1.26E+04	A
Toluene [Methylbenzene]	108-88-3	HPP	5.35E+02	A	2.81E+01	A	6.37E-03	A	3.00E+02	A	5.37E+02	A
1,2,3-Trichlorobenzene	87-61-6		1.20E+01	C	2.10E-01	C	4.23E-03	X	7.40E+03	D	1.29E+04	C
1,2,4-Trichlorobenzene	120-82-1	HPP	3.00E+01	A	2.90E-01	A	2.31E-03	A	9.20E+03	A	2.00E+04	A
1,3,5-Trichlorobenzene	108-70-3		5.80E+00	C	5.80E-01	C	2.39E-02	X	6.20E+03	D	1.41E+04	C
2,4,5-Trichlorophenol	95-95-4	HSL	1.19E+03	A	1.00E+00	A	2.18E-04	A	8.90E+01	B	5.25E+03	A
2,4,6-Trichlorophenol	88-06-2	HPP	8.00E+02	A	1.20E-02	A	3.90E-06	A	2.00E+03	A	7.41E+03	A
1,2,4-Trimethylbenzene [Pseudocumene]	95-63-6		5.76E+01	G	2.03E+00	O	5.57E-03	X				
Xylene (mixed)	1330-20-7	HSL	1.98E+02	A	1.00E+01	A	7.04E-03	A	2.40E+02	B	1.83E+03	A
m-Xylene [1,3-Dimethylbenzene]	108-38-3		1.30E+02	A	1.00E+01	A	1.07E-02	X	9.82E+02	D	1.82E+03	A
o-Xylene [1,2-Dimethylbenzene]	95-47-6		1.75E+02	A	6.60E+00	G	5.10E-03	G	8.30E+02	D	8.91E+02	A
p-Xylene [1,4-Dimethylbenzene]	106-42-3		1.98E+02	A	1.00E+01	A	7.05E-03	X	8.70E+02	D	1.41E+03	A
POLYAROMATIC HYDROCARBONS												
Acenaphthylene	208-96-8	HPP	3.93E+00	A	2.90E-02	A	1.48E-03	A	2.50E+03	A	5.01E+03	A
Acenaphthene	83-32-9	HPP	3.42E+00	A	1.55E-03	A	9.20E-05	A	4.60E+03	A	1.00E+04	A
Anthracene	120-12-7	HPP	4.50E-02	A	1.95E-04	A	1.02E-03	A	1.40E+04	A	2.82E+04	A

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Table A-1. Water Solubility, Vapor Pressure, Henry's Law Constant, Koc, and Kow Data for Selected Chemicals.

Chemical Name	CAS #	EPA	Water Solubility (mg/l)	Ref	Vapor Pressure (mm Hg)	Ref	Henry's Law Constant (atm-m ³ /mol)	Ref	Koc (ml/g)	Ref	Kow	Ref
Benz(c)acridine	225-51-4		1.40E+01	A					1.00E+03	B	3.63E+04	A
Benzo(a)anthracene	56-55-3	HPP	5.70E-03	A	2.20E-09	A	1.16E-06	A	1.38E+06	A	3.98E+05	A
Benzo(a)pyrene	50-32-8	HPP	1.20E-03	A	5.60E-09	A	1.55E-06	A	5.50E+06	A	1.15E+06	A
Benzo(b)fluoranthene	205-99-2	HPP	1.40E-02	A	5.00E-07	A	1.19E-05	A	5.50E+05	A	1.15E+06	A
Benzo(ghi)perylene	191-24-2	HPP	7.00E-04	A	1.03E-10	A	5.34E-08	A	1.60E+06	A	3.24E+06	A
Benzo(k)fluoranthene	207-08-9	HPP	4.30E-03	A	5.10E-07	A	3.94E-05	A	5.50E+05	A	1.15E+06	A
2-Chloronaphthalene	91-58-7	HPP	6.74E+00	I	1.70E-02	I	4.27E-04	X			1.32E+04	I
Chrysene	218-01-9	HPP	1.80E-03	A	6.30E-09	A	1.05E-06	A	2.00E+05	A	4.07E+05	A
1,2,7,8-Dibenzopyrene	189-55-9		1.01E-01	A					1.20E+03	B	4.17E+06	A
Dibenz(a,h)anthracene	53-70-3	HPP	5.00E-04	A	1.00E-10	A	7.33E-08	A	3.30E+06	A	6.31E+06	A
7,12-Dimethylbenz(a)anthracene	57-97-6		4.40E-03	A					4.76E+05	A	8.71E+06	A
Fluoranthene	206-44-0	HPP	2.06E-01	A	5.00E-06	A	6.46E-06	A	3.80E+04	A	7.94E+04	A
Fluorene [2,3-Benzidene]	86-73-7	HPP	1.69E+00	A	7.10E-04	A	6.42E-05	A	7.30E+03	A	1.58E+04	A
Indene	95-13-6										8.32E+02	H
Indeno(1,2,3-cd)pyrene	193-99-5	HPP	5.30E-04	A	1.00E-10	A	6.86E-08	A	1.60E+06	A	3.16E+06	A
2-Methylnaphthalene	91-57-6	HSL	2.54E+01	E					8.50E+03	E	1.30E+04	E
Naphthalene [Naphthene]	91-20-3	HPP	3.17E+01	G	2.30E-01	G	1.15E-03	G	1.30E+03	C	2.76E+03	C
1-Naphthylamine	134-32-7		2.35E+03	A	6.50E-05	A	5.21E-09	A	6.10E+01	B	1.17E+02	A
2-Naphthylamine	91-59-8		5.86E+02	A	2.56E-04	A	8.23E-08	A	1.30E+02	B	1.17E+02	A
Phenanthrene	85-01-8	HPP	1.00E+00	A	6.80E-04	A	1.59E-04	A	1.40E+04	A	2.88E+04	A
Pyrene	129-00-0	HPP	1.32E-01	A	2.50E-06	A	5.04E-06	A	3.80E+04	A	7.59E+04	A
Tetracene [Naphthacene]	92-24-0		5.00E-04	E					6.50E+05	E	8.00E+05	E
AMINES AND AMIDES												
2-Acetylaminofluorene	53-96-3		6.50E+00	A					1.60E+03	B	1.91E+03	A
Acrylamide [2-Propenamide]	79-06-1		2.05E+06	G	7.00E-03	R	3.19E-10	X				
4-Aminobiphenyl [p-Biphenylamine]	92-67-1		8.42E+02	A	6.00E-05	A	1.59E-08	A	1.07E+02	B	6.03E+02	A
Aniline [Benzenamine]	62-53-3	HSL	3.66E+04	G	3.00E-01	G	1.00E-06	X			7.00E+00	E
Auramine	2465-27-2		2.10E+00	A					2.90E+03	B	1.45E+04	A
Benzidine [p-diaminodiphenyl]	92-87-5	HPP	4.00E+02	A	5.00E-04	A	3.03E-07	A	1.05E+01	A	2.00E+01	A
2,4-Diaminotoluene [Toluenediamine]	95-80-7		4.77E+04	A	3.80E-05	A	1.28E-10	A	1.20E+01	B	2.24E+00	A
3,3'-Dichlorobenzidine	91-94-1	HPP	4.00E+00	A	1.00E-05	A	8.33E-07	A	1.55E+03	A	3.16E+03	A
Diethanolamine	111-42-2		9.54E+05	G							3.72E-02	H
Diethylaniline [Benzenamine]	91-66-7		6.70E+02	E							9.00E+00	E
Diethylnitrosamine [Nitrosodiethylamine]	55-18-5				5.00E+00	A					3.02E+00	A
Dimethylamine	124-40-3		1.00E+06	A	1.52E+03	A	9.02E-05	A	4.35E+02	F	4.17E-01	A
Dimethylaminoazobenzene	60-11-7		1.36E+01	A	3.30E-07	A	7.19E-09	A	1.00E+03	B	5.25E+03	A
Dimethylnitrosamine	62-75-9	HPP	Infinite	A	8.10E+00	A	7.90E-07	A	1.00E-01	A	2.09E-01	A
Diphenylnitrosamine	86-30-6	HPP									3.72E+02	I
Dipropylnitrosamine	621-64-7	PP	9.90E+03	A	4.00E-01	A	6.92E-06	A	1.50E+01	A	3.16E+01	A

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Methylvinylnitrosamine	4549-40-0		7.60E+05	A	1.23E+01	A	1.83E-06	A	2.50E+00	B	5.89E-01	A
m-Nitroaniline [3-Nitroaniline]	99-09-2	HSL	8.90E+02	G							2.34E+01	H
o-Nitroaniline [2-Nitroaniline]	88-74-4	HSL	1.47E+04	T							6.17E+01	H
p-Nitroaniline [4-Nitroaniline]	100-01-6	HSL	7.30E+02	T							2.45E+01	H
N-Nitrosodi-n-propylamine	621-64-7	HSL										
Thioacetamide [Ethanethioamide]	62-55-5		1.63E+05	J							3.47E-01	A
o-Toluidine Hydrochloride	636-21-5	A	1.50E+04	A	1.00E-01	A	9.39E-07	A	2.20E+01	B	1.95E+01	A
o-Toluidine [2-Aminotoluene]	119-93-7	A	7.35E+01	A	<1.0E+00	R			4.10E+02	B	7.58E+02	A
Triethylamine	121-44-8		1.50E+04	G	7.00E+00	G	1.30E+05	G				
ETHERS AND ALCOHOLS												
Allyl Alcohol [Propenol]	107-18-6		5.10E+05	A	2.46E+01	A	3.69E-06	A	3.20E+00	B	6.03E-01	A
Anisole [Methoxybenzene]	100-66-3		1.52E+03	C	2.60E+00	C	2.43E-04	X	2.00E+01	C	1.29E+02	C
Benzyl Alcohol [Benzenemethanol]	100-51-6	HSL	8.00E+02	S	1.10E-01	S	1.95E-05	X			1.26E+01	H
Bis(2-chloroethyl)ether	111-44-4	HPP	1.02E+04	A	7.10E-01	A	1.31E-05	A	1.39E+01	A	3.16E+01	A
Bis(2-chloroisopropyl)ether	108-60-1	HPP	1.70E+03	A	8.50E-01	A	1.13E-04	A	6.10E+01	A	1.26E+02	A
Bis(chloromethyl)ether	542-88-1		2.20E+04	A	3.00E+01	A	2.06E-04	A	1.20E+00	A	2.40E+00	A
4-Bromophenyl Phenyl Ether	101-55-3	HPP			1.50E-03	I					1.91E+04	I
2-Chloroethyl Vinyl Ether	110-75-8	HPP	1.50E+04	H	2.67E+01	H	2.50E-04	Q			1.90E+01	I
Chloromethyl Methyl Ether	107-30-2										1.00E+00	A
4-Chlorophenyl Phenyl Ether	7005-72-3	HPP	3.30E+00	H	2.70E-03	I	2.19E-04	X			1.20E+04	H
Diphenylether [Phenyl Ether]	101-84-8		2.10E+01	R	2.13E-02	S	8.67E-09	X			1.62E+04	H
Ethanol	64-17-5		Infinite	A	7.40E+02	A	4.48E-05	A	2.20E+00	B	4.79E-01	A
PHTHALATES												
Bis(2-ethylhexyl)phthalate	117-81-7	HPP	2.85E-01	C	2.00E-07	C	3.61E-07	X	5.90E+03	D	9.50E+03	C
Butylbenzyl Phthalate	85-68-7	HPP	4.22E+01	G							6.31E+04	H
Di-n-octyl Phthalate	117-84-0	HPP	3.00E+00	H							1.58E+09	I
Dibutyl Phthalate	84-74-2	HPP	1.30E+01	A	1.00E-05	A	2.82E-07	A	1.70E+05	A	3.98E+05	A
Diethyl Phthalate	84-66-2	HPP	8.96E+02	A	3.50E-03	A	1.14E-06	A	1.42E+02	A	3.16E+02	A
Dimethylphthalate	131-11-3	HPP	4.32E+03	H	<1.0E-02	H					1.32E+02	I
KETONES AND ALDEHYDES												
2-Butanone [Methyl Ethyl Ketone]	78-93-3	HSL	2.68E+05	A	7.75E+01	A	2.74E-05	A	4.50E+00	B	1.82E+00	A
2-Hexanone [Methyl Butyl Ketone]	591-78-6	HSL	1.40E+04	R	3.00E+10	R	2.82E-05	R				
4-Methyl-2-Pentanone [Isopropylacetone]	108-10-1	HSL	1.70E+04	S	2.00E+01	R	1.55E-04	X				
Acetone [2-Propanone]	67-64-1	HSL	Infinite	A	2.70E+02	A	2.06E-05	A	2.20E+00	B	5.75E-01	A
Formaldehyde	50-00-0		4.00E+05	A	1.00E+01	A	9.87E-07	A	3.60E+00	B	1.00E+00	A
Glycidaldehyde	765-34-4		1.70E+08	A	1.97E+01	A	1.10E-08	A	1.00E-01	B	2.82E-02	A
Acrylic Acid [2-Propenoic Acid]	79-10-7		Infinite	A	4.00E+00	A					1.35E+00	A

Notes: PP = Priority Pollutant; HSL = Hazardous Substance List Parameter; HPP = PP and HSL Parameters. Additional notes and data references are provided at end of this table.

Table A-1. Water Solubility, Vapor Pressure, Henry's Law Constant, Koc, and Kow Data for Selected Chemicals.

Chemical Name	CAS #	EPA	Water Solubility (mg/l)	Ref	Vapor Pressure (mm Hg)	Ref	Henry's Law Constant (atm-m ³ /mol)	Ref	Koc (ml/g)	Ref	Kow	Ref
CARBOXYLIC ACIDS AND ESTERS												
Azaserine	115-02-6		1.36E+05	A					6.60E+00	B	8.32E-02	A
Benzolic Acid	65-85-0	HSL	2.70E+03	G							7.41E+01	H
Dimethyl Sulfate [DMS]	77-78-1		3.24E+05	A	6.80E-01	A	3.48E-07	A	4.10E+00	B	5.75E-02	A
Ethyl Methanesulfonate [EHS]	62-50-0		3.69E+05	A	2.06E-01	A	9.12E-08	A	3.80E+00	B	1.62E+00	A
Formic Acid	64-18-6		1.00E+06	A	4.00E+01	A					2.88E-01	A
Lasiocarpine	303-34-4		1.60E+03	A					7.60E+01	B	9.77E+00	A
Methyl Methacrylate	80-62-6		2.00E+01	A	3.70E+01	A	2.43E-01	A	8.40E+02	B	6.17E+00	A
Vinyl Acetate	108-05-4	HSL	2.00E+04	J								
PCBs												
Aroclor 1016	12674-11-2	HPP	4.20E-01	H	4.00E-04	I					2.40E+04	H
Aroclor 1221	11104-28-2	HPP	1.50E+01	I	6.70E-03	I					1.23E+04	H
Aroclor 1232	11141-16-5	HPP	1.45E+00	I	4.06E-03	I					1.58E+03	I
Aroclor 1242	53469-21-9	HPP	2.40E-01	G	4.10E-04	G	5.60E-04	G			1.29E+04	I
Aroclor 1248	12672-29-6	HPP	5.40E-02	G	4.90E-04	G	3.50E-03	G			5.62E+05	I
Aroclor 1254	11097-69-1	HPP	1.20E-02	G	7.70E-05	G	2.70E-03	G	4.25E+04	E	1.07E+06	I
Aroclor 1260	11096-82-5	HPP	2.70E-03	G	4.10E-05	G	7.10E-03	G			1.38E+07	I
Polychlorinated Biphenyls [PCBs]	1336-36-3	HPP	3.10E-02	A	7.70E-05	A	1.07E-03	A	5.30E+05	A	1.10E+06	A
HETEROCYCLIC COMPOUNDS												
Dihydrosafrole	94-58-6		1.50E+03	A					7.80E+01	B	3.63E+02	A
1,4-Dioxane [1,4-Diethylene Dioxide]	123-91-1		4.31E+05	A	3.99E+01	A	1.07E-05	A	3.50E+00	B	1.02E+00	A
Epichlorohydrin	106-89-8		6.00E+04	A	1.57E+01	A	3.19E-05	A	1.00E+01	B	1.41E+00	A
Isosafrole	120-58-1		1.09E+03	A	1.60E-08	A	3.25E-12	A	9.30E+01	B	4.57E+02	A
N-Nitrosopiperidine	100-75-4		1.90E+06	A	1.40E-01	A	1.11E-08	A	1.50E+00	B	3.24E-01	A
N-Nitrosopyrrolidine	930-55-2		7.00E+06	A	1.10E-01	A	2.07E-09	A	8.00E-01	B	8.71E-02	A
Safrole	94-59-7		1.50E+03	A	9.10E-04	A	1.29E-07	A	7.80E+01	B	3.39E+02	A
Uracil Mustard	66-75-1		6.41E+02	A					1.20E+02	B	8.13E-02	A
HYDRAZINES												
1,2-Diethylhydrazine	1615-80-1		2.88E+07	A					3.00E-01	B	2.09E-02	A
1,1-Dimethylhydrazine	57-14-4		1.24E+08	A	1.57E+02	A	1.00E-07	A	2.00E-01	B	3.80E-03	A
1,2-Diphenylhydrazine [Hydrazobenzene]	122-66-7	PP	1.84E+03	A	2.60E-05	A	3.42E-09	A	4.18E+02	A	7.94E+02	A
Hydrazine	302-01-1		3.41E+08	A	1.40E+01	A	1.73E-09	A	1.00E-01	B	8.32E-04	A
MISCELLANEOUS ORGANIC COMPOUNDS												
Aziridine [Ethylenimine]	151-56-4		2.66E+06	A	2.55E+02	A	5.43E-06	A	1.30E+00	B	9.77E-02	A
Carbon Disulfide	75-15-0	HSL	2.94E+03	A	3.60E+02	A	1.23E-02	A	5.40E+01	B	1.00E+02	A

Notes: PP = Priority Pollutant; HSL = Hazardous Substance List Parameter; HPP = PP and HSL Parameters. Additional notes and data references are provided at end of this table.

Table A-1. Water Solubility, Vapor Pressure, Henry's Law Constant, Koc, and Kow Data for Selected Chemicals.

Chemical Name	CAS #	EPA	Water Solubility (mg/l)	Ref	Vapor Pressure (mm Hg)	Ref	Henry's Law Constant (atm-m ³ /mol)	Ref	Koc (ml/g)	Ref	Kow	Ref
Diethyl Arsine	692-42-2		4.17E+02	A	3.50E+01	A	1.48E-02	A	1.60E+02	B	9.33E+02	A
Dimethylcarbamoyl Chloride	79-44-7		1.44E+07	A	1.95E+00	A	1.92E-08	A	5.00E-01	B	4.79E-02	A
Mercury and Compounds (Alkyl)	7439-97-6	PP										
Methylnitrosourea	684-93-5		6.89E+08	A					1.00E-01	B	1.54E-04	A
Mustard Gas [bis(2-chloroethyl)sulfide]	505-60-2		8.00E+02	A	1.70E-01	A	4.45E-05	A	1.10E+02	B	2.34E+01	A
Phenobarbital	50-06-6		1.00E+03	A					9.80E+01	B	6.46E-01	A
Propylenimine	75-55-8		9.44E+05	A	1.41E+02	A	1.12E-05	A	2.30E+00	B	3.31E-01	A
Tetraethyl Lead	78-00-2		8.00E-01	A	1.50E-01	A	7.97E-02	A	4.90E+03	B		
Thiourea [Thiocarbamide]	62-56-6		1.72E+06	A					1.60E+00	B	8.91E-03	A
Tris-BP [2,3-Dibromopropanol phosphate]	126-72-7		1.20E+02	A					3.10E+02	B	1.32E+04	A
INORGANICS												
Ammonia	7664-41-7		5.30E+05	A	7.60E+03	A	3.21E-04	A	3.10E+00	B	1.00E+00	A
Antimony and Compounds	7440-36-0	PP			1.00E+00	A						
Arsenic and Compounds	7440-38-2	PP			0.00E+00	A						
Barium and Compounds	7440-39-3											
Beryllium and Compounds	7440-41-7	PP			0.00E+00	A						
Cadmium and Compounds	7740-43-9	PP			0.00E+00	A						
Chromium III and Compounds	7440-47-3	PP			0.00E+00	A						
Chromium VI and Compounds	7440-47-3	PP			0.00E+00	A						
Copper and Compounds	7440-50-8	PP			0.00E+00	A						
Cyanogen Chloride	506-77-4		2.50E+03	A	1.00E+03	A	3.24E-02	X			1.00E+00	A
Hydrogen Cyanide	74-90-8		infinite	A	6.20E+02	A					5.62E-01	A
Hydrogen Sulfide	7783-06-4		4.13E+03	A	1.52E+04	R	1.65E-01	R				
Lead and Compounds	7439-92-1	PP			0.00E+00	A						
Mercury and Compounds (Inorganic)	7439-97-6	PP	3.00E-02	G	2.00E-03	A	1.10E-02	G				
Nickel and Compounds	7440-02-0	PP			0.00E+00	A						
Potassium Cyanide	151-50-8		5.00E+05	A								
Selenium and Compounds	7782-49-2	PP			0.00E+00	A						
Silver and Compounds	7440-22-4	PP			0.00E+00	A						
Sodium Cyanide	143-33-9		8.20E+05	A								
Thallium Chloride	7791-12-0	PP	2.90E+03	A	0.00E+00	A						
Thallium Sulfate	7446-18-6	PP	2.00E+02	A	0.00E+00	A						
Thallium and Compounds	7440-28-0	PP			0.00E+00	A						
Zinc and Compounds	7440-66-6	PP			0.00E+00	A						

Notes: PP = Priority Pollutant; HSL = Hazardous Substance List Parameter; HPP = PP and HSL Parameters. Additional notes and data references are provided at end of this table.

DOCUMENTATION NUMBER 7

THE SOIL CHEMISTRY OF HAZARDOUS MATERIALS

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TABLE 4.2 Ranges for K_d s for Various Elements in Soils and Clays² (Reprinted with permission from the American Society of Agronomy, Inc., Crop Science Society of America, Inc., and the Soil Science Society of America, Inc.)

<i>Element</i>	<i>Observed Range (ml/g)</i>	<i>Mean^a</i>	<i>Standard Deviation^b</i>
Ag	10 - 1,000	4.7	1.3
Am	1.0 - 47,230	6.7	3.0
As(III)	1.0 - 8.3	1.2	0.6
As(V)	1.9 - 18	1.9	0.5
Ca	1.2 - 9.8	1.4	0.8
Cd	1.3 - 27	1.9	0.9
Ce	58 - 6,000	7.0	1.3
Cm	93 - 51,900	8.1	1.9
Co	0.2 - 3,800	4.0	2.3
Cr(III)	470 - 150,000	7.7	1.2
Cr(VI)	1.2 - 1,800	3.6	2.2
Cs	10 - 52,000	7.0	1.9
Cu	1.4 - 333	3.1	1.1
Fe	1.4 - 1,000	4.0	1.7
K	2.0 - 9.0	1.7	0.5
Mg	1.6 - 13.5	1.7	0.5
Mn	0.2 - 10,000	5.0	2.7
Mo	0.4 - 400	3.0	2.1
Np	0.2 - 929	2.4	2.3
Pb	4.5 - 7,640	4.6	1.7
Po	196 - 1,063	6.3	0.7
Pu	11 - 300,000	7.5	2.3
Ru	48 - 1,000	6.4	1.0
Se(IV)	1.2 - 8.6	1.0	0.7
Sr	0.2 - 3,300	3.3	2.0
Tc	0.003 - 0.28	3.4	1.1
Th	2,000 - 510,000	11.0	1.5
U	11 - 4,400	3.8	1.3
Zn	0.1 - 8,000	2.8	1.9

^a Mean of the logarithms of the observed values.

^b Standard deviation of the logarithms of the observed values.

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EPA
August 1990

A SUBTITLE D LANDFILL APPLICATION MANUAL
FOR THE MULTIMEDIA EXPOSURE
ASSESSMENT MODEL (MULTIMED)

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SECTION 6

PARAMETER ESTIMATION

This section is intended to provide guidance for estimating parameters required by MULTIMED for Subtitle D land disposal facility applications. It is not intended in any way to be used as a substitute for data collection. Reported values are presented to demonstrate appropriate ranges of values for particular parameters. For easy reference, the parameters are grouped according to the model data group with which they are associated.

The most accurate model results will be obtained from simulations which are based on site-specific data collection. In some cases, however, it is not feasible to measure certain parameters, and satisfactory results have been obtained using estimated values. The code contains the option to internally derive some parameters based on other input parameters. It is recommended that this option be used with caution and only when values from measurements at the site are not available. The parameters that can be derived are identified in this section. The methods used in the code to calculate the derived parameters are summarized briefly in this section, and are discussed in more detail in the MULTIMED model theory documentation (Salhotra et al., 1990).

There are many sources of uncertainty in the prediction of contaminant migration in the subsurface. Utilizing the Monte Carlo option in the model is a method to determine the effect of uncertainty in the model input on the model results. In this option, a parameter is assigned a distribution and its value is then randomly generated. It is often difficult to determine the cumulative probability distribution for a given parameter. These distributions must be determined from a large amount of data, which may not be available. Assuming a parameter probability distribution when the distribution is unknown does not help reduce uncertainty as the certainty of the output is then a function of the assumed certainty of the input parameter (U.S. EPA, 1988).

Some guidance on determining an appropriate probability density distribution for specific parameters is provided in this section. When possible, tables of descriptive statistics are also given. This information can be ignored if the model is run in a deterministic framework. General information related to the probability distributions and help in determining the number of Monte Carlo runs needed is provided in Section 9 of the MULTIMED model theory documentation (Salhotra et al., 1990).

6.1 CHEMICAL-SPECIFIC PARAMETERS

6.1.1 Overall Chemical Decay Coefficient (Saturated Zone) [1/yr]

This parameter can be derived by the code, which computes it by summing the solid and liquid phase decay coefficients for the saturated zone. Note that the overall chemical decay coefficient does not include biological decay; the biodegradation coefficient must be specified separately. If the value for the overall chemical decay coefficient is specified by the user as a constant or a distribution, the solid and dissolved phase decay coefficients are not needed. In general, the overall decay coefficient for the saturated zone will be smaller in value than for the unsaturated zone.

6.1.2 Solid-Phase and Liquid-Phase Decay Coefficients (Saturated Zone) [1/yr]

These decay coefficients represent the hydrolysis rate constants for the saturated zone. They do not include biological decay, which is discussed in Section 6.1.7. Hydrolysis is a potentially significant elimination pathway for many organic chemicals (Lyman et al., 1982). For compounds which are easily biodegraded, however, hydrolysis may be insignificant relative to biodegradation (see Section 6.1.7). The hydrolysis of organic chemicals can be described as a first-order rate process with respect to the concentration of the organic species (Faust and Goma, 1972; Wolfe et al., 1977; 1978) and is dependent on temperature, pH, adsorption, and the presence of organic solvents. Methods for estimating the rate constant for the hydrolysis process are presented in Lyman et al. (1982).

The solid-phase and liquid-phase hydrolysis rate constants can be derived in the code, using input for the acid, base, and neutral hydrolysis rate constants, the reference temperature, and the temperature and pH of the aquifer. The method used by the code to derive these parameters is discussed in Section 5.5.2.1 of the MULTIMED model theory documentation (Salhotra et al., 1990). The use of acid, base, and neutral hydrolysis rates takes into account the strong pH dependence of this process.

If the values of both the solid and dissolved phase decay coefficients are specified by the user, then the saturated transp. module does not use the values of the acid, base, and neutral hydrolysis rate constants. They are needed, however, if unsaturated transport and/or surface water transport are also being simulated.

6.1.3 The Acid-Catalyzed and Base-Catalyzed Hydrolysis Rates [1/M-yr] and the Neutral Hydrolysis Rate [1/yr]

These three parameters are used in the code to calculate the overall chemical decay coefficient for the unsaturated, saturated, and surface water modules. The use of these parameters in the unsaturated and saturated transport modules is described in Section 5.5.2.1 of Salhotra et al. (1990). For the surface water module, refer to Section 6.2.1 of the same document. Values of these hydrolysis rate constants are available in a large number of references, including Lyman et al. (1982), Mabey et al. (1982), and Mills et al. (1985a).

 Parameter Estimation

6.1.4 Reference Temperature [°C]

The reference temperature is the temperature at which $K_{a,b}^T$ and K_n^{Tr} were calculated and is normally provided along with the hydrolysis rate constant data.

6.1.5 Distribution Coefficient (Saturated Zone) [ml/g]

Sorption refers to the accumulation of a chemical in the boundary region of a solid-liquid interface (Mills et al., 1985a). Because sorption retards chemical transport in the subsurface, the fate of a chemical is highly dependent on its sorptive characteristics (i.e., the distribution between the sorbed and dissolved phases). MULTIMED assumes that a linear equation can describe the relationship between the equilibrium concentrations of the dissolved and adsorbed phases. The linear relationship requires knowledge of the chemical distribution coefficient, K_d . A number of studies have developed empirical relationships for the partition coefficient. The relationship most suited for relating the chemical distribution coefficient to soil or porous medium properties is discussed in detail by Karickhoff (1984).

In the absence of a user-supplied value, the chemical distribution coefficient for the saturated zone, K_d , can be derived by the code. Hydrophobic binding is assumed to dominate the sorption process and thus, the distribution coefficient is related directly to soil organic carbon content using:

$$K_d = K_{oc} f_{oc} \quad (6.1)$$

where

K_{oc} - normalized distribution coefficient for organic carbon [ml/g]
 f_{oc} - organic carbon content in the saturated zone [dimensionless fraction]

The estimation of the normalized distribution coefficient for organic carbon is discussed below.

6.1.6 Normalized Organic Carbon Distribution Coefficient [ml/g]

The normalized organic carbon distribution coefficient, K_{oc} , is used in the code to calculate the chemical distribution coefficient in the unsaturated transport and the surface water modules. It is also used in the saturated transport module when the user chooses to derive the chemical distribution coefficient. There are many published lists of values for K_{oc} . Data are available primarily for pesticides and, to a lesser degree, aromatic and polycyclic aromatic compounds. Lyman et al. (1982) recommend ten different references which contain values of K_{oc} .

If data on K_{oc} are not available for a particular chemical, a value can be estimated from empirical relationships between K_{oc} and some other property of the chemical such as the water solubility, S , the octanol-water partition coefficient, K_{ow} , or the bioconcentration factor for aquatic life, BCF. Lyman et al. (1982) tabulate 12 such regression equations obtained from data sets of

different classes of chemicals, and present guidelines for selecting an accurate and applicable equation for a particular chemical. Values for the octanol-water partition coefficient and solubility of priority pollutants are available in many references, including Mabey et al. (1982) and Mills et al. (1985a).

6.1.7 Biodegradation Coefficient (Saturated Zone) [1/yr]

Biodegradation, along with hydrolysis, is one of the decay pathways considered by MULTIMED. For many contaminants, biodegradation is the most significant means of removal from the subsurface environment. However, the biodegradation of chemicals in the environment is complex, depending on a number of variable and/or unknown factors, such as the number of microorganisms present, the availability of oxygen and other nutrients, and the pH and temperature of the system.

A first-order kinetic relationship is normally used to represent biodegradation in the natural environment. It is difficult to estimate the biodegradation coefficient needed in this relationship. Although attempts have been made to correlate the biodegradability of a compound with its molecular characteristics, such as solubility, these generalizations are applicable only to the specific chemicals investigated, and are not recommended estimation techniques for other chemicals (Lyman et al., 1982). A significant amount of work is needed to validate the extension of these techniques to other chemicals and conditions.

A compilation of laboratory-derived biodegradation rate constants reported in the literature, along with the test conditions when available, is presented in Lyman et al. (1982). The tables include rate constants for several organic compounds in both aqueous environments and soils. However, since these constants were determined under laboratory conditions, they may be inapplicable to a field situation. Additional data are available in Mills et al. (1985a) and Mabey et al. (1982). Care should be taken in extrapolating the results shown in any of these tables to actual environmental situations.

6.2 SOURCE-SPECIFIC PARAMETERS

6.2.1 Recharge Rate [m/yr]

The recharge rate in this model is the net amount of water that percolates directly into the aquifer system outside of the land disposal facility. The recharge is assumed to have no contamination and hence dilutes the groundwater contaminant plume. The recharge rate into the plume can be calculated in a variety of ways. One possibility is to use a model, such as HELP (Hydrologic Evaluation of Landfill Performance) (Schroeder et al., 1984), without any engineering controls (leachate collection system or a liner) to simulate the water balance for natural conditions. Results of such an analysis have been presented by E.C. Jordan Co. (1985, 1987).

6.2.2 Infiltration Rate [m/yr]

The infiltration rate is the net amount of leachate that percolates into the aquifer system from a land disposal facility. Because of the use of engineering controls and the presence of non-native porous materials in the landfill

Parameter Estimation

facility, the infiltration rate will typically be different than the recharge rate. However, it can be estimated by similar methods as those discussed for estimation of the recharge rate.

6.2.3 Area of Waste Disposal Unit [m²]

The area of the waste disposal unit will vary significantly from site to site. The area should be directly measured and input by the user.

6.2.4 Length Scale of Facility [m]

The length of the waste disposal facility should be measured at the site. However, this parameter can be derived by the code. The derivation is based on the assumption that the waste disposal facility has a square shape. Therefore, the code takes the square root of the area:

$$L = (A_w)^{1/2} \quad (6.2)$$

6.2.5 Width Scale of Facility [m]

The width of the waste disposal facility should be measured at the site. However, as was true for the length scale of the facility (Section 6.2.4), this parameter can be derived by the code, which calculates the width of the facility as the square root of the area.

6.2.6 Initial Concentration at Waste Disposal Facility [mg/l]

When possible, site-specific data should be used. However, the user should bear in mind that concentrations are quite variable over time and thus, a limited set of data may not be representative of conditions at the facility. If data are not available, a conservative approximation would be the solubility of the contaminant in water.

When using the model for the design of Subtitle D facilities, a value of 100 times the Drinking Water Standard can be used (see Section 5.2.4). If the concentration at the well (i.e., point of compliance) is at or below the Drinking Water Standard, the design may prove acceptable. Since the model response is linear with this parameter, it is convenient to use 1.0 mg/l as the initial concentration and to calculate a dilution-attenuation factor (DAF) as discussed in Section 5.4.2.

6.2.7 Source Decay Constant [1/yr]

The source decay constant is used for simulation of an exponentially decreasing (in time) boundary condition (see Section 5.2 of Salhotra et al., 1990). However, the source is assumed to be constant in Subtitle D applications of MULTIMED. Therefore, for Subtitle D applications the preprocessor sets a default value of 0 for the source decay rate.

6.2.8 Duration of Pulse [yr]

The duration of the contaminant pulse is not required in steady-state applications of MULTIMED. Therefore, this parameter does not need to be estimated for Subtitle D applications, which must be steady-state.

6.2.9 Spread of Contaminant Source [m]

The standard deviation of the gaussian source is a measure of the spread of the source. It can be estimated or derived by the code as:

$$\sigma = W/6 \quad (6.3)$$

where

W - the width scale of the facility--i.e., the dimension of the facility orthogonal to the groundwater flow direction [m]

Dividing by 6 implies that 99.86 percent of the gaussian source spread is within the facility.

6.3 UNSATURATED FLOW PARAMETERS

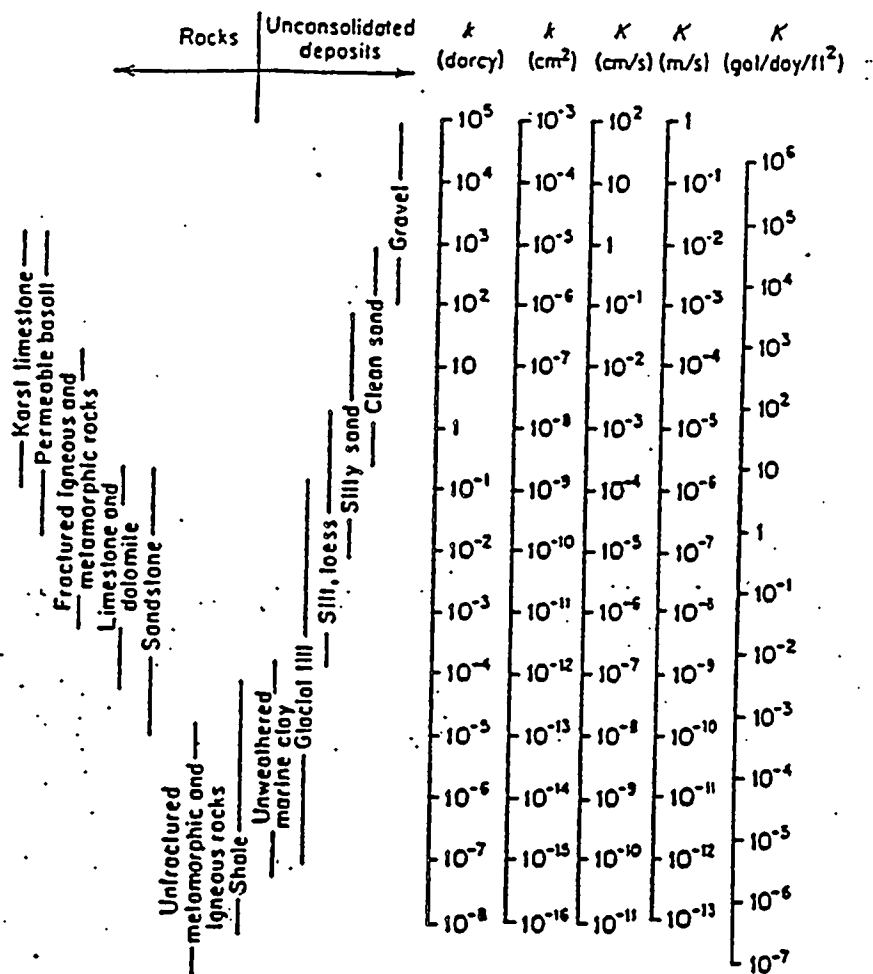
6.3.1 Saturated Hydraulic Conductivity [cm/hr]

Hydraulic conductivity expresses the ease with which a fluid can be transported through a porous medium and is a function of properties of both the porous medium and the fluid (Mills et al., 1985b). Note that for some materials, such as alluvium, the vertical hydraulic conductivity is significantly smaller than the horizontal hydraulic conductivity. Mills et al. (1985b) state that the ratio of horizontal to vertical conductivity is from 2 to 10 for alluvium and glacial outwash and from 1.5 to 3 for sandstone. In the unsaturated zone module, flow is one-dimensional in the vertical direction, so the vertical hydraulic conductivity should be input. Note that in the saturated zone, the horizontal hydraulic conductivity is required.

One of the most widely-used tables of hydraulic conductivity values is presented in Table 6-1. Note that the use of the values in this table will require a conversion to the units of cm/hr. In addition, descriptive statistics for a variety of soil types are given in Table 6-2. The values for the coefficients of variation in column three are determined from many soils nationwide which fall into each texture group. The coefficient of variation for a single soil is likely to be lower.

The lognormal distribution is likely to be an appropriate probability density function for saturated hydraulic conductivity (Dean et al., 1989).

TABLE 6-1. RANGE OF HYDRAULIC CONDUCTIVITY VALUES FOR VARIOUS GEOLOGIC MATERIALS (Freeze and Cherry, 1979)



Conversion Factors for Permeability and Hydraulic Conductivity Units

	Permeability, <i>k</i> ^a			Hydraulic conductivity, <i>K</i>		
	cm ²	ft ²	darcy	m/s	ft/s	U.S. gal/day/ft ²
cm ²	1	1.08 × 10 ⁻³	1.01 × 10 ⁸	9.80 × 10 ²	3.22 × 10 ³	1.85 × 10 ⁹
ft ²	9.29 × 10 ²	1	9.42 × 10 ¹⁰	9.11 × 10 ⁵	2.99 × 10 ⁶	1.71 × 10 ¹²
darcy	9.87 × 10 ⁻⁹	1.06 × 10 ⁻¹¹	1	9.66 × 10 ⁻⁶	3.17 × 10 ⁻³	1.82 × 10 ¹
m/s	1.02 × 10 ⁻³	1.10 × 10 ⁻⁶	1.04 × 10 ³	1	3.28	2.12 × 10 ⁶
ft/s	3.11 × 10 ⁻⁴	3.35 × 10 ⁻⁷	3.15 × 10 ⁴	3.05 × 10 ⁻¹	1	6.46 × 10 ³
U.S. gal/day/ft ²	5.42 × 10 ⁻¹⁰	5.83 × 10 ⁻¹³	5.49 × 10 ⁻²	4.72 × 10 ⁻⁷	1.55 × 10 ⁻⁶	1

^aTo obtain *k* in ft², multiply *k* in cm² by 1.08 × 10⁻³.

TABLE 6-2. DESCRIPTIVE STATISTICS FOR SATURATED HYDRAULIC CONDUCTIVITY
(cm hr⁻¹)

Soil Type	\bar{x}	Hydraulic Conductivity (K_s) [*]		
		s	CV	n
Clay**	0.20	0.42	210.3	114
Clay Loam	0.26	0.70	267.2	345
Loam	1.04	1.82	174.6	735
Loamy Sand	14.59	11.36	77.9	315
Silt	0.25	0.33	129.9	88
Silt Loam	0.45	1.23	275.1	1093
Silty Clay	0.02	0.11	453.3	126
Silty Clay Loam	0.07	0.19	288.7	592
Sand	29.70	15.60	52.4	246
Sandy Clay	0.12	0.28	234.1	46
Sandy Clay Loam	1.31	2.74	208.6	214
Sandy Loam	4.42	5.63	127.0	1183

* n = Sample size, \bar{x} = Mean, s = Standard deviation, CV = Coefficient of variation (percent)

** Agricultural soil, less than 60 percent clay

Sources: From Dean et al. (1989),
Original reference Carsel and Parrish (1988).

6.3.2 Unsaturated Zone Porosity [--]

Porosity is a measure of the relative volume of void space in a rock or soil. Porosity is dimensionless and is expressed as a fraction or a percentage. The total porosity of a rock or soil is comprised of primary porosity, which is due to the shape, sorting and packing of the grains in the matrix, and secondary porosity, which is due to phenomena such as cracks and fractures.

MULTIMED requires the effective porosity of the rock or soil as input. The effective porosity is that part of the total porosity which is effective at transmitting water. The effective porosity is typically lower than the total porosity, due to the presence of pores which are not interconnected or the presence of an immobile water film bound to soil grains. In general, laboratory measurements obtain values for total porosity, since effective porosity is difficult to measure directly.

Typical total porosity values for a variety of geologic materials are presented in Table 6-3. Jury (1985) states that a normal distribution is an appropriate probability density function for effective porosity.

6.3.3 Air Entry Pressure Head [m]

The air entry pressure head is the threshold at which air starts to penetrate saturated soil. It is typically a very small negative value for fine-grained materials or zero for coarser soils. Its value can be estimated from the water retention curves of specific soils (Freeze and Cherry, 1979).

6.3.4 Number of Layers, Thickness of Layers [m]

The unsaturated zone extends from the land surface or the bottom of a waste disposal facility to the top of the water table. This distance will vary significantly from site to site. An estimate of this depth can be determined from water level measurements in the area of the site.

TABLE 6-3. TOTAL POROSITY OF VARIOUS MATERIALS

Material	No. of Analyses	Range	Arithmetic Mean
Igneous Rocks			
Weathered granite	8	0.34-0.57	0.45
Weathered gabbro	4	0.42-0.45	0.43
Basalt	94	0.03-0.35	0.17
Sedimentary Materials			
Sandstone	65	0.14-0.49	0.34
Siltstone	7	0.21-0.41	0.35
Sand (fine)	243	0.26-0.53	0.43
Sand (coarse)	26	0.31-0.46	0.39
Gravel (fine)	38	0.25-0.38	0.34
Gravel (coarse)	15	0.24-0.36	0.28
Silt	281	0.34-0.61	0.46
Clay	74	0.34-0.57	0.42
Limestone	74	0.07-0.56	0.30
Metamorphic Rocks			
Schist	18	0.04-0.49	0.38

Sources: From Mercer et al. (1982),
McWhorter and Sunada (1977),
Original reference Morris and Johnson, (1967)..

In MULTIMED, the unsaturated zone can be modeled with up to 20 layers which have distinct physical characteristics. Information about the layers, which should be relatively homogeneous and distinguishable from adjacent layers, must be determined on a site-specific basis. Note that more than one layer can be assigned the same material properties. When one homogeneous layer is modeled, the layer thickness is equal to the depth of the unsaturated zone and the depth of the unsaturated zone can have a Monte Carlo distribution assigned to it. Refer to Section 6.4.1 for more information.

6.3.5 Residual Water Content [--]

The residual water content is that amount of the total water content which can not be removed from the soil, even under large suction pressure, because it adheres to the soil grains. Descriptive statistics for residual water content for a variety of types of soils are presented in Table 6-4. In addition, the residual water content for a large number of soils can be estimated using the interactive computer program, DBAPE, which is a soils data base analyzer and parameter estimator (Imhoff et al., 1990). DBAPE is available from the U.S. EPA Center for Environmental Assessment Modeling (CEAM) at the Environmental Research Laboratory in Athens, Georgia.

6.3.6 Brooks and Corey Exponent [--]

The Brooks and Corey exponent, n , is an empirical parameter used in an equation which describes the relationship between relative permeability and water saturation (see Section 3.2 of the MULTIMED model theory documentation (Salhotra et al., 1990)). The exponent can be determined from experimental data for a soil's capillary pressure-desaturation curve. Brooks and Corey (1966) present experimental results for several porous media. The porous media investigated by the authors had values of n ranging from 3.27 for glass beads to 4.11 for a silt loam. Soils composed of single-grained material with no secondary porosity (e.g., sands) tend to have smaller exponent values. Soils with structure or secondary porosity have larger exponent values.

In MULTIMED, the relationship between relative permeability and water saturation may be described using either the Brooks and Corey (1966) or the van Genuchten (1976) relationship (see Section 3 of Salhotra et al. (1990)). The Brooks and Corey exponent is not required when the use of the van Genuchten relationship is specified in the input. However, both the Brooks and Corey exponent and the van Genuchten parameters are required when the use of the Brooks and Corey relationship is specified.

6.3.7 Van Genuchten Parameters, α [1/cm]; β [--]

In the code, the relationship between relative permeability and water saturation may be described using either the Brooks and Corey (1966) or the van Genuchten (1976) relationship. However, the pressure head versus water saturation relationship is described using van Genuchten parameters (see Section 3 of the MULTIMED model theory documentation (Salhotra et al., 1990)). Therefore, the van Genuchten parameters must be input to simulate unsaturated flow in the code. Descriptive statistics for these empirical parameters have been reported by Carsel and Parrish (1988) for a variety of soil types (see Table 6-5).

 Parameter Estimation

 TABLE 6-4. DESCRIPTIVE STATISTICS FOR SATURATION WATER CONTENT (θ_s)
 AND RESIDUAL WATER CONTENT (θ_r)

Soil Type	Saturation Water Content (θ_s)				Residual Water Content (θ_r)			
	\bar{x}	s	CV	n	\bar{x}	s	CV	n
Clay**	0.38	0.09	24.1	400	0.068	0.034	49.9	353
Clay Loam	0.41	0.09	22.4	364	0.095	0.010	10.1	363
Loam	0.43	0.10	22.1	735	0.078	0.013	16.5	735
Loamy Sand	0.41	0.09	21.6	315	0.057	0.015	25.7	315
Silt	0.46	0.11	17.4	82	0.034	0.010	29.8	82
Silt Loam	0.45	0.08	18.7	1093	0.067	0.015	21.6	1093
Silty Clay	0.36	0.07	19.6	374	0.070	0.023	33.5	371
Silty Clay Loam	0.43	0.07	17.2	641	0.089	0.009	10.6	641
Sand	0.43	0.06	15.1	246	0.045	0.010	22.3	246
Sandy Clay	0.38	0.05	13.7	46	0.100	0.013	12.9	46
Sandy Clay Loam	0.39	0.07	17.5	214	0.100	0.006	6.0	214
Sandy Loam	0.41	0.09	21.0	1183	0.065	0.017	26.6	1183

* n - Sample size, \bar{x} - Mean, s - standard deviation, CV - coefficient of variation (percent)

** Agricultural soil, less than 60 percent clay.

Source: Dean et al. (1989)

Original source Carsel and Parrish (1988)

6.4 UNSATURATED TRANSPORT PARAMETERS

6.4.1 Number of Layers, Thickness of Layers

The number of layers specified for transport in the unsaturated zone will depend on the specific conditions present at the site. Layers should represent zones that are relatively homogeneous with regard to the properties affecting transport and that can be distinguished from adjacent layers by changes in these properties. Note that the number and thickness of layers specified in the transport module need not correspond to the number and thickness of layers in the unsaturated flow module (see Section 6.3.4). However, the sum of the individual layer thicknesses in the two modules must equal each other (i.e., the total depth of the unsaturated zone must agree in the two modules). If the depth of the unsaturated zone is assigned a Monte Carlo distribution in the unsaturated flow module, then only one unsaturated transport layer is allowed.

Table 6-5. DESCRIPTIVE STATISTICS FOR VAN GENUCHTEN WATER RETENTION MODEL PARAMETERS, α , β , and γ (Carsel and Parrish 1988)

Soil Type	Parameter α , cm^{-1}				Parameter β				Parameter γ			
	\bar{X}	SD	CV	N	\bar{X}	SD	CV	N	\bar{X}	SD	CV	N
Clay ^a	0.008	0.012	160.3	400	1.09	0.09	7.9	400	0.08	0.07	82.7	400
Clay Loam	0.019	0.015	77.9	363	1.31	0.09	7.2	364	0.24	0.06	23.5	364
Loam	0.036	0.021	57.1	735	1.56	0.11	7.3	735	0.36	0.05	13.5	735
Loamy Sand	0.124	0.043	35.2	315	2.28	0.27	12.0	315	0.56	0.04	7.7	315
Silt	0.016	0.007	45.0	88	1.37	0.05	3.3	88	0.27	0.02	8.6	88
Silt Loam	0.020	0.012	64.7	1093	1.41	0.12	8.5	1093	0.29	0.06	19.9	1093
Silty Clay	0.005	0.005	113.6	126	1.09	0.06	5.0	374	0.09	0.05	51.7	374
Silty Clay Loam	0.010	0.006	61.5	641	1.23	0.06	5.0	641	0.19	0.04	21.5	641
Sand	0.145	0.029	20.3	246	2.68	0.29	20.3	246	0.62	0.04	6.3	246
Sandy Clay	0.027	0.017	61.7	46	1.23	0.10	7.9	46	0.18	0.06	34.7	46
Sandy Clay Loam	0.059	0.038	64.6	214	1.48	0.13	8.7	214	0.32	0.06	53.0	214
Sandy Loam	0.075	0.037	49.4	1183	1.89	0.17	9.2	1183	0.47	0.05	10.1	1183

\bar{X} = Mean, SD = Standard Deviation, CV = Coefficient of Variation (percent), N = Sample size

^a Agricultural Soil, Clay 60 percent

6.4.2 Longitudinal Dispersivity of Each Layer [m]

Hydrodynamic dispersion refers to the spreading and mixing caused by molecular diffusion and mechanical dispersion (Freeze and Cherry, 1979). For many field problems, molecular diffusion is small relative to mechanical dispersion and can be ignored. Molecular diffusion is not considered in MULTIMED, which calculates the longitudinal dispersion coefficient as the product of the seepage velocity and longitudinal (α_L) dispersivity. Note that longitudinal dispersion is the dispersion in the predominant direction of flow, which is vertical in the unsaturated zone.

Dispersivity is a difficult parameter to determine. Table 6-6 provides a compilation of dispersivity values appropriate for the unsaturated transport module. Research has shown that the values for longitudinal dispersivity are scale dependent. In an unsaturated transport layer, if a value for the longitudinal dispersivity is not input, the user can specify that the parameter be derived. The equation used in the model to calculate dispersivity is based on regression analysis of the data in Table 6-6. The following relationship between dispersivity and the depth of the unsaturated zone, L, was developed:

$$\alpha_v = 0.02 + 0.022L, \quad R^2 = .66* \quad (6.4)$$

To avoid excessively high values of dispersivity for deep unsaturated zones, a maximum dispersivity of 1.0 m is used.

Distributional properties for longitudinal dispersivity are unknown (Dean et al., 1989).

6.4.3 Percent Organic Matter [--]

Guidance in estimating the percent organic matter is provided in Table 6-7. Values are given for the four Hydrologic Soil Groups and for four ranges of depth. From Appendix B of the users manual for PRZM, Release I (Carsel et al., 1984) or from Section 4 of the SCS National Engineering Handbook (Soil Conservation Service, 1972), the hydrologic soil group for the particular soil that is in the area under consideration can be found. There are four different soil classifications (A, B, C, and D), and they are in the order of decreasing percolation potential and increasing slope and runoff potential. Soil characteristics associated with each hydrologic group are as follows:

- Group A: Deep sand, deep loess, aggregated silts, minimum infiltration of 0.76 - 1.14 (cm hr⁻¹)
- Group B: Shallow loess, sandy loam, minimum infiltration 0.38 - 0.76 (cm hr⁻¹)
- Group C: Clay loams, shallow sandy loam, soils low in organic content, and soils usually high in clay, minimum infiltration 0.13 - 0.38 (cm hr⁻¹)
- Group D: Soils that swell significantly when wet, heavy plastic clays, some saline soils, minimum infiltration 0.03 - 0.13 (cm hr⁻¹)

TABLE 6-6. COMPILATION OF FIELD DISPERSIVITY VALUES *

Author	Type of Experiment	Vertical Scale of Experiment (m)	Longitudinal Dispersivity α_v (m)
Yule and Gardner (1978)	Laboratory	0.23	0.0022
Hildebrand and Himmelblau (1977)	Laboratory	0.79	0.0018
Kirda et al. (1973)	Laboratory	0.60	0.004
Gaudet et al. (1977)	Laboratory	0.94	0.01
Brissaud et al. (1983)	Field	1.00	0.0011, 0.002
Warrick et al. (1971)	Field	1.20	0.027
Van de Pol et al. (1977)	Field	1.50	0.0941
Biggar and Nielsen (1976)	Field	1.83	0.05
Kies (1981)	Field	2.00	0.168
Jury et al. (1982)	Field	2.00	0.0945
Andersen et al. (1968)	Field	20.00	0.70
Oakes (1977)	Field	20.00	0.20

* From Dean et al. (1989),
Original reference Gelhar et al. (1985).

TABLE 6-7. DESCRIPTIVE STATISTICS AND DISTRIBUTION MODEL FOR ORGANIC MATTER (PERCENT BY WEIGHT)

Stratum (m)	Sample Size	Original Data				Distribution Model	
		Mean	Median	s.d.	CV (%)	Mean	s.d.
Class A							
0.0-0.3	162	0.86	0.62	0.79	92	-4.53	0.96
0.3-0.6	162	0.29	0.19	0.34	114	-5.72	0.91
0.6-0.9	151	0.15	0.10	0.14	94	-6.33	0.83
0.9-1.2	134	0.11	0.07	0.11	104	-6.72	0.87
Class B							
0.0-0.3	1135	1.3	1.1	0.87	68	-4.02	0.76
0.3-0.6	1120	0.50	0.40	0.40	83	-5.04	0.77
0.6-0.9	1090	0.27	0.22	0.23	84	-5.65	0.75
0.9-1.2	1001	0.18	0.14	0.16	87	-6.10	0.78
Class C							
0.0-0.3	838	1.45	1.15	1.12	77	-3.95	0.79
0.3-0.6	822	0.53	0.39	0.61	114	-5.08	0.84
0.3-0.9	780	0.28	0.22	0.27	96	-5.67	0.83
0.9-1.2	672	0.20	0.15	0.21	104	-6.03	0.88
Class D							
0.0-0.3	638	1.34	1.15	0.87	66	-4.01	0.73
0.3-0.6	617	0.65	0.53	0.52	80	-4.79	0.78
0.6-0.9	558	0.41	0.32	0.34	84	-5.29	0.82
0.9-1.2	493	0.29	0.22	0.31	105	-5.65	0.86

CV = coefficient of variation

s.d. = standard deviation

Source: Dean et al. (1989), Original reference Carsel et al. (1988)

^a Johnson s_B transformation is used for all cases in this table.

Carsel et al. (1988) state that a Johnson SB distribution is most appropriate for the data in Table 6-7. Note that the percent organic matter typically decreases with depth. More detailed data on percent organic matter are available through the interactive computer program DBAPE discussed in Section 6.3.5 (Imhoff et al., 1990).

If the percent organic matter is not known, but the fractional organic carbon content is given, the following equation can be used to estimate the percent organic matter:

$$f_{om} = 172.4 f_{oc} \quad (6.5)$$

where

f_{oc} - fractional organic carbon content [dimensionless]
 f_{om} - percent organic matter [dimensionless]
 172.4 - conversion factor from percent organic matter content to fractional organic carbon content

6.4.4 Bulk Density of Soil for Layer [g/cc]

Bulk density can be defined as the mass of a unit volume of dry soil (Mercer et al., 1982). The soil bulk density directly influences the retardation of solutes and is related to the structure and texture of a soil. The bulk density of soils typically range between 1.3 and 2.0 g/cc, but Mercer et al. (1982) state that the bulk density can be as low as 0.3 g/cc for soils high in organics or aluminum and iron hydroxides. Representative values for five different types of soils are shown in Table 6-8. In addition, values of bulk density for a large number of soils can be obtained from DBAPE, discussed in Section 6.3.5 (Imhoff et al., 1990).

Descriptive statistics for bulk density are given in Table 6-9 for the four Hydrologic Soil Groups (A, B, C, and D) and for four ranges of depth. (A brief description of the soil groups is given in Section 6.4.3.) The most appropriate probability density distribution for bulk density is typically a normal distribution (Jury, 1985).

4.5 Biological Decay Coefficient [1/yr]

Estimation of the biodegradation rate constant is discussed in Section 6.1.7.

6.5 AQUIFER-SPECIFIC PARAMETERS

6.5.1 Aquifer Porosity [--]

Porosity is also discussed in Section 6.5.1 and values of porosity for various materials are given in Table 6-3. It is an important parameter, influencing the velocity and retardation of contaminants transported in an aquifer (Mills et al., 1985b). In the absence of a user-specified distribution for the aquifer porosity, it can be derived by the code. It is calculated from the particle diameter using the following empirical relationship (Federal Register, Vol. 51, No. 9, p. 1649, 1986):

TABLE 6-8. MEAN BULK DENSITY (g/cm^3) FOR FIVE SOIL TEXTURAL CLASSIFICATIONS^{a, b}

Soil Texture	Mean Value	Range Reported
Silt Loams	1.32	0.86 - 1.67
Clay and Clay Loams	1.30	0.94 - 1.54
Sandy Loams	1.49	1.25 - 1.76
Gravelly Silt Loams	1.22	1.02 - 1.58
Loams	1.42	1.16 - 1.58
All Soils	1.35	0.86 - 1.76

^a Baes, C.F., III and R.D. Sharp. 1983. A Proposal for Estimation of Soil Leaching Constants for Use in Assessment Models. J. Environ. Qual. 12(1):17-28 (Original reference).

^b From Dean et al. (1989)

$$\theta = 0.261 - 0.0385 \ln(d) \quad (6.6)$$

where d is the mean particle diameter [cm].

6.5.2 Particle Diameter [cm]

The particle diameter can be determined by methods such as sieve analysis (Freeze and Cherry, 1979). Table 6-10 shows the range of soil particle sizes for a variety of soil materials. If the porosity is known, the particle diameter can be derived using Equation 6.6. Note that both porosity and particle diameter can not be derived in the same simulation (i.e., at least one must be input by the user).

6.5.3 Bulk Density [g/cc]

Bulk density is discussed in Section 6.4.4 and Tables 6-8 and 6-9 provide data on the bulk density of soils. However, the bulk density of aquifer materials may differ significantly from that of soils. Therefore, data on the ranges of bulk density for various geologic material are presented in Table 6-11.

If site-specific data are not available, the bulk density of the saturated zone can be derived by the model using an exact relationship between porosity, particle density and the bulk density (Freeze and Cherry, 1979). Assuming the particle density to be 2.65 g/cc, this relationship can be expressed as:

Table 6-9. DESCRIPTIVE STATISTICS FOR BULK DENSITY (g cm^{-3})

Stratum (m)	Sample Size	Mean	Median	s.d.	CV (%)
Class A					
0.0-0.3	40	1.45	1.53	0.24	16.2
0.3-0.6	44	1.50	1.56	0.23	15.6
0.6-0.9	38	1.57	1.55	0.16	10.5
0.9-1.2	34	1.58	1.59	0.13	8.4
Class B					
0.0-0.3	459	1.44	1.45	0.19	13.5
0.3-0.6	457	1.51	1.53	0.19	12.2
0.6-0.9	438	1.56	1.57	0.19	12.3
0.9-1.2	384	1.60	1.60	0.21	12.9
Class C					
0.0-0.3	398	1.46	1.48	0.22	15.0
0.3-0.6	395	1.58	1.59	0.23	14.5
0.6-0.9	371	1.64	1.65	0.23	14.2
0.9-1.2	326	1.67	1.68	0.23	14.0
Class D					
0.0-0.3	259	1.52	1.53	0.24	15.9
0.3-0.6	244	1.63	1.66	0.26	16.0
0.6-0.9	214	1.67	1.72	0.27	16.3
0.9-1.2	180	1.65	1.72	0.28	17.0

CV - coefficient of variation

s.d. - standard deviation

Sources: From Dean et al. (1989),
Original reference Carsel et al. (1988).

TABLE 6-10. RANGE OF SOIL PARTICLE SIZES FOR VARIOUS MATERIALS

Class name	Size Range		Approximate Sieve Mesh Openings	
	Millimeters	Inches	Tyler	United States Standard
Very large boulders	4,096-2,048	160-80		
Large boulders	2,048-1,024	80-40		
Medium boulders	1,024-512	40-20		
Small boulders	512-256	20-10		
Large cobbles	256-128	10-5		
Small cobbles	128-64	5-2.5		
Very coarse gravel	64-32	2.5-1.3		
Coarse gravel	32-16	1.3-0.6		
Medium gravel	16-8	0.6-0.3	2-1/2	
Fine gravel	8-4	0.3-0.16	5	5
Very fine gravel	4-2	0.16-0.08	9	10
Very coarse sand	2.000-1.000		16	18
Coarse sand	1.000-0.500		32	35
Medium sand	0.500-0.250		60	60
Fine sand	0.250-0.125		115	120
Very fine sand	0.125-0.062		250	250
Coarse silt	0.062-0.031			
Medium silt	0.031-0.016			
Fine silt	0.016-0.008			
Very fine silt	0.008-0.004			
Coarse clay	0.004-0.0020			
Medium clay	0.0020-0.0010			
Fine clay	0.0010-0.0005			
Very fine clay	0.0005-0.00024			

Reference: Modified from Vanoni (1975).

$$\rho_b = 2.65(1 - \theta) \quad (6.7)$$

where ρ_b = the bulk density of the soil [g/cc].

6.5.4 Aquifer Thickness [m]

The estimation of the thickness of the aquifer is site-specific, and should be based on available geologic data.

6.5.5 Source Thickness (Mixing Zone Depth) [m]

Percolation of water through the facility (and unsaturated zone, if it exists) results in the development of a contaminant plume below the facility (see Figure 6.1). The thickness, H, of this plume depends on the vertical dispersivity of the media. If a value for H is not known, it can be derived in the model using the following relationship:

TABLE 6-11. RANGE AND MEAN VALUES OF DRY BULK DENSITY FOR VARIOUS GEOLOGIC MATERIALS

Material	Range (g/cm ³)	Mean (g/cm ³)
Clay	1.18-1.72	1.49
Silt	1.01-1.79	1.38
Sand, fine	1.13-1.99	1.55
Sand, medium	1.27-1.93	1.69
Sand, coarse	1.42-1.94	1.73
Gravel, fine	1.60-1.99	1.76
Gravel, medium	1.47-2.09	1.85
Gravel, coarse	1.69-2.08	1.93
Loess	1.25-1.62	1.45
Eolian sand	1.33-1.70	1.58
Till, predominantly silt	1.61-1.91	1.78
Till, predominantly sand	1.69-2.12	1.88
Till, predominantly gravel	1.72-2.12	1.91
Glacial drift, predominantly silt	1.11-1.66	1.38
Glacial drift, predominantly sand	1.36-1.83	1.55
Glacial drift, predominantly gravel	1.47-1.78	1.60
Sandstone, fine grained	1.34-2.32	1.76
Sandstone, medium grained	1.50-1.86	1.68
Siltstone	1.35-2.12	1.61
Claystone	1.37-1.60	1.51
Shale	2.20-2.72	2.53
Limestone	1.21-2.69	1.94
Dolomite	1.83-2.20	2.02
Granite, weathered	1.21-1.78	1.50
Gabbro, weathered	1.67-1.77	1.73
Basalt	1.99-2.89	2.53
Schist	1.42-2.69	1.76

Reference: Morris and Johnson (1967); Mills et al. (1985b)

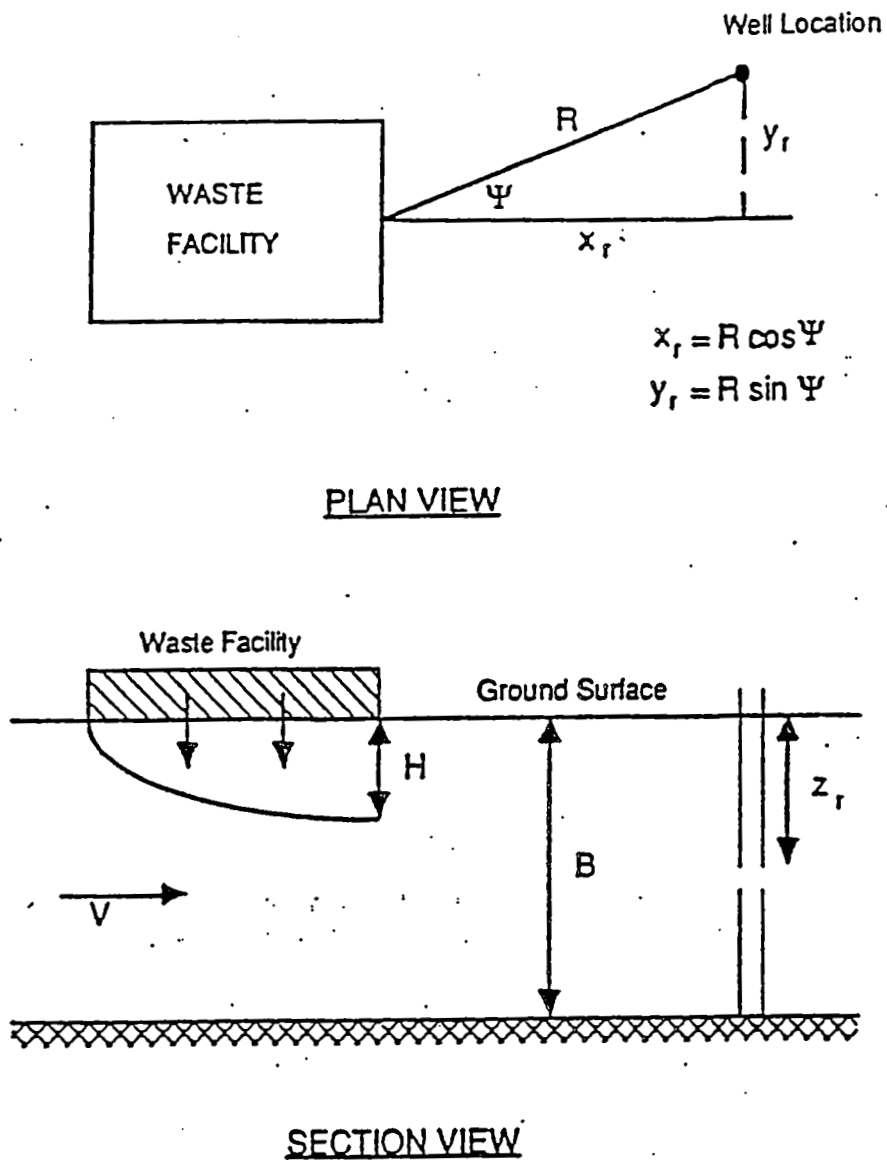


Figure 6.1 Schematic of the source thickness and the well location (from Salhotra et al., 1990).

$$H = (2\alpha_V L)^{1/2} + B(1 - \exp(-\frac{LQ_f}{V_s \theta B})) \quad (6.8)$$

where

- α_V - the vertical dispersivity [m]
- L - the length scale of the facility--i.e., the dimension of the facility parallel to the flow direction [m] (if L is not known, an estimate can be obtained from Equation 6.2)
- B - the thickness of the saturated zone [m]
- V_s - one-dimensional, uniform seepage velocity in the x direction [m/yr]
- Q_f - percolation rate [m/yr]

In Equation 6.8 the first term represents the thickness of the plume due to vertical dispersion and the second term represents the thickness of the plume due to the vertical velocity below the facility resulting from percolation. While implementing this alternative, the code checks that the computed value of the thickness of the source, H, is not greater than the thickness of the aquifer, B. If it is, the source thickness is set equal to the aquifer thickness.

6.5.6 Hydraulic Conductivity [m/yr]

Hydraulic conductivity estimates should be based on site-specific data collection, such as piezometer tests (bail tests or slug tests) and/or pumping tests. Some typical hydraulic conductivity values for various materials are shown in Tables 6-1 and 6-2 and discussed in Section 6.3.1. Note that the units of hydraulic conductivity are m/yr in the saturated zone, but cm/hr elsewhere in the code.

An alternative, though often a poor one, is to allow the code to derive a value for hydraulic conductivity. The code uses an approximate functional relationship, the Kozeny-Carman equation (Bear 1979):

$$K = \frac{\rho g}{\mu} \frac{\theta^3}{(1-\theta)^2} \frac{d^2}{1.8} \quad (6.9)$$

where

- K - the hydraulic conductivity [cm/s]
- ρ - the density of water [kg/m³]
- g - acceleration due to gravity [m/s²]
- μ - the dynamic viscosity of water [N·s/m²]
- d - mean particle diameter [cm]

In Equation 6.9, the constant 1.8 includes a unit conversion factor. Both the density of water, ρ , and the dynamic viscosity of water, μ , are functions of temperature and are computed using regression equations presented in CRC (1981). Note that at 15°C, the value of $[\rho g / 1.8 \mu]$ is about 478.

6.5.7 Hydraulic Gradient [m/m]

The hydraulic gradient is the change in water level elevation over a given distance. In general, it is a function of the local topography, groundwater recharge volume and location, and the volume and location of groundwater withdrawals. Further, it may also be related to the porous media properties.

The gradient can often be estimated from water level measurements in the area surrounding the site or from a map of water table or potentiometric surface elevations. The average gradient under natural conditions should be input in the model. Therefore estimates should not include the effect of pumping. The data used to estimate the hydraulic gradient can also be used to determine the direction of groundwater flow.

6.5.8 Groundwater Seepage Velocity [m/yr]

The groundwater velocity is needed to quantify transport by advection. Because groundwater velocities are difficult to measure directly, they are often determined indirectly, using the fact that seepage velocity is related to the aquifer properties through Darcy's Law. Assuming a uniform, saturated porous medium, the seepage velocity can be expressed as:

$$V_s = KS/\theta \quad (6.10)$$

where

- K - the hydraulic conductivity of the formation [m/yr]
- S - the hydraulic gradient [m/m]

MULTIMED allows the user to derive the seepage velocity by means of Equation 6.10 instead of directly entering a value.

Note that the hydraulic conductivity of the aquifer is used by the code only to calculate the seepage velocity. Therefore, if the groundwater seepage velocity is specified by the user, the hydraulic conductivity will not be used.

6.5.9 Retardation Coefficient [--]

The retardation factor is used to determine the retardation, due to adsorption, of a contaminant relative to the bulk mass of water transporting the contaminant (Freeze and Cherry, 1979). In addition to delaying the arrival time of a contaminant at a receptor, retardation together with dispersion can lower the peak concentration. In MULTIMED, the retardation factor can be input directly or derived by the code using:

$$R_s = 1 + \rho_b K_d / \theta \quad (6.11)$$

where

- ρ_b - bulk density [g/cc]
- K_d - contaminant distribution coefficient [cc/g]
- θ - saturation water content [--]

Estimation of the bulk density, distribution coefficient, and saturation water content has been discussed in earlier sections. Note that a value of one for the retardation coefficient means that the contaminant does not interact with the solid phase, but acts as a conservative tracer. An example of a conservative tracer is chloride.

6.5.10 Longitudinal, Transverse and Vertical Dispersivities [m]

The aquifer longitudinal (α_L), transverse (α_T), and vertical (α_V) dispersivities are used in the model to calculate hydrodynamic dispersion (i.e., the spreading and mixing caused by mechanical dispersion). The spreading of a contaminant caused by molecular diffusion is assumed to be small relative to mechanical dispersion and is ignored in the model. The estimation of longitudinal dispersivity in the unsaturated zone is discussed in Section 6.4.2. Note that the longitudinal dispersivity is oriented in the vertical direction for the unsaturated zone, while it is oriented in the horizontal direction for the saturated zone.

The values for dispersivity are difficult to determine. Research has shown that the values for these parameters are strongly scale dependent (EPRI, 1985). This can be seen in Figure 6.2. In general, dispersion is determined by adjusting the dispersivity values until modeling results match historical data (Mercer et al., 1982).

In the absence of user-specified values, the model allows two alternatives for deriving the aquifer dispersivities. Alternative one is based on values presented in Gelhar and Axness (1981). Dispersivities are calculated as a fraction of the distance to the downgradient receptor well, as follows:

$$\alpha_L = 0.1 x_T \quad (6.12)$$

$$\alpha_T = \alpha_L / 3.0 \quad (6.13)$$

$$\alpha_V = 0.056 \alpha_L \quad (6.14)$$

where x_T is the distance to the receptor well [m]. This option is summarized in Table 6-12(a).

Alternative two allows a probabilistic formulation for the longitudinal dispersivity as shown in Tables 6-12(a) and 6-12(b) [Gelhar (personal communication), 1986]. The longitudinal dispersivity is assumed to be uniform within each of the three intervals shown in Table 6-12(b). Note that these values of longitudinal dispersivity shown are based on a receptor well distance of 152.4 m. For other distances, the following equation is used:

$$\alpha_L(x_T) = \alpha_L(x_T = 152.4)(x_T/152.4)^{0.5} \quad (6.15)$$

The transverse and vertical dispersivity are assumed to have the following values:

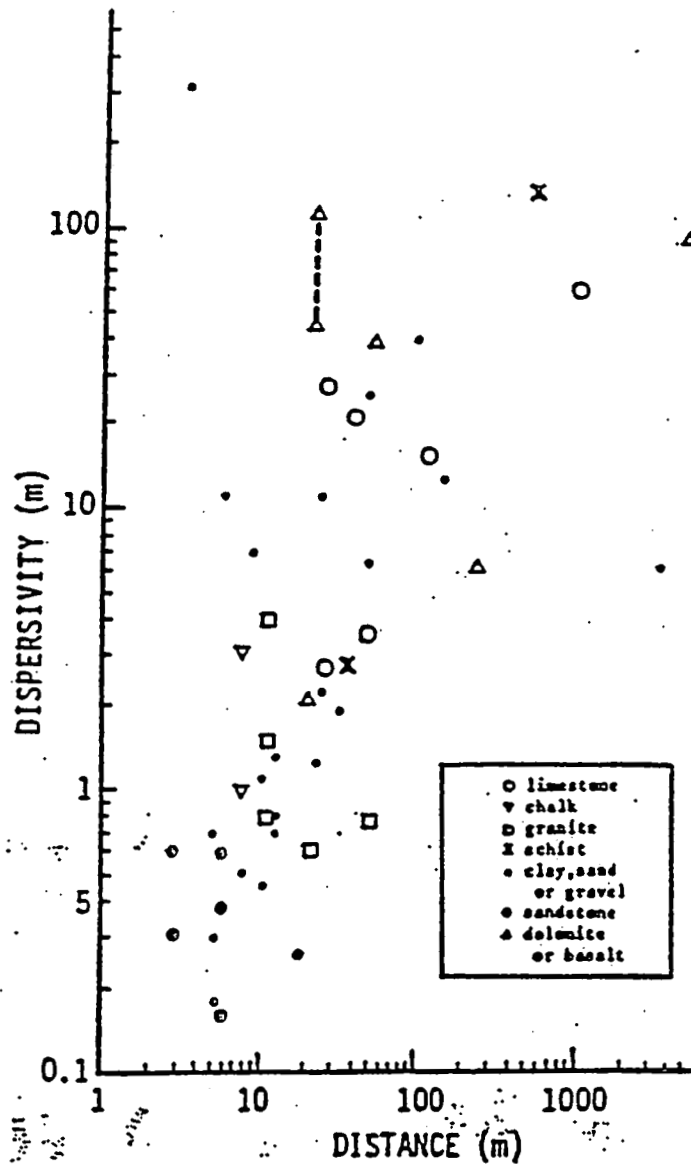


Figure 6.2 Measured values of longitudinal dispersivity as a function of path length over which dispersion is observed (from Mercer et al., 1982; original reference: Lallemand-Barres and Peaudecerf, 1978).

TABLE 6-12(a). ALTERNATIVES FOR INCLUDING DISPERSIVITIES IN THE SATURATED ZONE MODULE

<u>Dispersivity</u>	<u>Alternative 1 Existing Values</u>	<u>Alternative 2 Gelhar's Recommendation</u>
α_L [m] Probabilistic Formulation	$0.1 \alpha_T$	(See Table 5-3(b))
α_T [m]	$0.333 \alpha_L$	$\alpha_L/8$
α_V [m]	$0.056 \alpha_L$	$\alpha_L/160$
α_L/α_T	3	8
α_L/α_V	approx. 18	160

TABLE 6-12(b). PROBABILISTIC REPRESENTATION OF LONGITUDINAL DISPERSIVITY FOR A DISTANCE OF 152.4 m

<u>Class</u>	<u>1</u>	<u>2</u>	<u>3</u>
α_L (m)	0.1-1	1-10	10-100
Probability	0.1	0.6	0.3
Cumulative Probability	0.1	0.7	1.0

$$\alpha_T = \alpha_L/8 \quad (6.16)$$

$$\alpha_V = \alpha_L/160 \quad (6.17)$$

The distributional properties for the longitudinal and transverse dispersivities are unknown (Dean et al., 1989).

6.5.11 Aquifer Temperature [°C]

This parameter is site-specific and should be measured at the site. Note that MULTIMED does not take into account any seasonal variation in temperature in the uppermost portions of the aquifer. Instead, an average value should be used. The average temperature of shallow groundwater in the United States is shown in Figure 6.3.

6.5.12 pH [pH units]

The pH values of groundwater in the United States typically range between 6.0 and 8.5. However, values as high as 11.0 for alkali-spring water and as low as 1.8 for acid hot-spring water have been determined (Mercer et al., 1982). The pH can be measured from groundwater samples in the field. For some aquifers, data may be available from the U.S. Geological Survey, the U.S. Environmental Protection Agency, or from state and local agencies.

6.5.13 Organic Carbon Content (Fraction) [--]

fractional organic carbon content can be estimated from the percent organic matter by the following relationship:

$$f_{oc} = f_{om}/172.4 \quad (6.18)$$

where

- f_{oc} - fractional organic carbon content [dimensionless]
- f_{om} - percent organic matter [dimensionless]
- 172.4 - conversion factor from percent organic matter content to fractional organic carbon content

Information about the percent organic matter in soils is provided in Section 6.4.3. Typically the value of the percent organic matter (and hence, the fractional organic carbon content) is smaller for an aquifer than for near-surface soils.

6.5.14 Well Distance from Site [m], Angle off Center [degrees], and Well Vertical Distance [m]

A schematic of the receptor well location relative to the waste facility was presented in Figure 6.1. The location of the well is determined by specifying the radial distance to the well, the angle between the plume centerline and the radial location of the well measured counterclockwise and the depth of penetration of the well. The well screen depth is specified as the fraction

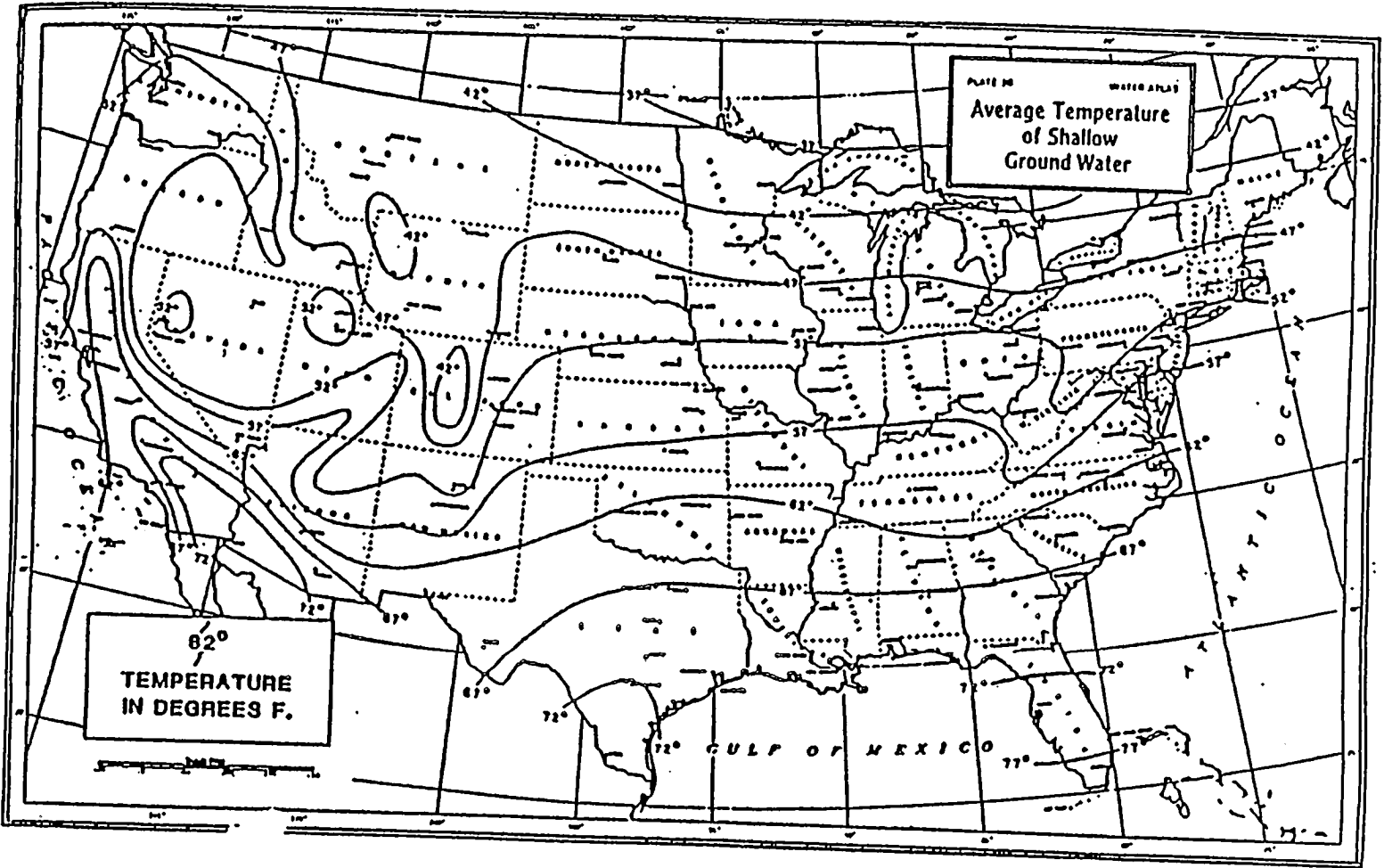


Figure 6.3 Average temperatures of shallow groundwater in the continental United States (from Geraghty et al., 1973).

(i.e., a value between 0 and 1) of the total aquifer thickness and is measured downward from the water table. The well is assumed to have a single opening at the depth specified. The code uses the input to calculate the cartesian coordinates of the well location as discussed in Section 5.2.3.

For Subtitle D applications of the model, a conservative approach is required. Thus, the well is assumed to be located on the contaminant plume centerline (i.e., the angle off center is fixed at zero degrees) and the well vertical distance is also fixed at zero (i.e., the contaminant concentration is predicted at the water table).

E

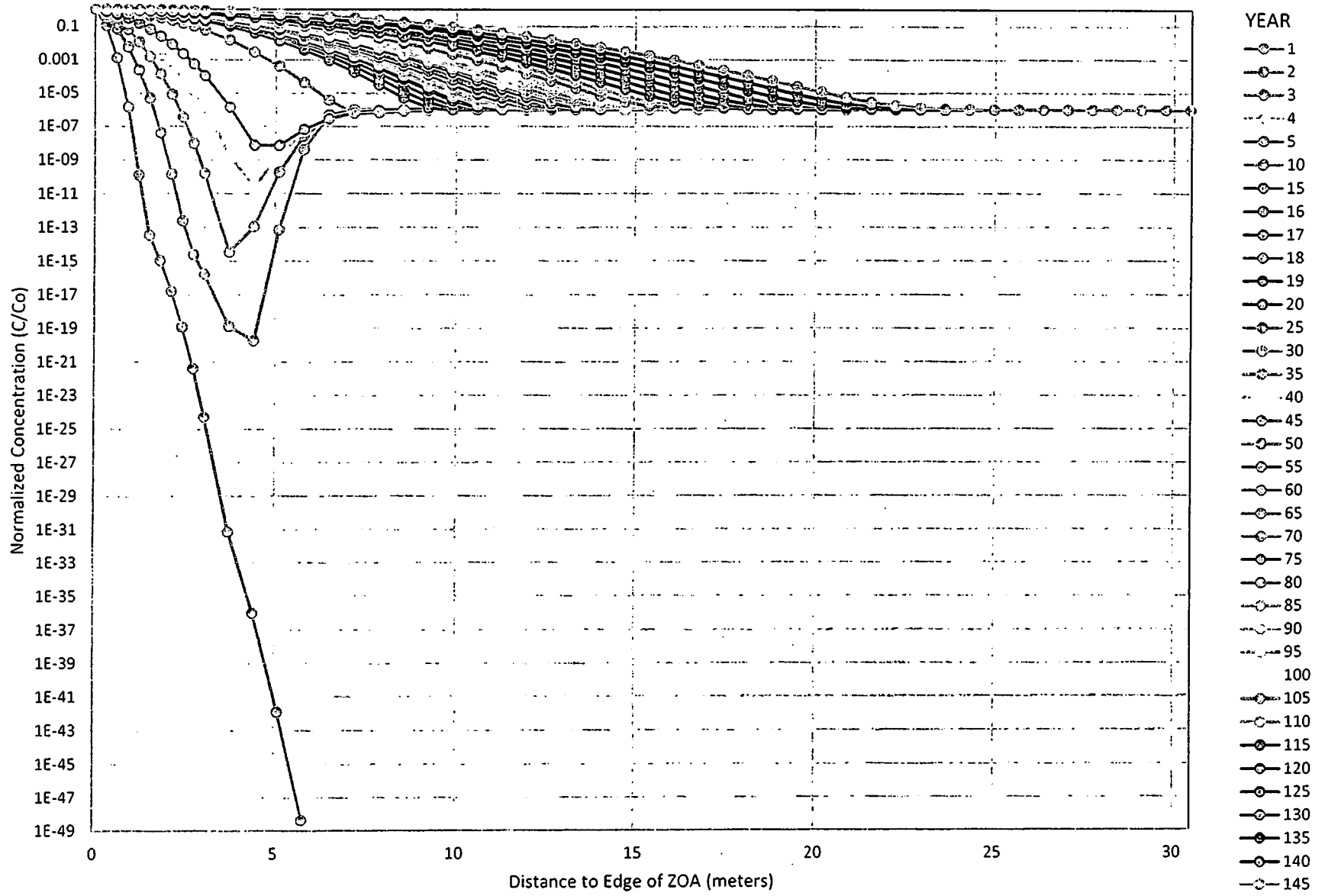
APPENDIX E

**EXISTING UNIT – BASELINE MODEL WITH TIME & DISTANCE
PROFILES, TABLE OF SENSITIVITY RESULTS, AND INPUT AND
OUTPUT FILES**

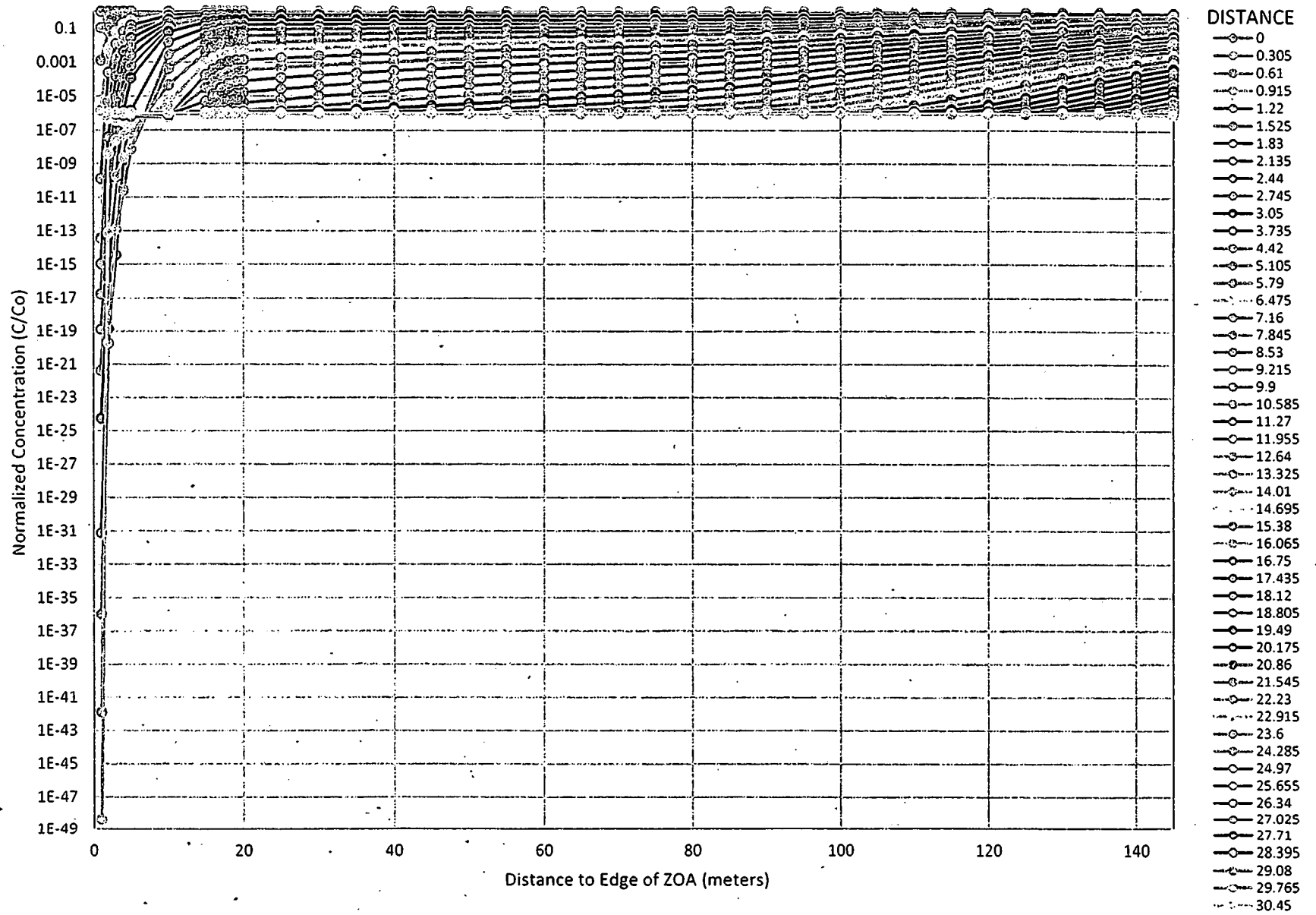
**SUMMARY TABLE OF SENSITIVITY RESULTS
POLLUTE - EXISTING UNIT**

File Name	Parameter	Value	MPF
EBASLIN	Baseline		1.0002E-06
EVAMN	Darcy Velocity	0	2.4222E-20
EVAVMX	Darcy Velocity	0.0378	3.4608E-08
EL1SLMN	No. of Sublayer	5	1.0002E-06
EL1SLMX	No. of Sublayer	20	1.0002E-06
EL1RHOMN	Dry Density	1.61	1.0002E-06
EL1RHOMX	Dry Density	2.12	1.0002E-06
EL1NEMN	Porosity	0.29	1.0003E-06
EL1NEMX	Porosity	0.42	1.0001E-06
EL1DHMN	Diffusion Coefficient	0.00315	1.0001E-06
EL1DHMX	Diffusion Coefficient	0.0315	1.0003E-06
EL2SLMN	No. of Sublayer	20	1.0023E-06
EL2SLMX	No. of Sublayer	90	1.0001E-06
EL2RHOMN	Dry Density	1.13	1.0002E-06
EL2RHOMX	Dry Density	1.99	1.0002E-06
EL2NEMN	Porosity	0.32	1.0169E-06
EL2NEMX	Porosity	0.5	1.0000E-06
EL2DHMN	Diffusion Coefficient	0.00315	1.0000E-06
EL2DHMX	Diffusion Coefficient	0.0315	1.0253E-05

Existing Unit - Concentration vs Distance



Existing Unit - Concentration vs Time



Existing Expansion Area - BASELINE (EBASELIN.IN)
 #VAR 2 HOLA: No. of Layers ARE ANY LAYERS FRACTURED?
 H 0.018 0.36 0 1.91 3.05 10
 0.018 0.41 0 1.69 27.4 40
 2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 N Is there Decay
 N Do you have an initial concentration profile?
 Y Is there a variation in velocity within groups?
 7 Number of groups of variable data
 Time at which analysis starts
 0 5 1 T(end), No. Time Steps, CO
 0 0 0.00756 0 DCO, DVa, DVb, DQc
 0 0 0.9 Va, alpha
 15 2 1 T(end), No. Time Steps, CO
 0 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 16 1 1 T(end), No. Time Steps, CO
 0 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 19 3 1 T(end), No. Time Steps, CO
 0 0 -0.0126 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 20 1 1 T(end), No. Time Steps, CO
 0 0 0 DCO, DVa, DVb, DQc
 0 0 0.9 Va, alpha
 75 11 1 T(end), No. Time Steps, CO
 0 0 0 DCO, DVa, DVb, DQc
 0 0 0.9 Va, alpha
 145 14 1 T(end), No. Time Steps, CO
 0 0 0.0027 0 DCO, DVa, DVb, DQc
 0 0 0.9 Va, alpha
 Y Accept default TALBOT parameters?
 N Limited number of depths for results

POLLUTEV6 SIMULATION R386
 RUH DATE - 27- 8-***
 TIME - 11: 3:53
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

Existing Expansion Area - BASELINE (EBASELIN.IN)

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	PROPERTIES OF THE MATRIX DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

THE TOP AND BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RIU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.00000E+00	0.10000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53853E-24	
	0.37350E+01	0.76566E-31	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01 0.10473E-35
 0.51050E+01 0.12729E-41
 0.57900E+01 0.02328E-48
 0.64750E+01 0.00000E+00
 0.71600E+01 0.00000E+00
 0.78450E+01 0.00000E+00
 0.85300E+01 0.00000E+00
 0.92150E+01 0.00000E+00
 0.99000E+01 0.00000E+00
 0.10585E+02 0.00000E+00
 0.11270E+02 0.00000E+00
 0.11955E+02 0.00000E+00
 0.12640E+02 0.00000E+00
 0.13325E+02 0.00000E+00
 0.14010E+02 0.00000E+00
 0.14695E+02 0.00000E+00
 0.15380E+02 0.00000E+00
 0.16065E+02 0.00000E+00
 0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

0.44200E+01 0.18488E-19
 0.51050E+01 0.76184E-13
 0.57900E+01 0.40654E-08
 0.64750E+01 0.48269E-06
 0.71600E+01 0.99476E-06
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.1000E+01	0.10476E+00
	0.0050E+00	0.2571E-00	
	0.0100E+00	0.4747E-01	
	0.0150E+00	0.5985E-02	
	0.0200E+00	0.2486E-03	
	0.0250E+00	0.4687E-05	
	0.0300E+00	0.3941E-07	
	0.0350E+00	0.1458E-09	
	0.0400E+00	0.2590E-12	
	0.0450E+00	0.2517E-14	
	0.0500E+00	0.1690E-15	
	0.0550E+00	0.1313E-18	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.1000E+01	0.15722E+00
	0.0050E+00	0.5544E+00	
	0.0100E+00	0.2205E+00	
	0.0150E+00	0.6163E-01	
	0.0200E+00	0.1192E-01	
	0.0250E+00	0.1577E-02	
	0.0300E+00	0.1415E-03	
	0.0350E+00	0.8553E-05	
	0.0400E+00	0.3460E-06	
	0.0450E+00	0.9399E-08	
	0.0500E+00	0.1623E-09	
	0.0550E+00	0.3563E-14	

0.44200E+01 0.12073E-12
 0.51050E+01 0.19516E-09
 0.57900E+01 0.25549E-07
 0.64750E+01 0.36471E-06
 0.71600E+01 0.86623E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.26426E-10
 0.51050E+01 0.22132E-08
 0.57900E+01 0.48772E-07
 0.64750E+01 0.31480E-06
 0.71600E+01 0.73856E-06
 0.78450E+01 0.95790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.1000E+01	0.21292E+00
	0.0050E+00	0.6756E+00	
	0.0100E+00	0.3770E+00	
	0.0150E+00	0.1714E+00	
	0.0200E+00	0.6296E-01	
	0.0250E+00	0.1852E-01	
	0.0300E+00	0.4339E-02	
	0.0350E+00	0.8062E-03	
	0.0400E+00	0.1184E-03	
	0.0450E+00	0.1372E-04	
	0.0500E+00	0.1201E-05	
	0.0550E+00	0.1595E-08	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.27249E+00
	0.0050E+00	0.7568E+00	
	0.0100E+00	0.5067E+00	
	0.0150E+00	0.2975E+00	
	0.0200E+00	0.1521E+00	
	0.0250E+00	0.6739E-01	
	0.0300E+00	0.2574E-01	
	0.0350E+00	0.8455E-02	
	0.0400E+00	0.2381E-02	
	0.0450E+00	0.5733E-03	
	0.0500E+00	0.1136E-03	
	0.0550E+00	0.1399E-05	

0.44200E+01 0.72453E-08
 0.51050E+01 0.69922E-08
 0.57900E+01 0.66025E-07
 0.64750E+01 0.28521E-06
 0.71600E+01 0.6357E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99861E-06
 0.99000E+01 0.99994E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29135E-02
 0.51050E+01 0.41666E-03
 0.57900E+01 0.44393E-04
 0.64750E+01 0.37198E-05
 0.71600E+01 0.62479E-06
 0.78450E+01 0.64267E-06
 0.85300E+01 0.81097E-06
 0.92150E+01 0.92165E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.30500E+00	0.90783E+00	
	0.61000E+00	0.79697E+00	
	0.91500E+00	0.67430E+00	
	0.12200E+01	0.54829E+00	
	0.15250E+01	0.42743E+00	
	0.18300E+01	0.31881E+00	
	0.21350E+01	0.22709E+00	
	0.24400E+01	0.15411E+00	
	0.27450E+01	0.99143E-01	
	0.30500E+01	0.59536E-01	
	0.37350E+01	0.15207E-01	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.7784E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88142E+00	
	0.91500E+00	0.80474E+00	
	0.12200E+01	0.71951E+00	
	0.15250E+01	0.62900E+00	
	0.18300E+01	0.53682E+00	
	0.21350E+01	0.44652E+00	
	0.24400E+01	0.35118E+00	
	0.27450E+01	0.28305E+00	
	0.30500E+01	0.21334E+00	
	0.37350E+01	0.10029E+00	

0.44200E+01 0.39919E-01
 0.51050E+01 0.13383E-01
 0.57900E+01 0.37788E-02
 0.64750E+01 0.89563E-03
 0.71600E+01 0.17838E-03
 0.78450E+01 0.30191E-04
 0.85300E+01 0.48210E-05
 0.92150E+01 0.12875E-05
 0.99000E+01 0.94105E-06
 0.10585E+02 0.95442E-06
 0.11270E+02 0.98062E-06
 0.11955E+02 0.99335E-06
 0.12640E+02 0.99807E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.52747E-01
 0.51050E+01 0.19473E-01
 0.57900E+01 0.61282E-02
 0.64750E+01 0.16412E-02
 0.71600E+01 0.37398E-03
 0.78450E+01 0.72914E-04
 0.85300E+01 0.12732E-04
 0.92150E+01 0.25840E-05
 0.99000E+01 0.11213E-05
 0.10585E+02 0.96540E-06
 0.11270E+02 0.97479E-06
 0.11955E+02 0.98960E-06
 0.12640E+02 0.99653E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.10000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.8907E+00	
	0.91500E+00	0.8198E+00	
	0.12200E+01	0.74080E+00	
	0.15250E+01	0.65578E+00	
	0.18300E+01	0.56797E+00	
	0.21350E+01	0.48046E+00	
	0.24400E+01	0.39606E+00	
	0.27450E+01	0.31597E+00	
	0.30500E+01	0.2445E+00	
	0.37350E+01	0.12233E+00	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.10000E+01	0.86564E+00
	0.30500E+00	0.95499E+00	
	0.61000E+00	0.89919E+00	
	0.91500E+00	0.83359E+00	
	0.12200E+01	0.75976E+00	
	0.15250E+01	0.67978E+00	
	0.18300E+01	0.59617E+00	
	0.21350E+01	0.51163E+00	
	0.24400E+01	0.42866E+00	
	0.27450E+01	0.34935E+00	
	0.30500E+01	0.27521E+00	
	0.37350E+01	0.14542E+00	

0.44200E+01 0.67070E-01
 0.51050E+01 0.26854E-01
 0.57900E+01 0.92033E-02
 0.64750E+01 0.27632E-02
 0.71600E+01 0.70755E-03
 0.78450E+01 0.15629E-03
 0.85300E+01 0.30425E-04
 0.92150E+01 0.58713E-05
 0.99000E+01 0.16896E-05
 0.10585E+02 0.10498E-05
 0.11270E+02 0.97950E-06
 0.11955E+02 0.98620E-06
 0.12640E+02 0.99446E-06
 0.13325E+02 0.99819E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99987E-06
 0.15380E+02 0.99997E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.77578E-01
 0.51050E+01 0.32663E-01
 0.57900E+01 0.11976E-01
 0.64750E+01 0.38108E-02
 0.71600E+01 0.10510E-02
 0.78450E+01 0.25159E-03
 0.85300E+01 0.53016E-04
 0.92150E+01 0.10568E-04
 0.99000E+01 0.26069E-05
 0.10585E+02 0.12241E-05
 0.11270E+02 0.10055E-05
 0.11955E+02 0.98679E-06
 0.12640E+02 0.99290E-06
 0.13325E+02 0.99736E-06
 0.14010E+02 0.99918E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.89466E+00
	0.30500E+00	0.9562E+00	
	0.61000E+00	0.90239E+00	
	0.91500E+00	0.84096E+00	
	0.12200E+01	0.77051E+00	
	0.15250E+01	0.69381E+00	
	0.18300E+01	0.61308E+00	
	0.21350E+01	0.53071E+00	
	0.24400E+01	0.44901E+00	
	0.27450E+01	0.36989E+00	
	0.30500E+01	0.29478E+00	
	0.37350E+01	0.16124E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.90960E+00
	0.30500E+00	0.95639E+00	
	0.61000E+00	0.90409E+00	
	0.91500E+00	0.84317E+00	
	0.12200E+01	0.77445E+00	
	0.15250E+01	0.69951E+00	
	0.18300E+01	0.62039E+00	
	0.21350E+01	0.53933E+00	
	0.24400E+01	0.45847E+00	
	0.27450E+01	0.37954E+00	
	0.30500E+01	0.30370E+00	
	0.37350E+01	0.16926E+00	

0.44200E+01 0.83318E-01
 0.51050E+01 0.36049E-01
 0.57900E+01 0.13647E-01
 0.64750E+01 0.45053E-02
 0.71600E+01 0.12948E-02
 0.78450E+01 0.32432E-03
 0.85300E+01 0.71648E-04
 0.92150E+01 0.14792E-04
 0.99000E+01 0.35211E-05
 0.10585E+02 0.14276E-05
 0.11270E+02 0.10463E-05
 0.11955E+02 0.99189E-06
 0.12640E+02 0.99243E-06
 0.13325E+02 0.99674E-06
 0.14010E+02 0.99890E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.84022E-01
 0.51050E+01 0.36639E-01
 0.57900E+01 0.14004E-01
 0.64750E+01 0.46758E-02
 0.71600E+01 0.13616E-02
 0.78450E+01 0.34625E-03
 0.85300E+01 0.77871E-04
 0.92150E+01 0.16417E-04
 0.99000E+01 0.39520E-05
 0.10585E+02 0.15492E-05
 0.11270E+02 0.10781E-05
 0.11955E+02 0.99785E-06
 0.12640E+02 0.99284E-06
 0.13325E+02 0.99650E-06
 0.14010E+02 0.99875E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.91055E+00
	0.30500E+00	0.95392E+00	
	0.61000E+00	0.90141E+00	
	0.91500E+00	0.84060E+00	
	0.12200E+01	0.77217E+00	
	0.15250E+01	0.69764E+00	
	0.18300E+01	0.61899E+00	
	0.21350E+01	0.53836E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.37897E+00	
	0.30500E+01	0.30175E+00	
	0.37350E+01	0.16962E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91571E+00
	0.30500E+00	0.94856E+00	
	0.61000E+00	0.89354E+00	
	0.91500E+00	0.83266E+00	
	0.12200E+01	0.76543E+00	
	0.15250E+01	0.69268E+00	
	0.18300E+01	0.61599E+00	
	0.21350E+01	0.53718E+00	
	0.24400E+01	0.45791E+00	
	0.27450E+01	0.37965E+00	
	0.30500E+01	0.30416E+00	
	0.37350E+01	0.17660E+00	

0.44200E+01 0.90376E-01
 0.51050E+01 0.40943E-01
 0.57900E+01 0.16382E-01
 0.64750E+01 0.57720E-02
 0.71600E+01 0.17875E-02
 0.78450E+01 0.48683E-03
 0.85300E+01 0.11742E-03
 0.92150E+01 0.26180E-04
 0.99000E+01 0.61194E-05
 0.10585E+02 0.20253E-05
 0.11270E+02 0.11885E-05
 0.11955E+02 0.10213E-05
 0.12640E+02 0.99602E-06
 0.13325E+02 0.99626E-06
 0.14010E+02 0.99838E-06
 0.14695E+02 0.99945E-06
 0.15380E+02 0.99948E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.96419E-01
 0.51050E+01 0.45247E-01
 0.57900E+01 0.18867E-01
 0.64750E+01 0.69758E-02
 0.71600E+01 0.22830E-02
 0.78450E+01 0.66140E-03
 0.85300E+01 0.17061E-03
 0.92150E+01 0.40197E-04
 0.99000E+01 0.94464E-05
 0.10585E+02 0.27854E-05
 0.11270E+02 0.13687E-05
 0.11955E+02 0.10636E-05
 0.12640E+02 0.10043E-05
 0.13325E+02 0.99708E-06
 0.14010E+02 0.99814E-06
 0.14695E+02 0.99926E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.92134E+00
	0.30500E+00	0.94515E+00	
	0.61000E+00	0.88781E+00	
	0.91500E+00	0.82615E+00	
	0.12200E+01	0.75943E+00	
	0.15250E+01	0.68798E+00	
	0.18300E+01	0.61289E+00	
	0.21350E+01	0.53565E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.38106E+00	
	0.30500E+01	0.30727E+00	
	0.37350E+01	0.18264E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.92731E+00
	0.30500E+00	0.94263E+00	
	0.61000E+00	0.88341E+00	
	0.91500E+00	0.82087E+00	
	0.12200E+01	0.75426E+00	
	0.15250E+01	0.68368E+00	
	0.18300E+01	0.60993E+00	
	0.21350E+01	0.53412E+00	
	0.24400E+01	0.45784E+00	
	0.27450E+01	0.38268E+00	
	0.30500E+01	0.31048E+00	
	0.37350E+01	0.18820E+00	

0.44200E+01 0.10212E+00
 0.51050E+01 0.49512E-01
 0.57900E+01 0.21438E-01
 0.64750E+01 0.82798E-02
 0.71600E+01 0.28483E-02
 0.78450E+01 0.87256E-03
 0.85300E+01 0.23898E-03
 0.92150E+01 0.59558E-04
 0.99000E+01 0.14346E-04
 0.10585E+02 0.39546E-05
 0.11270E+02 0.16527E-05
 0.11955E+02 0.11342E-05
 0.12640E+02 0.10203E-05
 0.13325E+02 0.99985E-06
 0.14010E+02 0.99827E-06
 0.14695E+02 0.99911E-06
 0.15380E+02 0.99967E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10751E+00
 0.51050E+01 0.53707E-01
 0.57900E+01 0.24075E-01
 0.64750E+01 0.96733E-02
 0.71600E+01 0.34826E-02
 0.78450E+01 0.11224E-02
 0.85300E+01 0.32475E-03
 0.92150E+01 0.85416E-04
 0.99000E+01 0.21303E-04
 0.10585E+02 0.56939E-05
 0.11270E+02 0.20861E-05
 0.11955E+02 0.12458E-05
 0.12640E+02 0.10482E-05
 0.13325E+02 0.10058E-05
 0.14010E+02 0.99913E-06
 0.14695E+02 0.99907E-06
 0.15380E+02 0.99958E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93351E+00
	0.30500E+00	0.94067E+00	
	0.61000E+00	0.87990E+00	
	0.91500E+00	0.81652E+00	
	0.12200E+01	0.74985E+00	
	0.15250E+01	0.67987E+00	
	0.18300E+01	0.60716E+00	
	0.21350E+01	0.53274E+00	
	0.24400E+01	0.45796E+00	
	0.27450E+01	0.38434E+00	
	0.30500E+01	0.31364E+00	
	0.37350E+01	0.19341E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.93991E+00
	0.30500E+00	0.93908E+00	
	0.61000E+00	0.87704E+00	
	0.91500E+00	0.81291E+00	
	0.12200E+01	0.74610E+00	
	0.15250E+01	0.67657E+00	
	0.18300E+01	0.60476E+00	
	0.21350E+01	0.53156E+00	
	0.24400E+01	0.45818E+00	
	0.27450E+01	0.38600E+00	
	0.30500E+01	0.31669E+00	
	0.37350E+01	0.19833E+00	

0.44200E+01 0.11266E+00
 0.51050E+01 0.57813E-01
 0.57900E+01 0.26757E-01
 0.64750E+01 0.11153E-01
 0.71600E+01 0.41841E-02
 0.78450E+01 0.14123E-02
 0.85300E+01 0.42977E-03
 0.92150E+01 0.11896E-03
 0.99000E+01 0.30864E-04
 0.10585E+02 0.82022E-05
 0.11270E+02 0.27291E-05
 0.11955E+02 0.14157E-05
 0.12640E+02 0.10932E-05
 0.13325E+02 0.10168E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.99930E-06
 0.15380E+02 0.99953E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.94647E+00
	0.30500E+00	0.93778E+00	
	0.61000E+00	0.87466E+00	
	0.91500E+00	0.80988E+00	
	0.12200E+01	0.74293E+00	
	0.15250E+01	0.67374E+00	
	0.18300E+01	0.60271E+00	
	0.21350E+01	0.53060E+00	
	0.24400E+01	0.45849E+00	
	0.27450E+01	0.38766E+00	
	0.30500E+01	0.31962E+00	
	0.37350E+01	0.20300E+00	

0.44200E+01 0.12228E+00
 0.51050E+01 0.65779E-01
 0.57900E+01 0.32196E-01
 0.64750E+01 0.14316E-01
 0.71600E+01 0.57779E-02
 0.78450E+01 0.21161E-02
 0.85300E+01 0.70401E-03
 0.92150E+01 0.21380E-03
 0.99000E+01 0.60237E-04
 0.10585E+02 0.16512E-04
 0.11270E+02 0.49718E-05
 0.11955E+02 0.20279E-05
 0.12640E+02 0.12649E-05
 0.13325E+02 0.10636E-05
 0.14010E+02 0.10128E-05
 0.14695E+02 0.10016E-05
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.95996E+00
	0.30500E+00	0.93578E+00	
	0.61000E+00	0.87102E+00	
	0.91500E+00	0.80520E+00	
	0.12200E+01	0.73799E+00	
	0.15250E+01	0.66936E+00	
	0.18300E+01	0.59960E+00	
	0.21350E+01	0.52934E+00	
	0.24400E+01	0.45944E+00	
	0.27450E+01	0.39096E+00	
	0.30500E+01	0.32517E+00	
	0.37350E+01	0.21167E+00	

0.44200E+01 0.11757E+00
 0.51050E+01 0.61844E-01
 0.57900E+01 0.29488E-01
 0.64750E+01 0.12703E-01
 0.71600E+01 0.49503E-02
 0.78450E+01 0.17434E-02
 0.85300E+01 0.55571E-03
 0.92150E+01 0.16136E-03
 0.99000E+01 0.43628E-04
 0.10585E+02 0.11717E-04
 0.11270E+02 0.36589E-05
 0.11955E+02 0.16666E-05
 0.12640E+02 0.11624E-05
 0.13325E+02 0.10350E-05
 0.14010E+02 0.10055E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.99957E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.95316E+00
	0.30500E+00	0.93698E+00	
	0.61000E+00	0.87268E+00	
	0.91500E+00	0.80734E+00	
	0.12200E+01	0.74025E+00	
	0.15250E+01	0.67136E+00	
	0.18300E+01	0.60100E+00	
	0.21350E+01	0.52986E+00	
	0.24400E+01	0.45891E+00	
	0.27450E+01	0.38931E+00	
	0.30500E+01	0.32244E+00	
	0.37350E+01	0.20744E+00	

0.44200E+01 0.12681E+00
 0.51050E+01 0.69627E-01
 0.57900E+01 0.34931E-01
 0.64750E+01 0.15983E-01
 0.71600E+01 0.66635E-02
 0.78450E+01 0.25304E-02
 0.85300E+01 0.87586E-03
 0.92150E+01 0.27380E-03
 0.99000E+01 0.61355E-04
 0.10585E+02 0.22897E-04
 0.11270E+02 0.67843E-05
 0.11955E+02 0.25373E-05
 0.12640E+02 0.14125E-05
 0.13325E+02 0.11066E-05
 0.14010E+02 0.10246E-05
 0.14695E+02 0.10045E-05
 0.15380E+02 0.10004E-05
 0.16065E+02 0.99983E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.96685E+00
	0.30500E+00	0.93502E+00	
	0.61000E+00	0.86962E+00	
	0.91500E+00	0.80341E+00	
	0.12200E+01	0.73611E+00	
	0.15250E+01	0.66771E+00	
	0.18300E+01	0.59850E+00	
	0.21350E+01	0.52902E+00	
	0.24400E+01	0.46007E+00	
	0.27450E+01	0.39261E+00	
	0.30500E+01	0.32782E+00	
	0.37350E+01	0.21571E+00	

0.44200E+01 0.13116E+00
 0.51050E+01 0.73387E-01
 0.57900E+01 0.37664E-01
 0.64750E+01 0.17696E-01
 0.71600E+01 0.76031E-02
 0.78450E+01 0.29857E-02
 0.85300E+01 0.10722E-02
 0.92150E+01 0.35314E-03
 0.99000E+01 0.10766E-03
 0.10585E+02 0.31210E-04
 0.11270E+02 0.92330E-05
 0.11955E+02 0.32419E-05
 0.12640E+02 0.16199E-05
 0.13325E+02 0.11689E-05
 0.14010E+02 0.10428E-05
 0.14695E+02 0.10094E-05
 0.15380E+02 0.10015E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99999E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13536E+00
 0.51050E+01 0.77062E-01
 0.57900E+01 0.40390E-01
 0.64750E+01 0.19449E-01
 0.71600E+01 0.85927E-02
 0.78450E+01 0.34813E-02
 0.85300E+01 0.12930E-02
 0.92150E+01 0.44203E-03
 0.99000E+01 0.13984E-03
 0.10585E+02 0.41816E-04
 0.11270E+02 0.12478E-04
 0.11955E+02 0.41992E-05
 0.12640E+02 0.19061E-05
 0.13325E+02 0.12569E-05
 0.14010E+02 0.10695E-05
 0.14695E+02 0.10170E-05
 0.15380E+02 0.10035E-05
 0.16065E+02 0.10005E-05
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.97382E+00
	0.30500E+00	0.93438E+00	
	0.61000E+00	0.86845E+00	
	0.91500E+00	0.80192E+00	
	0.12200E+01	0.73456E+00	
	0.15250E+01	0.66538E+00	
	0.18300E+01	0.59765E+00	
	0.21350E+01	0.52889E+00	
	0.24400E+01	0.46080E+00	
	0.27450E+01	0.39428E+00	
	0.30500E+01	0.33040E+00	
	0.37350E+01	0.21960E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.98085E+00
	0.30500E+00	0.93384E+00	
	0.61000E+00	0.86748E+00	
	0.91500E+00	0.80068E+00	
	0.12200E+01	0.73328E+00	
	0.15250E+01	0.66532E+00	
	0.18300E+01	0.59704E+00	
	0.21350E+01	0.52893E+00	
	0.24400E+01	0.46163E+00	
	0.27450E+01	0.39596E+00	
	0.30500E+01	0.33292E+00	
	0.37350E+01	0.22333E+00	

0.44200E+01 0.13941E+00
 0.51050E+01 0.80654E-01
 0.57900E+01 0.43104E-01
 0.64750E+01 0.21234E-01
 0.71600E+01 0.96286E-02
 0.78450E+01 0.40161E-02
 0.85300E+01 0.15410E-02
 0.92150E+01 0.54491E-03
 0.99000E+01 0.17857E-03
 0.10585E+02 0.55099E-04
 0.11270E+02 0.16694E-04
 0.11955E+02 0.54779E-05
 0.12640E+02 0.22945E-05
 0.13325E+02 0.13783E-05
 0.14010E+02 0.11077E-05
 0.14695E+02 0.10285E-05
 0.15380E+02 0.10066E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14333E+00
 0.51050E+01 0.84165E-01
 0.57900E+01 0.45802E-01
 0.64750E+01 0.23047E-01
 0.71600E+01 0.10707E-01
 0.78450E+01 0.45887E-02
 0.85300E+01 0.18142E-02
 0.92150E+01 0.66252E-03
 0.99000E+01 0.22448E-03
 0.10585E+02 0.71455E-04
 0.11270E+02 0.22078E-04
 0.11955E+02 0.71582E-05
 0.12640E+02 0.28136E-05
 0.13325E+02 0.15430E-05
 0.14010E+02 0.11607E-05
 0.14695E+02 0.10451E-05
 0.15380E+02 0.10115E-05
 0.16065E+02 0.10025E-05
 0.16750E+02 0.10004E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.98793E+00
	0.30500E+00	0.93340E+00	
	0.61000E+00	0.86567E+00	
	0.91500E+00	0.79966E+00	
	0.12200E+01	0.73226E+00	
	0.15250E+01	0.66450E+00	
	0.18300E+01	0.59644E+00	
	0.21350E+01	0.52912E+00	
	0.24400E+01	0.46255E+00	
	0.27450E+01	0.39766E+00	
	0.30500E+01	0.33539E+00	
	0.37350E+01	0.22693E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10105E+01
	0.30500E+00	0.93834E+00	
	0.61000E+00	0.87340E+00	
	0.91500E+00	0.80687E+00	
	0.12200E+01	0.73966E+00	
	0.15250E+01	0.67222E+00	
	0.18300E+01	0.60487E+00	
	0.21350E+01	0.53803E+00	
	0.24400E+01	0.47225E+00	
	0.27450E+01	0.40823E+00	
	0.30500E+01	0.34676E+00	
	0.37350E+01	0.23675E+00	

0.44200E+01 0.15209E+00
 0.51050E+01 0.91266E-01
 0.57900E+01 0.50961E-01
 0.64750E+01 0.2641E-01
 0.71600E+01 0.12689E-01
 0.78450E+01 0.56438E-02
 0.85300E+01 0.23236E-02
 0.92150E+01 0.88619E-03
 0.99000E+01 0.31404E-03
 0.10585E+02 0.10429E-03
 0.11270E+02 0.33185E-04
 0.11955E+02 0.10685E-04
 0.12640E+02 0.39006E-05
 0.13325E+02 0.18820E-05
 0.14010E+02 0.12695E-05
 0.14695E+02 0.10800E-05
 0.15380E+02 0.10222E-05
 0.16065E+02 0.10055E-05
 0.16750E+02 0.10012E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16580E+00
 0.51050E+01 0.10217E+00
 0.57900E+01 0.58870E-01
 0.64750E+01 0.31634E-01
 0.71600E+01 0.15824E-01
 0.78450E+01 0.73602E-02
 0.85300E+01 0.31814E-02
 0.92150E+01 0.12703E-02
 0.99000E+01 0.47828E-03
 0.10585E+02 0.16749E-03
 0.11270E+02 0.55640E-04
 0.11955E+02 0.18128E-04
 0.12640E+02 0.62540E-05
 0.13325E+02 0.26175E-05
 0.14010E+02 0.15039E-05
 0.14695E+02 0.11560E-05
 0.15380E+02 0.10466E-05
 0.16065E+02 0.10130E-05
 0.16750E+02 0.10033E-05
 0.17435E+02 0.10007E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.10477E+01
	0.30500E+00	0.39496E+00	
	0.61000E+00	0.89449E+00	
	0.91500E+00	0.82058E+00	
	0.12200E+01	0.75482E+00	
	0.15250E+01	0.68826E+00	
	0.18300E+01	0.62162E+00	
	0.21350E+01	0.55550E+00	
	0.24400E+01	0.49043E+00	
	0.27450E+01	0.42701E+00	
	0.30500E+01	0.36579E+00	
	0.37350E+01	0.25322E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.10989E+01
	0.30500E+00	0.95196E+00	
	0.61000E+00	0.89744E+00	
	0.91500E+00	0.83811E+00	
	0.12200E+01	0.77558E+00	
	0.15250E+01	0.71120E+00	
	0.18300E+01	0.64603E+00	
	0.21350E+01	0.58092E+00	
	0.24400E+01	0.51653E+00	
	0.27450E+01	0.45343E+00	
	0.30500E+01	0.39208E+00	
	0.37350E+01	0.27640E+00	

0.44200E+01 0.18514E+00
 0.51050E+01 0.11733E+00
 0.57900E+01 0.69980E-01
 0.64750E+01 0.39143E-01
 0.71600E+01 0.20485E-01
 0.78450E+01 0.10015E-01
 0.85300E+01 0.45705E-02
 0.92150E+01 0.19467E-02
 0.99000E+01 0.77439E-03
 0.10585E+02 0.28850E-03
 0.11270E+02 0.10139E-03
 0.11955E+02 0.34228E-04
 0.12640E+02 0.11595E-04
 0.13325E+02 0.43289E-05
 0.14010E+02 0.20508E-05
 0.14695E+02 0.13337E-05
 0.15380E+02 0.11047E-05
 0.16065E+02 0.10316E-05
 0.16750E+02 0.10090E-05
 0.17435E+02 0.10023E-05
 0.18120E+02 0.10005E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.21035E+00
 0.51050E+01 0.13733E+00
 0.57900E+01 0.84901E-01
 0.64750E+01 0.49519E-01
 0.71600E+01 0.27173E-01
 0.78450E+01 0.14003E-01
 0.85300E+01 0.67691E-02
 0.92150E+01 0.30666E-02
 0.99000E+01 0.13026E-02
 0.10585E+02 0.51931E-03
 0.11270E+02 0.19501E-03
 0.11955E+02 0.59591E-04
 0.12640E+02 0.24118E-04
 0.13325E+02 0.85446E-05
 0.14010E+02 0.34313E-05
 0.14695E+02 0.17851E-05
 0.15380E+02 0.12538E-05
 0.16065E+02 0.10808E-05
 0.16750E+02 0.10249E-05
 0.17435E+02 0.10072E-05
 0.18120E+02 0.10020E-05
 0.18805E+02 0.10005E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.11638E+01
	0.30500E+00	0.95876E+00	
	0.61000E+00	0.91077E+00	
	0.91500E+00	0.85722E+00	
	0.12200E+01	0.79944E+00	
	0.15250E+01	0.73872E+00	
	0.18300E+01	0.67620E+00	
	0.21350E+01	0.61288E+00	
	0.24400E+01	0.54956E+00	
	0.27450E+01	0.48690E+00	
	0.30500E+01	0.42536E+00	
	0.37350E+01	0.30635E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.12418E+01
	0.30500E+00	0.95506E+00	
	0.61000E+00	0.92350E+00	
	0.91500E+00	0.87635E+00	
	0.12200E+01	0.82428E+00	
	0.15250E+01	0.76840E+00	
	0.18300E+01	0.70976E+00	
	0.21350E+01	0.64932E+00	
	0.24400E+01	0.58792E+00	
	0.27450E+01	0.52629E+00	
	0.30500E+01	0.46493E+00	
	0.37350E+01	0.34301E+00	

0.44200E+01 0.24191E+00
 0.51050E+01 0.16287E+00
 0.57900E+01 0.10438E+00
 0.64750E+01 0.63480E-01
 0.71600E+01 0.36533E-01
 0.78450E+01 0.19853E-01
 0.85300E+01 0.10172E-01
 0.92150E+01 0.49085E-02
 0.99000E+01 0.22301E-02
 0.10585E+02 0.95418E-03
 0.11270E+02 0.38503E-03
 0.11955E+02 0.14711E-03
 0.12640E+02 0.53746E-04
 0.13325E+02 0.19224E-04
 0.14010E+02 0.71104E-05
 0.14695E+02 0.30214E-05
 0.15380E+02 0.16675E-05
 0.16065E+02 0.12198E-05
 0.16750E+02 0.10713E-05
 0.17435E+02 0.10224E-05
 0.18120E+02 0.10068E-05
 0.18805E+02 0.10019E-05
 0.19490E+02 0.10005E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.28003E+00
 0.51050E+01 0.19457E+00
 0.57900E+01 0.12924E+00
 0.64750E+01 0.81871E-01
 0.71600E+01 0.49351E-01
 0.78450E+01 0.28246E-01
 0.85300E+01 0.15323E-01
 0.92150E+01 0.78687E-02
 0.99000E+01 0.38220E-02
 0.10585E+02 0.17553E-02
 0.11270E+02 0.76250E-03
 0.11955E+02 0.31379E-03
 0.12640E+02 0.12283E-03
 0.13325E+02 0.46187E-04
 0.14010E+02 0.17082E-04
 0.14695E+02 0.65655E-05
 0.15380E+02 0.28898E-05
 0.16065E+02 0.16390E-05
 0.16750E+02 0.12148E-05
 0.17435E+02 0.10712E-05
 0.18120E+02 0.10230E-05
 0.18805E+02 0.10072E-05
 0.19490E+02 0.10021E-05
 0.20175E+02 0.10006E-05
 0.20860E+02 0.10002E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.13328E+01
	0.30500E+00	0.97073E+00	
	0.61000E+00	0.93545E+00	
	0.91500E+00	0.89452E+00	
	0.12200E+01	0.84855E+00	
	0.15250E+01	0.79826E+00	
	0.18300E+01	0.74445E+00	
	0.21350E+01	0.68796E+00	
	0.24400E+01	0.62954E+00	
	0.27450E+01	0.56988E+00	
	0.30500E+01	0.50953E+00	
	0.37350E+01	0.38595E+00	

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.14365E+01
	0.30500E+00	0.97572E+00	
	0.61000E+00	0.94606E+00	
	0.91500E+00	0.91114E+00	
	0.12200E+01	0.87126E+00	
	0.15250E+01	0.82687E+00	
	0.18300E+01	0.77851E+00	
	0.21350E+01	0.72678E+00	
	0.24400E+01	0.67302E+00	
	0.27450E+01	0.61567E+00	
	0.30500E+01	0.55739E+00	
	0.37350E+01	0.43415E+00	

0.44200E+01 0.32450E+00
 0.51050E+01 0.22283E+00
 0.57900E+01 0.16222E+00
 0.64750E+01 0.10560E+00
 0.71600E+01 0.66544E-01
 0.78450E+01 0.40017E-01
 0.85300E+01 0.22928E-01
 0.92150E+01 0.12498E-01
 0.99000E+01 0.64751E-02
 0.10585E+02 0.31859E-02
 0.11270E+02 0.14883E-02
 0.11955E+02 0.66035E-03
 0.12640E+02 0.27869E-03
 0.13325E+02 0.11231E-03
 0.14010E+02 0.43612E-04
 0.14695E+02 0.16679E-04
 0.15380E+02 0.65984E-05
 0.16065E+02 0.29621E-05
 0.16750E+02 0.16809E-05
 0.17435E+02 0.12344E-05
 0.18120E+02 0.10795E-05
 0.18805E+02 0.10264E-05
 0.19490E+02 0.10085E-05
 0.20175E+02 0.10026E-05
 0.20860E+02 0.10008E-05
 0.21545E+02 0.10002E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.37456E+00
 0.51050E+01 0.27762E+00
 0.57900E+01 0.19788E+00
 0.64750E+01 0.13553E+00
 0.71600E+01 0.89955E-01
 0.78450E+01 0.56142E-01
 0.85300E+01 0.33865E-01
 0.92150E+01 0.19528E-01
 0.99000E+01 0.10752E-01
 0.10585E+02 0.56483E-02
 0.11270E+02 0.28288E-02
 0.11955E+02 0.13504E-02
 0.12640E+02 0.61467E-03
 0.13325E+02 0.26710E-03
 0.14010E+02 0.11118E-03
 0.14695E+02 0.44822E-04
 0.15380E+02 0.17666E-04
 0.16065E+02 0.71660E-05
 0.16750E+02 0.32329E-05
 0.17435E+02 0.17978E-05
 0.18120E+02 0.12820E-05
 0.18805E+02 0.10983E-05
 0.19490E+02 0.10336E-05
 0.20175E+02 0.10112E-05
 0.20860E+02 0.10036E-05
 0.21545E+02 0.10011E-05
 0.22230E+02 0.10003E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.15528E+01
	0.30500E+00	0.98003E+00	
	0.61000E+00	0.95536E+00	
	0.91500E+00	0.92594E+00	
	0.12200E+01	0.89186E+00	
	0.15250E+01	0.85331E+00	
	0.18300E+01	0.81062E+00	
	0.21350E+01	0.76417E+00	
	0.24400E+01	0.71438E+00	
	0.27450E+01	0.66171E+00	
	0.30500E+01	0.60656E+00	
	0.37350E+01	0.48612E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.16818E+01
	0.30500E+00	0.98369E+00	
	0.61000E+00	0.96336E+00	
	0.91500E+00	0.93885E+00	
	0.12200E+01	0.91008E+00	
	0.15250E+01	0.87709E+00	
	0.18300E+01	0.84001E+00	
	0.21350E+01	0.79902E+00	
	0.24400E+01	0.75438E+00	
	0.27450E+01	0.70635E+00	
	0.30500E+01	0.65522E+00	
	0.37350E+01	0.54003E+00	

0.44200E+01 0.42891E+00
 0.51050E+01 0.32837E+00
 0.57900E+01 0.24231E+00
 0.64750E+01 0.17228E+00
 0.71600E+01 0.11732E+00
 0.78450E+01 0.7768E-01
 0.85300E+01 0.49159E-01
 0.92150E+01 0.29872E-01
 0.99000E+01 0.17409E-01
 0.10585E+02 0.97215E-02
 0.11270E+02 0.51976E-02
 0.11955E+02 0.26591E-02
 0.12640E+02 0.13015E-02
 0.13325E+02 0.60953E-03
 0.14010E+02 0.27343E-03
 0.14695E+02 0.11782E-03
 0.15380E+02 0.49076E-04
 0.16065E+02 0.20062E-04
 0.16750E+02 0.83247E-05
 0.17435E+02 0.37483E-05
 0.18120E+02 0.20141E-05
 0.18805E+02 0.13693E-05
 0.19490E+02 0.11326E-05
 0.20175E+02 0.10467E-05
 0.20860E+02 0.10161E-05
 0.21545E+02 0.10054E-05
 0.22230E+02 0.10018E-05
 0.22915E+02 0.10005E-05
 0.23600E+02 0.10002E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.48584E+00
 0.51050E+01 0.38391E+00
 0.57900E+01 0.29306E+00
 0.64750E+01 0.21604E+00
 0.71600E+01 0.15375E+00
 0.78450E+01 0.10558E+00
 0.85300E+01 0.69912E-01
 0.92150E+01 0.44605E-01
 0.99000E+01 0.27398E-01
 0.10585E+02 0.16189E-01
 0.11270E+02 0.91955E-02
 0.11955E+02 0.50174E-02
 0.12640E+02 0.26286E-02
 0.13325E+02 0.13219E-02
 0.14010E+02 0.63824E-03
 0.14695E+02 0.29606E-03
 0.15380E+02 0.13222E-03
 0.16065E+02 0.57140E-04
 0.16750E+02 0.24168E-04
 0.17435E+02 0.10264E-04
 0.18120E+02 0.46102E-05
 0.18805E+02 0.23799E-05
 0.19490E+02 0.15194E-05
 0.20175E+02 0.11926E-05
 0.20860E+02 0.10702E-05
 0.21545E+02 0.10250E-05
 0.22230E+02 0.10087E-05
 0.22915E+02 0.10030E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.18234E+01
	0.3050E+00	0.98677E+00	
	0.6100E+00	0.97015E+00	
	0.9150E+00	0.94911E+00	
	0.1220E+01	0.92590E+00	
	0.15250E+01	0.89803E+00	
	0.18300E+01	0.86627E+00	
	0.21350E+01	0.83067E+00	
	0.24400E+01	0.79132E+00	
	0.27450E+01	0.74833E+00	
	0.30500E+01	0.70187E+00	
	0.37350E+01	0.59405E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19776E+01
	0.3050E+00	0.98934E+00	
	0.6100E+00	0.97585E+00	
	0.9150E+00	0.95928E+00	
	0.1220E+01	0.93930E+00	
	0.15250E+01	0.91614E+00	
	0.18300E+01	0.88929E+00	
	0.21350E+01	0.85881E+00	
	0.24400E+01	0.82466E+00	
	0.27450E+01	0.78684E+00	
	0.30500E+01	0.74538E+00	
	0.37350E+01	0.64653E+00	

0.44200E+01 0.54353E+00
 0.51050E+01 0.44265E+00
 0.57900E+01 0.34907E+00
 0.64750E+01 0.26646E+00
 0.71600E+01 0.19682E+00
 0.78450E+01 0.14063E+00
 0.85300E+01 0.97158E-01
 0.92150E+01 0.64872E-01
 0.99000E+01 0.41837E-01
 0.10585E+02 0.26044E-01
 0.11270E+02 0.15641E-01
 0.11955E+02 0.90554E-02
 0.12640E+02 0.50519E-02
 0.13325E+02 0.27145E-02
 0.14010E+02 0.14045E-02
 0.14695E+02 0.69981E-03
 0.15380E+02 0.33594E-03
 0.16065E+02 0.15561E-03
 0.16750E+02 0.69810E-04
 0.17435E+02 0.30581E-04
 0.18120E+02 0.13324E-04
 0.18805E+02 0.59978E-05
 0.19490E+02 0.29835E-05
 0.20175E+02 0.17738E-05
 0.20860E+02 0.12970E-05
 0.21545E+02 0.11121E-05
 0.22230E+02 0.10415E-05
 0.22915E+02 0.10150E-05
 0.23600E+02 0.10053E-05
 0.24285E+02 0.10018E-05
 0.24970E+02 0.10006E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.60023E+00
 0.51050E+01 0.50278E+00
 0.57900E+01 0.40884E+00
 0.64750E+01 0.32257E+00
 0.71600E+01 0.24683E+00
 0.78450E+01 0.18313E+00
 0.85300E+01 0.13168E+00
 0.92150E+01 0.91748E-01
 0.99000E+01 0.61912E-01
 0.10585E+02 0.40445E-01
 0.11270E+02 0.25567E-01
 0.11955E+02 0.15631E-01
 0.12640E+02 0.92378E-02
 0.13325E+02 0.52755E-02
 0.14010E+02 0.29100E-02
 0.14695E+02 0.15501E-02
 0.15380E+02 0.79736E-03
 0.16065E+02 0.39619E-03
 0.16750E+02 0.19036E-03
 0.17435E+02 0.88672E-04
 0.18120E+02 0.40271E-04
 0.18805E+02 0.18056E-04
 0.19490E+02 0.82073E-05
 0.20175E+02 0.39755E-05
 0.20860E+02 0.22051E-05
 0.21545E+02 0.14800E-05
 0.22230E+02 0.11880E-05
 0.22915E+02 0.10723E-05
 0.23600E+02 0.10272E-05
 0.24285E+02 0.10100E-05
 0.24970E+02 0.10036E-05
 0.25655E+02 0.10013E-05
 0.26340E+02 0.10004E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.21445E+01
	0.3050E+00	0.99145E+00	
	0.6100E+00	0.98058E+00	
	0.9150E+00	0.96712E+00	
	0.1220E+01	0.95086E+00	
	0.15250E+01	0.93160E+00	
	0.18300E+01	0.90915E+00	
	0.21350E+01	0.88338E+00	
	0.24400E+01	0.85416E+00	
	0.27450E+01	0.82141E+00	
	0.30500E+01	0.78505E+00	
	0.37350E+01	0.69614E+00	

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.10000E+01	0.23242E+01
	0.3050E+00	0.99319E+00	
	0.6100E+00	0.98447E+00	
	0.9150E+00	0.97352E+00	
	0.1220E+01	0.96041E+00	
	0.15250E+01	0.94452E+00	
	0.18300E+01	0.92605E+00	
	0.21350E+01	0.90452E+00	
	0.24400E+01	0.87985E+00	
	0.27450E+01	0.85188E+00	
	0.30500E+01	0.82048E+00	
	0.37350E+01	0.74194E+00	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	1.0000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

8	0.1500E+02	0.1600E+02	0.3780E-01	0.4500E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.4500E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.4500E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.4500E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.4500E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.4500E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.4500E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.4500E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.4500E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.4500E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.4500E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.4500E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.4500E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.4500E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.4500E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.4500E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.4500E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.4500E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.4500E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.4500E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.4500E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.4500E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.4500E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.4500E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.4500E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.4500E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.4500E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.4500E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.4500E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.4500E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
	0.3050E+00	0.10795E+00	
	0.6100E+00	0.12045E-02	
	0.9150E+00	0.14179E-05	
	0.1220E+01	0.12828E-09	
	0.1525E+01	0.37175E-13	
	0.1830E+01	0.10920E-14	
	0.2135E+01	0.16809E-16	
	0.2440E+01	0.12487E-18	
	0.2745E+01	0.41716E-21	
	0.3050E+01	0.53853E-24	
	0.3735E+01	0.76564E-31	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.4500E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.4500E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.4500E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.4500E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.4500E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.4500E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.4500E+00	

0.44200E+01	0.10473E-35
0.51050E+01	0.12729E-41
0.57900E+01	0.42328E-48
0.64750E+01	0.00000E+00
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

0.44200E+01	0.13087E-20
0.51050E+01	0.87065E-15
0.57900E+01	0.12020E-08
0.64750E+01	0.48015E-06
0.71600E+01	0.99834E-06
0.78450E+01	0.10000E-05
0.85300E+01	0.10000E-05
0.92150E+01	0.10000E-05
0.99000E+01	0.10000E-05
0.10585E+02	0.10000E-05
0.11270E+02	0.10000E-05
0.11955E+02	0.10000E-05
0.12640E+02	0.10000E-05
0.13325E+02	0.10000E-05
0.14010E+02	0.10000E-05
0.14695E+02	0.10000E-05
0.15380E+02	0.10000E-05
0.16065E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17435E+02	0.10000E-05
0.18120E+02	0.10000E-05
0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.10000E+01	0.95972E-01
	0.3050E+00	0.31967E+00	
	0.6100E+00	0.44192E-01	
	0.9150E+00	0.25481E-02	
	0.1220E+01	0.57886E-04	
	0.1525E+01	0.50171E-06	
	0.1830E+01	0.16179E-08	
	0.2135E+01	0.19580E-11	
	0.2440E+01	0.28311E-14	
	0.2745E+01	0.98186E-16	
	0.3050E+01	0.31942E-17	
	0.3735E+01	0.29432E-21	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.13894E+00
	0.3050E+00	0.49472E+00	
	0.6100E+00	0.15494E+00	
	0.9150E+00	0.30111E-01	
	0.1220E+01	0.35538E-02	
	0.1525E+01	0.25052E-03	
	0.1830E+01	0.10431E-04	
	0.2135E+01	0.25423E-06	
	0.2440E+01	0.36024E-08	
	0.2745E+01	0.29541E-10	
	0.3050E+01	0.13518E-12	
	0.3735E+01	0.60345E-17	

0.44200E+01 0.43517E-15
 0.51050E+01 0.13785E-10
 0.57900E+01 0.97262E-08
 0.64750E+01 0.34712E-06
 0.71600E+01 0.85584E-06
 0.78450E+01 0.99912E-06
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.45243E-12
 0.51050E+01 0.26525E-09
 0.57900E+01 0.21023E-07
 0.64750E+01 0.27562E-06
 0.71600E+01 0.75855E-06
 0.78450E+01 0.97283E-06
 0.85300E+01 0.99932E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.18501E+00
	0.30500E+00	0.62359E+00	
	0.61000E+00	0.29231E+00	
	0.91500E+00	0.10147E+00	
	0.12200E+01	0.25733E-01	
	0.15250E+01	0.47163E-02	
	0.18300E+01	0.62036E-03	
	0.21350E+01	0.58253E-04	
	0.24400E+01	0.38886E-05	
	0.27450E+01	0.18391E-06	
	0.30500E+01	0.58663E-08	
	0.37350E+01	0.51755E-12	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.00000E+00	0.10000E+01	0.23499E+00
	0.30500E+00	0.71754E+00	
	0.61000E+00	0.42492E+00	
	0.91500E+00	0.20514E+00	
	0.12200E+01	0.79910E-01	
	0.15250E+01	0.24911E-01	
	0.18300E+01	0.61801E-02	
	0.21350E+01	0.12132E-02	
	0.24400E+01	0.18882E-03	
	0.27450E+01	0.23121E-04	
	0.30500E+01	0.21319E-05	
	0.37350E+01	0.32568E-08	

0.44200E+01 0.12870E-10
 0.51050E+01 0.11290E-08
 0.57900E+01 0.30000E-07
 0.64750E+01 0.23489E-06
 0.71600E+01 0.64382E-06
 0.78450E+01 0.91910E-06
 0.85300E+01 0.99198E-06
 0.92150E+01 0.99975E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14762E-03
 0.51050E+01 0.66843E-05
 0.57900E+01 0.23359E-06
 0.64750E+01 0.16879E-06
 0.71600E+01 0.38704E-06
 0.78450E+01 0.65166E-06
 0.85300E+01 0.85519E-06
 0.92150E+01 0.95737E-06
 0.99000E+01 0.99128E-06
 0.10585E+02 0.99878E-06
 0.11270E+02 0.99989E-06
 0.11955E+02 0.99999E-06
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.47607E+00
	0.30500E+00	0.90513E+00	
	0.61000E+00	0.77233E+00	
	0.91500E+00	0.62819E+00	
	0.12200E+01	0.47490E+00	
	0.15250E+01	0.33417E+00	
	0.18300E+01	0.21806E+00	
	0.21350E+01	0.13160E+00	
	0.24400E+01	0.73255E-01	
	0.27450E+01	0.37429E-01	
	0.30500E+01	0.17054E-01	
	0.37350E+01	0.20140E-02	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.68653E+00
	0.30500E+00	0.95144E+00	
	0.61000E+00	0.88261E+00	
	0.91500E+00	0.79475E+00	
	0.12200E+01	0.69191E+00	
	0.15250E+01	0.58040E+00	
	0.18300E+01	0.46769E+00	
	0.21350E+01	0.36103E+00	
	0.24400E+01	0.26615E+00	
	0.27450E+01	0.18629E+00	
	0.30500E+01	0.12173E+00	
	0.37350E+01	0.38020E-01	

0.44200E+01 0.8919E-02
 0.51050E+01 0.15627E-02
 0.57900E+01 0.2040E-03
 0.64750E+01 0.20112E-04
 0.71600E+01 0.17435E-05
 0.78450E+01 0.55392E-06
 0.85300E+01 0.67924E-06
 0.92150E+01 0.83736E-06
 0.99000E+01 0.93431E-06
 0.10585E+02 0.97888E-06
 0.11270E+02 0.99463E-06
 0.11955E+02 0.99893E-06
 0.12640E+02 0.99983E-06
 0.13325E+02 0.99991E-06
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13825E-01
 0.51050E+01 0.28232E-02
 0.57900E+01 0.44226E-03
 0.64750E+01 0.52886E-04
 0.71600E+01 0.52395E-05
 0.78450E+01 0.89439E-06
 0.85300E+01 0.67279E-06
 0.92150E+01 0.80565E-06
 0.99000E+01 0.91262E-06
 0.10585E+02 0.96820E-06
 0.11270E+02 0.99062E-06
 0.11955E+02 0.99777E-06
 0.12640E+02 0.99957E-06
 0.13325E+02 0.99993E-06
 0.14010E+02 0.99999E-06
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.1000E+01	0.72730E+00
	0.3050E+00	0.95576E+00	
	0.6100E+00	0.89340E+00	
	0.9150E+00	0.81361E+00	
	0.1220E+01	0.71909E+00	
	0.1525E+01	0.61472E+00	
	0.1830E+01	0.50678E+00	
	0.2135E+01	0.40181E+00	
	0.2440E+01	0.30538E+00	
	0.2745E+01	0.22109E+00	
	0.3050E+01	0.14995E+00	
	0.3735E+01	0.51645E-01	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.1000E+01	0.76781E+00
	0.3050E+00	0.95981E+00	
	0.6100E+00	0.90310E+00	
	0.9150E+00	0.83025E+00	
	0.1220E+01	0.74316E+00	
	0.1525E+01	0.64557E+00	
	0.1830E+01	0.54267E+00	
	0.2135E+01	0.44019E+00	
	0.2440E+01	0.34337E+00	
	0.2745E+01	0.25594E+00	
	0.3050E+01	0.17944E+00	
	0.3735E+01	0.67453E-01	

0.44200E+01 0.20141E-01
 0.51050E+01 0.47166E-02
 0.57900E+01 0.85893E-03
 0.64750E+01 0.12176E-03
 0.71600E+01 0.13999E-04
 0.78450E+01 0.18555E-05
 0.85300E+01 0.76511E-06
 0.92150E+01 0.78538E-06
 0.99000E+01 0.88988E-06
 0.10585E+02 0.95535E-06
 0.11270E+02 0.98511E-06
 0.11955E+02 0.99591E-06
 0.12640E+02 0.99980E-06
 0.13325E+02 0.99983E-06
 0.14010E+02 0.99997E-06
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.25453E-01
 0.51050E+01 0.64945E-02
 0.57900E+01 0.13082E-02
 0.64750E+01 0.20773E-03
 0.71600E+01 0.26745E-04
 0.78450E+01 0.34693E-05
 0.85300E+01 0.98234E-06
 0.92150E+01 0.79716E-06
 0.99000E+01 0.87470E-06
 0.10585E+02 0.94426E-06
 0.11270E+02 0.97971E-06
 0.11955E+02 0.99384E-06
 0.12640E+02 0.99844E-06
 0.13325E+02 0.99967E-06
 0.14010E+02 0.99994E-06
 0.14695E+02 0.99999E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.1000E+01	0.79498E+00
	0.3050E+00	0.96108E+00	
	0.6100E+00	0.90746E+00	
	0.9150E+00	0.83883E+00	
	0.1220E+01	0.75646E+00	
	0.1525E+01	0.66346E+00	
	0.1830E+01	0.56433E+00	
	0.2135E+01	0.46420E+00	
	0.2440E+01	0.36792E+00	
	0.2745E+01	0.27910E+00	
	0.3050E+01	0.19941E+00	
	0.3735E+01	0.79433E-01	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.1000E+01	0.80898E+00
	0.3050E+00	0.96009E+00	
	0.6100E+00	0.90745E+00	
	0.9150E+00	0.84075E+00	
	0.1220E+01	0.76084E+00	
	0.1525E+01	0.67045E+00	
	0.1830E+01	0.57369E+00	
	0.2135E+01	0.47529E+00	
	0.2440E+01	0.37978E+00	
	0.2745E+01	0.29055E+00	
	0.3050E+01	0.20915E+00	
	0.3735E+01	0.86235E-01	

0.44200E+01 0.28799E-01
 0.51050E+01 0.77264E-02
 0.57900E+01 0.16523E-02
 0.64750E+01 0.28106E-03
 0.71600E+01 0.38965E-04
 0.78450E+01 0.52223E-05
 0.85300E+01 0.12565E-05
 0.92150E+01 0.83719E-06
 0.99000E+01 0.86984E-06
 0.10585E+02 0.93656E-06
 0.11270E+02 0.97536E-06
 0.11955E+02 0.99199E-06
 0.12640E+02 0.99781E-06
 0.13325E+02 0.99949E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29689E-01
 0.51050E+01 0.81350E-02
 0.57900E+01 0.17856E-02
 0.64750E+01 0.31351E-03
 0.71600E+01 0.45183E-04
 0.78450E+01 0.62925E-05
 0.85300E+01 0.14631E-05
 0.92150E+01 0.88114E-06
 0.99000E+01 0.87338E-06
 0.10585E+02 0.93324E-06
 0.11270E+02 0.97284E-06
 0.11955E+02 0.99078E-06
 0.12640E+02 0.99735E-06
 0.13325E+02 0.99935E-06
 0.14010E+02 0.99987E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.80984E+00
	0.3050E+00	0.9565E+00	
	0.6100E+00	0.9032E+00	
	0.9150E+00	0.8365E+00	
	0.1220E+01	0.7571E+00	
	0.1523E+01	0.6675E+00	
	0.1830E+01	0.5718E+00	
	0.2135E+01	0.4744E+00	
	0.2440E+01	0.3796E+00	
	0.2745E+01	0.2905E+00	
	0.3050E+01	0.2082E+00	
	0.3735E+01	0.8742E-01	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.81485E+00
	0.3050E+00	0.9482E+00	
	0.6100E+00	0.8906E+00	
	0.9150E+00	0.8236E+00	
	0.1220E+01	0.7463E+00	
	0.1525E+01	0.6602E+00	
	0.1830E+01	0.5686E+00	
	0.2135E+01	0.4750E+00	
	0.2440E+01	0.3839E+00	
	0.2745E+01	0.2958E+00	
	0.3050E+01	0.2161E+00	
	0.3735E+01	0.9770E-01	

0.44200E+01 0.35993E-01
 0.51050E+01 0.10876E-01
 0.57900E+01 0.26183E-02
 0.64750E+01 0.54177E-03
 0.71600E+01 0.90243E-04
 0.78450E+01 0.13457E-04
 0.85300E+01 0.24976E-05
 0.92150E+01 0.10497E-05
 0.99000E+01 0.89678E-06
 0.10585E+02 0.92871E-06
 0.11270E+02 0.96696E-06
 0.11955E+02 0.98758E-06
 0.12640E+02 0.99604E-06
 0.13325E+02 0.99891E-06
 0.14010E+02 0.99974E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.42296E-01
 0.51050E+01 0.13909E-01
 0.57900E+01 0.37977E-02
 0.64750E+01 0.96616E-03
 0.71600E+01 0.16264E-03
 0.78450E+01 0.26789E-04
 0.85300E+01 0.46344E-05
 0.92150E+01 0.13995E-05
 0.99000E+01 0.95557E-06
 0.10585E+02 0.93250E-06
 0.11270E+02 0.96246E-06
 0.11955E+02 0.98423E-06
 0.12640E+02 0.99446E-06
 0.13325E+02 0.99832E-06
 0.14010E+02 0.99956E-06
 0.14695E+02 0.99990E-06
 0.15380E+02 0.99998E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.82062E+00
	0.3050E+00	0.9427E+00	
	0.6100E+00	0.8815E+00	
	0.9150E+00	0.8133E+00	
	0.1220E+01	0.7370E+00	
	0.1525E+01	0.6536E+00	
	0.1830E+01	0.5652E+00	
	0.2135E+01	0.4750E+00	
	0.2440E+01	0.3860E+00	
	0.2745E+01	0.3013E+00	
	0.3050E+01	0.2237E+00	
	0.3735E+01	0.1067E-01	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.82690E+00
	0.3050E+00	0.9388E+00	
	0.6100E+00	0.8746E+00	
	0.9150E+00	0.8051E+00	
	0.1220E+01	0.7293E+00	
	0.1525E+01	0.6478E+00	
	0.1830E+01	0.5522E+00	
	0.2135E+01	0.4748E+00	
	0.2440E+01	0.3887E+00	
	0.2745E+01	0.3065E+00	
	0.3050E+01	0.2309E+00	
	0.3735E+01	0.1151E-01	

0.44200E+01 0.48459E-01
 0.51050E+01 0.17160E-01
 0.57900E+01 0.51093E-02
 0.64750E+01 0.12783E-02
 0.71600E+01 0.26992E-03
 0.78450E+01 0.49276E-04
 0.85300E+01 0.86588E-05
 0.92150E+01 0.20897E-05
 0.99000E+01 0.10802E-05
 0.10585E+02 0.95082E-06
 0.11270E+02 0.96099E-06
 0.11955E+02 0.98115E-06
 0.12640E+02 0.99268E-06
 0.13325E+02 0.99757E-06
 0.14010E+02 0.99930E-06
 0.14695E+02 0.99982E-06
 0.15380E+02 0.99996E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.54452E-01
 0.51050E+01 0.20563E-01
 0.57900E+01 0.66022E-02
 0.64750E+01 0.18019E-02
 0.71600E+01 0.41912E-03
 0.78450E+01 0.84222E-04
 0.85300E+01 0.15643E-04
 0.92150E+01 0.33683E-05
 0.99000E+01 0.13216E-05
 0.10585E+02 0.99494E-06
 0.11270E+02 0.96527E-06
 0.11955E+02 0.97906E-06
 0.12640E+02 0.99087E-06
 0.13325E+02 0.99688E-06
 0.14010E+02 0.99895E-06
 0.14695E+02 0.99971E-06
 0.15380E+02 0.99993E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.83356E+00
	0.3050E+00	0.93573E+00	
	0.6100E+00	0.86919E+00	
	0.9150E+00	0.79860E+00	
	0.1220E+01	0.72310E+00	
	0.1525E+01	0.64296E+00	
	0.1830E+01	0.55950E+00	
	0.2135E+01	0.47477E+00	
	0.2440E+01	0.39120E+00	
	0.2745E+01	0.31129E+00	
	0.3050E+01	0.23748E+00	
	0.3735E+01	0.12297E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.84053E+00
	0.3050E+00	0.93332E+00	
	0.6100E+00	0.86491E+00	
	0.9150E+00	0.79335E+00	
	0.1220E+01	0.71796E+00	
	0.1525E+01	0.63892E+00	
	0.1830E+01	0.55728E+00	
	0.2135E+01	0.47478E+00	
	0.2440E+01	0.39350E+00	
	0.2745E+01	0.31569E+00	
	0.3050E+01	0.24355E+00	
	0.3735E+01	0.13011E+00	

0.44200E+01 0.60267E-01
 0.51050E+01 0.24068E-01
 0.57900E+01 0.82584E-02
 0.64750E+01 0.24327E-02
 0.71600E+01 0.61628E-03
 0.78450E+01 0.13554E-03
 0.85300E+01 0.26992E-04
 0.92150E+01 0.55963E-05
 0.99000E+01 0.17589E-05
 0.10585E+02 0.10830E-05
 0.11270E+02 0.97984E-06
 0.11955E+02 0.97910E-06
 0.12640E+02 0.98931E-06
 0.13325E+02 0.99570E-06
 0.14010E+02 0.99852E-06
 0.14695E+02 0.99955E-06
 0.15380E+02 0.99988E-06
 0.16065E+02 0.99997E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.65902E-01
 0.51050E+01 0.27636E-01
 0.57900E+01 0.10055E-01
 0.64750E+01 0.31694E-02
 0.71600E+01 0.86618E-03
 0.78450E+01 0.20656E-03
 0.85300E+01 0.44102E-04
 0.92150E+01 0.92625E-05
 0.99000E+01 0.25106E-05
 0.10585E+02 0.12427E-05
 0.11270E+02 0.10119E-05
 0.11955E+02 0.98318E-06
 0.12640E+02 0.98847E-06
 0.13325E+02 0.99473E-06
 0.14010E+02 0.99801E-06
 0.14695E+02 0.99935E-06
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99995E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.84773E+00
	0.3050E+00	0.93140E+00	
	0.6100E+00	0.86147E+00	
	0.9150E+00	0.78912E+00	
	0.1220E+01	0.71379E+00	
	0.1525E+01	0.63563E+00	
	0.1830E+01	0.55552E+00	
	0.2135E+01	0.47494E+00	
	0.2440E+01	0.39571E+00	
	0.2745E+01	0.31978E+00	
	0.3050E+01	0.24917E+00	
	0.3735E+01	0.13690E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.85513E+00
	0.3050E+00	0.92985E+00	
	0.6100E+00	0.85871E+00	
	0.9150E+00	0.78571E+00	
	0.1220E+01	0.71043E+00	
	0.1525E+01	0.63301E+00	
	0.1830E+01	0.55421E+00	
	0.2135E+01	0.47529E+00	
	0.2440E+01	0.39785E+00	
	0.2745E+01	0.32361E+00	
	0.3050E+01	0.25440E+00	
	0.3735E+01	0.14329E+00	

0.44200E+01 0.71357E-01
 0.51050E+01 0.31240E-01
 0.57900E+01 0.11972E-01
 0.64750E+01 0.40079E-02
 0.71600E+01 0.11722E-02
 0.78450E+01 0.30080E-03
 0.85300E+01 0.68901E-04
 0.92150E+01 0.14987E-04
 0.99000E+01 0.37453E-05
 0.10585E+02 0.15144E-05
 0.11270E+02 0.10720E-05
 0.11955E+02 0.99427E-06
 0.12640E+02 0.98916E-06
 0.13325E+02 0.99398E-06
 0.14010E+02 0.99748E-06
 0.14695E+02 0.99910E-06
 0.15380E+02 0.99972E-06
 0.16065E+02 0.99922E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.76634E-01
 0.51050E+01 0.34857E-01
 0.57900E+01 0.13990E-01
 0.64750E+01 0.49427E-02
 0.71600E+01 0.15364E-02
 0.78450E+01 0.42135E-03
 0.85300E+01 0.10316E-03
 0.92150E+01 0.23511E-04
 0.99000E+01 0.56900E-05
 0.10585E+02 0.19560E-05
 0.11270E+02 0.11753E-05
 0.11955E+02 0.10168E-05
 0.12640E+02 0.99261E-06
 0.13325E+02 0.99377E-06
 0.14010E+02 0.99698E-06
 0.14695E+02 0.99882E-06
 0.15380E+02 0.99960E-06
 0.16065E+02 0.99988E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.86268E+00
	0.30500E+00	0.92861E+00	
	0.61000E+00	0.85648E+00	
	0.91500E+00	0.78297E+00	
	0.12200E+01	0.70775E+00	
	0.15250E+01	0.63097E+00	
	0.18300E+01	0.55229E+00	
	0.21350E+01	0.47582E+00	
	0.24400E+01	0.39996E+00	
	0.27450E+01	0.32724E+00	
	0.30500E+01	0.25931E+00	
	0.37350E+01	0.14932E+00	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.87035E+00
	0.30500E+00	0.92761E+00	
	0.61000E+00	0.85470E+00	
	0.91500E+00	0.78079E+00	
	0.12200E+01	0.70564E+00	
	0.15250E+01	0.62942E+00	
	0.18300E+01	0.55273E+00	
	0.21350E+01	0.47654E+00	
	0.24400E+01	0.40208E+00	
	0.27450E+01	0.33072E+00	
	0.30500E+01	0.26394E+00	
	0.37350E+01	0.15503E+00	

0.44200E+01 0.81739E-01
 0.51050E+01 0.38471E-01
 0.57900E+01 0.16093E-01
 0.64750E+01 0.59675E-02
 0.71600E+01 0.19597E-02
 0.78450E+01 0.57087E-03
 0.85300E+01 0.14875E-03
 0.92150E+01 0.35682E-04
 0.99000E+01 0.86346E-05
 0.10585E+02 0.26476E-05
 0.11270E+02 0.13431E-05
 0.11955E+02 0.10568E-05
 0.12640E+02 0.10007E-05
 0.13325E+02 0.99462E-06
 0.14010E+02 0.99666E-06
 0.14695E+02 0.99853E-06
 0.15380E+02 0.99946E-06
 0.16065E+02 0.99982E-06
 0.16750E+02 0.99995E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.86677E-01
 0.51050E+01 0.42068E-01
 0.57900E+01 0.18266E-01
 0.64750E+01 0.70754E-02
 0.71600E+01 0.24419E-02
 0.78450E+01 0.75152E-03
 0.85300E+01 0.20747E-03
 0.92150E+01 0.52429E-04
 0.99000E+01 0.12933E-04
 0.10585E+02 0.36965E-05
 0.11270E+02 0.16042E-05
 0.11955E+02 0.11229E-05
 0.12640E+02 0.10161E-05
 0.13325E+02 0.99733E-06
 0.14010E+02 0.99672E-06
 0.14695E+02 0.99829E-06
 0.15380E+02 0.99930E-06
 0.16065E+02 0.99975E-06
 0.16750E+02 0.99992E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.87811E+00
	0.30500E+00	0.92682E+00	
	0.61000E+00	0.85328E+00	
	0.91500E+00	0.77907E+00	
	0.12200E+01	0.70402E+00	
	0.15250E+01	0.62831E+00	
	0.18300E+01	0.55248E+00	
	0.21350E+01	0.47742E+00	
	0.24400E+01	0.40420E+00	
	0.27450E+01	0.33406E+00	
	0.30500E+01	0.26834E+00	
	0.37350E+01	0.16046E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.88596E+00
	0.30500E+00	0.92619E+00	
	0.61000E+00	0.85217E+00	
	0.91500E+00	0.77774E+00	
	0.12200E+01	0.70280E+00	
	0.15250E+01	0.62756E+00	
	0.18300E+01	0.55252E+00	
	0.21350E+01	0.47845E+00	
	0.24400E+01	0.40635E+00	
	0.27450E+01	0.33730E+00	
	0.30500E+01	0.27254E+00	
	0.37350E+01	0.16564E+00	

0.44200E+01 0.91457E-01
 0.51050E+01 0.45639E-01
 0.57900E+01 0.20495E-01
 0.64750E+01 0.82593E-02
 0.71600E+01 0.29821E-02
 0.78450E+01 0.96499E-03
 0.85300E+01 0.28101E-03
 0.92150E+01 0.74730E-04
 0.99000E+01 0.18997E-04
 0.10585E+02 0.52402E-05
 0.11270E+02 0.19977E-05
 0.11955E+02 0.12264E-05
 0.12640E+02 0.10424E-05
 0.13325E+02 0.10030E-05
 0.14010E+02 0.99751E-06
 0.14695E+02 0.99818E-06
 0.15380E+02 0.99915E-06
 0.16065E+02 0.99967E-06
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.96088E-01
 0.51050E+01 0.49175E-01
 0.57900E+01 0.22771E-01
 0.64750E+01 0.95123E-02
 0.71600E+01 0.35788E-02
 0.78450E+01 0.12125E-02
 0.85300E+01 0.37095E-03
 0.92150E+01 0.10359E-03
 0.99000E+01 0.27294E-04
 0.10585E+02 0.74484E-05
 0.11270E+02 0.25754E-05
 0.11955E+02 0.13822E-05
 0.12640E+02 0.10844E-05
 0.13325E+02 0.10134E-05
 0.14010E+02 0.99953E-06
 0.14695E+02 0.99834E-06
 0.15380E+02 0.99904E-06
 0.16065E+02 0.99959E-06
 0.16750E+02 0.99985E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.89387E+00
	0.30500E+00	0.92569E+00	
	0.61000E+00	0.85131E+00	
	0.91500E+00	0.77673E+00	
	0.12200E+01	0.70194E+00	
	0.15250E+01	0.62713E+00	
	0.18300E+01	0.55279E+00	
	0.21350E+01	0.47962E+00	
	0.24400E+01	0.40852E+00	
	0.27450E+01	0.34046E+00	
	0.30500E+01	0.27657E+00	
	0.37350E+01	0.17059E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.91603E+00
	0.30500E+00	0.93153E+00	
	0.61000E+00	0.85911E+00	
	0.91500E+00	0.78506E+00	
	0.12200E+01	0.71056E+00	
	0.15250E+01	0.63621E+00	
	0.18300E+01	0.56251E+00	
	0.21350E+01	0.49009E+00	
	0.24400E+01	0.41974E+00	
	0.27450E+01	0.35229E+00	
	0.30500E+01	0.28861E+00	
	0.37350E+01	0.18077E+00	

0.44200E+01 0.10438E+00
 0.51050E+01 0.55106E-01
 0.57900E+01 0.26478E-01
 0.64750E+01 0.11544E-01
 0.71600E+01 0.45585E-02
 0.78450E+01 0.16292E-02
 0.85300E+01 0.52786E-03
 0.92150E+01 0.15613E-03
 0.99000E+01 0.43081E-04
 0.10585E+02 0.11798E-04
 0.11270E+02 0.37258E-05
 0.11955E+02 0.16914E-05
 0.12640E+02 0.11694E-05
 0.13325E+02 0.10358E-05
 0.14010E+02 0.10047E-05
 0.14695E+02 0.99916E-06
 0.15380E+02 0.99901E-06
 0.16065E+02 0.99949E-06
 0.16750E+02 0.99979E-06
 0.17435E+02 0.99993E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11664E+00
 0.51050E+01 0.63770E-01
 0.57900E+01 0.31940E-01
 0.64750E+01 0.14605E-01
 0.71600E+01 0.60841E-02
 0.78450E+01 0.23065E-02
 0.85300E+01 0.79618E-03
 0.92150E+01 0.25126E-03
 0.99000E+01 0.73431E-04
 0.10585E+02 0.20628E-04
 0.11270E+02 0.61410E-05
 0.11955E+02 0.23450E-05
 0.12640E+02 0.13508E-05
 0.13325E+02 0.10861E-05
 0.14010E+02 0.10176E-05
 0.14695E+02 0.10020E-05
 0.15380E+02 0.99938E-06
 0.16065E+02 0.99942E-06
 0.16750E+02 0.99971E-06
 0.17435E+02 0.99989E-06
 0.18120E+02 0.99996E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.95177E+00
	0.30500E+00	0.93979E+00	
	0.61000E+00	0.87250E+00	
	0.91500E+00	0.80118E+00	
	0.12200E+01	0.72805E+00	
	0.15250E+01	0.65450E+00	
	0.18300E+01	0.58143E+00	
	0.21350E+01	0.50957E+00	
	0.24400E+01	0.43963E+00	
	0.27450E+01	0.37227E+00	
	0.30500E+01	0.30808E+00	
	0.37350E+01	0.19664E+00	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.10006E+01
	0.30500E+00	0.94878E+00	
	0.61000E+00	0.88868E+00	
	0.91500E+00	0.82243E+00	
	0.12200E+01	0.75253E+00	
	0.15250E+01	0.68089E+00	
	0.18300E+01	0.60892E+00	
	0.21350E+01	0.53765E+00	
	0.24400E+01	0.46787E+00	
	0.27450E+01	0.40017E+00	
	0.30500E+01	0.33495E+00	
	0.37350E+01	0.21865E+00	

0.44200E+01 0.13348E+00
 0.51050E+01 0.75695E-01
 0.57900E+01 0.39619E-01
 0.64750E+01 0.19058E-01
 0.71600E+01 0.04027E-02
 0.78450E+01 0.33909E-02
 0.85300E+01 0.12521E-02
 0.92150E+01 0.42385E-03
 0.99000E+01 0.13247E-03
 0.10585E+02 0.39011E-04
 0.11270E+02 0.11448E-04
 0.11955E+02 0.38185E-05
 0.12640E+02 0.17625E-05
 0.13325E+02 0.12031E-05
 0.14010E+02 0.10501E-05
 0.14695E+02 0.10102E-05
 0.15380E+02 0.10011E-05
 0.16065E+02 0.99963E-06
 0.16750E+02 0.99966E-06
 0.17435E+02 0.99933E-06
 0.18120E+02 0.99933E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15562E+00
 0.51050E+01 0.91603E-01
 0.57900E+01 0.50139E-01
 0.64750E+01 0.25400E-01
 0.71600E+01 0.11871E-01
 0.78450E+01 0.51079E-02
 0.85300E+01 0.20219E-02
 0.92150E+01 0.73651E-03
 0.99000E+01 0.24780E-03
 0.10585E+02 0.77787E-04
 0.11270E+02 0.23451E-04
 0.11955E+02 0.73162E-05
 0.12640E+02 0.27590E-05
 0.13325E+02 0.14902E-05
 0.14010E+02 0.11332E-05
 0.14695E+02 0.10334E-05
 0.15380E+02 0.10070E-05
 0.16065E+02 0.10009E-05
 0.16750E+02 0.99981E-06
 0.17435E+02 0.99979E-06
 0.18120E+02 0.99990E-06
 0.18805E+02 0.99996E-06
 0.19490E+02 0.99998E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.10623E+01
	0.30500E+00	0.95756E+00	
	0.61000E+00	0.90564E+00	
	0.91500E+00	0.84621E+00	
	0.12200E+01	0.78145E+00	
	0.15250E+01	0.71334E+00	
	0.18300E+01	0.64358E+00	
	0.21350E+01	0.57346E+00	
	0.24400E+01	0.50399E+00	
	0.27450E+01	0.43583E+00	
	0.30500E+01	0.36931E+00	
	0.37350E+01	0.24730E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.11367E+01
	0.30500E+00	0.96561E+00	
	0.61000E+00	0.92201E+00	
	0.91500E+00	0.87036E+00	
	0.12200E+01	0.81222E+00	
	0.15250E+01	0.74931E+00	
	0.18300E+01	0.68244E+00	
	0.21350E+01	0.61542E+00	
	0.24400E+01	0.54701E+00	
	0.27450E+01	0.47878E+00	
	0.30500E+01	0.41110E+00	
	0.37350E+01	0.28311E+00	

0.44200E+01 0.18391E+00
 0.51050E+01 0.11239E+00
 0.57900E+01 0.64301E-01
 0.64750E+01 0.34290E-01
 0.71600E+01 0.16984E-01
 0.78450E+01 0.77931E-02
 0.85300E+01 0.33080E-02
 0.92150E+01 0.12984E-02
 0.99000E+01 0.47181E-03
 0.10585E+02 0.15949E-03
 0.11270E+02 0.50848E-04
 0.11955E+02 0.15861E-04
 0.12640E+02 0.52988E-05
 0.13325E+02 0.22351E-05
 0.14010E+02 0.13537E-05
 0.14695E+02 0.10984E-05
 0.15380E+02 0.10253E-05
 0.16065E+02 0.10056E-05
 0.16750E+02 0.10008E-05
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99988E-06
 0.18805E+02 0.99993E-06
 0.19490E+02 0.99997E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.21917E+00
 0.51050E+01 0.13907E+00
 0.57900E+01 0.83091E-01
 0.64750E+01 0.46577E-01
 0.71600E+01 0.24411E-01
 0.78450E+01 0.11528E-01
 0.85300E+01 0.54233E-02
 0.92150E+01 0.22919E-02
 0.99000E+01 0.90025E-03
 0.10585E+02 0.32927E-03
 0.11270E+02 0.11282E-03
 0.11955E+02 0.36814E-04
 0.12640E+02 0.11946E-04
 0.13325E+02 0.42617E-05
 0.14010E+02 0.19658E-05
 0.14695E+02 0.12841E-05
 0.15380E+02 0.10811E-05
 0.16065E+02 0.10216E-05
 0.16750E+02 0.10051E-05
 0.17435E+02 0.10009E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99993E-06
 0.19490E+02 0.99995E-06
 0.20175E+02 0.99998E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.12236E+01
	0.30500E+00	0.97269E+00	
	0.61000E+00	0.93696E+00	
	0.91500E+00	0.89332E+00	
	0.12200E+01	0.84269E+00	
	0.15250E+01	0.78627E+00	
	0.18300E+01	0.72539E+00	
	0.21350E+01	0.66134E+00	
	0.24400E+01	0.59523E+00	
	0.27450E+01	0.52789E+00	
	0.30500E+01	0.45977E+00	
	0.37350E+01	0.32639E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.13232E+01
	0.30500E+00	0.97868E+00	
	0.61000E+00	0.95007E+00	
	0.91500E+00	0.91413E+00	
	0.12200E+01	0.87124E+00	
	0.15250E+01	0.82100E+00	
	0.18300E+01	0.76760E+00	
	0.21350E+01	0.70871E+00	
	0.24400E+01	0.64637E+00	
	0.27450E+01	0.58133E+00	
	0.30500E+01	0.51400E+00	
	0.37350E+01	0.37698E+00	

0.44200E+01 0.26203E+00
 0.51050E+01 0.17266E+00
 0.57900E+01 0.10764E+00
 0.64750E+01 0.63306E-01
 0.71600E+01 0.35025E-01
 0.78450E+01 0.18180E-01
 0.85300E+01 0.88328E-02
 0.92150E+01 0.40107E-02
 0.99000E+01 0.17006E-02
 0.10585E+02 0.67351E-03
 0.11270E+02 0.24973E-03
 0.11955E+02 0.87288E-04
 0.12640E+02 0.29296E-04
 0.13325E+02 0.98947E-05
 0.14010E+02 0.37324E-05
 0.14695E+02 0.18332E-05
 0.15380E+02 0.12518E-05
 0.16065E+02 0.10740E-05
 0.16750E+02 0.10205E-05
 0.17435E+02 0.10051E-05
 0.18120E+02 0.10011E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.99997E-06
 0.20175E+02 0.99997E-06
 0.20860E+02 0.99998E-06
 0.21545E+02 0.99999E-06
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.31267E+00
 0.51050E+01 0.21404E+00
 0.57900E+01 0.13912E+00
 0.64750E+01 0.85597E-01
 0.71600E+01 0.49924E-01
 0.78450E+01 0.27441E-01
 0.85300E+01 0.14200E-01
 0.92150E+01 0.69055E-02
 0.99000E+01 0.31518E-02
 0.10585E+02 0.13493E-02
 0.11270E+02 0.54208E-03
 0.11955E+02 0.20489E-03
 0.12640E+02 0.73396E-04
 0.13325E+02 0.25399E-04
 0.14010E+02 0.89051E-05
 0.14695E+02 0.35046E-05
 0.15380E+02 0.17864E-05
 0.16065E+02 0.12444E-05
 0.16750E+02 0.10740E-05
 0.17435E+02 0.10213E-05
 0.18120E+02 0.10057E-05
 0.18805E+02 0.10013E-05
 0.19490E+02 0.10002E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.99998E-06
 0.21545E+02 0.99999E-06
 0.22230E+02 0.99999E-06
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.14353E+01
	0.30500E+00	0.98364E+00	
	0.61000E+00	0.96117E+00	
	0.91500E+00	0.93226E+00	
	0.12200E+01	0.89686E+00	
	0.15250E+01	0.85522E+00	
	0.18300E+01	0.80779E+00	
	0.21350E+01	0.75517E+00	
	0.24400E+01	0.69799E+00	
	0.27450E+01	0.63678E+00	
	0.30500E+01	0.57182E+00	
	0.37350E+01	0.43401E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.15602E+01
	0.30500E+00	0.98764E+00	
	0.61000E+00	0.97033E+00	
	0.91500E+00	0.94755E+00	
	0.12200E+01	0.91902E+00	
	0.15250E+01	0.88463E+00	
	0.18300E+01	0.84447E+00	
	0.21350E+01	0.79876E+00	
	0.24400E+01	0.74778E+00	
	0.27450E+01	0.69178E+00	
	0.30500E+01	0.63084E+00	
	0.37350E+01	0.49583E+00	

0.44200E+01 0.37055E+00
 0.51050E+01 0.26365E+00
 0.57900E+01 0.17858E+00
 0.64750E+01 0.11505E+00
 0.71600E+01 0.70406E-01
 0.78450E+01 0.40852E-01
 0.85300E+01 0.22434E-01
 0.92150E+01 0.11034E-01
 0.99000E+01 0.54891E-02
 0.10585E+02 0.26271E-02
 0.11270E+02 0.11413E-02
 0.11955E+02 0.46731E-03
 0.12640E+02 0.18080E-03
 0.13325E+02 0.66582E-04
 0.14010E+02 0.23777E-04
 0.14695E+02 0.86179E-05
 0.15380E+02 0.34904E-05
 0.16065E+02 0.18052E-05
 0.16750E+02 0.12575E-05
 0.17435E+02 0.10805E-05
 0.18120E+02 0.10241E-05
 0.18805E+02 0.10068E-05
 0.19490E+02 0.10018E-05
 0.20175E+02 0.10004E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.99999E-06
 0.22915E+02 0.99999E-06
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.43432E+00
 0.51050E+01 0.32124E+00
 0.57900E+01 0.22669E+00
 0.64750E+01 0.15258E+00
 0.71600E+01 0.97884E-01
 0.78450E+01 0.59783E-01
 0.85300E+01 0.34714E-01
 0.92150E+01 0.19135E-01
 0.99000E+01 0.99991E-02
 0.10585E+02 0.49471E-02
 0.11270E+02 0.23154E-02
 0.11955E+02 0.10248E-02
 0.12640E+02 0.42918E-03
 0.13325E+02 0.17049E-03
 0.14010E+02 0.64679E-04
 0.14695E+02 0.23837E-04
 0.15380E+02 0.88940E-05
 0.16065E+02 0.36642E-05
 0.16750E+02 0.18875E-05
 0.17435E+02 0.12923E-05
 0.18120E+02 0.10943E-05
 0.18805E+02 0.10294E-05
 0.19490E+02 0.10087E-05
 0.20175E+02 0.10024E-05
 0.20860E+02 0.10006E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.16979E+01
	0.30500E+00	0.99081E+00	
	0.61000E+00	0.97769E+00	
	0.91500E+00	0.96011E+00	
	0.12200E+01	0.93761E+00	
	0.15250E+01	0.90988E+00	
	0.18300E+01	0.87674E+00	
	0.21350E+01	0.83809E+00	
	0.24400E+01	0.79391E+00	
	0.27450E+01	0.74414E+00	
	0.30500E+01	0.68862E+00	
	0.37350E+01	0.56017E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.18485E+01
	0.30500E+00	0.99326E+00	
	0.61000E+00	0.98349E+00	
	0.91500E+00	0.97016E+00	
	0.12200E+01	0.95277E+00	
	0.15250E+01	0.93092E+00	
	0.18300E+01	0.90422E+00	
	0.21350E+01	0.87238E+00	
	0.24400E+01	0.83511E+00	
	0.27450E+01	0.79212E+00	
	0.30500E+01	0.74301E+00	
	0.37350E+01	0.62450E+00	

#VAR Existing Expansion Area - EDISPMK.IH
 2 HOLA: No. of Layers
 H 0.018 0.36 0 ARE ANY LAYERS FRACTURED?
 0.018 0.41 0 1.91 3.05 10
 0 1.69 27.4 40
 4 MT - Top Boundary Code
 HB - Base Boundary Code
 H Is there Decay
 H Do you have an initial concentration profile?
 H Is there a variation in velocity within groups?
 Y Number of groups of variable data
 7 Time at which analysis starts
 0 5 1 T(end), No. Time Steps, CO
 0 0.00756 0 DCO, DVA, DVB, DQC
 0 1.8 0 Va, alpha
 15 2 1 T(end), No. Time Steps, CO
 0 0 DCO, DVA, DVB, DQC
 0.0378 1.8 0 Va, alpha
 16 1 1 T(end), No. Time Steps, CO
 0 0 DCO, DVA, DVB, DQC
 0.0378 1.8 0 Va, alpha
 19 3 1 T(end), No. Time Steps, CO
 0 -0.0126 0 DCO, DVA, DVB, DQC
 0.0378 1.8 0 Va, alpha
 20 1 1 T(end), No. Time Steps, CO
 0 0 DCO, DVA, DVB, DQC
 0 1.8 0 Va, alpha
 75 11 1 T(end), No. Time Steps, CO
 0 0 DCO, DVA, DVB, DQC
 0 1.8 0 Va, alpha
 145 14 1 T(end), No. Time Steps, CO
 0 0.0027 0 DCO, DVA, DVB, DQC
 0 1.8 0 Va, alpha
 Y Accept default TALBOT parameters?
 H Limited number of depths for results

R407

POLLUTEV6 SIMULATION

RUN DATE - 27- 8-87
 TIME - 11:24:26
 REVISION - 1994/03/01
 VERSION 6.0.2
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 LICENSED USER: Andrews Environmental Eng. Inc

#VAR Existing Expansion Area - EDISPMK.IH

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR
 HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION
 WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT	PROPERTIES OF THE MATRIX	DISTRIBUTION/PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.35000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

THE TOP AND BOTTOM BOUNDARY CONDITIONS
 ARE DEFINED BY CODES Top = 2 Bottom = 4
 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.1800E+01
9	0.1600E+02	0.1700E+02	0.3780E-01	0.1800E+01
10	0.1700E+02	0.1800E+02	0.2520E-01	0.1800E+01
11	0.1800E+02	0.1900E+02	0.1260E-01	0.1800E+01
12	0.1900E+02	0.2000E+02	0.0000E+00	0.1800E+01
13	0.2000E+02	0.2500E+02	0.0000E+00	0.1800E+01
14	0.2500E+02	0.3000E+02	0.0000E+00	0.1800E+01
15	0.3000E+02	0.3500E+02	0.0000E+00	0.1800E+01
16	0.3500E+02	0.4000E+02	0.0000E+00	0.1800E+01
17	0.4000E+02	0.4500E+02	0.0000E+00	0.1800E+01
18	0.4500E+02	0.5000E+02	0.0000E+00	0.1800E+01
19	0.5000E+02	0.5500E+02	0.0000E+00	0.1800E+01
20	0.5500E+02	0.6000E+02	0.0000E+00	0.1800E+01
21	0.6000E+02	0.6500E+02	0.0000E+00	0.1800E+01
22	0.6500E+02	0.7000E+02	0.0000E+00	0.1800E+01
23	0.7000E+02	0.7500E+02	0.0000E+00	0.1800E+01
24	0.7500E+02	0.8000E+02	0.0000E+00	0.1800E+01
25	0.8000E+02	0.8500E+02	0.2700E-02	0.1800E+01
26	0.8500E+02	0.9000E+02	0.5400E-02	0.1800E+01
27	0.9000E+02	0.9500E+02	0.8100E-02	0.1800E+01
28	0.9500E+02	0.1000E+03	0.1080E-01	0.1800E+01
29	0.1000E+03	0.1050E+03	0.1350E-01	0.1800E+01
30	0.1050E+03	0.1100E+03	0.1620E-01	0.1800E+01
31	0.1100E+03	0.1150E+03	0.1890E-01	0.1800E+01
32	0.1150E+03	0.1200E+03	0.2160E-01	0.1800E+01
33	0.1200E+03	0.1250E+03	0.2430E-01	0.1800E+01
34	0.1250E+03	0.1300E+03	0.2700E-01	0.1800E+01
35	0.1300E+03	0.1350E+03	0.2970E-01	0.1800E+01
36	0.1350E+03	0.1400E+03	0.3240E-01	0.1800E+01
37	0.1400E+03	0.1450E+03	0.3510E-01	0.1800E+01

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
	0.10500E+00	0.10795E-00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53853E-24	
	0.37350E+01	0.76564E-31	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.1800E+01	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.1800E+01	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.1800E+01	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.1800E+01	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.1800E+01	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.1800E+01	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.1800E+01	

0.44200E+01 0.10473E-35
 0.51050E+01 0.12729E-41
 0.57900E+01 0.42328E-48
 0.64750E+01 0.00000E+00
 0.71600E+01 0.00000E+00
 0.78450E+01 0.00000E+00
 0.85300E+01 0.00000E+00
 0.92150E+01 0.00000E+00
 0.99000E+01 0.00000E+00
 0.10585E+02 0.00000E+00
 0.11270E+02 0.00000E+00
 0.11955E+02 0.00000E+00
 0.12640E+02 0.00000E+00
 0.13325E+02 0.00000E+00
 0.14010E+02 0.00000E+00
 0.14695E+02 0.00000E+00
 0.15380E+02 0.00000E+00
 0.16065E+02 0.00000E+00
 0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

0.44200E+01 0.54007E-16
 0.51050E+01 0.79355E-11
 0.57900E+01 0.14778E-07
 0.64750E+01 0.48577E-06
 0.71600E+01 0.98234E-06
 0.78450E+01 0.99999E-06
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.12020E+00
	0.30500E+00	0.4381E+00	
	0.61000E+00	0.11597E+00	
	0.91500E+00	0.17807E-01	
	0.12200E+01	0.15580E-02	
	0.15250E+01	0.76546E-04	
	0.18300E+01	0.20820E-05	
	0.21350E+01	0.31020E-07	
	0.24400E+01	0.25162E-09	
	0.27450E+01	0.11690E-11	
	0.30500E+01	0.13632E-13	
	0.37350E+01	0.81625E-16	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.00000E+00	0.10000E+01	0.18783E+00
	0.30500E+00	0.62791E+00	
	0.61000E+00	0.31909E+00	
	0.91500E+00	0.12907E+00	
	0.12200E+01	0.41109E-01	
	0.15250E+01	0.10226E-01	
	0.18300E+01	0.1979E-02	
	0.21350E+01	0.2942E-03	
	0.24400E+01	0.3375E-04	
	0.27450E+01	0.2973E-05	
	0.30500E+01	0.19300E-06	
	0.37350E+01	0.11192E-09	

0.44200E+01 0.19669E-10
 0.51050E+01 0.23837E-08
 0.57900E+01 0.62161E-07
 0.64750E+01 0.39569E-06
 0.71600E+01 0.83267E-06
 0.78450E+01 0.98671E-06
 0.85300E+01 0.99968E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12811E-07
 0.51050E+01 0.13604E-07
 0.57900E+01 0.10108E-06
 0.64750E+01 0.36250E-06
 0.71600E+01 0.71130E-06
 0.78450E+01 0.92700E-06
 0.85300E+01 0.99051E-06
 0.92150E+01 0.99938E-06
 0.99000E+01 0.99998E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.00000E+00	0.10000E+01	0.25860E+00
	0.30500E+00	0.7345E+00	
	0.61000E+00	0.48136E+00	
	0.91500E+00	0.27905E+00	
	0.12200E+01	0.14223E+00	
	0.15250E+01	0.63421E-01	
	0.18300E+01	0.24642E-01	
	0.21350E+01	0.83162E-02	
	0.24400E+01	0.24318E-02	
	0.27450E+01	0.61425E-03	
	0.30500E+01	0.12935E-03	
	0.37350E+01	0.19040E-05	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.00000E+00	0.10000E+01	0.33315E+00
	0.30500E+00	0.80080E+00	
	0.61000E+00	0.59757E+00	
	0.91500E+00	0.41349E+00	
	0.12200E+01	0.26428E+00	
	0.15250E+01	0.1552E-01	
	0.18300E+01	0.84055E-01	
	0.21350E+01	0.41622E-01	
	0.24400E+01	0.18844E-01	
	0.27450E+01	0.77672E-02	
	0.30500E+01	0.28364E-02	
	0.37350E+01	0.18908E-03	

0.44200E+01 0.73208E-05
 0.51050E+01 0.19697E-06
 0.57900E+01 0.13036E-06
 0.64750E+01 0.34224E-06
 0.71600E+01 0.62474E-06
 0.78450E+01 0.84951E-06
 0.85300E+01 0.95937E-06
 0.92150E+01 0.99279E-06
 0.99000E+01 0.99917E-06
 0.10585E+02 0.99994E-06
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.24444E-01
 0.51050E+01 0.77832E-02
 0.57900E+01 0.21046E-02
 0.64750E+01 0.48240E-03
 0.71600E+01 0.93869E-04
 0.78450E+01 0.9005E-04
 0.85300E+01 0.28715E-05
 0.92150E+01 0.11135E-05
 0.99000E+01 0.96033E-06
 0.10585E+02 0.97530E-06
 0.11270E+02 0.99048E-06
 0.11955E+02 0.99700E-06
 0.12640E+02 0.99919E-06
 0.13325E+02 0.99981E-06
 0.14010E+02 0.99996E-06
 0.14695E+02 0.99999E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.1000E+01	0.66480E+00
	0.3050E+00	0.9170E+00	
	0.6100E+00	0.8247E+00	
	0.9150E+00	0.7265E+00	
	0.1220E+01	0.6262E+00	
	0.1525E+01	0.5273E+00	
	0.1830E+01	0.4335E+00	
	0.2135E+01	0.3474E+00	
	0.2440E+01	0.2709E+00	
	0.2745E+01	0.2049E+00	
	0.3050E+01	0.1494E+00	
	0.3735E+01	0.6537E-01	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.92852E+00
	0.3050E+00	0.9478E+00	
	0.6100E+00	0.8888E+00	
	0.9150E+00	0.8241E+00	
	0.1220E+01	0.7550E+00	
	0.1525E+01	0.6828E+00	
	0.1830E+01	0.6091E+00	
	0.2135E+01	0.5359E+00	
	0.2440E+01	0.4635E+00	
	0.2745E+01	0.3942E+00	
	0.3050E+01	0.3286E+00	
	0.3735E+01	0.2049E+00	

0.44200E+01 0.11697E+00
 0.51050E+01 0.60929E-01
 0.57900E+01 0.28907E-01
 0.64750E+01 0.12474E-01
 0.71600E+01 0.48905E-02
 0.78450E+01 0.17404E-02
 0.85300E+01 0.56200E-03
 0.92150E+01 0.16488E-03
 0.99000E+01 0.44317E-04
 0.10585E+02 0.11342E-04
 0.11270E+02 0.32210E-05
 0.11955E+02 0.14235E-05
 0.12640E+02 0.10687E-05
 0.13325E+02 0.10080E-05
 0.14010E+02 0.99989E-06
 0.14695E+02 0.99951E-06
 0.15380E+02 0.99979E-06
 0.16065E+02 0.99933E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13844E+00
 0.51050E+01 0.76125E-01
 0.57900E+01 0.38427E-01
 0.64750E+01 0.17777E-01
 0.71600E+01 0.75286E-02
 0.78450E+01 0.29161E-02
 0.85300E+01 0.10325E-02
 0.92150E+01 0.33432E-03
 0.99000E+01 0.99343E-04
 0.10585E+02 0.27530E-04
 0.11270E+02 0.75791E-05
 0.11955E+02 0.25119E-05
 0.12640E+02 0.13202E-05
 0.13325E+02 0.10599E-05
 0.14010E+02 0.10089E-05
 0.14695E+02 0.10007E-05
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99988E-06
 0.16750E+02 0.99995E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.1000E+01	0.97788E+00
	0.3050E+00	0.9513E+00	
	0.6100E+00	0.8963E+00	
	0.9150E+00	0.8358E+00	
	0.1220E+01	0.7709E+00	
	0.1525E+01	0.7027E+00	
	0.1830E+01	0.6326E+00	
	0.2135E+01	0.5619E+00	
	0.2440E+01	0.4919E+00	
	0.2745E+01	0.4236E+00	
	0.3050E+01	0.3581E+00	
	0.3735E+01	0.2317E+00	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.1000E+01	0.10265E+01
	0.3050E+00	0.9545E+00	
	0.6100E+00	0.9030E+00	
	0.9150E+00	0.8462E+00	
	0.1220E+01	0.7851E+00	
	0.1525E+01	0.7205E+00	
	0.1830E+01	0.6537E+00	
	0.2135E+01	0.5858E+00	
	0.2440E+01	0.5178E+00	
	0.2745E+01	0.4509E+00	
	0.3050E+01	0.3859E+00	
	0.3735E+01	0.2580E+00	

0.44200E+01 0.16021E+00
 0.51050E+01 0.92238E-01
 0.57900E+01 0.49096E-01
 0.64750E+01 0.24113E-01
 0.71600E+01 0.10913E-01
 0.78450E+01 0.45471E-02
 0.85300E+01 0.17431E-02
 0.92150E+01 0.61476E-03
 0.99000E+01 0.19977E-03
 0.10585E+02 0.60246E-04
 0.11270E+02 0.17331E-04
 0.11955E+02 0.52079E-05
 0.12640E+02 0.20254E-05
 0.13325E+02 0.12347E-05
 0.14010E+02 0.10485E-05
 0.14695E+02 0.10084E-05
 0.15380E+02 0.10010E-05
 0.16065E+02 0.99999E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.17481E+00
 0.51050E+01 0.10349E+00
 0.57900E+01 0.56893E-01
 0.64750E+01 0.28985E-01
 0.71600E+01 0.13664E-01
 0.78450E+01 0.59549E-02
 0.85300E+01 0.23973E-02
 0.92150E+01 0.89136E-03
 0.99000E+01 0.30636E-03
 0.10585E+02 0.97766E-04
 0.11270E+02 0.29455E-04
 0.11955E+02 0.88488E-05
 0.12640E+02 0.30659E-05
 0.13325E+02 0.15226E-05
 0.14010E+02 0.11241E-05
 0.14695E+02 0.10264E-05
 0.15380E+02 0.10048E-05
 0.16065E+02 0.10006E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.10588E+01
	0.30500E+00	0.95612E+00	
	0.61000E+00	0.90663E+00	
	0.91500E+00	0.85212E+00	
	0.12200E+01	0.79331E+00	
	0.15250E+01	0.73107E+00	
	0.18300E+01	0.66638E+00	
	0.21350E+01	0.60026E+00	
	0.24400E+01	0.53371E+00	
	0.27450E+01	0.46769E+00	
	0.30500E+01	0.40312E+00	
	0.37350E+01	0.27485E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.10754E+01
	0.30500E+00	0.95637E+00	
	0.61000E+00	0.90764E+00	
	0.91500E+00	0.85418E+00	
	0.12200E+01	0.79654E+00	
	0.15250E+01	0.73547E+00	
	0.18300E+01	0.67189E+00	
	0.21350E+01	0.60092E+00	
	0.24400E+01	0.54095E+00	
	0.27450E+01	0.47535E+00	
	0.30500E+01	0.41070E+00	
	0.37350E+01	0.28281E+00	

0.44200E+01 0.18209E+00
 0.51050E+01 0.10935E+00
 0.57900E+01 0.61144E-01
 0.64750E+01 0.31726E-01
 0.71600E+01 0.15275E-01
 0.78450E+01 0.68133E-02
 0.85300E+01 0.28135E-02
 0.92150E+01 0.10753E-02
 0.99000E+01 0.38063E-03
 0.10585E+02 0.12524E-03
 0.11270E+02 0.38824E-04
 0.11955E+02 0.11838E-04
 0.12640E+02 0.39847E-05
 0.13325E+02 0.18020E-05
 0.14010E+02 0.12062E-05
 0.14695E+02 0.10485E-05
 0.15380E+02 0.10100E-05
 0.16065E+02 0.10017E-05
 0.16750E+02 0.10002E-05
 0.17435E+02 0.99999E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.18225E+00
 0.51050E+01 0.10972E+00
 0.57900E+01 0.61508E-01
 0.64750E+01 0.32044E-01
 0.71600E+01 0.15491E-01
 0.78450E+01 0.69420E-02
 0.85300E+01 0.28815E-02
 0.92150E+01 0.11076E-02
 0.99000E+01 0.39456E-03
 0.10585E+02 0.13076E-03
 0.11270E+02 0.40873E-04
 0.11955E+02 0.12585E-04
 0.12640E+02 0.42653E-05
 0.13325E+02 0.19100E-05
 0.14010E+02 0.12455E-05
 0.14695E+02 0.10509E-05
 0.15380E+02 0.10133E-05
 0.16065E+02 0.10024E-05
 0.16750E+02 0.10003E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99999E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.10763E+01
	0.30500E+00	0.95486E+00	
	0.61000E+00	0.90609E+00	
	0.91500E+00	0.85272E+00	
	0.12200E+01	0.79522E+00	
	0.15250E+01	0.73433E+00	
	0.18300E+01	0.67094E+00	
	0.21350E+01	0.60597E+00	
	0.24400E+01	0.54034E+00	
	0.27450E+01	0.47475E+00	
	0.30500E+01	0.40843E+00	
	0.37350E+01	0.28250E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.10813E+01
	0.30500E+00	0.95182E+00	
	0.61000E+00	0.90167E+00	
	0.91500E+00	0.84829E+00	
	0.12200E+01	0.79137E+00	
	0.15250E+01	0.73128E+00	
	0.18300E+01	0.66874E+00	
	0.21350E+01	0.60451E+00	
	0.24400E+01	0.53923E+00	
	0.27450E+01	0.47334E+00	
	0.30500E+01	0.40754E+00	
	0.37350E+01	0.28570E+00	

0.44200E+01 0.18647E+00
 0.51050E+01 0.11371E+00
 0.57900E+01 0.64711E-01
 0.64750E+01 0.34309E-01
 0.71600E+01 0.16923E-01
 0.78450E+01 0.77566E-02
 0.85300E+01 0.33013E-02
 0.92150E+01 0.13043E-02
 0.99000E+01 0.47862E-03
 0.10585E+02 0.16366E-03
 0.11270E+02 0.52723E-04
 0.11955E+02 0.16553E-04
 0.12640E+02 0.55282E-05
 0.13325E+02 0.23064E-05
 0.14010E+02 0.13713E-05
 0.14695E+02 0.10998E-05
 0.15380E+02 0.10242E-05
 0.16065E+02 0.10051E-05
 0.16750E+02 0.10009E-05
 0.17435E+02 0.10001E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99999E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.19044E+00
 0.51050E+01 0.11758E+00
 0.57900E+01 0.67877E-01
 0.64750E+01 0.36588E-01
 0.71600E+01 0.18390E-01
 0.78450E+01 0.86100E-02
 0.85300E+01 0.37518E-02
 0.92150E+01 0.15211E-02
 0.99000E+01 0.57402E-03
 0.10585E+02 0.20216E-03
 0.11270E+02 0.67046E-04
 0.11955E+02 0.21504E-04
 0.12640E+02 0.71488E-05
 0.13325E+02 0.28263E-05
 0.14010E+02 0.15398E-05
 0.14695E+02 0.11541E-05
 0.15380E+02 0.10407E-05
 0.16065E+02 0.10096E-05
 0.16750E+02 0.10020E-05
 0.17435E+02 0.10003E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.10865E+01
	0.3050E+00	0.9499E+00	
	0.6100E+00	0.8984E+00	
	0.9150E+00	0.8445E+00	
	0.1220E+01	0.7878E+00	
	0.1525E+01	0.7283E+00	
	0.1830E+01	0.6664E+00	
	0.2135E+01	0.6027E+00	
	0.2440E+01	0.5379E+00	
	0.2745E+01	0.4725E+00	
	0.3050E+01	0.4076E+00	
	0.3735E+01	0.2883E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.10919E+01
	0.3050E+00	0.9484E+00	
	0.6100E+00	0.8959E+00	
	0.9150E+00	0.8414E+00	
	0.1220E+01	0.7847E+00	
	0.1525E+01	0.7254E+00	
	0.1830E+01	0.6640E+00	
	0.2135E+01	0.6009E+00	
	0.2440E+01	0.5367E+00	
	0.2745E+01	0.4723E+00	
	0.3050E+01	0.4081E+00	
	0.3735E+01	0.2908E+00	

0.44200E+01 0.19414E+00
 0.51050E+01 0.12133E+00
 0.57900E+01 0.71003E-01
 0.64750E+01 0.38874E-01
 0.71600E+01 0.19890E-01
 0.78450E+01 0.95001E-02
 0.85300E+01 0.42326E-02
 0.92150E+01 0.17583E-02
 0.99000E+01 0.68128E-03
 0.10585E+02 0.24674E-03
 0.11270E+02 0.84144E-04
 0.11955E+02 0.27599E-04
 0.12640E+02 0.91997E-05
 0.13325E+02 0.34981E-05
 0.14010E+02 0.17615E-05
 0.14695E+02 0.12278E-05
 0.15380E+02 0.10644E-05
 0.16065E+02 0.10165E-05
 0.16750E+02 0.10038E-05
 0.17435E+02 0.10008E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.19763E+00
 0.51050E+01 0.12495E+00
 0.57900E+01 0.74082E-01
 0.64750E+01 0.41165E-01
 0.71600E+01 0.21418E-01
 0.78450E+01 0.10425E-01
 0.85300E+01 0.47429E-02
 0.92150E+01 0.20161E-02
 0.99000E+01 0.80090E-03
 0.10585E+02 0.29785E-03
 0.11270E+02 0.10432E-03
 0.11955E+02 0.35007E-04
 0.12640E+02 0.11762E-04
 0.13325E+02 0.43552E-05
 0.14010E+02 0.20487E-05
 0.14695E+02 0.13255E-05
 0.15380E+02 0.10970E-05
 0.16065E+02 0.10288E-05
 0.16750E+02 0.10067E-05
 0.17435E+02 0.10015E-05
 0.18120E+02 0.10003E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.10975E+01
	0.3050E+00	0.9473E+00	
	0.6100E+00	0.8938E+00	
	0.9150E+00	0.8388E+00	
	0.1220E+01	0.7819E+00	
	0.1525E+01	0.7228E+00	
	0.1830E+01	0.6618E+00	
	0.2135E+01	0.5992E+00	
	0.2440E+01	0.5357E+00	
	0.2745E+01	0.4718E+00	
	0.3050E+01	0.4087E+00	
	0.3735E+01	0.2932E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.11031E+01
	0.3050E+00	0.9463E+00	
	0.6100E+00	0.8921E+00	
	0.9150E+00	0.8366E+00	
	0.1220E+01	0.7794E+00	
	0.1525E+01	0.7204E+00	
	0.1830E+01	0.6598E+00	
	0.2135E+01	0.5977E+00	
	0.2440E+01	0.5348E+00	
	0.2745E+01	0.4715E+00	
	0.3050E+01	0.4084E+00	
	0.3735E+01	0.2955E+00	

0.44200E+01	0.20095E+00
0.51050E+01	0.12844E+00
0.57900E+01	0.77106E-01
0.64750E+01	0.43454E-01
0.71600E+01	0.22972E-01
0.78450E+01	0.11382E-01
0.85300E+01	0.52820E-02
0.92150E+01	0.22946E-02
0.99000E+01	0.93329E-03
0.10585E+02	0.35592E-03
0.11270E+02	0.12789E-03
0.11955E+02	0.43907E-04
0.12640E+02	0.14923E-04
0.13325E+02	0.54358E-05
0.14010E+02	0.24164E-05
0.14695E+02	0.14526E-05
0.15380E+02	0.11408E-05
0.16065E+02	0.10413E-05
0.16750E+02	0.10111E-05
0.17435E+02	0.10027E-05
0.18120E+02	0.10006E-05
0.18805E+02	0.10001E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.1000E+01	0.11089E+01
	0.3050E+00	0.9455E+00	
	0.6100E+00	0.8965E+00	
	0.9150E+00	0.8346E+00	
	0.1220E+01	0.7773E+00	
	0.1525E+01	0.7183E+00	
	0.1830E+01	0.6579E+00	
	0.2135E+01	0.5963E+00	
	0.2440E+01	0.5340E+00	
	0.2745E+01	0.4717E+00	
	0.3050E+01	0.4102E+00	
	0.3735E+01	0.2978E+00	

0.44200E+01	0.20720E+00
0.51050E+01	0.13507E+00
0.57900E+01	0.82981E-01
0.64750E+01	0.48009E-01
0.71600E+01	0.26140E-01
0.78450E+01	0.13386E-01
0.85300E+01	0.64431E-02
0.92150E+01	0.29136E-02
0.99000E+01	0.12370E-02
0.10585E+02	0.49451E-03
0.11270E+02	0.18642E-03
0.11955E+02	0.66933E-04
0.12640E+02	0.23435E-04
0.13325E+02	0.84454E-05
0.14010E+02	0.34646E-05
0.14695E+02	0.18225E-05
0.15380E+02	0.12729E-05
0.16065E+02	0.10875E-05
0.16750E+02	0.10264E-05
0.17435E+02	0.10074E-05
0.18120E+02	0.10019E-05
0.18805E+02	0.10004E-05
0.19490E+02	0.10001E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.1000E+01	0.11206E+01
	0.3050E+00	0.94430E+00	
	0.6100E+00	0.88825E+00	
	0.9150E+00	0.83149E+00	
	0.1220E+01	0.77373E+00	
	0.1525E+01	0.71484E+00	
	0.1830E+01	0.65489E+00	
	0.2135E+01	0.59412E+00	
	0.2440E+01	0.53295E+00	
	0.2745E+01	0.47195E+00	
	0.3050E+01	0.41194E+00	
	0.3735E+01	0.30217E+00	

0.44200E+01	0.20413E+00
0.51050E+01	0.13181E+00
0.57900E+01	0.80072E-01
0.64750E+01	0.45737E-01
0.71600E+01	0.24547E-01
0.78450E+01	0.12370E-01
0.85300E+01	0.58491E-02
0.92150E+01	0.25938E-02
0.99000E+01	0.10788E-02
0.10585E+02	0.42134E-03
0.11270E+02	0.15516E-03
0.11955E+02	0.54486E-04
0.12640E+02	0.18780E-04
0.13325E+02	0.67832E-05
0.14010E+02	0.28816E-05
0.14695E+02	0.16157E-05
0.15380E+02	0.11985E-05
0.16065E+02	0.10611E-05
0.16750E+02	0.10175E-05
0.17435E+02	0.10046E-05
0.18120E+02	0.10011E-05
0.18805E+02	0.10002E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.1000E+01	0.11147E+01
	0.3050E+00	0.94490E+00	
	0.6100E+00	0.88937E+00	
	0.9150E+00	0.83298E+00	
	0.1220E+01	0.77540E+00	
	0.1525E+01	0.71650E+00	
	0.1830E+01	0.65633E+00	
	0.2135E+01	0.59516E+00	
	0.2440E+01	0.53345E+00	
	0.2745E+01	0.47180E+00	
	0.3050E+01	0.41108E+00	
	0.3735E+01	0.30003E+00	

0.44200E+01	0.21016E+00
0.51050E+01	0.13823E+00
0.57900E+01	0.85831E-01
0.64750E+01	0.50268E-01
0.71600E+01	0.27748E-01
0.78450E+01	0.14428E-01
0.85300E+01	0.70631E-02
0.92150E+01	0.32537E-02
0.99000E+01	0.14104E-02
0.10585E+02	0.57575E-03
0.11270E+02	0.22197E-03
0.11955E+02	0.81443E-04
0.12640E+02	0.28998E-04
0.13325E+02	0.10418E-04
0.14010E+02	0.41881E-05
0.14695E+02	0.20820E-05
0.15380E+02	0.13677E-05
0.16065E+02	0.11220E-05
0.16750E+02	0.10385E-05
0.17435E+02	0.10113E-05
0.18120E+02	0.10031E-05
0.18805E+02	0.10008E-05
0.19490E+02	0.10002E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.11266E+01
	0.3050E+00	0.94378E+00	
	0.6100E+00	0.88727E+00	
	0.9150E+00	0.83018E+00	
	0.1220E+01	0.77225E+00	
	0.1525E+01	0.71339E+00	
	0.1830E+01	0.65364E+00	
	0.2135E+01	0.59324E+00	
	0.2440E+01	0.53257E+00	
	0.2745E+01	0.47218E+00	
	0.3050E+01	0.41283E+00	
	0.3735E+01	0.30426E+00	

0.44200E+01 0.21302E+00
 0.51050E+01 0.14129E+00
 0.57900E+01 0.88626E-01
 0.64750E+01 0.52511E-01
 0.71600E+01 0.29368E-01
 0.78450E+01 0.15495E-01
 0.85300E+01 0.77080E-02
 0.92150E+01 0.36140E-02
 0.99000E+01 0.15969E-02
 0.10585E+02 0.66540E-03
 0.11270E+02 0.26209E-03
 0.11955E+02 0.98213E-04
 0.12640E+02 0.35581E-04
 0.13325E+02 0.12932E-04
 0.14010E+02 0.50781E-05
 0.14695E+02 0.24048E-05
 0.15380E+02 0.14869E-05
 0.16065E+02 0.11663E-05
 0.16750E+02 0.10545E-05
 0.17435E+02 0.10168E-05
 0.18120E+02 0.10048E-05
 0.18805E+02 0.10013E-05
 0.19490E+02 0.10003E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.21579E+00
 0.51050E+01 0.14427E+00
 0.57900E+01 0.91365E-01
 0.64750E+01 0.54736E-01
 0.71600E+01 0.30997E-01
 0.78450E+01 0.16583E-01
 0.85300E+01 0.83768E-02
 0.92150E+01 0.39941E-02
 0.99000E+01 0.17973E-02
 0.10585E+02 0.76373E-03
 0.11270E+02 0.30706E-03
 0.11955E+02 0.11744E-03
 0.12640E+02 0.43304E-04
 0.13325E+02 0.15876E-04
 0.14010E+02 0.61636E-05
 0.14695E+02 0.28029E-05
 0.15380E+02 0.16355E-05
 0.16065E+02 0.12224E-05
 0.16750E+02 0.10754E-05
 0.17435E+02 0.10243E-05
 0.18120E+02 0.10073E-05
 0.18805E+02 0.10020E-05
 0.19490E+02 0.10005E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.11326E+01
	0.30500E+00	0.94332E+00	
	0.61000E+00	0.88641E+00	
	0.91500E+00	0.82903E+00	
	0.12200E+01	0.77097E+00	
	0.15250E+01	0.71212E+00	
	0.18300E+01	0.65256E+00	
	0.21350E+01	0.59250E+00	
	0.24400E+01	0.53231E+00	
	0.27450E+01	0.47249E+00	
	0.30500E+01	0.41375E+00	
	0.37350E+01	0.30631E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.11387E+01
	0.30500E+00	0.94291E+00	
	0.61000E+00	0.88566E+00	
	0.91500E+00	0.82803E+00	
	0.12200E+01	0.76984E+00	
	0.15250E+01	0.71102E+00	
	0.18300E+01	0.65164E+00	
	0.21350E+01	0.59191E+00	
	0.24400E+01	0.53216E+00	
	0.27450E+01	0.47266E+00	
	0.30500E+01	0.41417E+00	
	0.37350E+01	0.30632E+00	

0.44200E+01 0.21849E+00
 0.51050E+01 0.14718E+00
 0.57900E+01 0.94051E-01
 0.64750E+01 0.56941E-01
 0.71600E+01 0.32632E-01
 0.78450E+01 0.17691E-01
 0.85300E+01 0.90682E-02
 0.92150E+01 0.43936E-02
 0.99000E+01 0.20118E-02
 0.10585E+02 0.87100E-03
 0.11270E+02 0.35713E-03
 0.11955E+02 0.13932E-03
 0.12640E+02 0.52290E-04
 0.13325E+02 0.19374E-04
 0.14010E+02 0.74764E-05
 0.14695E+02 0.32902E-05
 0.15380E+02 0.18189E-05
 0.16065E+02 0.12925E-05
 0.16750E+02 0.11020E-05
 0.17435E+02 0.10340E-05
 0.18120E+02 0.10107E-05
 0.18805E+02 0.10032E-05
 0.19490E+02 0.10009E-05
 0.20175E+02 0.10002E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.22111E+00
 0.51050E+01 0.15000E+00
 0.57900E+01 0.96687E-01
 0.64750E+01 0.59126E-01
 0.71600E+01 0.34271E-01
 0.78450E+01 0.18816E-01
 0.85300E+01 0.97812E-02
 0.92150E+01 0.48122E-02
 0.99000E+01 0.22404E-02
 0.10585E+02 0.98743E-03
 0.11270E+02 0.41256E-03
 0.11955E+02 0.16405E-03
 0.12640E+02 0.62665E-04
 0.13325E+02 0.23498E-04
 0.14010E+02 0.90516E-05
 0.14695E+02 0.38822E-05
 0.15380E+02 0.20436E-05
 0.16065E+02 0.13795E-05
 0.16750E+02 0.11357E-05
 0.17435E+02 0.10467E-05
 0.18120E+02 0.10153E-05
 0.18805E+02 0.10047E-05
 0.19490E+02 0.10013E-05
 0.20175E+02 0.10004E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.11448E+01
	0.30500E+00	0.94256E+00	
	0.61000E+00	0.88500E+00	
	0.91500E+00	0.82715E+00	
	0.12200E+01	0.76887E+00	
	0.15250E+01	0.71008E+00	
	0.18300E+01	0.65087E+00	
	0.21350E+01	0.59144E+00	
	0.24400E+01	0.53210E+00	
	0.27450E+01	0.47300E+00	
	0.30500E+01	0.41567E+00	
	0.37350E+01	0.31029E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.11683E+01
	0.30500E+00	0.94646E+00	
	0.61000E+00	0.89046E+00	
	0.91500E+00	0.83307E+00	
	0.12200E+01	0.77492E+00	
	0.15250E+01	0.71631E+00	
	0.18300E+01	0.65745E+00	
	0.21350E+01	0.59856E+00	
	0.24400E+01	0.54003E+00	
	0.27450E+01	0.48235E+00	
	0.30500E+01	0.42614E+00	
	0.37350E+01	0.31925E+00	

0.44200E+01 0.22976E+00
 0.51050E+01 0.15797E+00
 0.57900E+01 0.10345E+00
 0.64750E+01 0.64413E-01
 0.71600E+01 0.38100E-01
 0.78450E+01 0.21392E-01
 0.85300E+01 0.11395E-01
 0.92150E+01 0.57567E-02
 0.99000E+01 0.27577E-02
 0.10585E+02 0.12529E-02
 0.11270E+02 0.54041E-03
 0.11955E+02 0.22189E-03
 0.12640E+02 0.87306E-04
 0.13325E+02 0.33422E-04
 0.14010E+02 0.12844E-04
 0.14695E+02 0.53029E-05
 0.15380E+02 0.25703E-05
 0.16065E+02 0.15780E-05
 0.16750E+02 0.12118E-05
 0.17435E+02 0.10757E-05
 0.18120E+02 0.10260E-05
 0.18805E+02 0.10085E-05
 0.19490E+02 0.10026E-05
 0.20175E+02 0.10007E-05
 0.20860E+02 0.10002E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.24457E+00
 0.51050E+01 0.17108E+00
 0.57900E+01 0.11443E+00
 0.64750E+01 0.73013E-01
 0.71600E+01 0.44383E-01
 0.78450E+01 0.25681E-01
 0.85300E+01 0.14136E-01
 0.92150E+01 0.73992E-02
 0.99000E+01 0.36820E-02
 0.10585E+02 0.17420E-02
 0.11270E+02 0.78398E-03
 0.11955E+02 0.33616E-03
 0.12640E+02 0.13788E-03
 0.13325E+02 0.54595E-04
 0.14010E+02 0.21290E-04
 0.14695E+02 0.85247E-05
 0.15380E+02 0.37755E-05
 0.16065E+02 0.20290E-05
 0.16750E+02 0.13830E-05
 0.17435E+02 0.11413E-05
 0.18120E+02 0.10509E-05
 0.18805E+02 0.10176E-05
 0.19490E+02 0.10058E-05
 0.20175E+02 0.10018E-05
 0.20860E+02 0.10005E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.12083E+01
	0.30500E+00	0.95123E+00	
	0.61000E+00	0.89800E+00	
	0.91500E+00	0.84380E+00	
	0.12200E+01	0.78713E+00	
	0.15250E+01	0.72952E+00	
	0.18300E+01	0.67148E+00	
	0.21350E+01	0.61346E+00	
	0.24400E+01	0.55590E+00	
	0.27450E+01	0.49921E+00	
	0.30500E+01	0.44385E+00	
	0.37350E+01	0.33561E+00	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.12639E+01
	0.30500E+00	0.95614E+00	
	0.61000E+00	0.90817E+00	
	0.91500E+00	0.85593E+00	
	0.12200E+01	0.80328E+00	
	0.15250E+01	0.74799E+00	
	0.18300E+01	0.69176E+00	
	0.21350E+01	0.63519E+00	
	0.24400E+01	0.57878E+00	
	0.27450E+01	0.52301E+00	
	0.30500E+01	0.46826E+00	
	0.37350E+01	0.35889E+00	

0.44200E+01 0.26569E+00
 0.51050E+01 0.18954E+00
 0.57900E+01 0.12988E+00
 0.64750E+01 0.85260E-01
 0.71600E+01 0.53519E-01
 0.78450E+01 0.32086E-01
 0.85300E+01 0.18359E-01
 0.92150E+01 0.10020E-01
 0.99000E+01 0.52150E-02
 0.10585E+02 0.25880E-02
 0.11270E+02 0.12248E-02
 0.11955E+02 0.55324E-03
 0.12640E+02 0.23901E-03
 0.13325E+02 0.99220E-04
 0.14010E+02 0.39999E-04
 0.14695E+02 0.16020E-04
 0.15380E+02 0.66751E-05
 0.16065E+02 0.31302E-05
 0.16750E+02 0.18009E-05
 0.17435E+02 0.13012E-05
 0.18120E+02 0.11123E-05
 0.18805E+02 0.10409E-05
 0.19490E+02 0.10144E-05
 0.20175E+02 0.10049E-05
 0.20860E+02 0.10016E-05
 0.21545E+02 0.10005E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29306E+00
 0.51050E+01 0.21364E+00
 0.57900E+01 0.15020E+00
 0.64750E+01 0.10161E+00
 0.71600E+01 0.66013E-01
 0.78450E+01 0.41124E-01
 0.85300E+01 0.24540E-01
 0.92150E+01 0.14018E-01
 0.99000E+01 0.76617E-02
 0.10585E+02 0.40057E-02
 0.11270E+02 0.20032E-02
 0.11955E+02 0.95809E-03
 0.12640E+02 0.43922E-03
 0.13325E+02 0.19317E-03
 0.14010E+02 0.81940E-04
 0.14695E+02 0.33879E-04
 0.15380E+02 0.13969E-04
 0.16065E+02 0.60137E-05
 0.16750E+02 0.29191E-05
 0.17435E+02 0.17325E-05
 0.18120E+02 0.12789E-05
 0.18805E+02 0.11053E-05
 0.19490E+02 0.10391E-05
 0.20175E+02 0.10141E-05
 0.20860E+02 0.10049E-05
 0.21545E+02 0.10017E-05
 0.22230E+02 0.10005E-05
 0.22915E+02 0.10002E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.13345E+01
	0.30500E+00	0.96095E+00	
	0.61000E+00	0.91774E+00	
	0.91500E+00	0.87097E+00	
	0.12200E+01	0.82131E+00	
	0.15250E+01	0.76945E+00	
	0.18300E+01	0.71606E+00	
	0.21350E+01	0.66176E+00	
	0.24400E+01	0.60710E+00	
	0.27450E+01	0.55259E+00	
	0.30500E+01	0.49863E+00	
	0.37350E+01	0.38857E+00	

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.14195E+01
	0.30500E+00	0.96554E+00	
	0.61000E+00	0.92705E+00	
	0.91500E+00	0.88497E+00	
	0.12200E+01	0.83978E+00	
	0.15250E+01	0.79202E+00	
	0.18300E+01	0.74225E+00	
	0.21350E+01	0.69101E+00	
	0.24400E+01	0.63885E+00	
	0.27450E+01	0.58624E+00	
	0.30500E+01	0.53362E+00	
	0.37350E+01	0.42387E+00	

0.44200E+01 0.32638E+00
 0.51050E+01 0.24350E+00
 0.57900E+01 0.17579E+00
 0.64750E+01 0.12260E+00
 0.71600E+01 0.82457E-01
 0.78450E+01 0.53405E-01
 0.85300E+01 0.33267E-01
 0.92150E+01 0.19913E-01
 0.99000E+01 0.11446E-01
 0.10585E+02 0.63156E-02
 0.11270E+02 0.33441E-02
 0.11955E+02 0.16993E-02
 0.12640E+02 0.82889E-03
 0.13325E+02 0.38845E-03
 0.14010E+02 0.17528E-03
 0.14695E+02 0.76477E-04
 0.15380E+02 0.32579E-04
 0.16065E+02 0.13831E-04
 0.16750E+02 0.60993E-05
 0.17435E+02 0.29985E-05
 0.18120E+02 0.17774E-05
 0.18805E+02 0.13008E-05
 0.19490E+02 0.11154E-05
 0.20175E+02 0.10437E-05
 0.20860E+02 0.10162E-05
 0.21545E+02 0.10058E-05
 0.22230E+02 0.10020E-05
 0.22915E+02 0.10007E-05
 0.23600E+02 0.10002E-05
 0.24285E+02 0.10001E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.35498E+00
 0.51050E+01 0.27900E+00
 0.57900E+01 0.20692E+00
 0.64750E+01 0.14873E+00
 0.71600E+01 0.10348E+00
 0.78450E+01 0.69680E-01
 0.85300E+01 0.45216E-01
 0.92150E+01 0.28336E-01
 0.99000E+01 0.17117E-01
 0.10585E+02 0.99620E-02
 0.11270E+02 0.55832E-02
 0.11955E+02 0.30127E-02
 0.12640E+02 0.15650E-02
 0.13325E+02 0.78293E-03
 0.14010E+02 0.37746E-03
 0.14695E+02 0.17567E-03
 0.15380E+02 0.79212E-04
 0.16065E+02 0.34880E-04
 0.16750E+02 0.15252E-04
 0.17435E+02 0.68529E-05
 0.18120E+02 0.33615E-05
 0.18805E+02 0.19414E-05
 0.19490E+02 0.13720E-05
 0.20175E+02 0.11456E-05
 0.20860E+02 0.10563E-05
 0.21545E+02 0.10214E-05
 0.22230E+02 0.10080E-05
 0.22915E+02 0.10029E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10004E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.15182E+01
	0.3050E+00	0.96978E+00	
	0.6100E+00	0.93582E+00	
	0.9150E+00	0.89837E+00	
	0.1220E+01	0.85777E+00	
	0.1525E+01	0.81440E+00	
	0.1830E+01	0.76870E+00	
	0.2135E+01	0.72112E+00	
	0.2440E+01	0.67211E+00	
	0.2745E+01	0.62210E+00	
	0.3050E+01	0.57151E+00	
	0.3735E+01	0.46352E+00	

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.16302E+01
	0.3050E+00	0.97366E+00	
	0.6100E+00	0.94389E+00	
	0.9150E+00	0.91083E+00	
	0.1220E+01	0.87471E+00	
	0.1525E+01	0.83578E+00	
	0.1830E+01	0.79435E+00	
	0.2135E+01	0.75075E+00	
	0.2440E+01	0.70535E+00	
	0.2745E+01	0.65832E+00	
	0.3050E+01	0.61000E+00	
	0.3735E+01	0.50599E+00	

0.44200E+01 0.40777E+00
 0.51050E+01 0.31959E+00
 0.57900E+01 0.24354E+00
 0.64750E+01 0.18033E+00
 0.71600E+01 0.12965E+00
 0.78450E+01 0.90424E-01
 0.85300E+01 0.61124E-01
 0.92150E+01 0.40011E-01
 0.99000E+01 0.25342E-01
 0.10585E+02 0.15521E-01
 0.11270E+02 0.91864E-02
 0.11955E+02 0.52527E-02
 0.12640E+02 0.29008E-02
 0.13325E+02 0.15470E-02
 0.14010E+02 0.79692E-03
 0.14695E+02 0.39674E-03
 0.15380E+02 0.19113E-03
 0.16065E+02 0.89355E-04
 0.16750E+02 0.40778E-04
 0.17435E+02 0.18396E-04
 0.18120E+02 0.84173E-05
 0.18805E+02 0.40982E-05
 0.19490E+02 0.22738E-05
 0.20175E+02 0.15173E-05
 0.20860E+02 0.12077E-05
 0.21545E+02 0.10824E-05
 0.22230E+02 0.10322E-05
 0.22915E+02 0.10124E-05
 0.23600E+02 0.10047E-05
 0.24285E+02 0.10017E-05
 0.24970E+02 0.10006E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.45336E+00
 0.51050E+01 0.36430E+00
 0.57900E+01 0.28517E+00
 0.64750E+01 0.21739E+00
 0.71600E+01 0.16131E+00
 0.78450E+01 0.11644E+00
 0.85300E+01 0.81717E-01
 0.92150E+01 0.55716E-01
 0.99000E+01 0.36884E-01
 0.10585E+02 0.23691E-01
 0.11270E+02 0.14757E-01
 0.11955E+02 0.89102E-02
 0.12640E+02 0.52128E-02
 0.13325E+02 0.29542E-02
 0.14010E+02 0.16216E-02
 0.14695E+02 0.86224E-03
 0.15380E+02 0.44426E-03
 0.16065E+02 0.22201E-03
 0.16750E+02 0.10782E-03
 0.17435E+02 0.51104E-04
 0.18120E+02 0.23844E-04
 0.18805E+02 0.11150E-04
 0.19490E+02 0.54100E-05
 0.20175E+02 0.28807E-05
 0.20860E+02 0.17898E-05
 0.21545E+02 0.13272E-05
 0.22230E+02 0.11338E-05
 0.22915E+02 0.10539E-05
 0.23600E+02 0.10214E-05
 0.24285E+02 0.10083E-05
 0.24970E+02 0.10032E-05
 0.25655E+02 0.10012E-05
 0.26340E+02 0.10004E-05
 0.27025E+02 0.10002E-05
 0.27710E+02 0.10001E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.17553E+01
	0.3050E+00	0.97713E+00	
	0.6100E+00	0.95118E+00	
	0.9150E+00	0.92220E+00	
	0.1220E+01	0.89031E+00	
	0.1525E+01	0.85567E+00	
	0.1830E+01	0.81850E+00	
	0.2135E+01	0.77902E+00	
	0.2440E+01	0.73750E+00	
	0.2745E+01	0.69423E+00	
	0.3050E+01	0.64949E+00	
	0.3735E+01	0.54972E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.18931E+01
	0.3050E+00	0.98022E+00	
	0.6100E+00	0.95770E+00	
	0.9150E+00	0.93242E+00	
	0.1220E+01	0.90445E+00	
	0.1525E+01	0.87387E+00	
	0.1830E+01	0.84079E+00	
	0.2135E+01	0.80538E+00	
	0.2440E+01	0.76783E+00	
	0.2745E+01	0.72832E+00	
	0.3050E+01	0.68709E+00	
	0.3735E+01	0.59334E+00	

0.44200E+01 0.50033E+00
 0.51050E+01 0.1188E+00
 0.57900E+01 0.32096E+00
 0.64750E+01 0.25949E+00
 0.71600E+01 0.19846E+00
 0.78450E+01 0.14801E+00
 0.85300E+01 0.10759E+00
 0.92150E+01 0.76194E-01
 0.99000E+01 0.52544E-01
 0.10585E+02 0.35266E-01
 0.11270E+02 0.23026E-01
 0.11955E+02 0.14619E-01
 0.12640E+02 0.90208E-02
 0.13325E+02 0.54087E-02
 0.14010E+02 0.31503E-02
 0.14695E+02 0.17821E-02
 0.15380E+02 0.97917E-03
 0.16065E+02 0.52264E-03
 0.16750E+02 0.27117E-03
 0.17435E+02 0.13694E-03
 0.18120E+02 0.67496E-04
 0.18805E+02 0.32655E-04
 0.19490E+02 0.15690E-04
 0.20175E+02 0.76607E-05
 0.20860E+02 0.39590E-05
 0.21545E+02 0.22916E-05
 0.22230E+02 0.15552E-05
 0.22915E+02 0.12352E-05
 0.23600E+02 0.10982E-05
 0.24285E+02 0.10404E-05
 0.24970E+02 0.10163E-05
 0.25655E+02 0.10065E-05
 0.26340E+02 0.10025E-05
 0.27025E+02 0.10010E-05
 0.27710E+02 0.10004E-05
 0.28395E+02 0.10001E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.54733E+00
 0.51050E+01 0.46099E+00
 0.57900E+01 0.37972E+00
 0.64750E+01 0.30580E+00
 0.71600E+01 0.24070E+00
 0.78450E+01 0.18512E+00
 0.85300E+01 0.13908E+00
 0.92150E+01 0.10204E+00
 0.99000E+01 0.73073E-01
 0.10585E+02 0.51066E-01
 0.11270E+02 0.34810E-01
 0.11955E+02 0.23137E-01
 0.12640E+02 0.14990E-01
 0.13325E+02 0.94631E-02
 0.14010E+02 0.58194E-02
 0.14695E+02 0.34853E-02
 0.15380E+02 0.20326E-02
 0.16065E+02 0.11542E-02
 0.16750E+02 0.63818E-03
 0.17435E+02 0.34374E-03
 0.18120E+02 0.18050E-03
 0.18805E+02 0.92568E-04
 0.19490E+02 0.46526E-04
 0.20175E+02 0.23083E-04
 0.20860E+02 0.11467E-04
 0.21545E+02 0.58566E-05
 0.22230E+02 0.32112E-05
 0.22915E+02 0.19098E-05
 0.23600E+02 0.14362E-05
 0.24285E+02 0.11894E-05
 0.24970E+02 0.10809E-05
 0.25655E+02 0.10340E-05
 0.26340E+02 0.10141E-05
 0.27025E+02 0.10057E-05
 0.27710E+02 0.10023E-05
 0.28395E+02 0.10009E-05
 0.29080E+02 0.10003E-05
 0.29765E+02 0.10001E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.20436E+01
	0.30500E+00	0.98295E+00	
	0.61000E+00	0.96347E+00	
	0.91500E+00	0.94153E+00	
	0.12200E+01	0.91712E+00	
	0.15250E+01	0.89028E+00	
	0.18300E+01	0.86107E+00	
	0.21350E+01	0.82958E+00	
	0.24400E+01	0.79592E+00	
	0.27450E+01	0.76023E+00	
	0.30500E+01	0.72266E+00	
	0.37350E+01	0.63573E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.22066E+01
	0.30500E+00	0.98534E+00	
	0.61000E+00	0.96855E+00	
	0.91500E+00	0.94958E+00	
	0.12200E+01	0.92838E+00	
	0.15250E+01	0.90495E+00	
	0.18300E+01	0.87932E+00	
	0.21350E+01	0.85150E+00	
	0.24400E+01	0.82158E+00	
	0.27450E+01	0.78962E+00	
	0.30500E+01	0.75574E+00	
	0.37350E+01	0.67609E+00	

0.44200E+01 0.59325E+00
 0.51050E+01 0.51033E+00
 0.57900E+01 0.43019E+00
 0.64750E+01 0.35522E+00
 0.71600E+01 0.28723E+00
 0.78450E+01 0.22738E+00
 0.85300E+01 0.17617E+00
 0.92150E+01 0.13355E+00
 0.99000E+01 0.99042E-01
 0.10585E+02 0.71831E-01
 0.11270E+02 0.50934E-01
 0.11955E+02 0.35301E-01
 0.12640E+02 0.23906E-01
 0.13325E+02 0.15815E-01
 0.14010E+02 0.10217E-01
 0.14695E+02 0.64451E-02
 0.15380E+02 0.39686E-02
 0.16065E+02 0.23851E-02
 0.16750E+02 0.13989E-02
 0.17435E+02 0.80070E-03
 0.18120E+02 0.44766E-03
 0.18805E+02 0.24409E-03
 0.19490E+02 0.13020E-03
 0.20175E+02 0.68035E-04
 0.20860E+02 0.34975E-04
 0.21545E+02 0.17837E-04
 0.22230E+02 0.91683E-05
 0.22915E+02 0.48860E-05
 0.23600E+02 0.28159E-05
 0.24285E+02 0.18348E-05
 0.24970E+02 0.13779E-05
 0.25655E+02 0.11684E-05
 0.26340E+02 0.10739E-05
 0.27025E+02 0.10319E-05
 0.27710E+02 0.10135E-05
 0.28395E+02 0.10057E-05
 0.29080E+02 0.10023E-05
 0.29765E+02 0.10009E-05
 0.30450E+02 0.10004E-05

0.44200E+01 0.63722E+00
 0.51050E+01 0.55877E+00
 0.57900E+01 0.48109E+00
 0.64750E+01 0.40652E+00
 0.71600E+01 0.33700E+00
 0.78450E+01 0.27399E+00
 0.85300E+01 0.21843E+00
 0.92150E+01 0.17069E+00
 0.99000E+01 0.13073E+00
 0.10585E+02 0.98105E-01
 0.11270E+02 0.72123E-01
 0.11955E+02 0.51931E-01
 0.12640E+02 0.36614E-01
 0.13325E+02 0.25273E-01
 0.14010E+02 0.17074E-01
 0.14695E+02 0.11288E-01
 0.15380E+02 0.73009E-02
 0.16065E+02 0.46194E-02
 0.16750E+02 0.28586E-02
 0.17435E+02 0.17299E-02
 0.18120E+02 0.10238E-02
 0.18805E+02 0.59257E-03
 0.19490E+02 0.33551E-03
 0.20175E+02 0.18595E-03
 0.20860E+02 0.10099E-03
 0.21545E+02 0.53887E-04
 0.22230E+02 0.28378E-04
 0.22915E+02 0.14883E-04
 0.23600E+02 0.79038E-05
 0.24285E+02 0.43710E-05
 0.24970E+02 0.26184E-05
 0.25655E+02 0.17648E-05
 0.26340E+02 0.13560E-05
 0.27025E+02 0.11632E-05
 0.27710E+02 0.10736E-05
 0.28395E+02 0.10327E-05
 0.29080E+02 0.10143E-05
 0.29765E+02 0.10062E-05
 0.30450E+02 0.10026E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.23820E+01
	0.30500E+00	0.98743E+00	
	0.61000E+00	0.97301E+00	
	0.91500E+00	0.95665E+00	
	0.12200E+01	0.93832E+00	
	0.15250E+01	0.91797E+00	
	0.18300E+01	0.89558E+00	
	0.21350E+01	0.87118E+00	
	0.24400E+01	0.84476E+00	
	0.27450E+01	0.81637E+00	
	0.30500E+01	0.78607E+00	
	0.37350E+01	0.71385E+00	

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.00000E+00	0.10000E+01	0.25698E+01
	0.30500E+00	0.98925E+00	
	0.61000E+00	0.97689E+00	
	0.91500E+00	0.96284E+00	
	0.12200E+01	0.94704E+00	
	0.15250E+01	0.92944E+00	
	0.18300E+01	0.90999E+00	
	0.21350E+01	0.88849E+00	
	0.24400E+01	0.86551E+00	
	0.27450E+01	0.84047E+00	
	0.30500E+01	0.81359E+00	
	0.37350E+01	0.74872E+00	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Table with columns: Period, Start Time, No. of Steps, Time Step, Source Conc., Rate of change, Height of Leachate, Volume Collected. Rows 1-37.

Table with columns: Period, Start Time, No. of Steps, Time Step, Source Conc., Rate of change, Height of Leachate, Volume Collected. Rows 8-37.

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

Table with columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Rows 0.1000E+01 to 0.3735E+01.

Table with columns: Period, Start Time, End Time, Darcy Velocity (flux), Dispersivity, Base Velocity (flux). Rows 1-7.

Table with columns: Period, Start Time, End Time, Darcy Velocity (flux), Dispersivity, Base Velocity (flux). Rows 0.4420E+01 to 0.3045E+02.

Table with columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Rows 0.4420E+01 to 0.3045E+02.

ANALYSIS FOR TIME PERIOD 2

Table with columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Rows 0.2000E+01 to 0.3735E+01.

ANALYSIS FOR TIME PERIOD 3

Table with columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Rows 0.3000E+01 to 0.3735E+01.

0.44200E+01 0.99972E-06
 0.51050E+01 0.10000E-05
 0.57900E+01 0.10000E-05
 0.64750E+01 0.10000E-05
 0.71600E+01 0.10000E-05
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.99276E-06
 0.51050E+01 0.99975E-06
 0.57900E+01 0.10000E-05
 0.64750E+01 0.10000E-05
 0.71600E+01 0.10000E-05
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.18595E+00
	0.30500E+00	0.61033E+00	
	0.61000E+00	0.28004E+00	
	0.91500E+00	0.94579E-01	
	0.12200E+01	0.23150E-01	
	0.15250E+01	0.40546E-02	
	0.18300E+01	0.50369E-03	
	0.21350E+01	0.44188E-04	
	0.24400E+01	0.28973E-05	
	0.27450E+01	0.49394E-06	
	0.30500E+01	0.62419E-06	
	0.37350E+01	0.91715E-06	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.24540E+00
	0.30500E+00	0.71794E+00	
	0.61000E+00	0.43594E+00	
	0.91500E+00	0.22092E+00	
	0.12200E+01	0.92508E-01	
	0.15250E+01	0.31744E-01	
	0.18300E+01	0.88719E-02	
	0.21350E+01	0.20109E-02	
	0.24400E+01	0.36864E-03	
	0.27450E+01	0.54829E-04	
	0.30500E+01	0.65376E-05	
	0.37350E+01	0.86499E-06	

0.44200E+01 0.96686E-06
 0.51050E+01 0.99641E-06
 0.57900E+01 0.99979E-06
 0.64750E+01 0.99999E-06
 0.71600E+01 0.10000E-05
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12596E-02
 0.51050E+01 0.14864E-03
 0.57900E+01 0.13658E-04
 0.64750E+01 0.17891E-05
 0.71600E+01 0.10349E-05
 0.78450E+01 0.10009E-05
 0.85300E+01 0.99999E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.51714E+00
	0.30500E+00	0.90185E+00	
	0.61000E+00	0.78129E+00	
	0.91500E+00	0.64727E+00	
	0.12200E+01	0.51090E+00	
	0.15250E+01	0.38303E+00	
	0.18300E+01	0.27205E+00	
	0.21350E+01	0.18264E+00	
	0.24400E+01	0.11551E+00	
	0.27450E+01	0.68229E-01	
	0.30500E+01	0.36246E-01	
	0.37350E+01	0.78700E-02	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.74275E+00
	0.30500E+00	0.94578E+00	
	0.61000E+00	0.87671E+00	
	0.91500E+00	0.79462E+00	
	0.12200E+01	0.70264E+00	
	0.15250E+01	0.60492E+00	
	0.18300E+01	0.50605E+00	
	0.21350E+01	0.41038E+00	
	0.24400E+01	0.32144E+00	
	0.27450E+01	0.24139E+00	
	0.30500E+01	0.17063E+00	
	0.37350E+01	0.74551E-01	

0.44200E+01 0.27376E-01
 0.51050E+01 0.84154E-02
 0.57900E+01 0.21616E-02
 0.64750E+01 0.46405E-03
 0.71600E+01 0.83842E-04
 0.78450E+01 0.13395E-04
 0.85300E+01 0.25401E-05
 0.92150E+01 0.11670E-05
 0.99000E+01 0.10154E-05
 0.10585E+02 0.10012E-05
 0.11270E+02 0.10001E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.37755E-01
 0.51050E+01 0.12898E-01
 0.57900E+01 0.37345E-02
 0.64750E+01 0.91575E-03
 0.71600E+01 0.19076E-03
 0.78450E+01 0.34530E-04
 0.85300E+01 0.61754E-05
 0.92150E+01 0.17308E-05
 0.99000E+01 0.10929E-05
 0.10585E+02 0.10099E-05
 0.11270E+02 0.10009E-05
 0.11955E+02 0.10001E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.10000E+01	0.78582E+00
	0.30500E+00	0.95025E+00	
	0.61000E+00	0.88696E+00	
	0.91500E+00	0.81154E+00	
	0.12200E+01	0.72633E+00	
	0.15250E+01	0.63459E+00	
	0.18300E+01	0.54014E+00	
	0.21350E+01	0.44682E+00	
	0.24400E+01	0.35789E+00	
	0.27450E+01	0.27555E+00	
	0.30500E+01	0.20055E+00	
	0.37350E+01	0.94031E-01	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.10000E+01	0.82845E+00
	0.30500E+00	0.95435E+00	
	0.61000E+00	0.89618E+00	
	0.91500E+00	0.82656E+00	
	0.12200E+01	0.74735E+00	
	0.15250E+01	0.66113E+00	
	0.18300E+01	0.57106E+00	
	0.21350E+01	0.48046E+00	
	0.24400E+01	0.39225E+00	
	0.27450E+01	0.30870E+00	
	0.30500E+01	0.23046E+00	
	0.37350E+01	0.11494E+00	

0.44200E+01 0.49739E-01
 0.51050E+01 0.18580E-01
 0.57900E+01 0.59617E-02
 0.64750E+01 0.15396E-02
 0.71600E+01 0.38688E-03
 0.78450E+01 0.79172E-04
 0.85300E+01 0.14889E-04
 0.92150E+01 0.32741E-05
 0.99000E+01 0.13562E-05
 0.10585E+02 0.10506E-05
 0.11270E+02 0.10060E-05
 0.11955E+02 0.10006E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.58782E-01
 0.51050E+01 0.23208E-01
 0.57900E+01 0.79409E-02
 0.64750E+01 0.23481E-02
 0.71600E+01 0.60001E-03
 0.78450E+01 0.13340E-03
 0.85300E+01 0.26752E-04
 0.92150E+01 0.56168E-05
 0.99000E+01 0.18110E-05
 0.10585E+02 0.11362E-05
 0.11270E+02 0.10200E-05
 0.11955E+02 0.10024E-05
 0.12640E+02 0.10002E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.85674E+00
	0.30500E+00	0.95646E+00	
	0.61000E+00	0.90122E+00	
	0.91500E+00	0.83512E+00	
	0.12200E+01	0.75988E+00	
	0.15250E+01	0.67684E+00	
	0.18300E+01	0.58977E+00	
	0.21350E+01	0.50102E+00	
	0.24400E+01	0.41356E+00	
	0.27450E+01	0.32900E+00	
	0.30500E+01	0.24764E+00	
	0.37350E+01	0.12950E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.87093E+00
	0.30500E+00	0.95685E+00	
	0.61000E+00	0.90285E+00	
	0.91500E+00	0.83838E+00	
	0.12200E+01	0.76461E+00	
	0.15250E+01	0.68358E+00	
	0.18300E+01	0.59788E+00	
	0.21350E+01	0.51026E+00	
	0.24400E+01	0.42313E+00	
	0.27450E+01	0.33762E+00	
	0.30500E+01	0.25164E+00	
	0.37350E+01	0.13676E+00	

0.44200E+01 0.63833E-01
 0.51050E+01 0.25979E-01
 0.57900E+01 0.92060E-02
 0.64750E+01 0.28332E-02
 0.71600E+01 0.75687E-03
 0.78450E+01 0.17650E-03
 0.85300E+01 0.37001E-04
 0.92150E+01 0.78362E-05
 0.99000E+01 0.22927E-05
 0.10585E+02 0.12430E-05
 0.11270E+02 0.10410E-05
 0.11955E+02 0.10058E-05
 0.12640E+02 0.10007E-05
 0.13325E+02 0.10001E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.64538E-01
 0.51050E+01 0.26508E-01
 0.57900E+01 0.94944E-02
 0.64750E+01 0.29588E-02
 0.71600E+01 0.80194E-03
 0.78450E+01 0.19018E-03
 0.85300E+01 0.40658E-04
 0.92150E+01 0.87731E-05
 0.99000E+01 0.25448E-05
 0.10585E+02 0.13133E-05
 0.11270E+02 0.10581E-05
 0.11955E+02 0.10091E-05
 0.12640E+02 0.10012E-05
 0.13325E+02 0.10001E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.87109E+00
	0.30500E+00	0.9555E+00	
	0.61000E+00	0.90149E+00	
	0.91500E+00	0.83701E+00	
	0.12200E+01	0.76330E+00	
	0.15250E+01	0.68238E+00	
	0.18300E+01	0.59679E+00	
	0.21350E+01	0.50925E+00	
	0.24400E+01	0.42205E+00	
	0.27450E+01	0.33501E+00	
	0.30500E+01	0.23358E+00	
	0.37350E+01	0.13690E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.87193E+00
	0.30500E+00	0.95300E+00	
	0.61000E+00	0.89854E+00	
	0.91500E+00	0.83420E+00	
	0.12200E+01	0.76082E+00	
	0.15250E+01	0.68034E+00	
	0.18300E+01	0.59524E+00	
	0.21350E+01	0.50806E+00	
	0.24400E+01	0.42060E+00	
	0.27450E+01	0.32811E+00	
	0.30500E+01	0.20784E+00	
	0.37350E+01	0.13785E+00	

0.44200E+01 0.70089E-01
 0.51050E+01 0.30196E-01
 0.57900E+01 0.11383E-01
 0.64750E+01 0.37626E-02
 0.71600E+01 0.10902E-02
 0.78450E+01 0.27971E-03
 0.85300E+01 0.63607E-04
 0.92150E+01 0.14048E-04
 0.99000E+01 0.36832E-05
 0.10585E+02 0.15693E-05
 0.11270E+02 0.11184E-05
 0.11955E+02 0.10220E-05
 0.12640E+02 0.10035E-05
 0.13325E+02 0.10005E-05
 0.14010E+02 0.10001E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.74140E-01
 0.51050E+01 0.33817E-01
 0.57900E+01 0.13389E-01
 0.64750E+01 0.46677E-02
 0.71600E+01 0.14359E-02
 0.78450E+01 0.39091E-03
 0.85300E+01 0.95433E-04
 0.92150E+01 0.21927E-04
 0.99000E+01 0.54816E-05
 0.10585E+02 0.19824E-05
 0.11270E+02 0.12181E-05
 0.11955E+02 0.10456E-05
 0.12640E+02 0.10084E-05
 0.13325E+02 0.10013E-05
 0.14010E+02 0.10002E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.87282E+00
	0.30500E+00	0.95095E+00	
	0.61000E+00	0.89575E+00	
	0.91500E+00	0.83145E+00	
	0.12200E+01	0.75838E+00	
	0.15250E+01	0.67833E+00	
	0.18300E+01	0.59368E+00	
	0.21350E+01	0.50655E+00	
	0.24400E+01	0.41357E+00	
	0.27450E+01	0.31841E+00	
	0.30500E+01	0.19448E+00	
	0.37350E+01	0.13510E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.87375E+00
	0.30500E+00	0.94920E+00	
	0.61000E+00	0.89314E+00	
	0.91500E+00	0.82876E+00	
	0.12200E+01	0.75597E+00	
	0.15250E+01	0.67632E+00	
	0.18300E+01	0.59200E+00	
	0.21350E+01	0.50473E+00	
	0.24400E+01	0.41303E+00	
	0.27450E+01	0.30882E+00	
	0.30500E+01	0.18561E+00	
	0.37350E+01	0.13218E+00	

0.44200E+01 0.75773E-01
 0.51050E+01 0.37127E-01
 0.57900E+01 0.15466E-01
 0.64750E+01 0.56676E-02
 0.71600E+01 0.18409E-02
 0.78450E+01 0.53186E-03
 0.85300E+01 0.13797E-03
 0.92150E+01 0.33212E-04
 0.99000E+01 0.82094E-05
 0.10585E+02 0.26279E-05
 0.11270E+02 0.13775E-05
 0.11955E+02 0.10854E-05
 0.12640E+02 0.10177E-05
 0.13325E+02 0.10032E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10001E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.78528E-01
 0.51050E+01 0.40020E-01
 0.57900E+01 0.17541E-01
 0.64750E+01 0.67485E-02
 0.71600E+01 0.23054E-02
 0.78450E+01 0.70325E-03
 0.85300E+01 0.19303E-03
 0.92150E+01 0.48797E-04
 0.99000E+01 0.12198E-04
 0.10585E+02 0.36058E-05
 0.11270E+02 0.16239E-05
 0.11955E+02 0.11495E-05
 0.12640E+02 0.10338E-05
 0.13325E+02 0.10069E-05
 0.14010E+02 0.10012E-05
 0.14695E+02 0.10002E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.87470E+00
	0.3050E+00	0.9476E+00	
	0.6100E+00	0.8907E+00	
	0.9150E+00	0.8261E+00	
	0.1220E+01	0.7535E+00	
	0.1525E+01	0.6742E+00	
	0.1830E+01	0.5901E+00	
	0.2135E+01	0.5021E+00	
	0.2440E+01	0.4077E+00	
	0.2745E+01	0.3004E+00	
	0.3050E+01	0.1790E+00	
	0.3735E+01	0.1295E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.87569E+00
	0.3050E+00	0.9462E+00	
	0.6100E+00	0.8984E+00	
	0.9150E+00	0.8236E+00	
	0.1220E+01	0.7512E+00	
	0.1525E+01	0.6722E+00	
	0.1830E+01	0.5880E+00	
	0.2135E+01	0.4990E+00	
	0.2440E+01	0.4023E+00	
	0.2745E+01	0.2931E+00	
	0.3050E+01	0.1738E+00	
	0.3735E+01	0.1273E+00	

0.44200E+01 0.79756E-01
 0.51050E+01 0.42517E-01
 0.57900E+01 0.19554E-01
 0.64750E+01 0.78887E-02
 0.71600E+01 0.28271E-02
 0.78450E+01 0.90697E-03
 0.85300E+01 0.26238E-03
 0.92150E+01 0.65638E-04
 0.99000E+01 0.17840E-04
 0.10585E+02 0.50447E-05
 0.11270E+02 0.19941E-05
 0.11955E+02 0.12484E-05
 0.12640E+02 0.10600E-05
 0.13325E+02 0.10134E-05
 0.14010E+02 0.10027E-05
 0.14695E+02 0.10005E-05
 0.15380E+02 0.10001E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.80656E-01
 0.51050E+01 0.44674E-01
 0.57900E+01 0.21471E-01
 0.64750E+01 0.90644E-02
 0.71600E+01 0.34010E-02
 0.78450E+01 0.11440E-02
 0.85300E+01 0.34761E-03
 0.92150E+01 0.96729E-04
 0.99000E+01 0.25581E-04
 0.10585E+02 0.71043E-05
 0.11270E+02 0.25363E-05
 0.11955E+02 0.13964E-05
 0.12640E+02 0.11009E-05
 0.13325E+02 0.10242E-05
 0.14010E+02 0.10053E-05
 0.14695E+02 0.10011E-05
 0.15380E+02 0.10002E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.1000E+01	0.87670E+00
	0.3050E+00	0.9449E+00	
	0.6100E+00	0.8863E+00	
	0.9150E+00	0.8212E+00	
	0.1220E+01	0.7489E+00	
	0.1525E+01	0.6700E+00	
	0.1830E+01	0.5857E+00	
	0.2135E+01	0.4958E+00	
	0.2440E+01	0.3968E+00	
	0.2745E+01	0.2867E+00	
	0.3050E+01	0.1698E+00	
	0.3735E+01	0.1255E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.1000E+01	0.87774E+00
	0.3050E+00	0.9438E+00	
	0.6100E+00	0.8843E+00	
	0.9150E+00	0.8189E+00	
	0.1220E+01	0.7466E+00	
	0.1525E+01	0.6578E+00	
	0.1830E+01	0.5831E+00	
	0.2135E+01	0.4918E+00	
	0.2440E+01	0.3916E+00	
	0.2745E+01	0.2811E+00	
	0.3050E+01	0.1660E+00	
	0.3735E+01	0.1238E+00	

0.44200E+01 0.81346E-01
 0.51050E+01 0.46553E-01
 0.57900E+01 0.23277E-01
 0.64750E+01 0.10254E-01
 0.71600E+01 0.40196E-02
 0.78450E+01 0.14142E-02
 0.85300E+01 0.45008E-03
 0.92150E+01 0.13107E-03
 0.99000E+01 0.35917E-04
 0.10585E+02 0.99766E-05
 0.11270E+02 0.33126E-05
 0.11955E+02 0.16121E-05
 0.12640E+02 0.11624E-05
 0.13325E+02 0.10413E-05
 0.14010E+02 0.10098E-05
 0.14695E+02 0.10021E-05
 0.15380E+02 0.10004E-05
 0.16065E+02 0.10011E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.81896E-01
 0.51050E+01 0.48204E-01
 0.57900E+01 0.24968E-01
 0.64750E+01 0.11442E-01
 0.71600E+01 0.46748E-02
 0.78450E+01 0.17166E-02
 0.85300E+01 0.57078E-03
 0.92150E+01 0.17362E-03
 0.99000E+01 0.49377E-04
 0.10585E+02 0.13885E-04
 0.11270E+02 0.44004E-05
 0.11955E+02 0.19192E-05
 0.12640E+02 0.12521E-05
 0.13325E+02 0.10674E-05
 0.14010E+02 0.10169E-05
 0.14695E+02 0.10039E-05
 0.15380E+02 0.10008E-05
 0.16065E+02 0.10002E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.87880E+00
	0.30500E+00	0.94272E+00	
	0.61000E+00	0.88252E+00	
	0.91500E+00	0.81656E+00	
	0.12200E+01	0.74437E+00	
	0.15250E+01	0.66549E+00	
	0.18300E+01	0.58031E+00	
	0.21350E+01	0.48796E+00	
	0.24400E+01	0.38656E+00	
	0.27450E+01	0.27612E+00	
	0.30500E+01	0.16305E+00	
	0.37350E+01	0.12249E+00	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.87988E+00
	0.30500E+00	0.94170E+00	
	0.61000E+00	0.88075E+00	
	0.91500E+00	0.81460E+00	
	0.12200E+01	0.74200E+00	
	0.15250E+01	0.66302E+00	
	0.18300E+01	0.57732E+00	
	0.21350E+01	0.48402E+00	
	0.24400E+01	0.38177E+00	
	0.27450E+01	0.27161E+00	
	0.30500E+01	0.16047E+00	
	0.37350E+01	0.12129E+00	

0.44200E+01 0.82352E-01
 0.51050E+01 0.49670E-01
 0.57900E+01 0.26550E-01
 0.64750E+01 0.12614E-01
 0.71600E+01 0.53582E-02
 0.78450E+01 0.20489E-02
 0.85300E+01 0.71028E-03
 0.92150E+01 0.22526E-03
 0.99000E+01 0.66509E-04
 0.10585E+02 0.19082E-04
 0.11270E+02 0.58941E-05
 0.11955E+02 0.23484E-05
 0.12640E+02 0.13797E-05
 0.13325E+02 0.11057E-05
 0.14010E+02 0.10280E-05
 0.14695E+02 0.10069E-05
 0.15380E+02 0.10016E-05
 0.16065E+02 0.10003E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.82742E-01
 0.51050E+01 0.50984E-01
 0.57900E+01 0.28029E-01
 0.64750E+01 0.13764E-01
 0.71600E+01 0.60623E-02
 0.78450E+01 0.24086E-02
 0.85300E+01 0.86871E-03
 0.92150E+01 0.28673E-03
 0.99000E+01 0.87865E-04
 0.10585E+02 0.25844E-04
 0.11270E+02 0.79050E-05
 0.11955E+02 0.29377E-05
 0.12640E+02 0.15573E-05
 0.13325E+02 0.11604E-05
 0.14010E+02 0.10445E-05
 0.14695E+02 0.10116E-05
 0.15380E+02 0.10028E-05
 0.16065E+02 0.10006E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.88098E+00
	0.30500E+00	0.94073E+00	
	0.61000E+00	0.87906E+00	
	0.91500E+00	0.81250E+00	
	0.12200E+01	0.73977E+00	
	0.15250E+01	0.66046E+00	
	0.18300E+01	0.57420E+00	
	0.21350E+01	0.48006E+00	
	0.24400E+01	0.37721E+00	
	0.27450E+01	0.26753E+00	
	0.30500E+01	0.15822E+00	
	0.37350E+01	0.12024E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.88210E+00
	0.30500E+00	0.93982E+00	
	0.61000E+00	0.87745E+00	
	0.91500E+00	0.81045E+00	
	0.12200E+01	0.73745E+00	
	0.15250E+01	0.65782E+00	
	0.18300E+01	0.57099E+00	
	0.21350E+01	0.47613E+00	
	0.24400E+01	0.37290E+00	
	0.27450E+01	0.26382E+00	
	0.30500E+01	0.15625E+00	
	0.37350E+01	0.11932E+00	

0.44200E+01 0.83085E-01
 0.51050E+01 0.52172E-01
 0.57900E+01 0.29413E-01
 0.64750E+01 0.14885E-01
 0.71600E+01 0.67804E-02
 0.78450E+01 0.27927E-02
 0.85300E+01 0.10458E-02
 0.92150E+01 0.35863E-03
 0.99000E+01 0.11398E-03
 0.10585E+02 0.34469E-04
 0.11270E+02 0.10561E-04
 0.11955E+02 0.37337E-05
 0.12640E+02 0.18005E-05
 0.13325E+02 0.12369E-05
 0.14010E+02 0.10684E-05
 0.14695E+02 0.10188E-05
 0.15380E+02 0.10048E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.10003E-05
 0.17435E+02 0.10001E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.88323E+00
	0.30500E+00	0.93895E+00	
	0.61000E+00	0.87589E+00	
	0.91500E+00	0.80843E+00	
	0.12200E+01	0.73510E+00	
	0.15250E+01	0.65510E+00	
	0.18300E+01	0.56772E+00	
	0.21350E+01	0.47225E+00	
	0.24400E+01	0.36881E+00	
	0.27450E+01	0.26043E+00	
	0.30500E+01	0.15450E+00	
	0.37350E+01	0.11851E+00	

0.44200E+01 0.83395E-01
 0.51050E+01 0.53255E-01
 0.57900E+01 0.30710E-01
 0.64750E+01 0.15974E-01
 0.71600E+01 0.75067E-02
 0.78450E+01 0.31981E-02
 0.85300E+01 0.12410E-02
 0.92150E+01 0.44137E-03
 0.99000E+01 0.14534E-03
 0.10585E+02 0.45263E-04
 0.11270E+02 0.14007E-04
 0.11955E+02 0.47919E-05
 0.12640E+02 0.21283E-05
 0.13325E+02 0.13416E-05
 0.14010E+02 0.11021E-05
 0.14695E+02 0.10292E-05
 0.15380E+02 0.10079E-05
 0.16065E+02 0.10020E-05
 0.16750E+02 0.10005E-05
 0.17435E+02 0.10001E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.89992E+00
	0.30500E+00	0.94381E+00	
	0.61000E+00	0.88086E+00	
	0.91500E+00	0.81305E+00	
	0.12200E+01	0.73975E+00	
	0.15250E+01	0.65992E+00	
	0.18300E+01	0.57277E+00	
	0.21350E+01	0.47799E+00	
	0.24400E+01	0.37667E+00	
	0.27450E+01	0.27362E+00	
	0.30500E+01	0.17700E+00	
	0.37350E+01	0.12157E+00	

0.44200E+01 0.85576E-01
 0.51050E+01 0.55544E-01
 0.57900E+01 0.33303E-01
 0.64750E+01 0.17985E-01
 0.71600E+01 0.88172E-02
 0.78450E+01 0.39329E-02
 0.85300E+01 0.16018E-02
 0.92150E+01 0.59861E-03
 0.99000E+01 0.20690E-03
 0.10585E+02 0.67159E-04
 0.11270E+02 0.21191E-04
 0.11955E+02 0.70234E-05
 0.12640E+02 0.28125E-05
 0.13325E+02 0.15568E-05
 0.14010E+02 0.11715E-05
 0.14695E+02 0.10514E-05
 0.15380E+02 0.10147E-05
 0.16065E+02 0.10039E-05
 0.16750E+02 0.10010E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.93162E+00
	0.30500E+00	0.95001E+00	
	0.61000E+00	0.89064E+00	
	0.91500E+00	0.82419E+00	
	0.12200E+01	0.75153E+00	
	0.15250E+01	0.67248E+00	
	0.18300E+01	0.58671E+00	
	0.21350E+01	0.49459E+00	
	0.24400E+01	0.39816E+00	
	0.27450E+01	0.30164E+00	
	0.30500E+01	0.20940E+00	
	0.37350E+01	0.13451E+00	

0.44200E+01 0.91013E-01
 0.51050E+01 0.60307E-01
 0.57900E+01 0.37172E-01
 0.64750E+01 0.20983E-01
 0.71600E+01 0.10818E-01
 0.78450E+01 0.50993E-02
 0.85300E+01 0.22013E-02
 0.92150E+01 0.87390E-03
 0.99000E+01 0.32077E-03
 0.10585E+02 0.10998E-03
 0.11270E+02 0.35988E-04
 0.11955E+02 0.11808E-04
 0.12640E+02 0.43050E-05
 0.13325E+02 0.20239E-05
 0.14010E+02 0.13215E-05
 0.14695E+02 0.11001E-05
 0.15380E+02 0.10302E-05
 0.16065E+02 0.10087E-05
 0.16750E+02 0.10024E-05
 0.17435E+02 0.10006E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.97788E+00
	0.30500E+00	0.95615E+00	
	0.61000E+00	0.90223E+00	
	0.91500E+00	0.83969E+00	
	0.12200E+01	0.76971E+00	
	0.15250E+01	0.69298E+00	
	0.18300E+01	0.61009E+00	
	0.21350E+01	0.52607E+00	
	0.24400E+01	0.43085E+00	
	0.27450E+01	0.33913E+00	
	0.30500E+01	0.24910E+00	
	0.37350E+01	0.15742E+00	

0.44200E+01 0.10243E+00
 0.51050E+01 0.67225E-01
 0.57900E+01 0.42493E-01
 0.64750E+01 0.25071E-01
 0.71600E+01 0.1365E-01
 0.78450E+01 0.68350E-02
 0.85300E+01 0.31500E-02
 0.92150E+01 0.13389E-02
 0.99000E+01 0.52683E-03
 0.10585E+02 0.19310E-03
 0.11270E+02 0.66762E-04
 0.11955E+02 0.22386E-04
 0.12640E+02 0.77479E-05
 0.13325E+02 0.31183E-05
 0.14010E+02 0.16721E-05
 0.14695E+02 0.12145E-05
 0.15380E+02 0.10676E-05
 0.16065E+02 0.10206E-05
 0.16750E+02 0.10060E-05
 0.17435E+02 0.10017E-05
 0.18120E+02 0.10004E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12160E+00
 0.51050E+01 0.78508E-01
 0.57900E+01 0.50003E-01
 0.64750E+01 0.30523E-01
 0.71600E+01 0.17492E-01
 0.78450E+01 0.93170E-02
 0.85300E+01 0.45975E-02
 0.92150E+01 0.21018E-02
 0.99000E+01 0.89189E-03
 0.10585E+02 0.35258E-03
 0.11270E+02 0.13074E-03
 0.11955E+02 0.46133E-04
 0.12640E+02 0.15999E-04
 0.13325E+02 0.58558E-05
 0.14010E+02 0.25637E-05
 0.14695E+02 0.15066E-05
 0.15380E+02 0.11642E-05
 0.16065E+02 0.10525E-05
 0.16750E+02 0.10163E-05
 0.17435E+02 0.10048E-05
 0.18120E+02 0.10014E-05
 0.18805E+02 0.10004E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.10383E+01
	0.30500E+00	0.96195E+00	
	0.61000E+00	0.91414E+00	
	0.91500E+00	0.85726E+00	
	0.12200E+01	0.79224E+00	
	0.15250E+01	0.72001E+00	
	0.18300E+01	0.64163E+00	
	0.21350E+01	0.55837E+00	
	0.24400E+01	0.47185E+00	
	0.27450E+01	0.38380E+00	
	0.30500E+01	0.29535E+00	
	0.37350E+01	0.18976E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.11125E+01
	0.30500E+00	0.96736E+00	
	0.61000E+00	0.92577E+00	
	0.91500E+00	0.87543E+00	
	0.12200E+01	0.81686E+00	
	0.15250E+01	0.75085E+00	
	0.18300E+01	0.67837E+00	
	0.21350E+01	0.60060E+00	
	0.24400E+01	0.51883E+00	
	0.27450E+01	0.43426E+00	
	0.30500E+01	0.34752E+00	
	0.37350E+01	0.23089E+00	

0.44200E+01 0.14947E+00
 0.51050E+01 0.96006E-01
 0.57900E+01 0.61144E-01
 0.64750E+01 0.38040E-01
 0.71600E+01 0.22683E-01
 0.78450E+01 0.12773E-01
 0.85300E+01 0.67344E-02
 0.92150E+01 0.33128E-02
 0.99000E+01 0.15196E-02
 0.10585E+02 0.65095E-03
 0.11270E+02 0.26130E-03
 0.11955E+02 0.98983E-04
 0.12640E+02 0.35928E-04
 0.13325E+02 0.12934E-04
 0.14010E+02 0.49749E-05
 0.14695E+02 0.23133E-05
 0.15380E+02 0.14343E-05
 0.16065E+02 0.11432E-05
 0.16750E+02 0.10465E-05
 0.17435E+02 0.10147E-05
 0.18120E+02 0.10045E-05
 0.18805E+02 0.10013E-05
 0.19490E+02 0.10004E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.18640E+00
 0.51050E+01 0.12122E+00
 0.57900E+01 0.77620E-01
 0.64750E+01 0.48846E-01
 0.71600E+01 0.29906E-01
 0.78450E+01 0.17585E-01
 0.85300E+01 0.98218E-02
 0.92150E+01 0.51729E-02
 0.99000E+01 0.25595E-02
 0.10585E+02 0.11884E-02
 0.11270E+02 0.51822E-03
 0.11955E+02 0.21290E-03
 0.12640E+02 0.82959E-04
 0.13325E+02 0.31122E-04
 0.14010E+02 0.11629E-04
 0.14695E+02 0.46521E-05
 0.15380E+02 0.22398E-05
 0.16065E+02 0.14192E-05
 0.16750E+02 0.11408E-05
 0.17435E+02 0.10466E-05
 0.18120E+02 0.10151E-05
 0.18805E+02 0.10047E-05
 0.19490E+02 0.10014E-05
 0.20175E+02 0.10004E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.12003E+01
	0.30500E+00	0.97235E+00	
	0.61000E+00	0.93679E+00	
	0.91500E+00	0.89317E+00	
	0.12200E+01	0.84170E+00	
	0.15250E+01	0.78281E+00	
	0.18300E+01	0.71719E+00	
	0.21350E+01	0.64572E+00	
	0.24400E+01	0.56932E+00	
	0.27450E+01	0.48881E+00	
	0.30500E+01	0.40456E+00	
	0.37350E+01	0.28001E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.13013E+01
	0.30500E+00	0.97688E+00	
	0.61000E+00	0.94691E+00	
	0.91500E+00	0.90978E+00	
	0.12200E+01	0.86539E+00	
	0.15250E+01	0.81388E+00	
	0.18300E+01	0.75561E+00	
	0.21350E+01	0.69105E+00	
	0.24400E+01	0.62079E+00	
	0.27450E+01	0.54531E+00	
	0.30500E+01	0.46478E+00	
	0.37350E+01	0.33585E+00	

0.44200E+01 0.23211E+00
 0.51050E+01 0.15510E+00
 0.57900E+01 0.10108E+00
 0.64750E+01 0.64528E-01
 0.71600E+01 0.40222E-01
 0.78450E+01 0.24455E-01
 0.85300E+01 0.14282E-01
 0.92150E+01 0.79701E-02
 0.99000E+01 0.42217E-02
 0.10585E+02 0.21147E-02
 0.11270E+02 0.10001E-02
 0.11955E+02 0.44665E-03
 0.12640E+02 0.18885E-03
 0.13325E+02 0.76050E-04
 0.14010E+02 0.29568E-04
 0.14695E+02 0.11449E-04
 0.15380E+02 0.47148E-05
 0.16065E+02 0.22933E-05
 0.16750E+02 0.14505E-05
 0.17435E+02 0.11548E-05
 0.18120E+02 0.10524E-05
 0.18805E+02 0.10174E-05
 0.19490E+02 0.10056E-05
 0.20175E+02 0.10018E-05
 0.20860E+02 0.10005E-05
 0.21545E+02 0.10002E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.28564E+00
 0.51050E+01 0.19791E+00
 0.57900E+01 0.13278E+00
 0.64750E+01 0.86739E-01
 0.71600E+01 0.55335E-01
 0.78450E+01 0.34442E-01
 0.85300E+01 0.20830E-01
 0.92150E+01 0.12166E-01
 0.99000E+01 0.68203E-02
 0.10585E+02 0.36511E-02
 0.11270E+02 0.18597E-02
 0.11955E+02 0.89958E-03
 0.12640E+02 0.41312E-03
 0.13325E+02 0.18043E-03
 0.14010E+02 0.75311E-04
 0.14695E+02 0.30395E-04
 0.15380E+02 0.12178E-04
 0.16065E+02 0.51243E-05
 0.16750E+02 0.24913E-05
 0.17435E+02 0.15323E-05
 0.18120E+02 0.11878E-05
 0.18805E+02 0.10652E-05
 0.19490E+02 0.10222E-05
 0.20175E+02 0.10074E-05
 0.20860E+02 0.10024E-05
 0.21545E+02 0.10008E-05
 0.22230E+02 0.10002E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.14155E+01
	0.3050E+00	0.98089E+00	
	0.6100E+00	0.95596E+00	
	0.9150E+00	0.92478E+00	
	0.1220E+01	0.88709E+00	
	0.1525E+01	0.84278E+00	
	0.1830E+01	0.79188E+00	
	0.2135E+01	0.73457E+00	
	0.2440E+01	0.67107E+00	
	0.2745E+01	0.60158E+00	
	0.3050E+01	0.52605E+00	
	0.3735E+01	0.39659E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.15427E+01
	0.3050E+00	0.98435E+00	
	0.6100E+00	0.96384E+00	
	0.9150E+00	0.93797E+00	
	0.1220E+01	0.90637E+00	
	0.1525E+01	0.86877E+00	
	0.1830E+01	0.82497E+00	
	0.2135E+01	0.77490E+00	
	0.2440E+01	0.71851E+00	
	0.2745E+01	0.65971E+00	
	0.3050E+01	0.58630E+00	
	0.3735E+01	0.46000E+00	

0.44200E+01 0.34536E+00
 0.51050E+01 0.24908E+00
 0.57900E+01 0.17332E+00
 0.64750E+01 0.11687E+00
 0.71600E+01 0.76660E-01
 0.78450E+01 0.49020E-01
 0.85300E+01 0.30549E-01
 0.92150E+01 0.18508E-01
 0.99000E+01 0.10857E-01
 0.10585E+02 0.61396E-02
 0.11270E+02 0.33329E-02
 0.11955E+02 0.17312E-02
 0.12640E+02 0.85867E-03
 0.13325E+02 0.40639E-03
 0.14010E+02 0.18370E-03
 0.14695E+02 0.79610E-04
 0.15380E+02 0.33382E-04
 0.16065E+02 0.13833E-04
 0.16750E+02 0.59274E-05
 0.17435E+02 0.28482E-05
 0.18120E+02 0.16818E-05
 0.18805E+02 0.12479E-05
 0.19490E+02 0.10887E-05
 0.20175E+02 0.10311E-05
 0.20860E+02 0.10107E-05
 0.21545E+02 0.10036E-05
 0.22230E+02 0.10012E-05
 0.22915E+02 0.10004E-05
 0.23600E+02 0.10001E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.40912E+00
 0.51050E+01 0.30729E+00
 0.57900E+01 0.22248E+00
 0.64750E+01 0.15572E+00
 0.71600E+01 0.10570E+00
 0.78450E+01 0.69768E-01
 0.85300E+01 0.44857E-01
 0.92150E+01 0.28096E-01
 0.99000E+01 0.17122E-01
 0.10585E+02 0.10126E-01
 0.11270E+02 0.57934E-02
 0.11955E+02 0.31964E-02
 0.12640E+02 0.16959E-02
 0.13325E+02 0.86358E-03
 0.14010E+02 0.42159E-03
 0.14695E+02 0.19739E-03
 0.15380E+02 0.88864E-04
 0.16065E+02 0.38731E-04
 0.16750E+02 0.16605E-04
 0.17435E+02 0.72488E-05
 0.18120E+02 0.34385E-05
 0.18805E+02 0.19330E-05
 0.19490E+02 0.13511E-05
 0.20175E+02 0.11299E-05
 0.20860E+02 0.10472E-05
 0.21545E+02 0.10167E-05
 0.22230E+02 0.10058E-05
 0.22915E+02 0.10020E-05
 0.23600E+02 0.10006E-05
 0.24285E+02 0.10002E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.16828E+01
	0.3050E+00	0.98730E+00	
	0.6100E+00	0.97055E+00	
	0.9150E+00	0.94930E+00	
	0.1220E+01	0.92310E+00	
	0.1525E+01	0.89157E+00	
	0.1830E+01	0.85438E+00	
	0.2135E+01	0.81128E+00	
	0.2440E+01	0.76200E+00	
	0.2745E+01	0.70627E+00	
	0.3050E+01	0.64372E+00	
	0.3735E+01	0.52381E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.18358E+01
	0.3050E+00	0.98976E+00	
	0.6100E+00	0.97620E+00	
	0.9150E+00	0.95888E+00	
	0.1220E+01	0.93735E+00	
	0.1525E+01	0.91119E+00	
	0.1830E+01	0.87995E+00	
	0.2135E+01	0.84337E+00	
	0.2440E+01	0.80095E+00	
	0.2745E+01	0.75232E+00	
	0.3050E+01	0.69699E+00	
	0.3735E+01	0.58593E+00	

0.44200E+01 0.47458E+00
 0.51050E+01 0.37055E+00
 0.57900E+01 0.27919E+00
 0.64750E+01 0.20329E+00
 0.71600E+01 0.14336E+00
 0.78450E+01 0.98126E-01
 0.85300E+01 0.65320E-01
 0.92150E+01 0.42345E-01
 0.99000E+01 0.26746E-01
 0.10585E+02 0.16449E-01
 0.11270E+02 0.98361E-02
 0.11955E+02 0.57068E-02
 0.12640E+02 0.32051E-02
 0.13325E+02 0.17385E-02
 0.14010E+02 0.90912E-03
 0.14695E+02 0.45779E-03
 0.15380E+02 0.22195E-03
 0.16065E+02 0.10377E-03
 0.16750E+02 0.47007E-04
 0.17435E+02 0.20868E-04
 0.18120E+02 0.93068E-05
 0.18805E+02 0.43799E-05
 0.19490E+02 0.23449E-05
 0.20175E+02 0.15255E-05
 0.20860E+02 0.12017E-05
 0.21545E+02 0.10760E-05
 0.22230E+02 0.10280E-05
 0.22915E+02 0.10101E-05
 0.23600E+02 0.10035E-05
 0.24285E+02 0.10012E-05
 0.24970E+02 0.10004E-05
 0.25655E+02 0.10001E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.53950E+00
 0.51050E+01 0.43659E+00
 0.57900E+01 0.34168E+00
 0.64750E+01 0.25874E+00
 0.71600E+01 0.18980E+00
 0.78450E+01 0.13505E+00
 0.85300E+01 0.93363E-01
 0.92150E+01 0.62802E-01
 0.99000E+01 0.41150E-01
 0.10585E+02 0.26279E-01
 0.11270E+02 0.16355E-01
 0.11955E+02 0.99122E-02
 0.12640E+02 0.58829E-02
 0.13325E+02 0.33436E-02
 0.14010E+02 0.18548E-02
 0.14695E+02 0.99587E-03
 0.15380E+02 0.51691E-03
 0.16065E+02 0.25927E-03
 0.16750E+02 0.12576E-03
 0.17435E+02 0.59179E-04
 0.18120E+02 0.27221E-04
 0.18805E+02 0.12450E-04
 0.19490E+02 0.58823E-05
 0.20175E+02 0.30160E-05
 0.20860E+02 0.18196E-05
 0.21545E+02 0.13271E-05
 0.22230E+02 0.11281E-05
 0.22915E+02 0.10491E-05
 0.23600E+02 0.10184E-05
 0.24285E+02 0.10068E-05
 0.24970E+02 0.10024E-05
 0.25655E+02 0.10008E-05
 0.26340E+02 0.10003E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.20017E+01
	0.3050E+00	0.99179E+00	
	0.6100E+00	0.98088E+00	
	0.9150E+00	0.96687E+00	
	0.1220E+01	0.94933E+00	
	0.1525E+01	0.92782E+00	
	0.1830E+01	0.90192E+00	
	0.2135E+01	0.87119E+00	
	0.2440E+01	0.83517E+00	
	0.2745E+01	0.79338E+00	
	0.3050E+01	0.74526E+00	
	0.3735E+01	0.64469E+00	

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.10000E+01	0.21806E+01
	0.3050E+00	0.99345E+00	
	0.6100E+00	0.98473E+00	
	0.9150E+00	0.97347E+00	
	0.1220E+01	0.95928E+00	
	0.1525E+01	0.94175E+00	
	0.1830E+01	0.92045E+00	
	0.2135E+01	0.89495E+00	
	0.2440E+01	0.86475E+00	
	0.2745E+01	0.82934E+00	
	0.3050E+01	0.78913E+00	
	0.3735E+01	0.69888E+00	

0.44200E+01 0.60194E+00
 0.51050E+01 0.50308E+00
 0.57900E+01 0.40776E+00
 0.64750E+01 0.32047E+00
 0.71600E+01 0.24430E+00
 0.78450E+01 0.18076E+00
 0.85300E+01 0.12995E+00
 0.92150E+01 0.90868E-01
 0.99000E+01 0.61869E-01
 0.10585E+02 0.41055E-01
 0.11270E+02 0.26567E-01
 0.11955E+02 0.16768E-01
 0.12640E+02 0.10319E-01
 0.13325E+02 0.61877E-02
 0.14010E+02 0.36114E-02
 0.14695E+02 0.20492E-02
 0.15380E+02 0.11291E-02
 0.16065E+02 0.60350E-03
 0.16750E+02 0.31274E-03
 0.17435E+02 0.15717E-03
 0.18120E+02 0.76742E-04
 0.18805E+02 0.36586E-04
 0.19490E+02 0.17220E-04
 0.20175E+02 0.81899E-05
 0.20860E+02 0.41099E-05
 0.21545E+02 0.23169E-05
 0.22230E+02 0.15472E-05
 0.22915E+02 0.12232E-05
 0.23600E+02 0.10892E-05
 0.24285E+02 0.10349E-05
 0.24970E+02 0.10134E-05
 0.25655E+02 0.10050E-05
 0.26340E+02 0.10018E-05
 0.27025E+02 0.10007E-05
 0.27710E+02 0.10002E-05
 0.28395E+02 0.10001E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

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*
* POLLUTE SIMULATION
*
* ANALYSIS COMPLETED
*
* TIME - 11:25:54
* EXECUTION TIME 0:3
*
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NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY.

#VAR Existing Expansion Area - ELIDHMK.IH
 # 2 HOLAY :No. of Layers
 ARE ANY LAYERS FRACTURED?
 0 0.0315 0.36 0 1.91 3.05 10
 0.018 0.41 0 1.69 27.4 40
 # 2 MT - Top Boundary Code
 # 4 MB - Base Boundary Code
 # Is there Decay
 # Do you have an initial concentration profile?
 # Is there a variation in velocity within groups?
 # Number of groups of variable data
 # Time at which analysis starts
 0 5 5 1 1 T(end), No. Time Steps, CO
 0 0 0.00756 0 0 DCO, DVa, DVb, DQc
 0 15 2 0.9 1 Va, alpha
 0 0.0378 0 0 T(end), No. Time Steps, CO
 0 16 1 0.9 1 DCO, DVa, DVb, DQc
 0 0 0 0 Va, alpha
 0.0378 19 3 1 1 T(end), No. Time Steps, CO
 0 0 0 0 DCO, DVa, DVb, DQc
 0.0378 20 1 0.9 1 Va, alpha
 0 0 0 0 T(end), No. Time Steps, CO
 0 75 11 0.9 1 DCO, DVa, DVb, DQc
 0 0 0 0 Va, alpha
 145 14 1 1 T(end), No. Time Steps, CO
 0 0 0.0027 0 0 DCO, DVa, DVb, DQc
 0 0 0.9 1 Va, alpha
 # Accept default TALBOT parameters?
 # Limited number of depths for results

R428

.....
 * P O L L U T E v 6 S I M U L A T I O N *
 * * * * *
 * RUI DATE - 27- 8-*** *
 * TIME - 11:27:36 *
 * * * * *
 * REVISION - 1994/03/01 *
 * * * * *
 * VERSION 6.0.2 *
 * * * * *
 * COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995 *
 * * * * *
 * LICENSED USER: Andrews Environmental Eng. Inc *
 * * * * *

.....
 #VAR Existing Expansion Area - ELIDHMK.IH

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR
 HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION
 WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	PROPERTIES OF THE MATRIX DISTRIBUTION/PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.31500E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS
 are defined by CODES Top = 2 Bottom = 4
 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.72096E-01
	0.30500E+00	0.22431E+00	
	0.61000E+00	0.15086E-01	
	0.91500E+00	0.26693E-03	
	0.12300E+01	0.11703E-05	
	0.15250E+01	0.12353E-08	
	0.18300E+01	0.45669E-12	
	0.21350E+01	0.13976E-13	
	0.24400E+01	0.90996E-15	
	0.27450E+01	0.40377E-16	
	0.30500E+01	0.12790E-17	
	0.37350E+01	0.24030E-23	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate Collected	Volume
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01 0.22967E-30
 0.51050E+01 0.34709E-35
 0.57900E+01 0.53072E-41
 0.64750E+01 0.14594E-47
 0.71600E+01 0.00000E+00
 0.78450E+01 0.00000E+00
 0.85300E+01 0.00000E+00
 0.92150E+01 0.00000E+00
 0.99000E+01 0.00000E+00
 0.10585E+02 0.00000E+00
 0.11270E+02 0.00000E+00
 0.11955E+02 0.00000E+00
 0.12640E+02 0.00000E+00
 0.13325E+02 0.00000E+00
 0.14010E+02 0.00000E+00
 0.14695E+02 0.00000E+00
 0.15380E+02 0.00000E+00
 0.16065E+02 0.00000E+00
 0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

0.44200E+01 0.12097E-19
 0.51050E+01 0.18491E-19
 0.57900E+01 0.76349E-13
 0.64750E+01 0.40698E-08
 0.71600E+01 0.48283E-06
 0.78450E+01 0.99477E-06
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.10000E+01	0.12485E+00
	0.30500E+00	0.46333E+00	
	0.61000E+00	0.13679E+00	
	0.91500E+00	0.24980E-01	
	0.12200E+01	0.27651E-02	
	0.15250E+01	0.18199E-03	
	0.18300E+01	0.70176E-05	
	0.21350E+01	0.15705E-06	
	0.24400E+01	0.20288E-08	
	0.27450E+01	0.15120E-10	
	0.30500E+01	0.74932E-13	
	0.37350E+01	0.22409E-16	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.17855E+00
	0.30500E+00	0.61401E+00	
	0.61000E+00	0.29694E+00	
	0.91500E+00	0.11140E+00	
	0.12200E+01	0.32074E-01	
	0.15250E+01	0.70226E-02	
	0.18300E+01	0.11610E-02	
	0.21350E+01	0.14421E-03	
	0.24400E+01	0.13408E-04	
	0.27450E+01	0.93012E-06	
	0.30500E+01	0.48525E-07	
	0.37350E+01	0.51687E-11	

0.44200E+01 0.18496E-15
 0.51050E+01 0.12087E-12
 0.57900E+01 0.19534E-09
 0.64750E+01 0.25561E-07
 0.71600E+01 0.36479E-06
 0.78450E+01 0.86627E-06
 0.85300E+01 0.99651E-06
 0.92150E+01 0.99998E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.72401E-10
 0.51050E+01 0.25909E-10
 0.57900E+01 0.22143E-08
 0.64750E+01 0.48788E-07
 0.71600E+01 0.31485E-06
 0.78450E+01 0.73861E-06
 0.85300E+01 0.95791E-06
 0.92150E+01 0.99781E-06
 0.99000E+01 0.99996E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.23516E+00
	0.30500E+00	0.71241E+00	
	0.61000E+00	0.43815E+00	
	0.91500E+00	0.23046E+00	
	0.12200E+01	0.10295E+00	
	0.15250E+01	0.38826E-01	
	0.18300E+01	0.12306E-01	
	0.21350E+01	0.32665E-02	
	0.24400E+01	0.72423E-03	
	0.27450E+01	0.13384E-03	
	0.30500E+01	0.20599E-04	
	0.37350E+01	0.72817E-07	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.29550E+00
	0.30500E+00	0.78015E+00	
	0.61000E+00	0.55147E+00	
	0.91500E+00	0.35092E+00	
	0.12200E+01	0.20002E+00	
	0.15250E+01	0.10169E+00	
	0.18300E+01	0.45960E-01	
	0.21350E+01	0.18415E-01	
	0.24400E+01	0.65283E-02	
	0.27450E+01	0.20437E-02	
	0.30500E+01	0.56157E-03	
	0.37350E+01	0.12159E-04	

0.44200E+01 0.11071E-06
 0.51050E+01 0.75543E-09
 0.57900E+01 0.69768E-08
 0.64750E+01 0.66041E-07
 0.71600E+01 0.28525E-06
 0.78450E+01 0.63581E-06
 0.85300E+01 0.89202E-06
 0.92150E+01 0.98271E-06
 0.99000E+01 0.99861E-06
 0.10585E+02 0.99994E-06
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.50682E-02
 0.51050E+01 0.82664E-03
 0.57900E+01 0.10137E-03
 0.64750E+01 0.94021E-05
 0.71600E+01 0.86667E-06
 0.78450E+01 0.45389E-06
 0.85300E+01 0.63517E-06
 0.92150E+01 0.81074E-06
 0.99000E+01 0.92165E-06
 0.10585E+02 0.57440E-06
 0.11270E+02 0.59345E-06
 0.11955E+02 0.59870E-06
 0.12640E+02 0.59980E-06
 0.13325E+02 0.59998E-06
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.57588E+00
	0.30500E+00	0.91190E+00	
	0.61000E+00	0.80762E+00	
	0.91500E+00	0.69280E+00	
	0.12200E+01	0.57433E+00	
	0.15250E+01	0.45922E+00	
	0.18300E+01	0.35355E+00	
	0.21350E+01	0.26173E+00	
	0.24400E+01	0.18604E+00	
	0.27450E+01	0.12673E+00	
	0.30500E+01	0.82428E-01	
	0.37350E+01	0.23459E-01	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.80995E+00
	0.30500E+00	0.94796E+00	
	0.61000E+00	0.88480E+00	
	0.91500E+00	0.81193E+00	
	0.12200E+01	0.73151E+00	
	0.15250E+01	0.64626E+00	
	0.18300E+01	0.55922E+00	
	0.21350E+01	0.47346E+00	
	0.24400E+01	0.39174E+00	
	0.27450E+01	0.31632E+00	
	0.30500E+01	0.24880E+00	
	0.37350E+01	0.12305E+00	

0.44200E+01 0.51786E-01
 0.51050E+01 0.18461E-01
 0.57900E+01 0.55602E-02
 0.64750E+01 0.14129E-02
 0.71600E+01 0.30262E-03
 0.78450E+01 0.54809E-04
 0.85300E+01 0.87567E-05
 0.92150E+01 0.17153E-05
 0.99000E+01 0.90816E-06
 0.10585E+02 0.90128E-06
 0.11270E+02 0.95078E-06
 0.11955E+02 0.98039E-06
 0.12640E+02 0.99333E-06
 0.13325E+02 0.99807E-06
 0.14010E+02 0.99952E-06
 0.14695E+02 0.99990E-06
 0.15380E+02 0.99998E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.66531E-01
 0.51050E+01 0.25926E-01
 0.57900E+01 0.86469E-02
 0.64750E+01 0.24638E-02
 0.71600E+01 0.59918E-03
 0.78450E+01 0.12456E-03
 0.85300E+01 0.22579E-04
 0.92150E+01 0.41016E-05
 0.99000E+01 0.12719E-05
 0.10585E+02 0.93404E-06
 0.11270E+02 0.94170E-06
 0.11955E+02 0.97234E-06
 0.12640E+02 0.98939E-06
 0.13325E+02 0.99651E-06
 0.14010E+02 0.99901E-06
 0.14695E+02 0.99976E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.85448E+00
	0.30500E+00	0.95189E+00	
	0.61000E+00	0.89353E+00	
	0.91500E+00	0.82605E+00	
	0.12200E+01	0.75118E+00	
	0.15250E+01	0.67109E+00	
	0.18300E+01	0.58634E+00	
	0.21350E+01	0.50560E+00	
	0.24400E+01	0.42538E+00	
	0.27450E+01	0.34982E+00	
	0.30500E+01	0.28060E+00	
	0.37350E+01	0.14681E+00	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.89849E+00
	0.30500E+00	0.95550E+00	
	0.61000E+00	0.90142E+00	
	0.91500E+00	0.83871E+00	
	0.12200E+01	0.76876E+00	
	0.15250E+01	0.69377E+00	
	0.18300E+01	0.61469E+00	
	0.21350E+01	0.53503E+00	
	0.24400E+01	0.45664E+00	
	0.27450E+01	0.38153E+00	
	0.30500E+01	0.31143E+00	
	0.37350E+01	0.17135E+00	

0.44200E+01 0.82631E-01
 0.51050E+01 0.34730E-01
 0.57900E+01 0.12649E-01
 0.64750E+01 0.39804E-02
 0.71600E+01 0.10807E-02
 0.78450E+01 0.25332E-03
 0.85300E+01 0.51768E-04
 0.92150E+01 0.98194E-05
 0.99000E+01 0.22910E-05
 0.10585E+02 0.10979E-05
 0.11270E+02 0.95494E-06
 0.11955E+02 0.96613E-06
 0.12640E+02 0.98466E-06
 0.13325E+02 0.99432E-06
 0.14010E+02 0.99818E-06
 0.14695E+02 0.99949E-06
 0.15380E+02 0.99978E-06
 0.16065E+02 0.99997E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.94218E-01
 0.51050E+01 0.41501E-01
 0.57900E+01 0.15972E-01
 0.64750E+01 0.53522E-02
 0.71600E+01 0.15587E-02
 0.78450E+01 0.39454E-03
 0.85300E+01 0.87368E-04
 0.92150E+01 0.17606E-04
 0.99000E+01 0.38455E-05
 0.10585E+02 0.14009E-05
 0.11270E+02 0.10048E-05
 0.11955E+02 0.96823E-06
 0.12640E+02 0.98144E-06
 0.13325E+02 0.99227E-06
 0.14010E+02 0.99729E-06
 0.14695E+02 0.99917E-06
 0.15380E+02 0.99978E-06
 0.16065E+02 0.99995E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.92817E+00
	0.30500E+00	0.95681E+00	
	0.61000E+00	0.90506E+00	
	0.91500E+00	0.84530E+00	
	0.12200E+01	0.77853E+00	
	0.15250E+01	0.70628E+00	
	0.18300E+01	0.63044E+00	
	0.21350E+01	0.55309E+00	
	0.24400E+01	0.47634E+00	
	0.27450E+01	0.40218E+00	
	0.30500E+01	0.33259E+00	
	0.37350E+01	0.18796E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.94380E+00
	0.30500E+00	0.95623E+00	
	0.61000E+00	0.90520E+00	
	0.91500E+00	0.84683E+00	
	0.12200E+01	0.78176E+00	
	0.15250E+01	0.71130E+00	
	0.18300E+01	0.63718E+00	
	0.21350E+01	0.56136E+00	
	0.24400E+01	0.48589E+00	
	0.27450E+01	0.41290E+00	
	0.30500E+01	0.34478E+00	
	0.37350E+01	0.19645E+00	

0.44200E+01 0.10044E+00
 0.51050E+01 0.45373E-01
 0.57900E+01 0.17994E-01
 0.64750E+01 0.62418E-02
 0.71600E+01 0.18898E-02
 0.78450E+01 0.49936E-03
 0.85300E+01 0.11582E-03
 0.92150E+01 0.24357E-04
 0.99000E+01 0.53281E-05
 0.10585E+02 0.17309E-05
 0.11270E+02 0.10754E-05
 0.11955E+02 0.97823E-06
 0.12640E+02 0.98058E-06
 0.13325E+02 0.99087E-06
 0.14010E+02 0.99657E-06
 0.14695E+02 0.99888E-06
 0.15380E+02 0.99968E-06
 0.16065E+02 0.99992E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10112E+00
 0.51050E+01 0.45995E-01
 0.57900E+01 0.18403E-01
 0.64750E+01 0.64513E-02
 0.71600E+01 0.19774E-02
 0.78450E+01 0.52990E-03
 0.85300E+01 0.12494E-03
 0.92150E+01 0.26802E-04
 0.99000E+01 0.59732E-05
 0.10585E+02 0.19120E-05
 0.11270E+02 0.11259E-05
 0.11955E+02 0.98890E-06
 0.12640E+02 0.98145E-06
 0.13325E+02 0.99036E-06
 0.14010E+02 0.99619E-06
 0.14695E+02 0.99871E-06
 0.15380E+02 0.99962E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.94546E+00
	0.30500E+00	0.95335E+00	
	0.61000E+00	0.90187E+00	
	0.91500E+00	0.84365E+00	
	0.12200E+01	0.77901E+00	
	0.15250E+01	0.70915E+00	
	0.18300E+01	0.63573E+00	
	0.21350E+01	0.56066E+00	
	0.24400E+01	0.48603E+00	
	0.27450E+01	0.41446E+00	
	0.30500E+01	0.35047E+00	
	0.37350E+01	0.19680E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.95472E+00
	0.30500E+00	0.94727E+00	
	0.61000E+00	0.89227E+00	
	0.91500E+00	0.83341E+00	
	0.12200E+01	0.77009E+00	
	0.15250E+01	0.70273E+00	
	0.18300E+01	0.63258E+00	
	0.21350E+01	0.56149E+00	
	0.24400E+01	0.49174E+00	
	0.27450E+01	0.42582E+00	
	0.30500E+01	0.36596E+00	
	0.37350E+01	0.20680E+00	

0.44200E+01 0.10793E+00
 0.51050E+01 0.50743E-01
 0.57900E+01 0.21179E-01
 0.64750E+01 0.78070E-02
 0.71600E+01 0.2534E-02
 0.78450E+01 0.72506E-03
 0.85300E+01 0.18339E-03
 0.92150E+01 0.41955E-04
 0.99000E+01 0.94632E-05
 0.10585E+02 0.26788E-05
 0.11270E+02 0.13022E-05
 0.11955E+02 0.10282E-05
 0.12640E+02 0.98723E-06
 0.13325E+02 0.9879E-06
 0.14010E+02 0.9551E-06
 0.14695E+02 0.99826E-06
 0.15380E+02 0.9994E-06
 0.16065E+02 0.99984E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11500E+00
 0.51050E+01 0.55516E-01
 0.57900E+01 0.24046E-01
 0.64750E+01 0.92712E-02
 0.71600E+01 0.31715E-02
 0.78450E+01 0.96166E-03
 0.85300E+01 0.25922E-03
 0.92150E+01 0.63082E-04
 0.99000E+01 0.14682E-04
 0.10585E+02 0.38848E-05
 0.11270E+02 0.15858E-05
 0.11955E+02 0.10959E-05
 0.12640E+02 0.10010E-05
 0.13325E+02 0.99110E-06
 0.14010E+02 0.99469E-06
 0.14695E+02 0.99777E-06
 0.15380E+02 0.99922E-06
 0.16065E+02 0.99976E-06
 0.16750E+02 0.99993E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.96485E+00
	0.30500E+00	0.94388E+00	
	0.61000E+00	0.88639E+00	
	0.91500E+00	0.82643E+00	
	0.12200E+01	0.76358E+00	
	0.15250E+01	0.69808E+00	
	0.18300E+01	0.63083E+00	
	0.21350E+01	0.56329E+00	
	0.24400E+01	0.49722E+00	
	0.27450E+01	0.43442E+00	
	0.30500E+01	0.37653E+00	
	0.37350E+01	0.21695E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.10000E+01	0.97551E+00
	0.30500E+00	0.94170E+00	
	0.61000E+00	0.88252E+00	
	0.91500E+00	0.82182E+00	
	0.12200E+01	0.75930E+00	
	0.15250E+01	0.69516E+00	
	0.18300E+01	0.63012E+00	
	0.21350E+01	0.56526E+00	
	0.24400E+01	0.50188E+00	
	0.27450E+01	0.44137E+00	
	0.30500E+01	0.38507E+00	
	0.37350E+01	0.22644E+00	

0.44200E+01 0.12221E+00
 0.51050E+01 0.60372E-01
 0.57900E+01 0.26999E-01
 0.64750E+01 0.10835E-01
 0.71600E+01 0.38843E-02
 0.78450E+01 0.12418E-02
 0.85300E+01 0.35472E-03
 0.92150E+01 0.91502E-04
 0.99000E+01 0.22179E-04
 0.10585E+02 0.57093E-05
 0.11270E+02 0.20269E-05
 0.11955E+02 0.12059E-05
 0.12640E+02 0.10268E-05
 0.13325E+02 0.99562E-06
 0.14010E+02 0.99474E-06
 0.14695E+02 0.99735E-06
 0.15380E+02 0.99897E-06
 0.16065E+02 0.99965E-06
 0.16750E+02 0.99990E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12938E+00
 0.51050E+01 0.65212E-01
 0.57900E+01 0.30043E-01
 0.64750E+01 0.12493E-01
 0.71600E+01 0.46719E-02
 0.78450E+01 0.15672E-02
 0.85300E+01 0.47195E-03
 0.92150E+01 0.12856E-03
 0.99000E+01 0.32576E-04
 0.10585E+02 0.83760E-05
 0.11270E+02 0.26920E-05
 0.11955E+02 0.13767E-05
 0.12640E+02 0.10702E-05
 0.13325E+02 0.10051E-05
 0.14010E+02 0.99602E-06
 0.14695E+02 0.99714E-06
 0.15380E+02 0.99872E-06
 0.16065E+02 0.99953E-06
 0.16750E+02 0.99985E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.98651E+00
	0.30500E+00	0.94027E+00	
	0.61000E+00	0.88002E+00	
	0.91500E+00	0.81886E+00	
	0.12200E+01	0.75664E+00	
	0.15250E+01	0.69356E+00	
	0.18300E+01	0.63018E+00	
	0.21350E+01	0.56733E+00	
	0.24400E+01	0.50601E+00	
	0.27450E+01	0.44732E+00	
	0.30500E+01	0.39239E+00	
	0.37350E+01	0.23522E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.99773E+00
	0.30500E+00	0.93937E+00	
	0.61000E+00	0.87845E+00	
	0.91500E+00	0.81706E+00	
	0.12200E+01	0.75514E+00	
	0.15250E+01	0.69292E+00	
	0.18300E+01	0.63083E+00	
	0.21350E+01	0.56954E+00	
	0.24400E+01	0.50984E+00	
	0.27450E+01	0.45264E+00	
	0.30500E+01	0.39889E+00	
	0.37350E+01	0.24336E+00	

0.44200E+01 0.13640E+00
 0.51050E+01 0.70306E-01
 0.57900E+01 0.33176E-01
 0.64750E+01 0.14242E-01
 0.71600E+01 0.55232E-02
 0.78450E+01 0.19386E-02
 0.85300E+01 0.61273E-03
 0.92150E+01 0.17560E-03
 0.99000E+01 0.46554E-04
 0.10585E+02 0.12153E-04
 0.11270E+02 0.36673E-05
 0.11955E+02 0.16330E-05
 0.12640E+02 0.11387E-05
 0.13325E+02 0.10221E-05
 0.14010E+02 0.99934E-06
 0.14695E+02 0.99739E-06
 0.15380E+02 0.99850E-06
 0.16065E+02 0.99939E-06
 0.16750E+02 0.99979E-06
 0.17435E+02 0.99993E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14322E+00
 0.51050E+01 0.75315E-01
 0.57900E+01 0.36391E-01
 0.64750E+01 0.16078E-01
 0.71600E+01 0.64639E-02
 0.78450E+01 0.23569E-02
 0.85300E+01 0.77867E-03
 0.92150E+01 0.23393E-03
 0.99000E+01 0.64838E-04
 0.10585E+02 0.17350E-04
 0.11270E+02 0.50604E-05
 0.11955E+02 0.20072E-05
 0.12640E+02 0.12420E-05
 0.13325E+02 0.10498E-05
 0.14010E+02 0.10058E-05
 0.14695E+02 0.99845E-06
 0.15380E+02 0.99805E-06
 0.16065E+02 0.99927E-06
 0.16750E+02 0.99972E-06
 0.17435E+02 0.99990E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.10091E+01
	0.30500E+00	0.93893E+00	
	0.61000E+00	0.87754E+00	
	0.91500E+00	0.81608E+00	
	0.12200E+01	0.75449E+00	
	0.15250E+01	0.69298E+00	
	0.18300E+01	0.63193E+00	
	0.21350E+01	0.57189E+00	
	0.24400E+01	0.51351E+00	
	0.27450E+01	0.45754E+00	
	0.30500E+01	0.40482E+00	
	0.37350E+01	0.25095E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.10205E+01
	0.30500E+00	0.93855E+00	
	0.61000E+00	0.87710E+00	
	0.91500E+00	0.81570E+00	
	0.12200E+01	0.75445E+00	
	0.15250E+01	0.69356E+00	
	0.18300E+01	0.63338E+00	
	0.21350E+01	0.57438E+00	
	0.24400E+01	0.51709E+00	
	0.27450E+01	0.46217E+00	
	0.30500E+01	0.41035E+00	
	0.37350E+01	0.25809E+00	

0.44200E+01 0.14982E+00
 0.51050E+01 0.80310E-01
 0.57900E+01 0.39674E-01
 0.64750E+01 0.17997E-01
 0.71600E+01 0.74653E-02
 0.78450E+01 0.28223E-02
 0.85300E+01 0.97114E-03
 0.92150E+01 0.30479E-03
 0.99000E+01 0.88181E-04
 0.10585E+02 0.24316E-04
 0.11270E+02 0.70023E-05
 0.11955E+02 0.25411E-05
 0.12640E+02 0.13930E-05
 0.13325E+02 0.10924E-05
 0.14010E+02 0.10169E-05
 0.14695E+02 0.10008E-05
 0.15380E+02 0.99878E-06
 0.16065E+02 0.99920E-06
 0.16750E+02 0.99965E-06
 0.17435E+02 0.99987E-06
 0.18120E+02 0.99996E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15620E+00
 0.51050E+01 0.85269E-01
 0.57900E+01 0.43012E-01
 0.64750E+01 0.19993E-01
 0.71600E+01 0.85346E-02
 0.78450E+01 0.33353E-02
 0.85300E+01 0.11913E-02
 0.92150E+01 0.38937E-03
 0.99000E+01 0.11735E-03
 0.10585E+02 0.33436E-04
 0.11270E+02 0.96479E-05
 0.11955E+02 0.32872E-05
 0.12640E+02 0.16080E-05
 0.13325E+02 0.11554E-05
 0.14010E+02 0.10345E-05
 0.14695E+02 0.10051E-05
 0.15380E+02 0.99958E-06
 0.16065E+02 0.99924E-06
 0.16750E+02 0.99959E-06
 0.17435E+02 0.99983E-06
 0.18120E+02 0.99994E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.10320E+01
	0.30500E+00	0.93845E+00	
	0.61000E+00	0.87700E+00	
	0.91500E+00	0.81576E+00	
	0.12200E+01	0.75486E+00	
	0.15250E+01	0.69454E+00	
	0.18300E+01	0.63511E+00	
	0.21350E+01	0.57699E+00	
	0.24400E+01	0.52063E+00	
	0.27450E+01	0.46660E+00	
	0.30500E+01	0.41557E+00	
	0.37350E+01	0.26482E+00	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.10435E+01
	0.30500E+00	0.93845E+00	
	0.61000E+00	0.87715E+00	
	0.91500E+00	0.81613E+00	
	0.12200E+01	0.75561E+00	
	0.15250E+01	0.69582E+00	
	0.18300E+01	0.63706E+00	
	0.21350E+01	0.57969E+00	
	0.24400E+01	0.52414E+00	
	0.27450E+01	0.47090E+00	
	0.30500E+01	0.42056E+00	
	0.37350E+01	0.27123E+00	

0.44200E+01 0.16237E+00
 0.51050E+01 0.90175E-01
 0.57900E+01 0.46392E-01
 0.64750E+01 0.22061E-01
 0.71600E+01 0.96697E-02
 0.78450E+01 0.38959E-02
 0.85300E+01 0.14402E-02
 0.92150E+01 0.48875E-03
 0.99000E+01 0.15312E-03
 0.10585E+02 0.45119E-04
 0.11270E+02 0.13175E-04
 0.11955E+02 0.43097E-05
 0.12640E+02 0.19077E-05
 0.13325E+02 0.12455E-05
 0.14010E+02 0.10610E-05
 0.14695E+02 0.10123E-05
 0.15380E+02 0.10012E-05
 0.16065E+02 0.99948E-06
 0.16750E+02 0.99957E-06
 0.17435E+02 0.99980E-06
 0.18120E+02 0.99992E-06
 0.18805E+02 0.99997E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16834E+00
 0.51050E+01 0.95017E-01
 0.57900E+01 0.49801E-01
 0.64750E+01 0.24193E-01
 0.71600E+01 0.10868E-01
 0.78450E+01 0.45038E-02
 0.85300E+01 0.17187E-02
 0.92150E+01 0.60398E-03
 0.99000E+01 0.19625E-03
 0.10585E+02 0.59801E-04
 0.11270E+02 0.17783E-04
 0.11955E+02 0.56858E-05
 0.12640E+02 0.23179E-05
 0.13325E+02 0.13713E-05
 0.14010E+02 0.10996E-05
 0.14695E+02 0.10235E-05
 0.15380E+02 0.10041E-05
 0.16065E+02 0.10001E-05
 0.16750E+02 0.99963E-06
 0.17435E+02 0.99977E-06
 0.18120E+02 0.99990E-06
 0.18805E+02 0.99995E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.10550E+01
	0.30500E+00	0.93864E+00	
	0.61000E+00	0.87748E+00	
	0.91500E+00	0.81674E+00	
	0.12200E+01	0.75660E+00	
	0.15250E+01	0.69732E+00	
	0.18300E+01	0.63916E+00	
	0.21350E+01	0.58248E+00	
	0.24400E+01	0.52764E+00	
	0.27450E+01	0.47509E+00	
	0.30500E+01	0.42538E+00	
	0.37350E+01	0.27734E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.10664E+01
	0.30500E+00	0.93886E+00	
	0.61000E+00	0.87795E+00	
	0.91500E+00	0.81752E+00	
	0.12200E+01	0.75779E+00	
	0.15250E+01	0.69899E+00	
	0.18300E+01	0.64140E+00	
	0.21350E+01	0.58533E+00	
	0.24400E+01	0.53112E+00	
	0.27450E+01	0.47931E+00	
	0.30500E+01	0.43004E+00	
	0.37350E+01	0.28321E+00	

0.44200E+01 0.17412E+00
 0.51050E+01 0.99790E-01
 0.57900E+01 0.53229E-01
 0.64750E+01 0.26382E-01
 0.71600E+01 0.12127E-01
 0.78450E+01 0.51585E-02
 0.85300E+01 0.20274E-02
 0.92150E+01 0.73598E-03
 0.99000E+01 0.24749E-03
 0.10585E+02 0.77931E-04
 0.11270E+02 0.23693E-04
 0.11955E+02 0.75056E-05
 0.12640E+02 0.28707E-05
 0.13325E+02 0.15434E-05
 0.14010E+02 0.11540E-05
 0.14695E+02 0.10400E-05
 0.15380E+02 0.10087E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.99982E-06
 0.17435E+02 0.99978E-06
 0.18120E+02 0.99988E-06
 0.18805E+02 0.99995E-06
 0.19490E+02 0.99998E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.17973E+00
 0.51050E+01 0.10449E+00
 0.57900E+01 0.56666E-01
 0.64750E+01 0.28623E-01
 0.71600E+01 0.13443E-01
 0.78450E+01 0.58956E-02
 0.85300E+01 0.23670E-02
 0.92150E+01 0.88562E-03
 0.99000E+01 0.30757E-03
 0.10585E+02 0.99973E-04
 0.11270E+02 0.31144E-04
 0.11955E+02 0.98726E-05
 0.12640E+02 0.36045E-05
 0.13325E+02 0.17750E-05
 0.14010E+02 0.12288E-05
 0.14695E+02 0.10638E-05
 0.15380E+02 0.10158E-05
 0.16065E+02 0.10030E-05
 0.16750E+02 0.10002E-05
 0.17435E+02 0.99983E-06
 0.18120E+02 0.99988E-06
 0.18805E+02 0.99994E-06
 0.19490E+02 0.99998E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.10778E+01
	0.30500E+00	0.93913E+00	
	0.61000E+00	0.87853E+00	
	0.91500E+00	0.81844E+00	
	0.12200E+01	0.75911E+00	
	0.15250E+01	0.70078E+00	
	0.18300E+01	0.64372E+00	
	0.21350E+01	0.58822E+00	
	0.24400E+01	0.53459E+00	
	0.27450E+01	0.48322E+00	
	0.30500E+01	0.43458E+00	
	0.37350E+01	0.28887E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.11042E+01
	0.30500E+00	0.94371E+00	
	0.61000E+00	0.88552E+00	
	0.91500E+00	0.82665E+00	
	0.12200E+01	0.76800E+00	
	0.15250E+01	0.71015E+00	
	0.18300E+01	0.65348E+00	
	0.21350E+01	0.59826E+00	
	0.24400E+01	0.54467E+00	
	0.27450E+01	0.49293E+00	
	0.30500E+01	0.44338E+00	
	0.37350E+01	0.30229E+00	

0.44200E+01 0.19173E+00
 0.51050E+01 0.11383E+00
 0.57900E+01 0.63222E-01
 0.64750E+01 0.32803E-01
 0.71600E+01 0.15876E-01
 0.78450E+01 0.71566E-02
 0.85300E+01 0.30005E-02
 0.92150E+01 0.11692E-02
 0.99000E+01 0.42396E-03
 0.10585E+02 0.14382E-03
 0.11270E+02 0.46374E-04
 0.11955E+02 0.14812E-04
 0.12640E+02 0.51415E-05
 0.13325E+02 0.22529E-05
 0.14010E+02 0.13814E-05
 0.14695E+02 0.11130E-05
 0.15380E+02 0.10310E-05
 0.16065E+02 0.10074E-05
 0.16750E+02 0.10013E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99990E-06
 0.18805E+02 0.99993E-06
 0.19490E+02 0.99997E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.20995E+00
 0.51050E+01 0.12815E+00
 0.57900E+01 0.73330E-01
 0.64750E+01 0.39330E-01
 0.71600E+01 0.19749E-01
 0.78450E+01 0.92716E-02
 0.85300E+01 0.40649E-02
 0.92150E+01 0.16629E-02
 0.99000E+01 0.63499E-03
 0.10585E+02 0.22698E-03
 0.11270E+02 0.76669E-04
 0.11955E+02 0.25085E-04
 0.12640E+02 0.84400E-05
 0.13325E+02 0.32878E-05
 0.14010E+02 0.17099E-05
 0.14695E+02 0.12194E-05
 0.15380E+02 0.10653E-05
 0.16065E+02 0.10179E-05
 0.16750E+02 0.10043E-05
 0.17435E+02 0.10008E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99994E-06
 0.19490E+02 0.99996E-06
 0.20175E+02 0.99998E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.11447E+01
	0.9456E+00	0.9456E+00	
	0.6100E+00	0.89578E+00	
	0.9150E+00	0.83983E+00	
	0.1220E+01	0.78300E+00	
	0.1525E+01	0.72619E+00	
	0.1830E+01	0.67004E+00	
	0.2135E+01	0.61495E+00	
	0.2440E+01	0.56120E+00	
	0.2745E+01	0.50906E+00	
	0.3050E+01	0.45887E+00	
	0.3735E+01	0.32179E+00	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.11988E+01
	0.3050E+00	0.95588E+00	
	0.6100E+00	0.90735E+00	
	0.9150E+00	0.85563E+00	
	0.1220E+01	0.80189E+00	
	0.1525E+01	0.74716E+00	
	0.1830E+01	0.69225E+00	
	0.2135E+01	0.63777E+00	
	0.2440E+01	0.58416E+00	
	0.2745E+01	0.53184E+00	
	0.3050E+01	0.48124E+00	
	0.3735E+01	0.34703E+00	

0.44200E+01 0.23397E+00
 0.51050E+01 0.14775E+00
 0.57900E+01 0.87594E-01
 0.64750E+01 0.48803E-01
 0.71600E+01 0.25548E-01
 0.78450E+01 0.12555E-01
 0.85300E+01 0.57863E-02
 0.92150E+01 0.24988E-02
 0.99000E+01 0.10110E-02
 0.10585E+02 0.38366E-03
 0.11270E+02 0.13723E-03
 0.11955E+02 0.46874E-04
 0.12640E+02 0.15806E-04
 0.13325E+02 0.56746E-05
 0.14010E+02 0.24738E-05
 0.14695E+02 0.14670E-05
 0.15380E+02 0.11463E-05
 0.16065E+02 0.10440E-05
 0.16750E+02 0.10123E-05
 0.17435E+02 0.10030E-05
 0.18120E+02 0.10006E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.99997E-06
 0.20175E+02 0.99998E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.26357E+00
 0.51050E+01 0.17283E+00
 0.57900E+01 0.10663E+00
 0.64750E+01 0.61969E-01
 0.71600E+01 0.33941E-01
 0.78450E+01 0.17516E-01
 0.85300E+01 0.85132E-02
 0.92150E+01 0.38937E-02
 0.99000E+01 0.16751E-02
 0.10585E+02 0.67809E-03
 0.11270E+02 0.25881E-03
 0.11955E+02 0.93717E-04
 0.12640E+02 0.32722E-04
 0.13325E+02 0.11459E-04
 0.14010E+02 0.43848E-05
 0.14695E+02 0.20928E-05
 0.15380E+02 0.13530E-05
 0.16065E+02 0.11124E-05
 0.16750E+02 0.10345E-05
 0.17435E+02 0.10099E-05
 0.18120E+02 0.10026E-05
 0.18805E+02 0.10006E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.99999E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.99999E-06
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.12660E+01
	0.3050E+00	0.96193E+00	
	0.6100E+00	0.91907E+00	
	0.9150E+00	0.87234E+00	
	0.1220E+01	0.82273E+00	
	0.1525E+01	0.77117E+00	
	0.1830E+01	0.71853E+00	
	0.2135E+01	0.66552E+00	
	0.2440E+01	0.61275E+00	
	0.2745E+01	0.56075E+00	
	0.3050E+01	0.51004E+00	
	0.3735E+01	0.37794E+00	

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.13460E+01
	0.3050E+00	0.96755E+00	
	0.6100E+00	0.93030E+00	
	0.9150E+00	0.88888E+00	
	0.1220E+01	0.84402E+00	
	0.1525E+01	0.79651E+00	
	0.1830E+01	0.74713E+00	
	0.2135E+01	0.69657E+00	
	0.2440E+01	0.64551E+00	
	0.2745E+01	0.59456E+00	
	0.3050E+01	0.54430E+00	
	0.3735E+01	0.41431E+00	

0.44200E+01 0.29868E+00
 0.51050E+01 0.20352E+00
 0.57900E+01 0.13097E+00
 0.64750E+01 0.79617E-01
 0.71600E+01 0.45741E-01
 0.78450E+01 0.24843E-01
 0.85300E+01 0.12754E-01
 0.92150E+01 0.61870E-02
 0.99000E+01 0.28348E-02
 0.10585E+02 0.12266E-02
 0.11270E+02 0.50161E-03
 0.11955E+02 0.19435E-03
 0.12640E+02 0.71855E-04
 0.13325E+02 0.25806E-04
 0.14010E+02 0.93950E-05
 0.14695E+02 0.37895E-05
 0.15380E+02 0.15222E-05
 0.16065E+02 0.13039E-05
 0.16750E+02 0.10987E-05
 0.17435E+02 0.10310E-05
 0.18120E+02 0.10093E-05
 0.18805E+02 0.10025E-05
 0.19490E+02 0.10006E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.99999E-06
 0.22230E+02 0.99999E-06
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.33911E+00
 0.51050E+01 0.23990E+00
 0.57900E+01 0.16103E+00
 0.64750E+01 0.10249E+00
 0.71600E+01 0.61841E-01
 0.78450E+01 0.35385E-01
 0.85300E+01 0.19202E-01
 0.92150E+01 0.98823E-02
 0.99000E+01 0.48222E-02
 0.10585E+02 0.22308E-02
 0.11270E+02 0.97838E-03
 0.11955E+02 0.40721E-03
 0.12640E+02 0.16128E-03
 0.13325E+02 0.61236E-04
 0.14010E+02 0.22691E-04
 0.14695E+02 0.85605E-05
 0.15380E+02 0.35842E-05
 0.16065E+02 0.18758E-05
 0.16750E+02 0.12950E-05
 0.17435E+02 0.10980E-05
 0.18120E+02 0.10317E-05
 0.18805E+02 0.10098E-05
 0.19490E+02 0.10029E-05
 0.20175E+02 0.10008E-05
 0.20860E+02 0.10002E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.14386E+01
	0.30500E+00	0.97262E+00	
	0.61000E+00	0.94068E+00	
	0.91500E+00	0.90455E+00	
	0.12200E+01	0.86474E+00	
	0.15250E+01	0.82183E+00	
	0.18300E+01	0.77644E+00	
	0.21350E+01	0.72920E+00	
	0.24400E+01	0.68075E+00	
	0.27450E+01	0.63168E+00	
	0.30500E+01	0.58261E+00	
	0.37350E+01	0.45552E+00	

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.15437E+01
	0.30500E+00	0.97711E+00	
	0.61000E+00	0.95004E+00	
	0.91500E+00	0.91897E+00	
	0.12200E+01	0.88419E+00	
	0.15250E+01	0.84611E+00	
	0.18300E+01	0.80518E+00	
	0.21350E+01	0.76190E+00	
	0.24400E+01	0.71680E+00	
	0.27450E+01	0.67044E+00	
	0.30500E+01	0.62337E+00	
	0.37350E+01	0.50053E+00	

0.44200E+01 0.38440E+00
 0.51050E+01 0.28189E+00
 0.57900E+01 0.19707E+00
 0.64750E+01 0.13119E+00
 0.71600E+01 0.83113E-01
 0.78450E+01 0.50097E-01
 0.85300E+01 0.28730E-01
 0.92150E+01 0.15677E-01
 0.99000E+01 0.81394E-02
 0.10585E+02 0.40205E-02
 0.11270E+02 0.18894E-02
 0.11955E+02 0.84498E-03
 0.12640E+02 0.35997E-03
 0.13325E+02 0.14648E-03
 0.14010E+02 0.57332E-04
 0.14695E+02 0.21946E-04
 0.15380E+02 0.85414E-05
 0.16065E+02 0.36575E-05
 0.16750E+02 0.19254E-05
 0.17435E+02 0.13194E-05
 0.18120E+02 0.11088E-05
 0.18805E+02 0.10362E-05
 0.19490E+02 0.10116E-05
 0.20175E+02 0.10036E-05
 0.20860E+02 0.10010E-05
 0.21545E+02 0.10003E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.43365E+00
 0.51050E+01 0.32908E+00
 0.57900E+01 0.23912E+00
 0.64750E+01 0.16616E+00
 0.71600E+01 0.11032E+00
 0.78450E+01 0.69948E-01
 0.85300E+01 0.42337E-01
 0.92150E+01 0.24461E-01
 0.99000E+01 0.13491E-01
 0.10585E+02 0.71020E-02
 0.11270E+02 0.35687E-02
 0.11955E+02 0.17119E-02
 0.12640E+02 0.78414E-03
 0.13325E+02 0.34332E-03
 0.14010E+02 0.14404E-03
 0.14695E+02 0.58263E-04
 0.15380E+02 0.23051E-04
 0.16065E+02 0.92221E-05
 0.16750E+02 0.39946E-05
 0.17435E+02 0.20743E-05
 0.18120E+02 0.13811E-05
 0.18805E+02 0.11334E-05
 0.19490E+02 0.10457E-05
 0.20175E+02 0.10153E-05
 0.20860E+02 0.10049E-05
 0.21545E+02 0.10015E-05
 0.22230E+02 0.10004E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.16613E+01
	0.30500E+00	0.98102E+00	
	0.61000E+00	0.95815E+00	
	0.91500E+00	0.93152E+00	
	0.12200E+01	0.90197E+00	
	0.15250E+01	0.86870E+00	
	0.18300E+01	0.83241E+00	
	0.21350E+01	0.79347E+00	
	0.24400E+01	0.75227E+00	
	0.27450E+01	0.70927E+00	
	0.30500E+01	0.66495E+00	
	0.37350E+01	0.54799E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.17912E+01
	0.30500E+00	0.98439E+00	
	0.61000E+00	0.96552E+00	
	0.91500E+00	0.94333E+00	
	0.12200E+01	0.91786E+00	
	0.15250E+01	0.88930E+00	
	0.18300E+01	0.85752E+00	
	0.21350E+01	0.82305E+00	
	0.24400E+01	0.78606E+00	
	0.27450E+01	0.74690E+00	
	0.30500E+01	0.70594E+00	
	0.37350E+01	0.59638E+00	

0.44200E+01 0.48562E+00
 0.51050E+01 0.38065E+00
 0.57900E+01 0.28694E+00
 0.64750E+01 0.20753E+00
 0.71600E+01 0.14403E+00
 0.78450E+01 0.95816E-01
 0.85300E+01 0.61064E-01
 0.92150E+01 0.37272E-01
 0.99000E+01 0.21785E-01
 0.10585E+02 0.12192E-01
 0.11270E+02 0.65331E-02
 0.11955E+02 0.33521E-02
 0.12640E+02 0.16470E-02
 0.13325E+02 0.77523E-03
 0.14010E+02 0.34985E-03
 0.14695E+02 0.15170E-03
 0.15380E+02 0.63523E-04
 0.16065E+02 0.25990E-04
 0.16750E+02 0.10671E-04
 0.17435E+02 0.46495E-05
 0.18120E+02 0.23526E-05
 0.18805E+02 0.14946E-05
 0.19490E+02 0.11784E-05
 0.20175E+02 0.10632E-05
 0.20860E+02 0.10218E-05
 0.21545E+02 0.10073E-05
 0.22230E+02 0.10024E-05
 0.22915E+02 0.10007E-05
 0.23600E+02 0.10002E-05
 0.24285E+02 0.10001E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.53888E+00
 0.51050E+01 0.43542E+00
 0.57900E+01 0.33945E+00
 0.64750E+01 0.25504E+00
 0.71600E+01 0.18448E+00
 0.78450E+01 0.12837E+00
 0.85300E+01 0.85076E-01
 0.92150E+01 0.55206E-01
 0.99000E+01 0.34092E-01
 0.10585E+02 0.20221E-01
 0.11270E+02 0.11518E-01
 0.11955E+02 0.63006E-02
 0.12640E+02 0.33098E-02
 0.13325E+02 0.16699E-02
 0.14010E+02 0.80946E-03
 0.14695E+02 0.37724E-03
 0.15380E+02 0.16933E-03
 0.16065E+02 0.73489E-04
 0.16750E+02 0.31118E-04
 0.17435E+02 0.13119E-04
 0.18120E+02 0.57484E-05
 0.18805E+02 0.28229E-05
 0.19490E+02 0.16889E-05
 0.20175E+02 0.12566E-05
 0.20860E+02 0.10940E-05
 0.21545E+02 0.10337E-05
 0.22230E+02 0.10118E-05
 0.22915E+02 0.10040E-05
 0.23600E+02 0.10013E-05
 0.24285E+02 0.10004E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.19336E+01
	0.3050E+00	0.98725E+00	
	0.6100E+00	0.97170E+00	
	0.9150E+00	0.95324E+00	
	0.1220E+01	0.93182E+00	
	0.1525E+01	0.90744E+00	
	0.1830E+01	0.88017E+00	
	0.2135E+01	0.85010E+00	
	0.2440E+01	0.81743E+00	
	0.2745E+01	0.78236E+00	
	0.3050E+01	0.74516E+00	
	0.3735E+01	0.64429E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.20886E+01
	0.3050E+00	0.98966E+00	
	0.6100E+00	0.97695E+00	
	0.9150E+00	0.96132E+00	
	0.1220E+01	0.94390E+00	
	0.1525E+01	0.92339E+00	
	0.1830E+01	0.90020E+00	
	0.2135E+01	0.87434E+00	
	0.2440E+01	0.84590E+00	
	0.2745E+01	0.81498E+00	
	0.3050E+01	0.78177E+00	
	0.3735E+01	0.69043E+00	

0.44200E+01 0.59194E+00
 0.51050E+01 0.49195E+00
 0.57900E+01 0.39581E+00
 0.64750E+01 0.30796E+00
 0.71600E+01 0.23147E+00
 0.78450E+01 0.16793E+00
 0.85300E+01 0.11752E+00
 0.92150E+01 0.79293E-01
 0.99000E+01 0.51555E-01
 0.10585E+02 0.32293E-01
 0.11270E+02 0.19483E-01
 0.11955E+02 0.11320E-01
 0.12640E+02 0.63336E-02
 0.13325E+02 0.34126E-02
 0.14010E+02 0.17708E-02
 0.14695E+02 0.88521E-03
 0.15380E+02 0.42653E-03
 0.16065E+02 0.19836E-03
 0.16750E+02 0.89297E-04
 0.17435E+02 0.39170E-04
 0.18120E+02 0.16980E-04
 0.18805E+02 0.75157E-05
 0.19490E+02 0.35966E-05
 0.20175E+02 0.20166E-05
 0.20860E+02 0.13919E-05
 0.21545E+02 0.11486E-05
 0.22230E+02 0.10553E-05
 0.22915E+02 0.10201E-05
 0.23600E+02 0.10071E-05
 0.24285E+02 0.10025E-05
 0.24970E+02 0.10008E-05
 0.25655E+02 0.10003E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.64345E+00
 0.51050E+01 0.54871E+00
 0.57900E+01 0.45447E+00
 0.64750E+01 0.36515E+00
 0.71600E+01 0.28433E+00
 0.78450E+01 0.21438E+00
 0.85300E+01 0.15641E+00
 0.92150E+01 0.11035E+00
 0.99000E+01 0.75255E-01
 0.10585E+02 0.49588E-01
 0.11270E+02 0.31562E-01
 0.11955E+02 0.19400E-01
 0.12640E+02 0.11514E-01
 0.13325E+02 0.65982E-02
 0.14010E+02 0.36505E-02
 0.14695E+02 0.19501E-02
 0.15380E+02 0.10060E-02
 0.16065E+02 0.50143E-03
 0.16750E+02 0.24170E-03
 0.17435E+02 0.11291E-03
 0.18120E+02 0.51354E-04
 0.18805E+02 0.22969E-04
 0.19490E+02 0.10323E-04
 0.20175E+02 0.48632E-05
 0.20860E+02 0.25699E-05
 0.21545E+02 0.16274E-05
 0.22230E+02 0.12468E-05
 0.22915E+02 0.10953E-05
 0.23600E+02 0.10361E-05
 0.24285E+02 0.10134E-05
 0.24970E+02 0.10048E-05
 0.25655E+02 0.10017E-05
 0.26340E+02 0.10006E-05
 0.27025E+02 0.10002E-05
 0.27710E+02 0.10001E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.22561E+01
	0.3050E+00	0.99167E+00	
	0.6100E+00	0.98136E+00	
	0.9150E+00	0.96891E+00	
	0.1220E+01	0.95421E+00	
	0.1525E+01	0.93714E+00	
	0.1830E+01	0.91765E+00	
	0.2135E+01	0.89568E+00	
	0.2440E+01	0.87125E+00	
	0.2745E+01	0.84440E+00	
	0.3050E+01	0.81521E+00	
	0.3735E+01	0.73384E+00	

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.10000E+01	0.24363E+01
	0.3050E+00	0.99333E+00	
	0.6100E+00	0.98502E+00	
	0.9150E+00	0.97493E+00	
	0.1220E+01	0.96291E+00	
	0.1525E+01	0.94884E+00	
	0.1830E+01	0.93263E+00	
	0.2135E+01	0.91419E+00	
	0.2440E+01	0.89347E+00	
	0.2745E+01	0.87046E+00	
	0.3050E+01	0.84517E+00	
	0.3735E+01	0.77379E+00	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RIU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.4390E-01
	0.3050E+00	0.1079E+00	
	0.6100E+00	0.1304E-02	
	0.9150E+00	0.1417E-05	
	0.1220E+01	0.1282E-09	
	0.1525E+01	0.3717E-13	
	0.1830E+01	0.1092E-14	
	0.2135E+01	0.1680E-16	
	0.2440E+01	0.1248E-18	
	0.2745E+01	0.4171E-21	
	0.3050E+01	0.4771E-24	
	0.3735E+01	0.6784E-31	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01	0.92802E-36
0.51050E+01	0.11280E-41
0.57900E+01	0.37508E-48
0.64750E+01	0.00000E+00
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.1000E+01	0.8847E-01
	0.3050E+00	0.3928E+00	
	0.6100E+00	0.8156E-01	
	0.9150E+00	0.8616E-02	
	0.1220E+01	0.4524E-03	
	0.1525E+01	0.1150E-04	
	0.1830E+01	0.1393E-06	
	0.2135E+01	0.7929E-09	
	0.2440E+01	0.2164E-11	
	0.2745E+01	0.1054E-13	
	0.3050E+01	0.6936E-15	
	0.3735E+01	0.7336E-18	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.1000E+01	0.1357E+00
	0.3050E+00	0.5877E+00	
	0.6100E+00	0.2578E+00	
	0.9150E+00	0.8272E-01	
	0.1220E+01	0.1915E-01	
	0.1525E+01	0.3164E-02	
	0.1830E+01	0.3702E-03	
	0.2135E+01	0.3050E-04	
	0.2440E+01	0.1763E-05	
	0.2745E+01	0.7132E-07	
	0.3050E+01	0.1784E-08	
	0.3735E+01	0.4353E-13	

0.44200E+01 0.12073E-12
 0.51050E+01 0.19515E-09
 0.57900E+01 0.25548E-07
 0.64750E+01 0.36470E-06
 0.71600E+01 0.86622E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.30857E-10
 0.51050E+01 0.22130E-08
 0.57900E+01 0.48771E-07
 0.64750E+01 0.31479E-06
 0.71600E+01 0.73856E-06
 0.78450E+01 0.95790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.1000E+01	0.1865E+00
	0.3050E+00	0.7082E+00	
	0.6100E+00	0.4257E+00	
	0.9150E+00	0.2146E+00	
	0.1220E+01	0.8992E-01	
	0.1525E+01	0.3110E-01	
	0.1830E+01	0.8831E-02	
	0.2135E+01	0.2050E-02	
	0.2440E+01	0.3893E-03	
	0.2745E+01	0.5978E-04	
	0.3050E+01	0.6696E-05	
	0.3735E+01	0.1165E-07	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.2415E+00
	0.3050E+00	0.7865E+00	
	0.6100E+00	0.5580E+00	
	0.9150E+00	0.3543E+00	
	0.1220E+01	0.2001E+00	
	0.1525E+01	0.1001E+00	
	0.1830E+01	0.4414E-01	
	0.2135E+01	0.1711E-01	
	0.2440E+01	0.5816E-02	
	0.2745E+01	0.1723E-02	
	0.3050E+01	0.4115E-03	
	0.3735E+01	0.6164E-05	

0.44200E+01 0.36935E-07
 0.51050E+01 0.70799E-08
 0.57900E+01 0.66024E-07
 0.64750E+01 0.28520E-06
 0.71600E+01 0.63575E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99861E-06
 0.99000E+01 0.99994E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.57145E-02
 0.51050E+01 0.89728E-03
 0.57900E+01 0.10451E-03
 0.64750E+01 0.92026E-05
 0.71600E+01 0.98970E-06
 0.78450E+01 0.66043E-06
 0.85300E+01 0.81150E-06
 0.92150E+01 0.92166E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.1000E+01	0.5011E+00
	0.3050E+00	0.9251E+00	
	0.6100E+00	0.8334E+00	
	0.9150E+00	0.7289E+00	
	0.1220E+01	0.6175E+00	
	0.1525E+01	0.5056E+00	
	0.1830E+01	0.3992E+00	
	0.2135E+01	0.3033E+00	
	0.2440E+01	0.2207E+00	
	0.2745E+01	0.1521E+00	
	0.3050E+01	0.9614E-01	
	0.3735E+01	0.2709E-01	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.7213E+00
	0.3050E+00	0.9592E+00	
	0.6100E+00	0.9079E+00	
	0.9150E+00	0.8466E+00	
	0.1220E+01	0.7765E+00	
	0.1525E+01	0.6995E+00	
	0.1830E+01	0.6176E+00	
	0.2135E+01	0.5332E+00	
	0.2440E+01	0.4484E+00	
	0.2745E+01	0.3647E+00	
	0.3050E+01	0.2825E+00	
	0.3735E+01	0.1412E+00	

0.44200E+01 0.59747E-01
 0.51050E+01 0.21311E-01
 0.57900E+01 0.33999E-02
 0.64750E+01 0.16088E-02
 0.71600E+01 0.33969E-03
 0.78450E+01 0.60437E-04
 0.85300E+01 0.95320E-05
 0.92150E+01 0.19016E-05
 0.99000E+01 0.10090E-05
 0.10585E+02 0.96095E-06
 0.11270E+02 0.98117E-06
 0.11955E+02 0.99339E-06
 0.12640E+02 0.99607E-06
 0.13325E+02 0.99852E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.76488E-01
 0.51050E+01 0.29895E-01
 0.57900E+01 0.99581E-02
 0.64750E+01 0.28217E-02
 0.71600E+01 0.67950E-03
 0.78450E+01 0.13936E-03
 0.85300E+01 0.24909E-04
 0.92150E+01 0.45045E-05
 0.99000E+01 0.14010E-05
 0.10585E+02 0.10028E-05
 0.11270E+02 0.97898E-06
 0.11955E+02 0.98999E-06
 0.12640E+02 0.99656E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.76364E+00
	0.30500E+00	0.96280E+00	
	0.61000E+00	0.91598E+00	
	0.91500E+00	0.85991E+00	
	0.12200E+01	0.79542E+00	
	0.15250E+01	0.72382E+00	
	0.18300E+01	0.64674E+00	
	0.21350E+01	0.56601E+00	
	0.24400E+01	0.48330E+00	
	0.27450E+01	0.39988E+00	
	0.30500E+01	0.31538E+00	
	0.37350E+01	0.16752E+00	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.80549E+00
	0.30500E+00	0.96600E+00	
	0.61000E+00	0.92313E+00	
	0.91500E+00	0.87162E+00	
	0.12200E+01	0.81202E+00	
	0.15250E+01	0.74528E+00	
	0.18300E+01	0.67263E+00	
	0.21350E+01	0.59548E+00	
	0.24400E+01	0.51517E+00	
	0.27450E+01	0.43276E+00	
	0.30500E+01	0.34828E+00	
	0.37350E+01	0.19436E+00	

0.44200E+01 0.94588E-01
 0.51050E+01 0.39955E-01
 0.57900E+01 0.14568E-01
 0.64750E+01 0.45721E-02
 0.71600E+01 0.12335E-02
 0.78450E+01 0.28629E-03
 0.85300E+01 0.57802E-04
 0.92150E+01 0.10848E-04
 0.99000E+01 0.25154E-05
 0.10585E+02 0.11839E-05
 0.11270E+02 0.99962E-06
 0.11955E+02 0.98871E-06
 0.12640E+02 0.99472E-06
 0.13325E+02 0.99821E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99987E-06
 0.15380E+02 0.99997E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10748E+00
 0.51050E+01 0.47635E-01
 0.57900E+01 0.18379E-01
 0.64750E+01 0.61527E-02
 0.71600E+01 0.17840E-02
 0.78450E+01 0.44813E-03
 0.85300E+01 0.98231E-04
 0.92150E+01 0.19579E-04
 0.99000E+01 0.42334E-05
 0.10585E+02 0.15156E-05
 0.11270E+02 0.10570E-05
 0.11955E+02 0.99476E-06
 0.12640E+02 0.99392E-06
 0.13325E+02 0.99746E-06
 0.14010E+02 0.99919E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.83342E+00
	0.30500E+00	0.96739E+00	
	0.61000E+00	0.92667E+00	
	0.91500E+00	0.87785E+00	
	0.12200E+01	0.82123E+00	
	0.15250E+01	0.75751E+00	
	0.18300E+01	0.68769E+00	
	0.21350E+01	0.61292E+00	
	0.24400E+01	0.53428E+00	
	0.27450E+01	0.45250E+00	
	0.30500E+01	0.36816E+00	
	0.37350E+01	0.21218E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.00000E+00	0.10000E+01	0.84765E+00
	0.30500E+00	0.96727E+00	
	0.61000E+00	0.92726E+00	
	0.91500E+00	0.87962E+00	
	0.12200E+01	0.82441E+00	
	0.15250E+01	0.76217E+00	
	0.18300E+01	0.69376E+00	
	0.21350E+01	0.62018E+00	
	0.24400E+01	0.54234E+00	
	0.27450E+01	0.46072E+00	
	0.30500E+01	0.37524E+00	
	0.37350E+01	0.22077E+00	

0.44200E+01 0.11430E+00
 0.51050E+01 0.51993E-01
 0.57900E+01 0.20687E-01
 0.64750E+01 0.71752E-02
 0.71600E+01 0.21652E-02
 0.78450E+01 0.56847E-03
 0.85300E+01 0.13066E-03
 0.92150E+01 0.27193E-04
 0.99000E+01 0.58018E-05
 0.10585E+02 0.18771E-05
 0.11270E+02 0.11348E-05
 0.11955E+02 0.10077E-05
 0.12640E+02 0.99478E-06
 0.13325E+02 0.99703E-06
 0.14010E+02 0.99893E-06
 0.14695E+02 0.99960E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11494E+00
 0.51050E+01 0.52667E-01
 0.57900E+01 0.21146E-01
 0.64750E+01 0.74144E-02
 0.71600E+01 0.22658E-02
 0.78450E+01 0.60354E-03
 0.85300E+01 0.14108E-03
 0.92150E+01 0.29959E-04
 0.99000E+01 0.65988E-05
 0.10585E+02 0.20743E-05
 0.11270E+02 0.11893E-05
 0.11955E+02 0.10198E-05
 0.12640E+02 0.99645E-06
 0.13325E+02 0.99699E-06
 0.14010E+02 0.99880E-06
 0.14695E+02 0.99963E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.84821E+00
	0.30500E+00	0.96524E+00	
	0.61000E+00	0.92498E+00	
	0.91500E+00	0.87727E+00	
	0.12200E+01	0.82211E+00	
	0.15250E+01	0.75999E+00	
	0.18300E+01	0.69171E+00	
	0.21350E+01	0.61821E+00	
	0.24400E+01	0.54028E+00	
	0.27450E+01	0.45812E+00	
	0.30500E+01	0.36861E+00	
	0.37350E+01	0.22062E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.85137E+00
	0.30500E+00	0.96057E+00	
	0.61000E+00	0.91784E+00	
	0.91500E+00	0.86951E+00	
	0.12200E+01	0.81458E+00	
	0.15250E+01	0.75308E+00	
	0.18300E+01	0.68548E+00	
	0.21350E+01	0.61232E+00	
	0.24400E+01	0.53882E+00	
	0.27450E+01	0.45802E+00	
	0.30500E+01	0.36200E+00	
	0.37350E+01	0.22579E+00	

0.44200E+01 0.12188E+00
 0.51050E+01 0.57927E-01
 0.57900E+01 0.24292E-01
 0.64750E+01 0.69676E-02
 0.71600E+01 0.29078E-02
 0.78450E+01 0.82801E-03
 0.85300E+01 0.20800E-03
 0.92150E+01 0.47163E-04
 0.99000E+01 0.10516E-04
 0.10585E+02 0.29230E-05
 0.11270E+02 0.13822E-05
 0.11955E+02 0.10636E-05
 0.12640E+02 0.10043E-05
 0.13325E+02 0.99763E-06
 0.14010E+02 0.99857E-06
 0.14695E+02 0.99947E-06
 0.15380E+02 0.99984E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12809E+00
 0.51050E+01 0.63071E-01
 0.57900E+01 0.27519E-01
 0.64750E+01 0.10639E-01
 0.71600E+01 0.36383E-02
 0.78450E+01 0.11001E-02
 0.85300E+01 0.29497E-03
 0.92150E+01 0.71242E-04
 0.99000E+01 0.16408E-04
 0.10585E+02 0.42676E-05
 0.11270E+02 0.16942E-05
 0.11955E+02 0.11383E-05
 0.12640E+02 0.10207E-05
 0.13325E+02 0.10003E-05
 0.14010E+02 0.99867E-06
 0.14695E+02 0.99934E-06
 0.15380E+02 0.99977E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.85486E+00
	0.30500E+00	0.95740E+00	
	0.61000E+00	0.91231E+00	
	0.91500E+00	0.86274E+00	
	0.12200E+01	0.80752E+00	
	0.15250E+01	0.74622E+00	
	0.18300E+01	0.67890E+00	
	0.21350E+01	0.60585E+00	
	0.24400E+01	0.52746E+00	
	0.27450E+01	0.44454E+00	
	0.30500E+01	0.35894E+00	
	0.37350E+01	0.22924E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.10000E+01	0.85861E+00
	0.30500E+00	0.95488E+00	
	0.61000E+00	0.90774E+00	
	0.91500E+00	0.85684E+00	
	0.12200E+01	0.80098E+00	
	0.15250E+01	0.73952E+00	
	0.18300E+01	0.67231E+00	
	0.21350E+01	0.59959E+00	
	0.24400E+01	0.52193E+00	
	0.27450E+01	0.44046E+00	
	0.30500E+01	0.35718E+00	
	0.37350E+01	0.23219E+00	

0.44200E+01 0.13355E+00
 0.51050E+01 0.68013E-01
 0.57900E+01 0.30792E-01
 0.64750E+01 0.12415E-01
 0.71600E+01 0.44548E-02
 0.78450E+01 0.14219E-02
 0.85300E+01 0.40457E-03
 0.92150E+01 0.10372E-03
 0.99000E+01 0.24911E-04
 0.10585E+02 0.63148E-05
 0.11270E+02 0.21827E-05
 0.11955E+02 0.12593E-05
 0.12640E+02 0.10499E-05
 0.13325E+02 0.10063E-05
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99931E-06
 0.15380E+02 0.99970E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13847E+00
 0.51050E+01 0.72710E-01
 0.57900E+01 0.34076E-01
 0.64750E+01 0.14280E-01
 0.71600E+01 0.53536E-02
 0.78450E+01 0.17951E-02
 0.85300E+01 0.53912E-03
 0.92150E+01 0.14614E-03
 0.99000E+01 0.36743E-04
 0.10585E+02 0.93222E-05
 0.11270E+02 0.29238E-05
 0.11955E+02 0.14477E-05
 0.12640E+02 0.10981E-05
 0.13325E+02 0.10176E-05
 0.14010E+02 0.10016E-05
 0.14695E+02 0.99954E-06
 0.15380E+02 0.99966E-06
 0.16065E+02 0.99987E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.86256E+00
	0.30500E+00	0.95276E+00	
	0.61000E+00	0.90380E+00	
	0.91500E+00	0.85158E+00	
	0.12200E+01	0.79493E+00	
	0.15250E+01	0.73317E+00	
	0.18300E+01	0.66605E+00	
	0.21350E+01	0.59381E+00	
	0.24400E+01	0.51731E+00	
	0.27450E+01	0.43723E+00	
	0.30500E+01	0.35608E+00	
	0.37350E+01	0.23492E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.86668E+00
	0.30500E+00	0.95091E+00	
	0.61000E+00	0.90031E+00	
	0.91500E+00	0.84683E+00	
	0.12200E+01	0.78937E+00	
	0.15250E+01	0.72725E+00	
	0.18300E+01	0.66024E+00	
	0.21350E+01	0.58857E+00	
	0.24400E+01	0.51294E+00	
	0.27450E+01	0.43460E+00	
	0.30500E+01	0.35539E+00	
	0.37350E+01	0.23749E+00	

0.44200E+01 0.14296E+00
 0.51050E+01 0.77163E-01
 0.57900E+01 0.37338E-01
 0.64750E+01 0.16219E-01
 0.71600E+01 0.63300E-02
 0.78450E+01 0.22201E-02
 0.85300E+01 0.70059E-03
 0.92150E+01 0.20003E-03
 0.99000E+01 0.52689E-04
 0.10585E+02 0.13599E-04
 0.11270E+02 0.40162E-05
 0.11955E+02 0.17315E-05
 0.12640E+02 0.11739E-05
 0.13325E+02 0.10370E-05
 0.14010E+02 0.10060E-05
 0.14695E+02 0.10003E-05
 0.15380E+02 0.99971E-06
 0.16065E+02 0.99984E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14713E+00
 0.51050E+01 0.81391E-01
 0.57900E+01 0.40557E-01
 0.64750E+01 0.18214E-01
 0.71600E+01 0.73778E-02
 0.78450E+01 0.26569E-02
 0.85300E+01 0.89066E-03
 0.92150E+01 0.26685E-03
 0.99000E+01 0.73579E-04
 0.10585E+02 0.19503E-04
 0.11270E+02 0.55841E-05
 0.11955E+02 0.21478E-05
 0.12640E+02 0.12881E-05
 0.13325E+02 0.10680E-05
 0.14010E+02 0.10137E-05
 0.14695E+02 0.10019E-05
 0.15380E+02 0.99996E-06
 0.16065E+02 0.99984E-06
 0.16750E+02 0.99992E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.87095E+00
	0.30500E+00	0.94925E+00	
	0.61000E+00	0.89717E+00	
	0.91500E+00	0.84252E+00	
	0.12200E+01	0.78428E+00	
	0.15250E+01	0.72182E+00	
	0.18300E+01	0.65493E+00	
	0.21350E+01	0.58384E+00	
	0.24400E+01	0.50927E+00	
	0.27450E+01	0.43240E+00	
	0.30500E+01	0.35498E+00	
	0.37350E+01	0.23994E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.87536E+00
	0.30500E+00	0.94776E+00	
	0.61000E+00	0.89432E+00	
	0.91500E+00	0.83859E+00	
	0.12200E+01	0.77963E+00	
	0.15250E+01	0.71686E+00	
	0.18300E+01	0.65010E+00	
	0.21350E+01	0.57960E+00	
	0.24400E+01	0.50605E+00	
	0.27450E+01	0.43052E+00	
	0.30500E+01	0.35476E+00	
	0.37350E+01	0.24229E+00	

0.44200E+01 0.15102E+00
 0.51050E+01 0.85414E-01
 0.57900E+01 0.43721E-01
 0.64750E+01 0.20249E-01
 0.71600E+01 0.84901E-02
 0.78450E+01 0.32246E-02
 0.85300E+01 0.11106E-02
 0.92150E+01 0.34800E-03
 0.99000E+01 0.10027E-03
 0.10585E+02 0.27435E-04
 0.11270E+02 0.77781E-05
 0.11955E+02 0.27444E-05
 0.12640E+02 0.14553E-05
 0.13325E+02 0.11154E-05
 0.14010E+02 0.10264E-05
 0.14695E+02 0.10050E-05
 0.15380E+02 0.10006E-05
 0.16065E+02 0.99992E-06
 0.16750E+02 0.99992E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15469E+00
 0.51050E+01 0.89252E-01
 0.57900E+01 0.46822E-01
 0.64750E+01 0.22313E-01
 0.71600E+01 0.96599E-02
 0.78450E+01 0.38016E-02
 0.85300E+01 0.13613E-02
 0.92150E+01 0.44472E-03
 0.99000E+01 0.13264E-03
 0.10585E+02 0.37835E-04
 0.11270E+02 0.10776E-04
 0.11955E+02 0.35815E-05
 0.12640E+02 0.16940E-05
 0.13325E+02 0.11851E-05
 0.14010E+02 0.10463E-05
 0.14695E+02 0.10102E-05
 0.15380E+02 0.10017E-05
 0.16065E+02 0.10001E-05
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.87989E+00
	0.30500E+00	0.94640E+00	
	0.61000E+00	0.89173E+00	
	0.91500E+00	0.83501E+00	
	0.12200E+01	0.77539E+00	
	0.15250E+01	0.71235E+00	
	0.18300E+01	0.64574E+00	
	0.21350E+01	0.57581E+00	
	0.24400E+01	0.50321E+00	
	0.27450E+01	0.42901E+00	
	0.30500E+01	0.35470E+00	
	0.37350E+01	0.24454E+00	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.88454E+00
	0.30500E+00	0.94516E+00	
	0.61000E+00	0.88938E+00	
	0.91500E+00	0.83176E+00	
	0.12200E+01	0.77154E+00	
	0.15250E+01	0.70827E+00	
	0.18300E+01	0.64181E+00	
	0.21350E+01	0.57242E+00	
	0.24400E+01	0.50073E+00	
	0.27450E+01	0.42772E+00	
	0.30500E+01	0.35477E+00	
	0.37350E+01	0.24671E+00	

0.44200E+01 0.15816E+00
 0.51050E+01 0.92924E-01
 0.57900E+01 0.49858E-01
 0.64750E+01 0.24393E-01
 0.71600E+01 0.10880E-01
 0.78450E+01 0.44256E-02
 0.85300E+01 0.16432E-02
 0.92150E+01 0.55812E-03
 0.99000E+01 0.17453E-03
 0.10585E+02 0.51171E-04
 0.11270E+02 0.14782E-04
 0.11955E+02 0.47331E-05
 0.12640E+02 0.20279E-05
 0.13325E+02 0.12849E-05
 0.14010E+02 0.10759E-05
 0.14695E+02 0.10184E-05
 0.15380E+02 0.10038E-05
 0.16065E+02 0.10006E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16146E+00
 0.51050E+01 0.96444E-01
 0.57900E+01 0.52825E-01
 0.64750E+01 0.26482E-01
 0.71600E+01 0.12144E-01
 0.78450E+01 0.50943E-02
 0.85300E+01 0.19564E-02
 0.92150E+01 0.68913E-03
 0.99000E+01 0.22377E-03
 0.10585E+02 0.67933E-04
 0.11270E+02 0.20026E-04
 0.11955E+02 0.62876E-05
 0.12640E+02 0.24866E-05
 0.13325E+02 0.14244E-05
 0.14010E+02 0.11187E-05
 0.14695E+02 0.10311E-05
 0.15380E+02 0.10073E-05
 0.16065E+02 0.10014E-05
 0.16750E+02 0.10002E-05
 0.17435E+02 0.99999E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.88929E+00
	0.30500E+00	0.94401E+00	
	0.61000E+00	0.88724E+00	
	0.91500E+00	0.82880E+00	
	0.12200E+01	0.76805E+00	
	0.15250E+01	0.70458E+00	
	0.18300E+01	0.63828E+00	
	0.21350E+01	0.56941E+00	
	0.24400E+01	0.49856E+00	
	0.27450E+01	0.42664E+00	
	0.30500E+01	0.35494E+00	
	0.37350E+01	0.24881E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.89414E+00
	0.30500E+00	0.94301E+00	
	0.61000E+00	0.88529E+00	
	0.91500E+00	0.82612E+00	
	0.12200E+01	0.76489E+00	
	0.15250E+01	0.70125E+00	
	0.18300E+01	0.63511E+00	
	0.21350E+01	0.56573E+00	
	0.24400E+01	0.49667E+00	
	0.27450E+01	0.42576E+00	
	0.30500E+01	0.35521E+00	
	0.37350E+01	0.25084E+00	

0.44200E+01 0.16461E+00
 0.51050E+01 0.99825E-01
 0.57900E+01 0.55726E-01
 0.64750E+01 0.28573E-01
 0.71600E+01 0.13445E-01
 0.78450E+01 0.58047E-02
 0.85300E+01 0.23008E-02
 0.92150E+01 0.83854E-03
 0.99000E+01 0.28215E-03
 0.10585E+02 0.86624E-04
 0.11270E+02 0.26757E-04
 0.11955E+02 0.83485E-05
 0.12640E+02 0.31068E-05
 0.13325E+02 0.18157E-05
 0.14010E+02 0.11790E-05
 0.14695E+02 0.10496E-05
 0.15380E+02 0.10126E-05
 0.16065E+02 0.10028E-05
 0.16750E+02 0.10005E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99999E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16762E+00
 0.51050E+01 0.10308E+00
 0.57900E+01 0.58560E-01
 0.64750E+01 0.30661E-01
 0.71600E+01 0.14778E-01
 0.78450E+01 0.65541E-02
 0.85300E+01 0.26758E-02
 0.92150E+01 0.10069E-02
 0.99000E+01 0.35039E-03
 0.10585E+02 0.11375E-03
 0.11270E+02 0.35247E-04
 0.11955E+02 0.11034E-04
 0.12640E+02 0.39325E-05
 0.13325E+02 0.18737E-05
 0.14010E+02 0.12618E-05
 0.14695E+02 0.10760E-05
 0.15380E+02 0.10207E-05
 0.16065E+02 0.10051E-05
 0.16750E+02 0.10011E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.8990E+00
	0.30500E+00	0.94208E+00	
	0.61000E+00	0.88353E+00	
	0.91500E+00	0.82369E+00	
	0.12200E+01	0.76204E+00	
	0.15250E+01	0.69826E+00	
	0.18300E+01	0.63228E+00	
	0.21350E+01	0.56437E+00	
	0.24400E+01	0.49503E+00	
	0.27450E+01	0.42506E+00	
	0.30500E+01	0.35571E+00	
	0.37350E+01	0.25281E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.91924E+00
	0.30500E+00	0.94671E+00	
	0.61000E+00	0.88961E+00	
	0.91500E+00	0.82991E+00	
	0.12200E+01	0.76820E+00	
	0.15250E+01	0.70460E+00	
	0.18300E+01	0.63917E+00	
	0.21350E+01	0.57217E+00	
	0.24400E+01	0.50410E+00	
	0.27450E+01	0.43570E+00	
	0.30500E+01	0.36771E+00	
	0.37350E+01	0.26085E+00	

0.44200E+01 0.17539E+00
 0.51050E+01 0.11009E+00
 0.57900E+01 0.64128E-01
 0.64750E+01 0.34575E-01
 0.71600E+01 0.17227E-01
 0.78450E+01 0.79280E-02
 0.85300E+01 0.33698E-02
 0.92150E+01 0.13240E-02
 0.99000E+01 0.48207E-03
 0.10585E+02 0.16363E-03
 0.11270E+02 0.52601E-04
 0.11955E+02 0.16651E-04
 0.12640E+02 0.56704E-05
 0.13325E+02 0.24094E-05
 0.14010E+02 0.14317E-05
 0.14695E+02 0.11308E-05
 0.15380E+02 0.10379E-05
 0.16065E+02 0.10102E-05
 0.16750E+02 0.10025E-05
 0.17435E+02 0.10005E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.18821E+00
 0.51050E+01 0.12093E+00
 0.57900E+01 0.72614E-01
 0.64750E+01 0.40566E-01
 0.71600E+01 0.21042E-01
 0.78450E+01 0.10125E-01
 0.85300E+01 0.45175E-02
 0.92150E+01 0.18698E-02
 0.99000E+01 0.71901E-03
 0.10585E+02 0.25785E-03
 0.11270E+02 0.87064E-04
 0.11955E+02 0.28343E-04
 0.12640E+02 0.94132E-05
 0.13325E+02 0.35760E-05
 0.14010E+02 0.17991E-05
 0.14695E+02 0.12493E-05
 0.15380E+02 0.10761E-05
 0.16065E+02 0.10221E-05
 0.16750E+02 0.10060E-05
 0.17435E+02 0.10015E-05
 0.18120E+02 0.10003E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.95396E+00
	0.30500E+00	0.95289E+00	
	0.61000E+00	0.90007E+00	
	0.91500E+00	0.84297E+00	
	0.12200E+01	0.78275E+00	
	0.15250E+01	0.72020E+00	
	0.18300E+01	0.65581E+00	
	0.21350E+01	0.59002E+00	
	0.24400E+01	0.52388E+00	
	0.27450E+01	0.45603E+00	
	0.30500E+01	0.38854E+00	
	0.37350E+01	0.27637E+00	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.10027E+01
	0.30500E+00	0.95937E+00	
	0.61000E+00	0.91229E+00	
	0.91500E+00	0.85986E+00	
	0.12200E+01	0.80320E+00	
	0.15250E+01	0.74330E+00	
	0.18300E+01	0.68096E+00	
	0.21350E+01	0.61681E+00	
	0.24400E+01	0.55133E+00	
	0.27450E+01	0.48482E+00	
	0.30500E+01	0.41730E+00	
	0.37350E+01	0.29962E+00	

0.44200E+01 0.20688E+00
 0.51050E+01 0.13603E+00
 0.57900E+01 0.84351E-01
 0.64750E+01 0.49004E-01
 0.71600E+01 0.26582E-01
 0.78450E+01 0.13441E-01
 0.85300E+01 0.63311E-02
 0.92150E+01 0.27776E-02
 0.99000E+01 0.11359E-02
 0.10585E+02 0.43888E-03
 0.11270E+02 0.15563E-03
 0.11955E+02 0.53103E-04
 0.12640E+02 0.17784E-04
 0.13325E+02 0.62791E-05
 0.14010E+02 0.26586E-05
 0.14695E+02 0.15260E-05
 0.15380E+02 0.11666E-05
 0.16065E+02 0.10515E-05
 0.16750E+02 0.10152E-05
 0.17435E+02 0.10042E-05
 0.18120E+02 0.10011E-05
 0.18805E+02 0.10002E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.10650E+01
	0.30500E+00	0.96560E+00	
	0.61000E+00	0.92477E+00	
	0.91500E+00	0.87816E+00	
	0.12200E+01	0.82661E+00	
	0.15250E+01	0.77095E+00	
	0.18300E+01	0.71199E+00	
	0.21350E+01	0.65038E+00	
	0.24400E+01	0.58663E+00	
	0.27450E+01	0.52101E+00	
	0.30500E+01	0.45348E+00	
	0.37350E+01	0.33060E+00	

0.44200E+01 0.26437E+00
 0.51050E+01 0.18212E+00
 0.57900E+01 0.12010E+00
 0.64750E+01 0.75386E-01
 0.71600E+01 0.44825E-01
 0.78450E+01 0.25156E-01
 0.85300E+01 0.13293E-01
 0.92150E+01 0.66063E-02
 0.99000E+01 0.30860E-02
 0.10585E+02 0.13552E-02
 0.11270E+02 0.56016E-03
 0.11955E+02 0.21856E-03
 0.12640E+02 0.81076E-04
 0.13325E+02 0.29079E-04
 0.14010E+02 0.10494E-04
 0.14695E+02 0.41466E-05
 0.15380E+02 0.20378E-05
 0.16065E+02 0.13423E-05
 0.16750E+02 0.11120E-05
 0.17435E+02 0.10359E-05
 0.18120E+02 0.10111E-05
 0.18805E+02 0.10033E-05
 0.19490E+02 0.10009E-05
 0.20175E+02 0.10002E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.12291E+01
	0.30500E+00	0.97639E+00	
	0.61000E+00	0.94740E+00	
	0.91500E+00	0.91305E+00	
	0.12200E+01	0.87350E+00	
	0.15250E+01	0.82905E+00	
	0.18300E+01	0.78003E+00	
	0.21350E+01	0.72675E+00	
	0.24400E+01	0.66949E+00	
	0.27450E+01	0.60836E+00	
	0.30500E+01	0.54324E+00	
	0.37350E+01	0.41424E+00	

0.44200E+01 0.23207E+00
 0.51050E+01 0.15614E+00
 0.57900E+01 0.99907E-01
 0.64750E+01 0.60385E-01
 0.71600E+01 0.34313E-01
 0.78450E+01 0.18280E-01
 0.85300E+01 0.91175E-02
 0.92150E+01 0.42550E-02
 0.99000E+01 0.18582E-02
 0.10585E+02 0.76011E-03
 0.11270E+02 0.29202E-03
 0.11955E+02 0.10605E-03
 0.12640E+02 0.36973E-04
 0.13325E+02 0.12842E-04
 0.14010E+02 0.48198E-05
 0.14695E+02 0.22298E-05
 0.15380E+02 0.13978E-05
 0.16065E+02 0.11279E-05
 0.16750E+02 0.10402E-05
 0.17435E+02 0.10121E-05
 0.18120E+02 0.10034E-05
 0.18805E+02 0.10009E-05
 0.19490E+02 0.10002E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.11406E+01
	0.30500E+00	0.97132E+00	
	0.61000E+00	0.93664E+00	
	0.91500E+00	0.89623E+00	
	0.12200E+01	0.85059E+00	
	0.15250E+01	0.80027E+00	
	0.18300E+01	0.74587E+00	
	0.21350E+01	0.68973E+00	
	0.24400E+01	0.62689E+00	
	0.27450E+01	0.56295E+00	
	0.30500E+01	0.49606E+00	
	0.37350E+01	0.36907E+00	

0.44200E+01 0.30392E+00
 0.51050E+01 0.21476E+00
 0.57900E+01 0.14586E+00
 0.64750E+01 0.94891E-01
 0.71600E+01 0.58873E-01
 0.78450E+01 0.34710E-01
 0.85300E+01 0.19401E-01
 0.92150E+01 0.10254E-01
 0.99000E+01 0.51198E-02
 0.10585E+02 0.24136E-02
 0.11270E+02 0.10746E-02
 0.11955E+02 0.45232E-03
 0.12640E+02 0.18056E-03
 0.13325E+02 0.68838E-04
 0.14010E+02 0.25493E-04
 0.14695E+02 0.95302E-05
 0.15380E+02 0.39135E-05
 0.16065E+02 0.19856E-05
 0.16750E+02 0.13321E-05
 0.17435E+02 0.11109E-05
 0.18120E+02 0.10363E-05
 0.18805E+02 0.10115E-05
 0.19490E+02 0.10035E-05
 0.20175E+02 0.10010E-05
 0.20860E+02 0.10003E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.13305E+01
	0.30500E+00	0.98075E+00	
	0.61000E+00	0.95682E+00	
	0.91500E+00	0.92806E+00	
	0.12200E+01	0.89440E+00	
	0.15250E+01	0.85588E+00	
	0.18300E+01	0.81259E+00	
	0.21350E+01	0.76444E+00	
	0.24400E+01	0.71208E+00	
	0.27450E+01	0.65488E+00	
	0.30500E+01	0.59283E+00	
	0.37350E+01	0.46445E+00	

0.44200E+01 0.35029E+00
 0.51050E+01 0.25447E+00
 0.57900E+01 0.17809E+00
 0.64750E+01 0.11987E+00
 0.71600E+01 0.77385E-01
 0.78450E+01 0.47779E-01
 0.85300E+01 0.28133E-01
 0.92150E+01 0.15761E-01
 0.99000E+01 0.83873E-02
 0.10585E+02 0.42348E-02
 0.11270E+02 0.20277E-02
 0.11955E+02 0.92085E-03
 0.12640E+02 0.39706E-03
 0.13325E+02 0.16301E-03
 0.14010E+02 0.64141E-04
 0.14695E+02 0.24570E-04
 0.15380E+02 0.94982E-05
 0.16065E+02 0.39932E-05
 0.16750E+02 0.20410E-05
 0.17435E+02 0.13593E-05
 0.18120E+02 0.11227E-05
 0.18805E+02 0.10412E-05
 0.19490E+02 0.10135E-05
 0.20175E+02 0.10043E-05
 0.20860E+02 0.10013E-05
 0.21545E+02 0.10004E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.40235E+00
 0.51050E+01 0.30110E+00
 0.57900E+01 0.21736E+00
 0.64750E+01 0.15129E+00
 0.71600E+01 0.10140E+00
 0.78450E+01 0.65323E-01
 0.85300E+01 0.40355E-01
 0.92150E+01 0.23856E-01
 0.99000E+01 0.13471E-01
 0.10585E+02 0.72544E-02
 0.11270E+02 0.37223E-02
 0.11955E+02 0.18188E-02
 0.12640E+02 0.84636E-03
 0.13325E+02 0.37539E-03
 0.14010E+02 0.15908E-03
 0.14695E+02 0.64780E-04
 0.15380E+02 0.25692E-04
 0.16065E+02 0.10234E-04
 0.16750E+02 0.43662E-05
 0.17435E+02 0.22073E-05
 0.18120E+02 0.14282E-05
 0.18805E+02 0.11501E-05
 0.19490E+02 0.10517E-05
 0.20175E+02 0.10174E-05
 0.20860E+02 0.10057E-05
 0.21545E+02 0.10018E-05
 0.22230E+02 0.10006E-05
 0.22915E+02 0.10002E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.1000E+01	0.14447E+01
	0.3050E+00	0.9843E+00	
	0.6100E+00	0.9648E+00	
	0.9150E+00	0.9410E+00	
	0.1220E+01	0.9128E+00	
	0.1525E+01	0.8799E+00	
	0.1830E+01	0.8424E+00	
	0.2135E+01	0.8000E+00	
	0.2440E+01	0.7528E+00	
	0.2745E+01	0.7004E+00	
	0.3050E+01	0.6426E+00	
	0.3735E+01	0.5183E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.1000E+01	0.15717E+01
	0.3050E+00	0.9874E+00	
	0.6100E+00	0.9715E+00	
	0.9150E+00	0.9521E+00	
	0.1220E+01	0.9286E+00	
	0.1525E+01	0.9010E+00	
	0.1830E+01	0.8689E+00	
	0.2135E+01	0.8321E+00	
	0.2440E+01	0.7904E+00	
	0.2745E+01	0.7434E+00	
	0.3050E+01	0.6907E+00	
	0.3735E+01	0.5731E+00	

0.44200E+01 0.45839E+00
 0.51050E+01 0.35378E+00
 0.57900E+01 0.26368E+00
 0.64750E+01 0.18981E+00
 0.71600E+01 0.13192E+00
 0.78450E+01 0.88432E-01
 0.85300E+01 0.57099E-01
 0.92150E+01 0.35453E-01
 0.99000E+01 0.21134E-01
 0.10585E+02 0.12077E-01
 0.11270E+02 0.66072E-02
 0.11955E+02 0.34577E-02
 0.12640E+02 0.17299E-02
 0.13325E+02 0.82736E-03
 0.14010E+02 0.37851E-03
 0.14695E+02 0.16597E-03
 0.15380E+02 0.70071E-04
 0.16065E+02 0.28797E-04
 0.16750E+02 0.11807E-04
 0.17435E+02 0.50885E-05
 0.18120E+02 0.25167E-05
 0.18805E+02 0.15548E-05
 0.19490E+02 0.12003E-05
 0.20175E+02 0.10711E-05
 0.20860E+02 0.10247E-05
 0.21545E+02 0.10084E-05
 0.22230E+02 0.10028E-05
 0.22915E+02 0.10009E-05
 0.23600E+02 0.10003E-05
 0.24285E+02 0.10001E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.51640E+00
 0.51050E+01 0.41105E+00
 0.57900E+01 0.31640E+00
 0.64750E+01 0.23556E+00
 0.71600E+01 0.16964E+00
 0.78450E+01 0.11813E+00
 0.85300E+01 0.79490E-01
 0.92150E+01 0.51634E-01
 0.99000E+01 0.32338E-01
 0.10585E+02 0.19502E-01
 0.11270E+02 0.11313E-01
 0.11955E+02 0.63051E-02
 0.12640E+02 0.33736E-02
 0.13325E+02 0.17320E-02
 0.14010E+02 0.85302E-03
 0.14695E+02 0.40321E-03
 0.15380E+02 0.18318E-03
 0.16065E+02 0.80274E-04
 0.16750E+02 0.34212E-04
 0.17435E+02 0.14448E-04
 0.18120E+02 0.62915E-05
 0.18805E+02 0.30365E-05
 0.19490E+02 0.17707E-05
 0.20175E+02 0.12874E-05
 0.20860E+02 0.11055E-05
 0.21545E+02 0.10379E-05
 0.22230E+02 0.10133E-05
 0.22915E+02 0.10046E-05
 0.23600E+02 0.10015E-05
 0.24285E+02 0.10005E-05
 0.24970E+02 0.10002E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.1000E+01	0.17115E+01
	0.3050E+00	0.9899E+00	
	0.6100E+00	0.9772E+00	
	0.9150E+00	0.9613E+00	
	0.1220E+01	0.9420E+00	
	0.1525E+01	0.9190E+00	
	0.1830E+01	0.8919E+00	
	0.2135E+01	0.8605E+00	
	0.2440E+01	0.8243E+00	
	0.2745E+01	0.7829E+00	
	0.3050E+01	0.7358E+00	
	0.3735E+01	0.6271E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.1000E+01	0.18641E+01
	0.3050E+00	0.9920E+00	
	0.6100E+00	0.9817E+00	
	0.9150E+00	0.9689E+00	
	0.1220E+01	0.9532E+00	
	0.1525E+01	0.9342E+00	
	0.1830E+01	0.9116E+00	
	0.2135E+01	0.8851E+00	
	0.2440E+01	0.8541E+00	
	0.2745E+01	0.8183E+00	
	0.3050E+01	0.7769E+00	
	0.3735E+01	0.6786E+00	


```

#VAR Existing Expansion Area - ELIHMK.IH
2
# 0.018 0.42 0 ARE ANY LAYERS FRACTURED?
# 0.018 0.41 0 1.91 3.05 10
# 0 1.69 27.4 40
# MT - Top Boundary Code
# MB - Base Boundary Code
# Is there Decay
# Do you have an initial concentration profile?
# Is there a variation in velocity within groups?
# Number of groups of variable data
# Time at which analysis starts
# 0 5 5 1 T(end), No. Time Steps, CO
# 0 0.00756 0 DCO, DVa, DVb, DQc
# 0 0.9 1 Va, alpha
# 15 2 1 T(end), No. Time Steps, CO
# 0 0 DCO, DVa, DVb, DQc
# 0.0378 0.9 0 Va, alpha
# 16 1 1 T(end), No. Time Steps, CO
# 0 0 DCO, DVa, DVb, DQc
# 0.0378 0.9 0 Va, alpha
# 19 3 1 T(end), No. Time Steps, CO
# 0 -0.0126 0 DCO, DVa, DVb, DQc
# 0.0378 0.9 1 Va, alpha
# 20 1 1 T(end), No. Time Steps, CO
# 0 0 DCO, DVa, DVb, DQc
# 0 0.9 0 Va, alpha
# 75 11 1 T(end), No. Time Steps, CO
# 0 0 DCO, DVa, DVb, DQc
# 0 0.9 0 Va, alpha
# 145 14 1 T(end), No. Time Steps, CO
# 0 0.0027 0 DCO, DVa, DVb, DQc
# 0 0.9 0 Va, alpha
# Accept default TALBOT parameters?
# Limited number of depths for results

```

```

.....
POLLUTE v 6 SIMULATION
.....
RUN DATE - 27- 8-99
TIME - 11:30:35
.....
REVISION - 1994/03/01
.....
VERSION 6.0.2
.....
COPYRIGHT(c) R.K. ROME & J.R. BOOKER 1983-1995
.....
LICENSED USER: Andrews Environmental Eng. Inc
.....

```

```

#VAR Existing Expansion Area - ELIHMK.IH
.....

```

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	PROPERTIES OF THE MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.42000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

THE TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

```

CODE TOP BOTTOM
1 = Zero Flux Zero Flux
2 = C = Const. C = Const.
3 = Finite Mass Fixed Outflow Velocity
4 = Infinite Bottom Layer

```

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RIU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.63583E-01
	0.3050E+00	0.10795E+00	
	0.6100E+00	0.13045E-02	
	0.9150E+00	0.14179E-05	
	0.1220E+01	0.12828E-09	
	0.1525E+01	0.37175E-13	
	0.1830E+01	0.10920E-14	
	0.2135E+01	0.16809E-16	
	0.2440E+01	0.12487E-18	
	0.2745E+01	0.47176E-21	
	0.3050E+01	0.58286E-24	
	0.3735E+01	0.82867E-31	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01 0.11335E-35
 0.51050E+01 0.13777E-41
 0.57900E+01 0.45813E-48
 0.64750E+01 0.00000E+00
 0.71600E+01 0.00000E+00
 0.78450E+01 0.00000E+00
 0.85300E+01 0.00000E+00
 0.92150E+01 0.00000E+00
 0.99000E+01 0.00000E+00
 0.10585E+02 0.00000E+00
 0.11270E+02 0.00000E+00
 0.11955E+02 0.00000E+00
 0.12640E+02 0.00000E+00
 0.13325E+02 0.00000E+00
 0.14010E+02 0.00000E+00
 0.14695E+02 0.00000E+00
 0.15380E+02 0.00000E+00
 0.16065E+02 0.00000E+00
 0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

0.44200E+01 0.18476E-19
 0.51050E+01 0.76194E-13
 0.57900E+01 0.40657E-08
 0.64750E+01 0.48270E-06
 0.71600E+01 0.99476E-06
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.1000E+01	0.11860E+00
	0.30500E+00	0.35076E+00	
	0.61000E+00	0.59429E-01	
	0.91500E+00	0.46928E-02	
	0.12200E+01	0.16640E-03	
	0.15250E+01	0.25641E-05	
	0.18300E+01	0.16856E-07	
	0.21350E+01	0.46677E-10	
	0.24400E+01	0.65920E-13	
	0.27450E+01	0.10233E-14	
	0.30500E+01	0.62559E-16	
	0.37350E+01	0.39589E-19	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.1000E+01	0.17532E+00
	0.30500E+00	0.53177E+00	
	0.61000E+00	0.19724E+00	
	0.91500E+00	0.49974E-01	
	0.12200E+01	0.85107E-02	
	0.15250E+01	0.96098E-03	
	0.18300E+01	0.71288E-04	
	0.21350E+01	0.34523E-05	
	0.24400E+01	0.10858E-06	
	0.27450E+01	0.22081E-08	
	0.30500E+01	0.29197E-10	
	0.37350E+01	0.74367E-15	

0.44200E+01 0.12073E-12
 0.51050E+01 0.19517E-09
 0.57900E+01 0.25550E-07
 0.64750E+01 0.36471E-06
 0.71600E+01 0.86623E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.25987E-10
 0.51050E+01 0.22132E-08
 0.57900E+01 0.48773E-07
 0.64750E+01 0.31480E-06
 0.71600E+01 0.73857E-06
 0.78450E+01 0.95790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.1000E+01	0.23498E+00
	0.30500E+00	0.65259E+00	
	0.61000E+00	0.34457E+00	
	0.91500E+00	0.14524E+00	
	0.12200E+01	0.48378E-01	
	0.15250E+01	0.12624E-01	
	0.18300E+01	0.25648E-02	
	0.21350E+01	0.40395E-03	
	0.24400E+01	0.49161E-04	
	0.27450E+01	0.46111E-05	
	0.30500E+01	0.33516E-06	
	0.37350E+01	0.37351E-09	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.29830E+00
	0.30500E+00	0.73532E+00	
	0.61000E+00	0.47112E+00	
	0.91500E+00	0.26061E+00	
	0.12200E+01	0.12357E+00	
	0.15250E+01	0.49916E-01	
	0.18300E+01	0.17100E-01	
	0.21350E+01	0.49509E-02	
	0.24400E+01	0.12084E-02	
	0.27450E+01	0.24815E-03	
	0.30500E+01	0.43104E-04	
	0.37350E+01	0.46033E-06	

0.44200E+01 0.23434E-08
 0.51050E+01 0.69789E-08
 0.57900E+01 0.86025E-07
 0.64750E+01 0.28521E-06
 0.71600E+01 0.63577E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99861E-06
 0.99000E+01 0.99994E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.17189E-02
 0.51050E+01 0.22987E-03
 0.57900E+01 0.23006E-04
 0.64750E+01 0.19263E-05
 0.71600E+01 0.51641E-06
 0.78450E+01 0.63771E-06
 0.85300E+01 0.81080E-06
 0.92150E+01 0.92164E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.58759E+00
	0.30500E+00	0.89437E+00	
	0.61000E+00	0.76925E+00	
	0.91500E+00	0.63386E+00	
	0.12200E+01	0.49880E+00	
	0.15250E+01	0.37388E+00	
	0.18300E+01	0.26640E+00	
	0.21350E+01	0.18013E+00	
	0.24400E+01	0.11545E+00	
	0.27450E+01	0.70105E-01	
	0.30500E+01	0.40423E-01	
	0.37350E+01	0.96159E-02	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.82595E+00
	0.30500E+00	0.93717E+00	
	0.61000E+00	0.86030E+00	
	0.91500E+00	0.77194E+00	
	0.12200E+01	0.67581E+00	
	0.15250E+01	0.57633E+00	
	0.18300E+01	0.47811E+00	
	0.21350E+01	0.38539E+00	
	0.24400E+01	0.30160E+00	
	0.27450E+01	0.22906E+00	
	0.30500E+01	0.16893E+00	
	0.37350E+01	0.75931E-01	

0.44200E+01 0.28897E-01
 0.51050E+01 0.92714E-02
 0.57900E+01 0.25022E-02
 0.64750E+01 0.56763E-03
 0.71600E+01 0.10841E-03
 0.78450E+01 0.17790E-04
 0.85300E+01 0.29890E-05
 0.92150E+01 0.10600E-05
 0.99000E+01 0.91689E-06
 0.10585E+02 0.95218E-06
 0.11270E+02 0.98044E-06
 0.11955E+02 0.99334E-06
 0.12640E+02 0.99807E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.39118E-01
 0.51050E+01 0.13851E-01
 0.57900E+01 0.41819E-02
 0.64750E+01 0.10749E-02
 0.71600E+01 0.23534E-03
 0.78450E+01 0.44337E-04
 0.85300E+01 0.77452E-05
 0.92150E+01 0.18206E-05
 0.99000E+01 0.10116E-05
 0.10585E+02 0.95126E-06
 0.11270E+02 0.97330E-06
 0.11955E+02 0.98947E-06
 0.12640E+02 0.99652E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.10000E+01	0.87117E+00
	0.30500E+00	0.94172E+00	
	0.61000E+00	0.87047E+00	
	0.91500E+00	0.78840E+00	
	0.12200E+01	0.69844E+00	
	0.15250E+01	0.60424E+00	
	0.18300E+01	0.50980E+00	
	0.21350E+01	0.41901E+00	
	0.24400E+01	0.33519E+00	
	0.27450E+01	0.26079E+00	
	0.30500E+01	0.19732E+00	
	0.37350E+01	0.94627E-01	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.10000E+01	0.91585E+00
	0.30500E+00	0.94593E+00	
	0.61000E+00	0.87973E+00	
	0.91500E+00	0.80319E+00	
	0.12200E+01	0.71875E+00	
	0.15250E+01	0.62947E+00	
	0.18300E+01	0.53882E+00	
	0.21350E+01	0.45031E+00	
	0.24400E+01	0.36707E+00	
	0.27450E+01	0.29159E+00	
	0.30500E+01	0.22566E+00	
	0.37350E+01	0.11464E+00	

0.44200E+01 0.50815E-01
 0.51050E+01 0.19561E-01
 0.57900E+01 0.65035E-02
 0.64750E+01 0.18625E-02
 0.71600E+01 0.45918E-03
 0.78450E+01 0.97954E-04
 0.85300E+01 0.18715E-04
 0.92150E+01 0.38162E-05
 0.99000E+01 0.13505E-05
 0.10585E+02 0.99510E-06
 0.11270E+02 0.97163E-06
 0.11955E+02 0.98527E-06
 0.12640E+02 0.99437E-06
 0.13325E+02 0.99818E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99987E-06
 0.15380E+02 0.99997E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.59588E-01
 0.51050E+01 0.24158E-01
 0.57900E+01 0.85322E-02
 0.64750E+01 0.26164E-02
 0.71600E+01 0.69576E-03
 0.78450E+01 0.16096E-03
 0.85300E+01 0.33118E-04
 0.92150E+01 0.67460E-05
 0.99000E+01 0.19228E-05
 0.10585E+02 0.11000E-05
 0.11270E+02 0.98411E-06
 0.11955E+02 0.98355E-06
 0.12640E+02 0.99253E-06
 0.13325E+02 0.99732E-06
 0.14010E+02 0.99917E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.94585E+00
	0.30500E+00	0.94769E+00	
	0.61000E+00	0.88436E+00	
	0.91500E+00	0.81129E+00	
	0.12200E+01	0.73044E+00	
	0.15250E+01	0.64449E+00	
	0.18300E+01	0.55658E+00	
	0.21350E+01	0.46994E+00	
	0.24400E+01	0.38755E+00	
	0.27450E+01	0.31183E+00	
	0.30500E+01	0.24462E+00	
	0.37350E+01	0.12867E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.96147E+00
	0.30500E+00	0.94737E+00	
	0.61000E+00	0.88514E+00	
	0.91500E+00	0.81380E+00	
	0.12200E+01	0.73488E+00	
	0.15250E+01	0.65084E+00	
	0.18300E+01	0.56462E+00	
	0.21350E+01	0.47927E+00	
	0.24400E+01	0.39765E+00	
	0.27450E+01	0.32210E+00	
	0.30500E+01	0.25434E+00	
	0.37350E+01	0.13601E+00	

0.44200E+01 0.64486E-01
 0.51050E+01 0.26890E-01
 0.57900E+01 0.98151E-02
 0.64750E+01 0.31253E-02
 0.71600E+01 0.86484E-03
 0.78450E+01 0.20997E-03
 0.85300E+01 0.45249E-04
 0.92150E+01 0.94457E-05
 0.99000E+01 0.25125E-05
 0.10585E+02 0.12310E-05
 0.11270E+02 0.10079E-05
 0.11955E+02 0.98537E-06
 0.12640E+02 0.99151E-06
 0.13325E+02 0.99664E-06
 0.14010E+02 0.99889E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.65181E-01
 0.51050E+01 0.27402E-01
 0.57900E+01 0.10101E-01
 0.64750E+01 0.32543E-02
 0.71600E+01 0.91493E-03
 0.78450E+01 0.22512E-03
 0.85300E+01 0.49431E-04
 0.92150E+01 0.10536E-04
 0.99000E+01 0.28087E-05
 0.10585E+02 0.13152E-05
 0.11270E+02 0.10285E-05
 0.11955E+02 0.98852E-06
 0.12640E+02 0.99140E-06
 0.13325E+02 0.99632E-06
 0.14010E+02 0.99873E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.96280E+00
	0.30500E+00	0.94458E+00	
	0.61000E+00	0.88220E+00	
	0.91500E+00	0.81113E+00	
	0.12200E+01	0.73271E+00	
	0.15250E+01	0.64930E+00	
	0.18300E+01	0.56377E+00	
	0.21350E+01	0.47908E+00	
	0.24400E+01	0.39803E+00	
	0.27450E+01	0.32289E+00	
	0.30500E+01	0.25515E+00	
	0.37350E+01	0.13664E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.97001E+00
	0.30500E+00	0.93883E+00	
	0.61000E+00	0.87401E+00	
	0.91500E+00	0.80342E+00	
	0.12200E+01	0.72698E+00	
	0.15250E+01	0.64622E+00	
	0.18300E+01	0.56352E+00	
	0.21350E+01	0.48150E+00	
	0.24400E+01	0.40267E+00	
	0.27450E+01	0.32321E+00	
	0.30500E+01	0.26302E+00	
	0.37350E+01	0.14433E+00	

0.44200E+01 0.70910E-01
 0.51050E+01 0.31000E-01
 0.57900E+01 0.11982E-01
 0.64750E+01 0.40799E-02
 0.71600E+01 0.12218E-02
 0.78450E+01 0.22234E-03
 0.85300E+01 0.75906E-04
 0.92150E+01 0.16848E-04
 0.99000E+01 0.41958E-05
 0.10585E+02 0.16256E-05
 0.11270E+02 0.11004E-05
 0.11955E+02 0.10023E-05
 0.12640E+02 0.99248E-06
 0.13325E+02 0.99571E-06
 0.14010E+02 0.99831E-06
 0.14695E+02 0.99946E-06
 0.15380E+02 0.99966E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.76598E-01
 0.51050E+01 0.34662E-01
 0.57900E+01 0.13976E-01
 0.64750E+01 0.50010E-02
 0.71600E+01 0.15850E-02
 0.78450E+01 0.44527E-03
 0.85300E+01 0.11188E-03
 0.92150E+01 0.26072E-04
 0.99000E+01 0.63511E-05
 0.10585E+02 0.21226E-05
 0.11270E+02 0.12195E-05
 0.11955E+02 0.10293E-05
 0.12640E+02 0.99693E-06
 0.13325E+02 0.99572E-06
 0.14010E+02 0.99793E-06
 0.14695E+02 0.99924E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.9778E+00
	0.3050E+00	0.93537E+00	
	0.6100E+00	0.86837E+00	
	0.9150E+00	0.79740E+00	
	0.1220E+01	0.72213E+00	
	0.1525E+01	0.64346E+00	
	0.1830E+01	0.56321E+00	
	0.2135E+01	0.48361E+00	
	0.2440E+01	0.40690E+00	
	0.2745E+01	0.33512E+00	
	0.3050E+01	0.27004E+00	
	0.3735E+01	0.15166E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.98598E+00
	0.3050E+00	0.93296E+00	
	0.6100E+00	0.86430E+00	
	0.9150E+00	0.79285E+00	
	0.1220E+01	0.71827E+00	
	0.1525E+01	0.64118E+00	
	0.1830E+01	0.56298E+00	
	0.2135E+01	0.48552E+00	
	0.2440E+01	0.41076E+00	
	0.2745E+01	0.34053E+00	
	0.3050E+01	0.27650E+00	
	0.3735E+01	0.15861E+00	

0.44200E+01 0.82198E-01
 0.51050E+01 0.38378E-01
 0.57900E+01 0.16071E-01
 0.64750E+01 0.60134E-02
 0.71600E+01 0.20057E-02
 0.78450E+01 0.59645E-03
 0.85300E+01 0.15910E-03
 0.92150E+01 0.39032E-04
 0.99000E+01 0.95661E-05
 0.10585E+02 0.28913E-05
 0.11270E+02 0.14089E-05
 0.11955E+02 0.10758E-05
 0.12640E+02 0.10068E-05
 0.13325E+02 0.99700E-06
 0.14010E+02 0.99775E-06
 0.14695E+02 0.99903E-06
 0.15380E+02 0.99966E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.87684E-01
 0.51050E+01 0.42130E-01
 0.57900E+01 0.18258E-01
 0.64750E+01 0.71125E-02
 0.71600E+01 0.24847E-02
 0.78450E+01 0.77806E-03
 0.85300E+01 0.21930E-03
 0.92150E+01 0.56623E-04
 0.99000E+01 0.14192E-04
 0.10585E+02 0.40423E-05
 0.11270E+02 0.16994E-05
 0.11955E+02 0.11507E-05
 0.12640E+02 0.10248E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.99802E-06
 0.14695E+02 0.99887E-06
 0.15380E+02 0.99955E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.99443E+00
	0.3050E+00	0.93120E+00	
	0.6100E+00	0.86129E+00	
	0.9150E+00	0.78941E+00	
	0.1220E+01	0.71530E+00	
	0.1525E+01	0.63944E+00	
	0.1830E+01	0.56293E+00	
	0.2135E+01	0.48732E+00	
	0.2440E+01	0.41430E+00	
	0.2745E+01	0.34551E+00	
	0.3050E+01	0.28249E+00	
	0.3735E+01	0.16521E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.10031E+01
	0.3050E+00	0.92990E+00	
	0.6100E+00	0.85903E+00	
	0.9150E+00	0.78882E+00	
	0.1220E+01	0.71307E+00	
	0.1525E+01	0.63819E+00	
	0.1830E+01	0.56310E+00	
	0.2135E+01	0.48508E+00	
	0.2440E+01	0.41761E+00	
	0.2745E+01	0.35013E+00	
	0.3050E+01	0.28807E+00	
	0.3735E+01	0.17149E+00	

0.44200E+01 0.93041E-01
 0.51050E+01 0.45899E-01
 0.57900E+01 0.20524E-01
 0.64750E+01 0.82938E-02
 0.71600E+01 0.30218E-02
 0.78450E+01 0.99189E-03
 0.85300E+01 0.29413E-03
 0.92150E+01 0.79788E-04
 0.99000E+01 0.20635E-04
 0.10585E+02 0.57156E-05
 0.11270E+02 0.21323E-05
 0.11955E+02 0.12662E-05
 0.12640E+02 0.10548E-05
 0.13325E+02 0.10073E-05
 0.14010E+02 0.99913E-06
 0.14695E+02 0.99807E-06
 0.15380E+02 0.99945E-06
 0.16065E+02 0.99980E-06
 0.16750E+02 0.99993E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.98263E-01
 0.51050E+01 0.49672E-01
 0.57900E+01 0.22859E-01
 0.64750E+01 0.95522E-02
 0.71600E+01 0.36166E-02
 0.78450E+01 0.12394E-02
 0.85300E+01 0.38512E-03
 0.92150E+01 0.10950E-03
 0.99000E+01 0.29353E-04
 0.10585E+02 0.80817E-05
 0.11270E+02 0.27607E-05
 0.11955E+02 0.14379E-05
 0.12640E+02 0.11019E-05
 0.13325E+02 0.10192E-05
 0.14010E+02 0.10016E-05
 0.14695E+02 0.99919E-06
 0.15380E+02 0.99940E-06
 0.16065E+02 0.99974E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.1000E+01	0.10119E+01
	0.30500E+00	0.92892E+00	
	0.61000E+00	0.85734E+00	
	0.91500E+00	0.78489E+00	
	0.12200E+01	0.71146E+00	
	0.15250E+01	0.63740E+00	
	0.18300E+01	0.56349E+00	
	0.21350E+01	0.49085E+00	
	0.24400E+01	0.42679E+00	
	0.27450E+01	0.35446E+00	
	0.30500E+01	0.29330E+00	
	0.37350E+01	0.17748E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.1000E+01	0.10208E+01
	0.30500E+00	0.92819E+00	
	0.61000E+00	0.85610E+00	
	0.91500E+00	0.78349E+00	
	0.12200E+01	0.71034E+00	
	0.15250E+01	0.63699E+00	
	0.18300E+01	0.56411E+00	
	0.21350E+01	0.49266E+00	
	0.24400E+01	0.42376E+00	
	0.27450E+01	0.35855E+00	
	0.30500E+01	0.29821E+00	
	0.37350E+01	0.18319E+00	

0.44200E+01 0.10335E+00
 0.51050E+01 0.53434E-01
 0.57900E+01 0.25252E-01
 0.64750E+01 0.10882E-01
 0.71600E+01 0.42679E-02
 0.78450E+01 0.15216E-02
 0.85300E+01 0.49369E-03
 0.92150E+01 0.14674E-03
 0.99000E+01 0.40842E-04
 0.10585E+02 0.11342E-04
 0.11270E+02 0.36524E-05
 0.11955E+02 0.16863E-05
 0.12640E+02 0.11277E-05
 0.13325E+02 0.10385E-05
 0.14010E+02 0.10063E-05
 0.14695E+02 0.10001E-05
 0.15380E+02 0.99947E-06
 0.16065E+02 0.99970E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10830E+00
 0.51050E+01 0.57177E-01
 0.57900E+01 0.27694E-01
 0.64750E+01 0.12279E-01
 0.71600E+01 0.49746E-02
 0.78450E+01 0.18394E-02
 0.85300E+01 0.62111E-03
 0.92150E+01 0.19246E-03
 0.99000E+01 0.55633E-04
 0.10585E+02 0.15728E-04
 0.11270E+02 0.48905E-05
 0.11955E+02 0.20377E-05
 0.12640E+02 0.12753E-05
 0.13325E+02 0.10681E-05
 0.14010E+02 0.10142E-05
 0.14695E+02 0.10018E-05
 0.15380E+02 0.99975E-06
 0.16065E+02 0.99970E-06
 0.16750E+02 0.99985E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.1000E+01	0.10297E+01
	0.30500E+00	0.92765E+00	
	0.61000E+00	0.85519E+00	
	0.91500E+00	0.78251E+00	
	0.12200E+01	0.70964E+00	
	0.15250E+01	0.63691E+00	
	0.18300E+01	0.56452E+00	
	0.21350E+01	0.49452E+00	
	0.24400E+01	0.42670E+00	
	0.27450E+01	0.36246E+00	
	0.30500E+01	0.30292E+00	
	0.37350E+01	0.18865E+00	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.10388E+01
	0.30500E+00	0.92728E+00	
	0.61000E+00	0.85457E+00	
	0.91500E+00	0.78188E+00	
	0.12200E+01	0.70929E+00	
	0.15250E+01	0.63711E+00	
	0.18300E+01	0.56591E+00	
	0.21350E+01	0.49644E+00	
	0.24400E+01	0.42957E+00	
	0.27450E+01	0.36222E+00	
	0.30500E+01	0.30739E+00	
	0.37350E+01	0.19388E+00	

0.44200E+01 0.11311E+00
 0.51050E+01 0.60891E-01
 0.57900E+01 0.30174E-01
 0.64750E+01 0.13736E-01
 0.71600E+01 0.57347E-02
 0.78450E+01 0.21931E-02
 0.85300E+01 0.76849E-03
 0.92150E+01 0.24762E-03
 0.99000E+01 0.74282E-04
 0.10585E+02 0.21500E-04
 0.11270E+02 0.65749E-05
 0.11955E+02 0.25252E-05
 0.12640E+02 0.14205E-05
 0.13325E+02 0.11116E-05
 0.14010E+02 0.10265E-05
 0.14695E+02 0.10050E-05
 0.15380E+02 0.10004E-05
 0.16065E+02 0.99978E-06
 0.16750E+02 0.99984E-06
 0.17435E+02 0.99993E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11779E+00
 0.51050E+01 0.64571E-01
 0.57900E+01 0.32686E-01
 0.64750E+01 0.15249E-01
 0.71600E+01 0.65463E-02
 0.78450E+01 0.25830E-02
 0.85300E+01 0.93679E-03
 0.92150E+01 0.31311E-03
 0.99000E+01 0.97358E-04
 0.10585E+02 0.28940E-04
 0.11270E+02 0.88225E-05
 0.11955E+02 0.31899E-05
 0.12640E+02 0.18216E-05
 0.13325E+02 0.11736E-05
 0.14010E+02 0.10451E-05
 0.14695E+02 0.10101E-05
 0.15380E+02 0.10016E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99986E-06
 0.17435E+02 0.99992E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.10478E+01
	0.30500E+00	0.92702E+00	
	0.61000E+00	0.85417E+00	
	0.91500E+00	0.78152E+00	
	0.12200E+01	0.70921E+00	
	0.15250E+01	0.63755E+00	
	0.18300E+01	0.56705E+00	
	0.21350E+01	0.49841E+00	
	0.24400E+01	0.43240E+00	
	0.27450E+01	0.36985E+00	
	0.30500E+01	0.31168E+00	
	0.37350E+01	0.19891E+00	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.10570E+01
	0.30500E+00	0.92687E+00	
	0.61000E+00	0.85396E+00	
	0.91500E+00	0.78140E+00	
	0.12200E+01	0.70937E+00	
	0.15250E+01	0.63819E+00	
	0.18300E+01	0.56834E+00	
	0.21350E+01	0.50044E+00	
	0.24400E+01	0.43520E+00	
	0.27450E+01	0.37337E+00	
	0.30500E+01	0.31582E+00	
	0.37350E+01	0.20376E+00	

0.44200E+01 0.12235E+00
 0.51050E+01 0.68212E-01
 0.57900E+01 0.35221E-01
 0.64750E+01 0.16812E-01
 0.71600E+01 0.74071E-02
 0.78450E+01 0.30090E-02
 0.85300E+01 0.11268E-02
 0.92150E+01 0.38977E-03
 0.99000E+01 0.12544E-03
 0.10585E+02 0.38355E-04
 0.11270E+02 0.11767E-04
 0.11955E+02 0.40813E-05
 0.12640E+02 0.18952E-05
 0.13325E+02 0.12598E-05
 0.14010E+02 0.10719E-05
 0.14695E+02 0.10180E-05
 0.15380E+02 0.10037E-05
 0.16065E+02 0.10005E-05
 0.16750E+02 0.99993E-06
 0.17435E+02 0.99992E-06
 0.18120E+02 0.99996E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12680E+00
 0.51050E+01 0.71811E-01
 0.57900E+01 0.37774E-01
 0.64750E+01 0.18420E-01
 0.71600E+01 0.83149E-02
 0.78450E+01 0.34707E-02
 0.85300E+01 0.13392E-02
 0.92150E+01 0.47838E-03
 0.99000E+01 0.15909E-03
 0.10585E+02 0.50068E-04
 0.11270E+02 0.15558E-04
 0.11955E+02 0.52584E-05
 0.12640E+02 0.22618E-05
 0.13325E+02 0.13773E-05
 0.14010E+02 0.11097E-05
 0.14695E+02 0.10296E-05
 0.15380E+02 0.10070E-05
 0.16065E+02 0.10013E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99996E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.10661E+01
	0.30500E+00	0.92680E+00	
	0.61000E+00	0.85389E+00	
	0.91500E+00	0.78146E+00	
	0.12200E+01	0.70973E+00	
	0.15250E+01	0.63900E+00	
	0.18300E+01	0.56973E+00	
	0.21350E+01	0.50251E+00	
	0.24400E+01	0.43798E+00	
	0.27450E+01	0.37682E+00	
	0.30500E+01	0.31982E+00	
	0.37350E+01	0.20844E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10980E+01
	0.30500E+00	0.93195E+00	
	0.61000E+00	0.86107E+00	
	0.91500E+00	0.78938E+00	
	0.12200E+01	0.71805E+00	
	0.15250E+01	0.64777E+00	
	0.18300E+01	0.57903E+00	
	0.21350E+01	0.51235E+00	
	0.24400E+01	0.44833E+00	
	0.27450E+01	0.38760E+00	
	0.30500E+01	0.33090E+00	
	0.37350E+01	0.21944E+00	

0.44200E+01 0.13609E+00
 0.51050E+01 0.78854E-01
 0.57900E+01 0.42585E-01
 0.64750E+01 0.21397E-01
 0.71600E+01 0.99871E-02
 0.78450E+01 0.43260E-02
 0.85300E+01 0.17301E-02
 0.92150E+01 0.64829E-03
 0.99000E+01 0.22531E-03
 0.10585E+02 0.73770E-04
 0.11270E+02 0.23424E-04
 0.11955E+02 0.77298E-05
 0.12640E+02 0.30248E-05
 0.13325E+02 0.16179E-05
 0.14010E+02 0.11873E-05
 0.14695E+02 0.10543E-05
 0.15380E+02 0.10144E-05
 0.16065E+02 0.10033E-05
 0.16750E+02 0.10006E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99996E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.11303E+01
	0.30500E+00	0.93883E+00	
	0.61000E+00	0.87253E+00	
	0.91500E+00	0.80352E+00	
	0.12200E+01	0.73365E+00	
	0.15250E+01	0.66419E+00	
	0.18300E+01	0.59601E+00	
	0.21350E+01	0.52977E+00	
	0.24400E+01	0.46609E+00	
	0.27450E+01	0.40557E+00	
	0.30500E+01	0.34888E+00	
	0.37350E+01	0.23653E+00	

0.44200E+01 0.16997E+00
 0.51050E+01 0.10469E+00
 0.57900E+01 0.60581E-01
 0.64750E+01 0.32890E-01
 0.71600E+01 0.16730E-01
 0.78450E+01 0.79649E-02
 0.85300E+01 0.35461E-02
 0.92150E+01 0.14762E-02
 0.99000E+01 0.57506E-03
 0.10585E+02 0.21036E-03
 0.11270E+02 0.72929E-04
 0.11955E+02 0.24530E-04
 0.12640E+02 0.84635E-05
 0.13325E+02 0.33480E-05
 0.14010E+02 0.17435E-05
 0.14695E+02 0.12355E-05
 0.15380E+02 0.10729E-05
 0.16065E+02 0.10215E-05
 0.16750E+02 0.10058E-05
 0.17435E+02 0.10014E-05
 0.18120E+02 0.10002E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.12509E+01
	0.30500E+00	0.95322E+00	
	0.61000E+00	0.89978E+00	
	0.91500E+00	0.84100E+00	
	0.12200E+01	0.77866E+00	
	0.15250E+01	0.71437E+00	
	0.18300E+01	0.64950E+00	
	0.21350E+01	0.58522E+00	
	0.24400E+01	0.52249E+00	
	0.27450E+01	0.46214E+00	
	0.30500E+01	0.40494E+00	
	0.37350E+01	0.28892E+00	

0.44200E+01 0.15041E+00
 0.51050E+01 0.89659E-01
 0.57900E+01 0.50013E-01
 0.64750E+01 0.26061E-01
 0.71600E+01 0.12658E-01
 0.78450E+01 0.57376E-02
 0.85300E+01 0.24199E-02
 0.92150E+01 0.95061E-03
 0.99000E+01 0.34854E-03
 0.10585E+02 0.12005E-03
 0.11270E+02 0.39529E-04
 0.11955E+02 0.12989E-04
 0.12640E+02 0.46788E-05
 0.13325E+02 0.21377E-05
 0.14010E+02 0.13544E-05
 0.14695E+02 0.11085E-05
 0.15380E+02 0.10315E-05
 0.16065E+02 0.10084E-05
 0.16750E+02 0.10019E-05
 0.17435E+02 0.10003E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.11838E+01
	0.30500E+00	0.94616E+00	
	0.61000E+00	0.88593E+00	
	0.91500E+00	0.82142E+00	
	0.12200E+01	0.75460E+00	
	0.15250E+01	0.68704E+00	
	0.18300E+01	0.61999E+00	
	0.21350E+01	0.55439E+00	
	0.24400E+01	0.49101E+00	
	0.27450E+01	0.43053E+00	
	0.30500E+01	0.37363E+00	
	0.37350E+01	0.25967E+00	

0.44200E+01 0.19508E+00
 0.51050E+01 0.12448E+00
 0.57900E+01 0.74937E-01
 0.64750E+01 0.42509E-01
 0.71600E+01 0.22694E-01
 0.78450E+01 0.11391E-01
 0.85300E+01 0.53709E-02
 0.92150E+01 0.23778E-02
 0.99000E+01 0.98856E-03
 0.10585E+02 0.38653E-03
 0.11270E+02 0.14277E-03
 0.11955E+02 0.50387E-04
 0.12640E+02 0.17475E-04
 0.13325E+02 0.63528E-05
 0.14010E+02 0.27264E-05
 0.14695E+02 0.15584E-05
 0.15380E+02 0.11799E-05
 0.16065E+02 0.10566E-05
 0.16750E+02 0.10170E-05
 0.17435E+02 0.10048E-05
 0.18120E+02 0.10012E-05
 0.18805E+02 0.10003E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.13312E+01
	0.30500E+00	0.96002E+00	
	0.61000E+00	0.91324E+00	
	0.91500E+00	0.86077E+00	
	0.12200E+01	0.80392E+00	
	0.15250E+01	0.74409E+00	
	0.18300E+01	0.68258E+00	
	0.21350E+01	0.62062E+00	
	0.24400E+01	0.55931E+00	
	0.27450E+01	0.49959E+00	
	0.30500E+01	0.44235E+00	
	0.37350E+01	0.32430E+00	

0.44200E+01 0.22604E+00
 0.51050E+01 0.14957E+00
 0.57900E+01 0.93799E-01
 0.64750E+01 0.55668E-01
 0.71600E+01 0.31231E-01
 0.78450E+01 0.16547E-01
 0.85300E+01 0.82731E-02
 0.92150E+01 0.39008E-02
 0.99000E+01 0.17341E-02
 0.10585E+02 0.72713E-03
 0.11270E+02 0.28812E-03
 0.11955E+02 0.10843E-03
 0.12640E+02 0.39248E-04
 0.13325E+02 0.14007E-04
 0.14010E+02 0.53681E-05
 0.14695E+02 0.24447E-05
 0.15380E+02 0.14772E-05
 0.16065E+02 0.11566E-05
 0.16750E+02 0.10503E-05
 0.17435E+02 0.10155E-05
 0.18120E+02 0.10045E-05
 0.18805E+02 0.10012E-05
 0.19490E+02 0.10003E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.26306E+00
 0.51050E+01 0.18050E+00
 0.57900E+01 0.11789E+00
 0.64750E+01 0.73199E-01
 0.71600E+01 0.43150E-01
 0.78450E+01 0.24128E-01
 0.85300E+01 0.12787E-01
 0.92150E+01 0.64190E-02
 0.99000E+01 0.30507E-02
 0.10585E+02 0.13726E-02
 0.11270E+02 0.58498E-03
 0.11955E+02 0.23663E-03
 0.12640E+02 0.91323E-04
 0.13325E+02 0.34056E-04
 0.14010E+02 0.12651E-04
 0.14695E+02 0.50044E-05
 0.15380E+02 0.23599E-05
 0.16065E+02 0.14595E-05
 0.16750E+02 0.11539E-05
 0.17435E+02 0.10506E-05
 0.18120E+02 0.10161E-05
 0.18805E+02 0.10049E-05
 0.19490E+02 0.10014E-05
 0.20175E+02 0.10004E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD J0

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.14243E+01
	0.30500E+00	0.96611E+00	
	0.61000E+00	0.92580E+00	
	0.91500E+00	0.87976E+00	
	0.12200E+01	0.82893E+00	
	0.15250E+01	0.77439E+00	
	0.18300E+01	0.71727E+00	
	0.21350E+01	0.65871E+00	
	0.24400E+01	0.59978E+00	
	0.27450E+01	0.54152E+00	
	0.30500E+01	0.48487E+00	
	0.37350E+01	0.36555E+00	

ANALYSIS FOR TIME PERIOD J1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.15301E+01
	0.30500E+00	0.97153E+00	
	0.61000E+00	0.93721E+00	
	0.91500E+00	0.89740E+00	
	0.12200E+01	0.85271E+00	
	0.15250E+01	0.80391E+00	
	0.18300E+01	0.75190E+00	
	0.21350E+01	0.69763E+00	
	0.24400E+01	0.64207E+00	
	0.27450E+01	0.58623E+00	
	0.30500E+01	0.53104E+00	
	0.37350E+01	0.41196E+00	

0.44200E+01 0.30605E+00
 0.51050E+01 0.21761E+00
 0.57900E+01 0.14789E+00
 0.64750E+01 0.95955E-01
 0.71600E+01 0.59362E-01
 0.78450E+01 0.34984E-01
 0.85300E+01 0.19624E-01
 0.92150E+01 0.10470E-01
 0.99000E+01 0.53110E-02
 0.10585E+02 0.25603E-02
 0.11270E+02 0.11730E-02
 0.11955E+02 0.51111E-03
 0.12640E+02 0.21220E-03
 0.13325E+02 0.84358E-04
 0.14010E+02 0.32495E-04
 0.14695E+02 0.12473E-04
 0.15380E+02 0.50709E-05
 0.16065E+02 0.24226E-05
 0.16750E+02 0.14929E-05
 0.17435E+02 0.11691E-05
 0.18120E+02 0.10570E-05
 0.18805E+02 0.10187E-05
 0.19490E+02 0.10059E-05
 0.20175E+02 0.10018E-05
 0.20860E+02 0.10005E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.35445E+00
 0.51050E+01 0.26093E+00
 0.57900E+01 0.18428E+00
 0.64750E+01 0.12472E+00
 0.71600E+01 0.80813E-01
 0.78450E+01 0.50083E-01
 0.85300E+01 0.29663E-01
 0.92150E+01 0.16779E-01
 0.99000E+01 0.90593E-02
 0.10585E+02 0.46667E-02
 0.11270E+02 0.22930E-02
 0.11955E+02 0.10747E-02
 0.12640E+02 0.48079E-03
 0.13325E+02 0.20565E-03
 0.14010E+02 0.84471E-04
 0.14695E+02 0.33663E-04
 0.15380E+02 0.13331E-04
 0.16065E+02 0.55289E-05
 0.16750E+02 0.26330E-05
 0.17435E+02 0.15819E-05
 0.18120E+02 0.12050E-05
 0.18805E+02 0.10710E-05
 0.19490E+02 0.10241E-05
 0.20175E+02 0.10079E-05
 0.20860E+02 0.10025E-05
 0.21545E+02 0.10009E-05
 0.22230E+02 0.10002E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD J2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.16485E+01
	0.30500E+00	0.97628E+00	
	0.61000E+00	0.94735E+00	
	0.91500E+00	0.91336E+00	
	0.12200E+01	0.87464E+00	
	0.15250E+01	0.83170E+00	
	0.18300E+01	0.78518E+00	
	0.21350E+01	0.73583E+00	
	0.24400E+01	0.68446E+00	
	0.27450E+01	0.63194E+00	
	0.30500E+01	0.57918E+00	
	0.37350E+01	0.46230E+00	

ANALYSIS FOR TIME PERIOD J3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.17793E+01
	0.30500E+00	0.98039E+00	
	0.61000E+00	0.95623E+00	
	0.91500E+00	0.92753E+00	
	0.12200E+01	0.89441E+00	
	0.15250E+01	0.85718E+00	
	0.18300E+01	0.81624E+00	
	0.21350E+01	0.77214E+00	
	0.24400E+01	0.72551E+00	
	0.27450E+01	0.67706E+00	
	0.30500E+01	0.62758E+00	
	0.37350E+01	0.51504E+00	

0.44200E+01 0.40721E+00
 0.51050E+01 0.31005E+00
 0.57900E+01 0.22719E+00
 0.64750E+01 0.16008E+00
 0.71600E+01 0.10838E+00
 0.78450E+01 0.7044E-01
 0.85300E+01 0.43925E-01
 0.92150E+01 0.26257E-01
 0.99000E+01 0.15039E-01
 0.10585E+02 0.82490E-02
 0.11270E+02 0.43315E-02
 0.11955E+02 0.21769E-02
 0.12640E+02 0.10472E-02
 0.13325E+02 0.48243E-03
 0.14010E+02 0.21315E-03
 0.14695E+02 0.90640E-04
 0.15380E+02 0.37410E-04
 0.16065E+02 0.15279E-04
 0.16750E+02 0.64409E-05
 0.17435E+02 0.30300E-05
 0.18120E+02 0.17462E-05
 0.18805E+02 0.12707E-05
 0.19490E+02 0.10967E-05
 0.20175E+02 0.10338E-05
 0.20860E+02 0.10115E-05
 0.21545E+02 0.10038E-05
 0.22230E+02 0.10012E-05
 0.22915E+02 0.10004E-05
 0.23600E+02 0.10001E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.46288E+00
 0.51050E+01 0.36400E+00
 0.57900E+01 0.27628E+00
 0.64750E+01 0.20227E+00
 0.71600E+01 0.14273E+00
 0.78450E+01 0.97023E-01
 0.85300E+01 0.63487E-01
 0.92150E+01 0.39967E-01
 0.99000E+01 0.24133E-01
 0.10585E+02 0.14074E-01
 0.11270E+02 0.78652E-02
 0.11955E+02 0.42212E-02
 0.12640E+02 0.21753E-02
 0.13325E+02 0.10764E-02
 0.14010E+02 0.51161E-03
 0.14695E+02 0.23386E-03
 0.15380E+02 0.10309E-03
 0.16065E+02 0.44109E-04
 0.16750E+02 0.18589E-04
 0.17435E+02 0.79679E-05
 0.18120E+02 0.38968E-05
 0.18805E+02 0.20256E-05
 0.19490E+02 0.13844E-05
 0.20175E+02 0.11418E-05
 0.20860E+02 0.10514E-05
 0.21545E+02 0.10182E-05
 0.22230E+02 0.10063E-05
 0.22915E+02 0.10021E-05
 0.23600E+02 0.10007E-05
 0.24285E+02 0.10002E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.19225E+01
	0.30500E+00	0.98390E+00	
	0.61000E+00	0.96390E+00	
	0.91500E+00	0.93990E+00	
	0.12200E+01	0.91390E+00	
	0.15250E+01	0.88003E+00	
	0.18300E+01	0.84454E+00	
	0.21350E+01	0.80576E+00	
	0.24400E+01	0.76415E+00	
	0.27450E+01	0.72027E+00	
	0.30500E+01	0.67474E+00	
	0.37350E+01	0.56851E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.20783E+01
	0.30500E+00	0.98687E+00	
	0.61000E+00	0.97044E+00	
	0.91500E+00	0.95056E+00	
	0.12200E+01	0.92713E+00	
	0.15250E+01	0.90018E+00	
	0.18300E+01	0.86980E+00	
	0.21350E+01	0.83620E+00	
	0.24400E+01	0.79967E+00	
	0.27450E+01	0.76059E+00	
	0.30500E+01	0.71946E+00	
	0.37350E+01	0.62114E+00	

0.44200E+01 0.51984E+00
 0.51050E+01 0.42143E+00
 0.57900E+01 0.33069E+00
 0.64750E+01 0.25100E+00
 0.71600E+01 0.18416E+00
 0.78450E+01 0.13055E+00
 0.85300E+01 0.89364E-01
 0.92150E+01 0.59037E-01
 0.99000E+01 0.37622E-01
 0.10585E+02 0.23117E-01
 0.11270E+02 0.13690E-01
 0.11955E+02 0.78111E-02
 0.12640E+02 0.42926E-02
 0.13325E+02 0.22718E-02
 0.14010E+02 0.11579E-02
 0.14695E+02 0.56844E-03
 0.15380E+02 0.26906E-03
 0.16065E+02 0.12304E-03
 0.16750E+02 0.54615E-04
 0.17435E+02 0.23782E-04
 0.18120E+02 0.10397E-04
 0.18805E+02 0.47805E-05
 0.19490E+02 0.24912E-05
 0.20175E+02 0.15978E-05
 0.20860E+02 0.12211E-05
 0.21545E+02 0.10830E-05
 0.22230E+02 0.10305E-05
 0.22915E+02 0.10109E-05
 0.23600E+02 0.10038E-05
 0.24285E+02 0.10013E-05
 0.24970E+02 0.10004E-05
 0.25655E+02 0.10001E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.57644E+00
 0.51050E+01 0.48069E+00
 0.57900E+01 0.38909E+00
 0.64750E+01 0.30548E+00
 0.71600E+01 0.23246E+00
 0.78450E+01 0.17138E+00
 0.85300E+01 0.12234E+00
 0.92150E+01 0.84526E-01
 0.99000E+01 0.56499E-01
 0.10585E+02 0.36520E-01
 0.11270E+02 0.22819E-01
 0.11955E+02 0.13779E-01
 0.12640E+02 0.80372E-02
 0.13325E+02 0.45279E-02
 0.14010E+02 0.24632E-02
 0.14695E+02 0.12939E-02
 0.15380E+02 0.65645E-03
 0.16065E+02 0.32184E-03
 0.16750E+02 0.15271E-03
 0.17435E+02 0.70355E-04
 0.18120E+02 0.31704E-04
 0.18805E+02 0.14197E-04
 0.19490E+02 0.65274E-05
 0.20175E+02 0.32656E-05
 0.20860E+02 0.19122E-05
 0.21545E+02 0.13614E-05
 0.22230E+02 0.11408E-05
 0.22915E+02 0.10538E-05
 0.23600E+02 0.10201E-05
 0.24285E+02 0.10073E-05
 0.24970E+02 0.10026E-05
 0.25655E+02 0.10009E-05
 0.26340E+02 0.10003E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.22466E+01
	0.30500E+00	0.98936E+00	
	0.61000E+00	0.97597E+00	
	0.91500E+00	0.95964E+00	
	0.12200E+01	0.94023E+00	
	0.15250E+01	0.91768E+00	
	0.18300E+01	0.89200E+00	
	0.21350E+01	0.86326E+00	
	0.24400E+01	0.83165E+00	
	0.27450E+01	0.79740E+00	
	0.30500E+01	0.76087E+00	
	0.37350E+01	0.67156E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.00000E+00	0.10000E+01	0.24275E+01
	0.30500E+00	0.99144E+00	
	0.61000E+00	0.98060E+00	
	0.91500E+00	0.96729E+00	
	0.12200E+01	0.95135E+00	
	0.15250E+01	0.93287E+00	
	0.18300E+01	0.91120E+00	
	0.21350E+01	0.88694E+00	
	0.24400E+01	0.85955E+00	
	0.27450E+01	0.83037E+00	
	0.30500E+01	0.79844E+00	
	0.37350E+01	0.71873E+00	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1500E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RJU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12928E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53853E-24	
	0.37350E+01	0.76564E-31	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01	0.10473E-35
0.51050E+01	0.12729E-41
0.57900E+01	0.42328E-48
0.64750E+01	0.00000E+00
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

0.44200E+01	0.18488E-19
0.51050E+01	0.76184E-18
0.57900E+01	0.40654E-08
0.64750E+01	0.48269E-06
0.71600E+01	0.99476E-06
0.78450E+01	0.10000E-05
0.85300E+01	0.10000E-05
0.92150E+01	0.10000E-05
0.99000E+01	0.10000E-05
0.10585E+02	0.10000E-05
0.11270E+02	0.10000E-05
0.11955E+02	0.10000E-05
0.12640E+02	0.10000E-05
0.13325E+02	0.10000E-05
0.14010E+02	0.10000E-05
0.14695E+02	0.10000E-05
0.15380E+02	0.10000E-05
0.16065E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17435E+02	0.10000E-05
0.18120E+02	0.10000E-05
0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25170E-14	
	0.30500E+01	0.16902E-15	
	0.37350E+01	0.13139E-18	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.00000E+00	0.10000E+01	0.15722E+00
	0.30500E+00	0.55442E+00	
	0.61000E+00	0.22053E+00	
	0.91500E+00	0.61633E-01	
	0.12200E+01	0.11926E-01	
	0.15250E+01	0.15779E-02	
	0.18300E+01	0.14151E-03	
	0.21350E+01	0.85531E-05	
	0.24400E+01	0.34683E-06	
	0.27450E+01	0.93991E-08	
	0.30500E+01	0.16237E-09	
	0.37350E+01	0.35637E-14	

0.44200E+01 0.12073E-12
 0.51050E+01 0.19516E-09
 0.57900E+01 0.25549E-07
 0.64750E+01 0.36471E-06
 0.71600E+01 0.86623E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.26426E-10
 0.51050E+01 0.2232E-08
 0.57900E+01 0.48772E-07
 0.64750E+01 0.31480E-06
 0.71600E+01 0.73856E-06
 0.78450E+01 0.95790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.21292E+00
	0.30500E+00	0.67567E+00	
	0.61000E+00	0.37700E+00	
	0.91500E+00	0.17147E+00	
	0.12200E+01	0.62969E-01	
	0.15250E+01	0.18524E-01	
	0.18300E+01	0.43396E-02	
	0.21350E+01	0.80628E-03	
	0.24400E+01	0.11845E-03	
	0.27450E+01	0.13722E-04	
	0.30500E+01	0.12011E-05	
	0.37350E+01	0.15958E-08	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.30500E+00	0.75689E+00	
	0.61000E+00	0.50676E+00	
	0.91500E+00	0.29752E+00	
	0.12200E+01	0.15215E+00	
	0.15250E+01	0.67396E-01	
	0.18300E+01	0.25747E-01	
	0.21350E+01	0.84554E-02	
	0.24400E+01	0.23811E-02	
	0.27450E+01	0.5732E-03	
	0.30500E+01	0.1136E-03	
	0.37350E+01	0.13997E-05	

0.44200E+01 0.72453E-08
 0.51050E+01 0.69922E-08
 0.57900E+01 0.66025E-07
 0.64750E+01 0.28521E-06
 0.71600E+01 0.63576E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99861E-06
 0.99000E+01 0.99994E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29135E-02
 0.51050E+01 0.41666E-03
 0.57900E+01 0.44393E-04
 0.64750E+01 0.37198E-05
 0.71600E+01 0.62479E-06
 0.78450E+01 0.64267E-06
 0.85300E+01 0.81097E-06
 0.92150E+01 0.92165E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.30500E+00	0.90783E+00	
	0.61000E+00	0.79697E+00	
	0.91500E+00	0.67430E+00	
	0.12200E+01	0.54829E+00	
	0.15250E+01	0.42743E+00	
	0.18300E+01	0.31881E+00	
	0.21350E+01	0.22709E+00	
	0.24400E+01	0.15411E+00	
	0.27450E+01	0.99143E-01	
	0.30500E+01	0.59536E-01	
	0.37350E+01	0.15207E-01	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.77844E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88142E+00	
	0.91500E+00	0.80474E+00	
	0.12200E+01	0.71951E+00	
	0.15250E+01	0.62900E+00	
	0.18300E+01	0.53682E+00	
	0.21350E+01	0.44652E+00	
	0.24400E+01	0.36118E+00	
	0.27450E+01	0.28305E+00	
	0.30500E+01	0.21334E+00	
	0.37350E+01	0.10029E+00	

0.44200E+01 0.39919E-01
 0.51050E+01 0.13393E-01
 0.57900E+01 0.37788E-02
 0.64750E+01 0.89563E-03
 0.71600E+01 0.17838E-03
 0.78450E+01 0.30191E-04
 0.85300E+01 0.48210E-05
 0.92150E+01 0.12875E-05
 0.99000E+01 0.94105E-06
 0.10585E+02 0.95442E-06
 0.11270E+02 0.98062E-06
 0.11955E+02 0.99335E-06
 0.12640E+02 0.99807E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.52747E-01
 0.51050E+01 0.19473E-01
 0.57900E+01 0.61282E-02
 0.64750E+01 0.16412E-02
 0.71600E+01 0.37398E-03
 0.78450E+01 0.72914E-04
 0.85300E+01 0.12732E-04
 0.92150E+01 0.25840E-05
 0.99000E+01 0.11213E-05
 0.10585E+02 0.96540E-06
 0.11270E+02 0.97479E-06
 0.11955E+02 0.98960E-06
 0.12640E+02 0.99653E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.89076E+00	
	0.91500E+00	0.81998E+00	
	0.12200E+01	0.74080E+00	
	0.15250E+01	0.65578E+00	
	0.18300E+01	0.56737E+00	
	0.21350E+01	0.48046E+00	
	0.24400E+01	0.39606E+00	
	0.27450E+01	0.31697E+00	
	0.30500E+01	0.24456E+00	
	0.37350E+01	0.12233E+00	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.86564E+00
	0.30500E+00	0.95499E+00	
	0.61000E+00	0.89919E+00	
	0.91500E+00	0.83359E+00	
	0.12200E+01	0.75976E+00	
	0.15250E+01	0.67978E+00	
	0.18300E+01	0.59617E+00	
	0.21350E+01	0.51163E+00	
	0.24400E+01	0.42866E+00	
	0.27450E+01	0.34935E+00	
	0.30500E+01	0.27521E+00	
	0.37350E+01	0.14542E+00	

0.44200E+01 0.67070E-01
 0.51050E+01 0.26854E-01
 0.57900E+01 0.92833E-02
 0.64750E+01 0.27632E-02
 0.71600E+01 0.70755E-03
 0.78450E+01 0.15629E-03
 0.85300E+01 0.30425E-04
 0.92150E+01 0.58713E-05
 0.99000E+01 0.16896E-05
 0.10585E+02 0.10498E-05
 0.11270E+02 0.97950E-06
 0.11955E+02 0.98620E-06
 0.12640E+02 0.99446E-06
 0.13325E+02 0.99819E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99987E-06
 0.15380E+02 0.99997E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.77578E-01
 0.51050E+01 0.32663E-01
 0.57900E+01 0.11976E-01
 0.64750E+01 0.38108E-02
 0.71600E+01 0.10510E-02
 0.78450E+01 0.25159E-03
 0.85300E+01 0.53016E-04
 0.92150E+01 0.10568E-04
 0.99000E+01 0.26069E-05
 0.10585E+02 0.12241E-05
 0.11270E+02 0.10055E-05
 0.11955E+02 0.98679E-06
 0.12640E+02 0.99290E-06
 0.13325E+02 0.99736E-06
 0.14010E+02 0.99918E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.89466E+00
	0.30500E+00	0.95662E+00	
	0.61000E+00	0.90339E+00	
	0.91500E+00	0.84099E+00	
	0.12200E+01	0.77051E+00	
	0.15250E+01	0.69381E+00	
	0.18300E+01	0.61308E+00	
	0.21350E+01	0.53071E+00	
	0.24400E+01	0.44901E+00	
	0.27450E+01	0.36989E+00	
	0.30500E+01	0.29478E+00	
	0.37350E+01	0.16124E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.00000E+00	0.10000E+01	0.90960E+00
	0.30500E+00	0.95639E+00	
	0.61000E+00	0.90409E+00	
	0.91500E+00	0.84317E+00	
	0.12200E+01	0.77445E+00	
	0.15250E+01	0.69951E+00	
	0.18300E+01	0.62039E+00	
	0.21350E+01	0.53933E+00	
	0.24400E+01	0.45847E+00	
	0.27450E+01	0.37954E+00	
	0.30500E+01	0.30370E+00	
	0.37350E+01	0.16926E+00	

0.44200E+01 0.83318E-01
 0.51050E+01 0.36049E-01
 0.57900E+01 0.13647E-01
 0.64750E+01 0.45053E-02
 0.71600E+01 0.12948E-02
 0.78450E+01 0.32432E-03
 0.85300E+01 0.71648E-04
 0.92150E+01 0.14792E-04
 0.99000E+01 0.35211E-05
 0.10585E+02 0.14276E-05
 0.11270E+02 0.10463E-05
 0.11955E+02 0.99189E-06
 0.12640E+02 0.99243E-06
 0.13325E+02 0.99674E-06
 0.14010E+02 0.99909E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.84022E-01
 0.51050E+01 0.35632E-01
 0.57900E+01 0.14004E-01
 0.64750E+01 0.46758E-02
 0.71600E+01 0.13616E-02
 0.78450E+01 0.34625E-03
 0.85300E+01 0.77871E-04
 0.92150E+01 0.16417E-04
 0.99000E+01 0.39520E-05
 0.10585E+02 0.15492E-05
 0.11270E+02 0.10781E-05
 0.11955E+02 0.99785E-06
 0.12640E+02 0.99284E-06
 0.13325E+02 0.99650E-06
 0.14010E+02 0.99875E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.91055E+00
	0.30500E+00	0.95392E+00	
	0.61000E+00	0.90141E+00	
	0.91500E+00	0.84060E+00	
	0.12200E+01	0.77217E+00	
	0.15250E+01	0.69764E+00	
	0.18300E+01	0.61899E+00	
	0.21350E+01	0.53836E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.37897E+00	
	0.30500E+01	0.30175E+00	
	0.37350E+01	0.16962E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91571E+00
	0.30500E+00	0.94856E+00	
	0.61000E+00	0.89354E+00	
	0.91500E+00	0.83266E+00	
	0.12200E+01	0.76543E+00	
	0.15250E+01	0.69268E+00	
	0.18300E+01	0.61599E+00	
	0.21350E+01	0.53718E+00	
	0.24400E+01	0.45791E+00	
	0.27450E+01	0.37965E+00	
	0.30500E+01	0.30415E+00	
	0.37350E+01	0.17660E+00	

0.44200E+01 0.90376E-01
 0.51050E+01 0.40943E-01
 0.57900E+01 0.16382E-01
 0.64750E+01 0.57720E-02
 0.71600E+01 0.17875E-02
 0.78450E+01 0.48683E-03
 0.85300E+01 0.11762E-03
 0.92150E+01 0.26180E-04
 0.99000E+01 0.61194E-05
 0.10585E+02 0.20253E-05
 0.11270E+02 0.11885E-05
 0.11955E+02 0.10213E-05
 0.12640E+02 0.99602E-06
 0.13325E+02 0.99626E-06
 0.14010E+02 0.99838E-06
 0.14695E+02 0.99945E-06
 0.15380E+02 0.99984E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.96419E-01
 0.51050E+01 0.45247E-01
 0.57900E+01 0.18867E-01
 0.64750E+01 0.69758E-02
 0.71600E+01 0.22830E-02
 0.78450E+01 0.66140E-03
 0.85300E+01 0.17061E-03
 0.92150E+01 0.40197E-04
 0.99000E+01 0.94464E-05
 0.10585E+02 0.27854E-05
 0.11270E+02 0.13687E-05
 0.11955E+02 0.10636E-05
 0.12640E+02 0.10043E-05
 0.13325E+02 0.99708E-06
 0.14010E+02 0.99814E-06
 0.14695E+02 0.99926E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.92134E+00
	0.30500E+00	0.94515E+00	
	0.61000E+00	0.88781E+00	
	0.91500E+00	0.82615E+00	
	0.12200E+01	0.75943E+00	
	0.15250E+01	0.68798E+00	
	0.18300E+01	0.61289E+00	
	0.21350E+01	0.53565E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.38106E+00	
	0.30500E+01	0.30727E+00	
	0.37350E+01	0.18264E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.10000E+01	0.92731E+00
	0.30500E+00	0.94263E+00	
	0.61000E+00	0.88341E+00	
	0.91500E+00	0.82087E+00	
	0.12200E+01	0.75426E+00	
	0.15250E+01	0.68368E+00	
	0.18300E+01	0.60989E+00	
	0.21350E+01	0.53412E+00	
	0.24400E+01	0.45784E+00	
	0.27450E+01	0.38268E+00	
	0.30500E+01	0.31048E+00	
	0.37350E+01	0.18820E+00	

0.44200E+01 0.10212E+00
 0.51050E+01 0.49512E-01
 0.57900E+01 0.21438E-01
 0.64750E+01 0.82798E-02
 0.71600E+01 0.28483E-02
 0.78450E+01 0.87256E-03
 0.85300E+01 0.23898E-03
 0.92150E+01 0.59558E-04
 0.99000E+01 0.14346E-04
 0.10585E+02 0.39546E-05
 0.11270E+02 0.16527E-05
 0.11955E+02 0.11342E-05
 0.12640E+02 0.10203E-05
 0.13325E+02 0.99985E-06
 0.14010E+02 0.99827E-06
 0.14695E+02 0.99911E-06
 0.15380E+02 0.99967E-06
 0.16065E+02 0.99909E-06
 0.16750E+02 0.99977E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10751E+00
 0.51050E+01 0.53707E-01
 0.57900E+01 0.24075E-01
 0.64750E+01 0.96753E-02
 0.71600E+01 0.34826E-02
 0.78450E+01 0.11224E-02
 0.85300E+01 0.32475E-03
 0.92150E+01 0.85416E-04
 0.99000E+01 0.21303E-04
 0.10585E+02 0.56939E-05
 0.11270E+02 0.20861E-05
 0.11955E+02 0.12458E-05
 0.12640E+02 0.10482E-05
 0.13325E+02 0.10058E-05
 0.14010E+02 0.99913E-06
 0.14695E+02 0.99907E-06
 0.15380E+02 0.99958E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93351E+00
	0.30500E+00	0.94067E+00	
	0.61000E+00	0.87990E+00	
	0.91500E+00	0.81652E+00	
	0.12200E+01	0.74985E+00	
	0.15250E+01	0.67987E+00	
	0.18300E+01	0.60716E+00	
	0.21350E+01	0.53274E+00	
	0.24400E+01	0.45796E+00	
	0.27450E+01	0.38434E+00	
	0.30500E+01	0.31364E+00	
	0.37350E+01	0.19341E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.93991E+00
	0.30500E+00	0.93908E+00	
	0.61000E+00	0.87704E+00	
	0.91500E+00	0.81291E+00	
	0.12200E+01	0.74610E+00	
	0.15250E+01	0.67657E+00	
	0.18300E+01	0.60476E+00	
	0.21350E+01	0.53156E+00	
	0.24400E+01	0.45818E+00	
	0.27450E+01	0.38604E+00	
	0.30500E+01	0.31669E+00	
	0.37350E+01	0.19833E+00	

0.44200E+01 0.11266E+00
 0.51050E+01 0.57819E-01
 0.57900E+01 0.26757E-01
 0.64750E+01 0.11153E-01
 0.71600E+01 0.41841E-02
 0.78450E+01 0.14123E-02
 0.85300E+01 0.42977E-03
 0.92150E+01 0.11896E-03
 0.99000E+01 0.30864E-04
 0.10585E+02 0.82022E-05
 0.11270E+02 0.27291E-05
 0.11955E+02 0.14157E-05
 0.12640E+02 0.10932E-05
 0.13325E+02 0.10168E-05
 0.14010E+02 0.10013E-05
 0.14695E+02 0.99930E-06
 0.15380E+02 0.99935E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11757E+00
 0.51050E+01 0.61844E-01
 0.57900E+01 0.29468E-01
 0.64750E+01 0.12703E-01
 0.71600E+01 0.49583E-02
 0.78450E+01 0.17434E-02
 0.85300E+01 0.55571E-03
 0.92150E+01 0.16136E-03
 0.99000E+01 0.43628E-04
 0.10585E+02 0.11717E-04
 0.11270E+02 0.36589E-05
 0.11955E+02 0.16666E-05
 0.12640E+02 0.11624E-05
 0.13325E+02 0.10350E-05
 0.14010E+02 0.10055E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.99977E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94647E+00
	0.30500E+00	0.93778E+00	
	0.61000E+00	0.87466E+00	
	0.91500E+00	0.80988E+00	
	0.12200E+01	0.74293E+00	
	0.15250E+01	0.67374E+00	
	0.18300E+01	0.60271E+00	
	0.21350E+01	0.53060E+00	
	0.24400E+01	0.45849E+00	
	0.27450E+01	0.38766E+00	
	0.30500E+01	0.31962E+00	
	0.37350E+01	0.20300E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.95316E+00
	0.30500E+00	0.93669E+00	
	0.61000E+00	0.87268E+00	
	0.91500E+00	0.80734E+00	
	0.12200E+01	0.74025E+00	
	0.15250E+01	0.67136E+00	
	0.18300E+01	0.60100E+00	
	0.21350E+01	0.52986E+00	
	0.24400E+01	0.45891E+00	
	0.27450E+01	0.38931E+00	
	0.30500E+01	0.32244E+00	
	0.37350E+01	0.20744E+00	

0.44200E+01 0.12228E+00
 0.51050E+01 0.65779E-01
 0.57900E+01 0.32196E-01
 0.64750E+01 0.14316E-01
 0.71600E+01 0.57779E-02
 0.78450E+01 0.21161E-02
 0.85300E+01 0.70401E-03
 0.92150E+01 0.21380E-03
 0.99000E+01 0.60237E-04
 0.10585E+02 0.16512E-04
 0.11270E+02 0.49718E-05
 0.11955E+02 0.20279E-05
 0.12640E+02 0.12649E-05
 0.13325E+02 0.10636E-05
 0.14010E+02 0.10128E-05
 0.14695E+02 0.10016E-05
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.95996E+00
	0.30500E+00	0.92578E+00	
	0.61000E+00	0.87102E+00	
	0.91500E+00	0.80520E+00	
	0.12200E+01	0.73799E+00	
	0.15250E+01	0.66936E+00	
	0.18300E+01	0.59960E+00	
	0.21350E+01	0.52934E+00	
	0.24400E+01	0.45944E+00	
	0.27450E+01	0.39096E+00	
	0.30500E+01	0.32517E+00	
	0.37350E+01	0.21167E+00	

0.44200E+01 0.13116E+00
 0.51050E+01 0.73387E-01
 0.57900E+01 0.37664E-01
 0.64750E+01 0.17696E-01
 0.71600E+01 0.76031E-02
 0.78450E+01 0.29857E-02
 0.85300E+01 0.10722E-02
 0.92150E+01 0.35314E-03
 0.99000E+01 0.10766E-03
 0.10585E+02 0.31210E-04
 0.11270E+02 0.92338E-05
 0.11955E+02 0.32419E-05
 0.12640E+02 0.16199E-05
 0.13325E+02 0.11689E-05
 0.14010E+02 0.10428E-05
 0.14695E+02 0.10094E-05
 0.15380E+02 0.10015E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.97382E+00
	0.30500E+00	0.93438E+00	
	0.61000E+00	0.86845E+00	
	0.91500E+00	0.80192E+00	
	0.12200E+01	0.73456E+00	
	0.15250E+01	0.66638E+00	
	0.18300E+01	0.59765E+00	
	0.21350E+01	0.52889E+00	
	0.24400E+01	0.46080E+00	
	0.27450E+01	0.39428E+00	
	0.30500E+01	0.33040E+00	
	0.37350E+01	0.21960E+00	

0.44200E+01 0.12681E+00
 0.51050E+01 0.65627E-01
 0.57900E+01 0.34931E-01
 0.64750E+01 0.15983E-01
 0.71600E+01 0.66635E-02
 0.78450E+01 0.25304E-02
 0.85300E+01 0.87586E-03
 0.92150E+01 0.27738E-03
 0.99000E+01 0.81355E-04
 0.10585E+02 0.22897E-04
 0.11270E+02 0.67843E-05
 0.11955E+02 0.25373E-05
 0.12640E+02 0.14125E-05
 0.13325E+02 0.11066E-05
 0.14010E+02 0.10246E-05
 0.14695E+02 0.10045E-05
 0.15380E+02 0.10004E-05
 0.16065E+02 0.99983E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.96685E+00
	0.30500E+00	0.93502E+00	
	0.61000E+00	0.86962E+00	
	0.91500E+00	0.80341E+00	
	0.12200E+01	0.73611E+00	
	0.15250E+01	0.66771E+00	
	0.18300E+01	0.59850E+00	
	0.21350E+01	0.52902E+00	
	0.24400E+01	0.46007E+00	
	0.27450E+01	0.39261E+00	
	0.30500E+01	0.32782E+00	
	0.37350E+01	0.21571E+00	

0.44200E+01 0.13536E+00
 0.51050E+01 0.77062E-01
 0.57900E+01 0.40390E-01
 0.64750E+01 0.19449E-01
 0.71600E+01 0.85927E-02
 0.78450E+01 0.34813E-02
 0.85300E+01 0.12938E-02
 0.92150E+01 0.44203E-03
 0.99000E+01 0.13984E-03
 0.10585E+02 0.41816E-04
 0.11270E+02 0.12478E-04
 0.11955E+02 0.41992E-05
 0.12640E+02 0.19061E-05
 0.13325E+02 0.12569E-05
 0.14010E+02 0.10695E-05
 0.14695E+02 0.10170E-05
 0.15380E+02 0.10035E-05
 0.16065E+02 0.10005E-05
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.98085E+00
	0.30500E+00	0.93384E+00	
	0.61000E+00	0.86748E+00	
	0.91500E+00	0.80068E+00	
	0.12200E+01	0.73328E+00	
	0.15250E+01	0.66532E+00	
	0.18300E+01	0.59704E+00	
	0.21350E+01	0.52893E+00	
	0.24400E+01	0.46163E+00	
	0.27450E+01	0.39596E+00	
	0.30500E+01	0.33292E+00	
	0.37350E+01	0.22333E+00	

0.44200E+01 0.13941E+00
 0.51050E+01 0.80654E-01
 0.57900E+01 0.43104E-01
 0.64750E+01 0.21234E-01
 0.71600E+01 0.96286E-02
 0.78450E+01 0.40161E-02
 0.85300E+01 0.15410E-02
 0.92150E+01 0.54491E-03
 0.99000E+01 0.17857E-03
 0.10585E+02 0.55099E-04
 0.11270E+02 0.16694E-04
 0.11955E+02 0.54779E-05
 0.12640E+02 0.22945E-05
 0.13325E+02 0.13783E-05
 0.14010E+02 0.11077E-05
 0.14695E+02 0.10285E-05
 0.15380E+02 0.10066E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14333E+00
 0.51050E+01 0.84165E-01
 0.57900E+01 0.45802E-01
 0.64750E+01 0.23047E-01
 0.71600E+01 0.10707E-01
 0.78450E+01 0.45887E-02
 0.85300E+01 0.18142E-02
 0.92150E+01 0.66252E-03
 0.99000E+01 0.22448E-03
 0.10585E+02 0.71455E-04
 0.11270E+02 0.22078E-04
 0.11955E+02 0.71582E-05
 0.12640E+02 0.28136E-05
 0.13325E+02 0.15430E-05
 0.14010E+02 0.11607E-05
 0.14695E+02 0.10451E-05
 0.15380E+02 0.10115E-05
 0.16065E+02 0.10025E-05
 0.16750E+02 0.10004E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.98793E+00
	0.30500E+00	0.93340E+00	
	0.61000E+00	0.86667E+00	
	0.91500E+00	0.79966E+00	
	0.12200E+01	0.73226E+00	
	0.15250E+01	0.66450E+00	
	0.18300E+01	0.59664E+00	
	0.21350E+01	0.52912E+00	
	0.24400E+01	0.46259E+00	
	0.27450E+01	0.39766E+00	
	0.30500E+01	0.33539E+00	
	0.37350E+01	0.22693E+00	

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.10105E+01
	0.30500E+00	0.93834E+00	
	0.61000E+00	0.87340E+00	
	0.91500E+00	0.80687E+00	
	0.12200E+01	0.73966E+00	
	0.15250E+01	0.67222E+00	
	0.18300E+01	0.60487E+00	
	0.21350E+01	0.53803E+00	
	0.24400E+01	0.47225E+00	
	0.27450E+01	0.40823E+00	
	0.30500E+01	0.34676E+00	
	0.37350E+01	0.23676E+00	

0.44200E+01 0.15209E+00
 0.51050E+01 0.91266E-01
 0.57900E+01 0.50961E-01
 0.64750E+01 0.26414E-01
 0.71600E+01 0.12689E-01
 0.78450E+01 0.56438E-02
 0.85300E+01 0.23236E-02
 0.92150E+01 0.88619E-03
 0.99000E+01 0.31404E-03
 0.10585E+02 0.10429E-03
 0.11270E+02 0.33185E-04
 0.11955E+02 0.10685E-04
 0.12640E+02 0.39006E-05
 0.13325E+02 0.18820E-05
 0.14010E+02 0.12695E-05
 0.14695E+02 0.10800E-05
 0.15380E+02 0.10222E-05
 0.16065E+02 0.10056E-05
 0.16750E+02 0.10012E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16588E+00
 0.51050E+01 0.10217E+00
 0.57900E+01 0.58870E-01
 0.64750E+01 0.31634E-01
 0.71600E+01 0.15824E-01
 0.78450E+01 0.73602E-02
 0.85300E+01 0.31814E-02
 0.92150E+01 0.12783E-02
 0.99000E+01 0.47828E-03
 0.10585E+02 0.16749E-03
 0.11270E+02 0.55640E-04
 0.11955E+02 0.18128E-04
 0.12640E+02 0.62540E-05
 0.13325E+02 0.26175E-05
 0.14010E+02 0.15039E-05
 0.14695E+02 0.11560E-05
 0.15380E+02 0.10466E-05
 0.16065E+02 0.10130E-05
 0.16750E+02 0.10033E-05
 0.17435E+02 0.10007E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.10477E+01
	0.30500E+00	0.94496E+00	
	0.61000E+00	0.88449E+00	
	0.91500E+00	0.82058E+00	
	0.12200E+01	0.75482E+00	
	0.15250E+01	0.68826E+00	
	0.18300E+01	0.62152E+00	
	0.21350E+01	0.55550E+00	
	0.24400E+01	0.49043E+00	
	0.27450E+01	0.42701E+00	
	0.30500E+01	0.36579E+00	
	0.37350E+01	0.25322E+00	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.10989E+01
	0.30500E+00	0.95196E+00	
	0.61000E+00	0.89744E+00	
	0.91500E+00	0.83811E+00	
	0.12200E+01	0.77588E+00	
	0.15250E+01	0.71120E+00	
	0.18300E+01	0.64603E+00	
	0.21350E+01	0.58092E+00	
	0.24400E+01	0.51653E+00	
	0.27450E+01	0.45343E+00	
	0.30500E+01	0.39208E+00	
	0.37350E+01	0.27640E+00	

0.44200E+01 0.18514E+00
 0.51050E+01 0.11733E+00
 0.57900E+01 0.69900E-01
 0.64750E+01 0.39143E-01
 0.71600E+01 0.20485E-01
 0.78450E+01 0.10015E-01
 0.85300E+01 0.45705E-02
 0.92150E+01 0.19467E-02
 0.99000E+01 0.77439E-03
 0.10585E+02 0.28850E-03
 0.11270E+02 0.10139E-03
 0.11955E+02 0.34228E-04
 0.12640E+02 0.11595E-04
 0.13325E+02 0.43289E-05
 0.14010E+02 0.20508E-05
 0.14695E+02 0.13377E-05
 0.15380E+02 0.11047E-05
 0.16065E+02 0.10316E-05
 0.16750E+02 0.10090E-05
 0.17435E+02 0.10023E-05
 0.18120E+02 0.10005E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.21035E+00
 0.51050E+01 0.13733E+00
 0.57900E+01 0.84901E-01
 0.64750E+01 0.49519E-01
 0.71600E+01 0.27173E-01
 0.78450E+01 0.14003E-01
 0.85300E+01 0.67681E-02
 0.92150E+01 0.30666E-02
 0.99000E+01 0.13026E-02
 0.10585E+02 0.51931E-03
 0.11270E+02 0.19501E-03
 0.11955E+02 0.69591E-04
 0.12640E+02 0.24118E-04
 0.13325E+02 0.85446E-05
 0.14010E+02 0.34313E-05
 0.14695E+02 0.17851E-05
 0.15380E+02 0.12538E-05
 0.16065E+02 0.10808E-05
 0.16750E+02 0.10249E-05
 0.17435E+02 0.10072E-05
 0.18120E+02 0.10020E-05
 0.18805E+02 0.10005E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.1000E+01	0.11638E+01
	0.3050E+00	0.95876E+00	
	0.6100E+00	0.91077E+00	
	0.9150E+00	0.85722E+00	
	0.1220E+01	0.79944E+00	
	0.1525E+01	0.73872E+00	
	0.1830E+01	0.67620E+00	
	0.2135E+01	0.61288E+00	
	0.2440E+01	0.54956E+00	
	0.2745E+01	0.48690E+00	
	0.3050E+01	0.42336E+00	
	0.3735E+01	0.30635E+00	

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.1000E+01	0.12418E+01
	0.3050E+00	0.96506E+00	
	0.6100E+00	0.92360E+00	
	0.9150E+00	0.87636E+00	
	0.1220E+01	0.82428E+00	
	0.1525E+01	0.76840E+00	
	0.1830E+01	0.70976E+00	
	0.2135E+01	0.64932E+00	
	0.2440E+01	0.58792E+00	
	0.2745E+01	0.52629E+00	
	0.3050E+01	0.46493E+00	
	0.3735E+01	0.34301E+00	

0.44200E+01 0.24191E+00
 0.51050E+01 0.16287E+00
 0.57900E+01 0.10438E+00
 0.64750E+01 0.63480E-01
 0.71600E+01 0.36533E-01
 0.78450E+01 0.19853E-01
 0.85300E+01 0.10172E-01
 0.92150E+01 0.49068E-02
 0.99000E+01 0.22301E-02
 0.10585E+02 0.95418E-03
 0.11270E+02 0.38503E-03
 0.11955E+02 0.14711E-03
 0.12640E+02 0.53746E-04
 0.13325E+02 0.19224E-04
 0.14010E+02 0.71104E-05
 0.14695E+02 0.30214E-05
 0.15380E+02 0.16675E-05
 0.16065E+02 0.12198E-05
 0.16750E+02 0.10713E-05
 0.17435E+02 0.10224E-05
 0.18120E+02 0.10068E-05
 0.18805E+02 0.10019E-05
 0.19490E+02 0.10005E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.28003E+00
 0.51050E+01 0.19457E+00
 0.57900E+01 0.12924E+00
 0.64750E+01 0.81871E-01
 0.71600E+01 0.49351E-01
 0.78450E+01 0.28246E-01
 0.85300E+01 0.15323E-01
 0.92150E+01 0.78687E-02
 0.99000E+01 0.38220E-02
 0.10585E+02 0.17553E-02
 0.11270E+02 0.76250E-03
 0.11955E+02 0.31379E-03
 0.12640E+02 0.12283E-03
 0.13325E+02 0.46187E-04
 0.14010E+02 0.17082E-04
 0.14695E+02 0.65565E-05
 0.15380E+02 0.28898E-05
 0.16065E+02 0.16390E-05
 0.16750E+02 0.12148E-05
 0.17435E+02 0.10712E-05
 0.18120E+02 0.10230E-05
 0.18805E+02 0.10072E-05
 0.19490E+02 0.10021E-05
 0.20175E+02 0.10006E-05
 0.20860E+02 0.10002E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.1000E+01	0.13328E+01
	0.3050E+00	0.97073E+00	
	0.6100E+00	0.93545E+00	
	0.9150E+00	0.89452E+00	
	0.1220E+01	0.84855E+00	
	0.1525E+01	0.79826E+00	
	0.1830E+01	0.74446E+00	
	0.2135E+01	0.68796E+00	
	0.2440E+01	0.62954E+00	
	0.2745E+01	0.56988E+00	
	0.3050E+01	0.50953E+00	
	0.3735E+01	0.38595E+00	

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.1000E+01	0.14365E+01
	0.3050E+00	0.97572E+00	
	0.6100E+00	0.94606E+00	
	0.9150E+00	0.91114E+00	
	0.1220E+01	0.87126E+00	
	0.1525E+01	0.82687E+00	
	0.1830E+01	0.77851E+00	
	0.2135E+01	0.72678E+00	
	0.2440E+01	0.67230E+00	
	0.2745E+01	0.61567E+00	
	0.3050E+01	0.55739E+00	
	0.3735E+01	0.43415E+00	

0.44200E+01 0.32450E+00
 0.51050E+01 0.23283E+00
 0.57900E+01 0.16022E+00
 0.64750E+01 0.10560E+00
 0.71600E+01 0.66544E-01
 0.78450E+01 0.40017E-01
 0.85300E+01 0.22928E-01
 0.92150E+01 0.12498E-01
 0.99000E+01 0.64751E-02
 0.10585E+02 0.31859E-02
 0.11270E+02 0.14883E-02
 0.11955E+02 0.66035E-03
 0.12640E+02 0.27869E-03
 0.13325E+02 0.11231E-03
 0.14010E+02 0.43612E-04
 0.14695E+02 0.16679E-04
 0.15380E+02 0.65944E-05
 0.16065E+02 0.29621E-05
 0.16750E+02 0.16809E-05
 0.17435E+02 0.12344E-05
 0.18120E+02 0.10795E-05
 0.18805E+02 0.10264E-05
 0.19490E+02 0.10085E-05
 0.20175E+02 0.10026E-05
 0.20860E+02 0.10008E-05
 0.21545E+02 0.10002E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.37456E+00
 0.51050E+01 0.27762E+00
 0.57900E+01 0.19788E+00
 0.64750E+01 0.13553E+00
 0.71600E+01 0.89095E-01
 0.78450E+01 0.56142E-01
 0.85300E+01 0.33865E-01
 0.92150E+01 0.19528E-01
 0.99000E+01 0.10752E-01
 0.10585E+02 0.56483E-02
 0.11270E+02 0.28288E-02
 0.11955E+02 0.13504E-02
 0.12640E+02 0.61647E-03
 0.13325E+02 0.26710E-03
 0.14010E+02 0.11118E-03
 0.14695E+02 0.44682E-04
 0.15380E+02 0.17666E-04
 0.16065E+02 0.71660E-05
 0.16750E+02 0.32329E-05
 0.17435E+02 0.17978E-05
 0.18120E+02 0.12820E-05
 0.18805E+02 0.10983E-05
 0.19490E+02 0.10336E-05
 0.20175E+02 0.10112E-05
 0.20860E+02 0.10036E-05
 0.21545E+02 0.10011E-05
 0.22230E+02 0.10003E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.15528E+01
	0.30500E+00	0.98003E+00	
	0.61000E+00	0.95536E+00	
	0.91500E+00	0.92594E+00	
	0.12200E+01	0.89186E+00	
	0.15250E+01	0.85331E+00	
	0.18300E+01	0.81062E+00	
	0.21350E+01	0.76417E+00	
	0.24400E+01	0.71438E+00	
	0.27450E+01	0.66171E+00	
	0.30500E+01	0.60656E+00	
	0.37350E+01	0.48612E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.16818E+01
	0.30500E+00	0.98369E+00	
	0.61000E+00	0.96336E+00	
	0.91500E+00	0.93885E+00	
	0.12200E+01	0.91008E+00	
	0.15250E+01	0.87709E+00	
	0.18300E+01	0.84001E+00	
	0.21350E+01	0.79902E+00	
	0.24400E+01	0.75438E+00	
	0.27450E+01	0.70538E+00	
	0.30500E+01	0.65522E+00	
	0.37350E+01	0.54003E+00	

0.44200E+01 0.42891E+00
 0.51050E+01 0.32837E+00
 0.57900E+01 0.24231E+00
 0.64750E+01 0.17228E+00
 0.71600E+01 0.11793E+00
 0.78450E+01 0.77688E-01
 0.85300E+01 0.49159E-01
 0.92150E+01 0.29872E-01
 0.99000E+01 0.17409E-01
 0.10585E+02 0.97215E-02
 0.11270E+02 0.51976E-02
 0.11955E+02 0.26591E-02
 0.12640E+02 0.13015E-02
 0.13325E+02 0.60953E-03
 0.14010E+02 0.27343E-03
 0.14695E+02 0.11782E-03
 0.15380E+02 0.49076E-04
 0.16065E+02 0.20062E-04
 0.16750E+02 0.83247E-05
 0.17435E+02 0.37483E-05
 0.18120E+02 0.20141E-05
 0.18805E+02 0.13693E-05
 0.19490E+02 0.11326E-05
 0.20175E+02 0.10467E-05
 0.20860E+02 0.10161E-05
 0.21545E+02 0.10054E-05
 0.22230E+02 0.10018E-05
 0.22915E+02 0.10005E-05
 0.23600E+02 0.10002E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.48584E+00
 0.51050E+01 0.38391E+00
 0.57900E+01 0.29306E+00
 0.64750E+01 0.21604E+00
 0.71600E+01 0.15735E+00
 0.78450E+01 0.10558E+00
 0.85300E+01 0.69912E-01
 0.92150E+01 0.44605E-01
 0.99000E+01 0.27398E-01
 0.10585E+02 0.16189E-01
 0.11270E+02 0.91955E-02
 0.11955E+02 0.50174E-02
 0.12640E+02 0.26286E-02
 0.13325E+02 0.13219E-02
 0.14010E+02 0.63824E-03
 0.14695E+02 0.29605E-03
 0.15380E+02 0.13222E-03
 0.16065E+02 0.57140E-04
 0.16750E+02 0.24168E-04
 0.17435E+02 0.10264E-04
 0.18120E+02 0.46102E-05
 0.18805E+02 0.23799E-05
 0.19490E+02 0.15194E-05
 0.20175E+02 0.11926E-05
 0.20860E+02 0.10702E-05
 0.21545E+02 0.10250E-05
 0.22230E+02 0.10087E-05
 0.22915E+02 0.10030E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.18234E+01
	0.30500E+00	0.98677E+00	
	0.61000E+00	0.97015E+00	
	0.91500E+00	0.94991E+00	
	0.12200E+01	0.92590E+00	
	0.15250E+01	0.89803E+00	
	0.18300E+01	0.86627E+00	
	0.21350E+01	0.83067E+00	
	0.24400E+01	0.79132E+00	
	0.27450E+01	0.74833E+00	
	0.30500E+01	0.70187E+00	
	0.37350E+01	0.59405E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19776E+01
	0.30500E+00	0.98934E+00	
	0.61000E+00	0.97585E+00	
	0.91500E+00	0.95928E+00	
	0.12200E+01	0.93943E+00	
	0.15250E+01	0.91614E+00	
	0.18300E+01	0.88929E+00	
	0.21350E+01	0.85881E+00	
	0.24400E+01	0.82466E+00	
	0.27450E+01	0.78684E+00	
	0.30500E+01	0.74538E+00	
	0.37350E+01	0.6453E+00	

#VAR Existing Expansion Area - ELIRHOMX.IN
 2 HOLAY :No. of Layers
 H ARE ANY LAYERS FRACTURED?
 0 0.18 0.36 0 2.12 3.05 10
 0.018 0.41 1.69 27.4 40
 2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 H Is there Decay
 H Do you have an initial concentration profile?
 Y Is there a variation in velocity within groups?
 7 Number of groups of variable data
 0 Time at which analysis starts
 5 5 1 T(end), No. Time Steps, CO
 0 0.00756 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 15 2 1 T(end), No. Time Steps, CO
 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 16 1 1 T(end), No. Time Steps, CO
 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 19 3 1 T(end), No. Time Steps, CO
 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 20 1 1 T(end), No. Time Steps, CO
 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 75 11 1 T(end), No. Time Steps, CO
 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 145 14 1 T(end), No. Time Steps, CO
 0 0.0027 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 Y Accept default TALBOT parameters?
 H Limited number of depths for results

.....
 R470

 POLLUTEV6 SIMULATION

 RUN DATE - 27- 8-***
 TIME - 11:35:45

 REVISION - 1994/03/01

 VERSION 6.0.2

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 LICENSED USER: Andrews Environmental Eng. Inc

.....
 #VAR Existing Expansion Area - ELIRHOMX.IN

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR
 HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION
 WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	PROPERTIES OF THE MATRIX DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	2.1200	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

THE TOP AND BOTTOM BOUNDARY CONDITIONS
 are defined by CODES Top = 2 Bottom = 4
 See below for details

CODE	TOP	BOTTOM
1	Zero Flux	Zero Flux
2	C = Const.	C = Const.
3	Finite Mass	Fixed Outflow Velocity
4		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.13250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53853E-24	
	0.37350E+01	0.76564E-31	

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
0.1000E+01	0.3050E+00	0.10795E+00	
0.1000E+01	0.6100E+00	0.13045E-02	
0.1000E+01	0.9150E+00	0.14179E-05	
0.1000E+01	0.1220E+01	0.12828E-09	
0.1000E+01	0.1325E+01	0.37175E-13	
0.1000E+01	0.1830E+01	0.10920E-14	
0.1000E+01	0.2135E+01	0.16809E-16	
0.1000E+01	0.2440E+01	0.12487E-18	
0.1000E+01	0.2745E+01	0.41716E-21	
0.1000E+01	0.3050E+01	0.53853E-24	
0.1000E+01	0.3735E+01	0.76564E-31	

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate Collected	Volume
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

Period	Start Time	End Time	Darcy Velocity* (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01 0.10473E-35
 0.51050E+01 0.12729E-41
 0.57900E+01 0.42328E-48
 0.64750E+01 0.00000E-00
 0.71600E+01 0.00000E+00
 0.78450E+01 0.00000E+00
 0.85300E+01 0.00000E+00
 0.92150E+01 0.00000E+00
 0.99000E+01 0.00000E+00
 0.10585E+02 0.00000E+00
 0.11270E+02 0.00000E+00
 0.11955E+02 0.00000E+00
 0.12640E+02 0.00000E+00
 0.13325E+02 0.00000E+00
 0.14010E+02 0.00000E+00
 0.14695E+02 0.00000E+00
 0.15380E+02 0.00000E+00
 0.16065E+02 0.00000E+00
 0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

0.44200E+01 0.18488E-19
 0.51050E+01 0.76184E-13
 0.57900E+01 0.40554E-08
 0.64750E+01 0.48259E-06
 0.71600E+01 0.95476E-06
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.10000E+01	0.10476E+00
	0.3050E+00	0.3671E+00	
	0.6100E+00	0.6747E-01	
	0.9150E+00	0.5985E-02	
	0.1220E+01	0.2486E-03	
	0.1525E+01	0.4697E-05	
	0.1830E+01	0.3941E-07	
	0.2135E+01	0.1458E-09	
	0.2440E+01	0.2590E-12	
	0.2745E+01	0.2517E-14	
	0.3050E+01	0.1690E-15	
	0.3735E+01	0.1313E-18	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
	0.3050E+00	0.5544E+00	
	0.6100E+00	0.2205E+00	
	0.9150E+00	0.6163E-01	
	0.1220E+01	0.1192E-01	
	0.1525E+01	0.1577E-02	
	0.1830E+01	0.1415E-03	
	0.2135E+01	0.8553E-05	
	0.2440E+01	0.3468E-06	
	0.2745E+01	0.9391E-08	
	0.3050E+01	0.1623E-09	
	0.3735E+01	0.3563E-14	

0.44200E+01 0.12073E-12
 0.51050E+01 0.19516E-09
 0.57900E+01 0.25549E-07
 0.64750E+01 0.36471E-06
 0.71600E+01 0.86623E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.26426E-10
 0.51050E+01 0.22132E-08
 0.57900E+01 0.48772E-07
 0.64750E+01 0.31480E-06
 0.71600E+01 0.73856E-06
 0.78450E+01 0.95790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.21292E+00
	0.3050E+00	0.5754E+00	
	0.6100E+00	0.3770E+00	
	0.9150E+00	0.1714E+00	
	0.1220E+01	0.6296E-01	
	0.1525E+01	0.1852E-01	
	0.1830E+01	0.4339E-02	
	0.2135E+01	0.8062E-03	
	0.2440E+01	0.1184E-03	
	0.2745E+01	0.1372E-04	
	0.3050E+01	0.1201E-05	
	0.3735E+01	0.1595E-08	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.3050E+00	0.7589E+00	
	0.6100E+00	0.5067E+00	
	0.9150E+00	0.2975E+00	
	0.1220E+01	0.1521E+00	
	0.1525E+01	0.6739E-01	
	0.1830E+01	0.2574E-01	
	0.2135E+01	0.8455E-02	
	0.2440E+01	0.2381E-02	
	0.2745E+01	0.5733E-03	
	0.3050E+01	0.1136E-03	
	0.3735E+01	0.1399E-05	

0.44200E+01 0.72453E-08
 0.51050E+01 0.69922E-08
 0.57900E+01 0.66025E-07
 0.64750E+01 0.29521E-06
 0.71600E+01 0.63576E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99861E-06
 0.99000E+01 0.99994E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29135E-02
 0.51050E+01 0.41666E-03
 0.57900E+01 0.44393E-04
 0.64750E+01 0.37198E-05
 0.71600E+01 0.62479E-06
 0.78450E+01 0.64267E-06
 0.85300E+01 0.81097E-06
 0.92150E+01 0.92165E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.30500E+00	0.90783E+00	
	0.61000E+00	0.79697E+00	
	0.91500E+00	0.67430E+00	
	0.12200E+01	0.54825E+00	
	0.15250E+01	0.42743E+00	
	0.18300E+01	0.31881E+00	
	0.21350E+01	0.22709E+00	
	0.24400E+01	0.15411E+00	
	0.27450E+01	0.99143E-01	
	0.30500E+01	0.59536E-01	
	0.37350E+01	0.15207E-01	

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.77844E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88142E+00	
	0.91500E+00	0.80474E+00	
	0.12200E+01	0.71951E+00	
	0.15250E+01	0.62900E+00	
	0.18300E+01	0.53682E+00	
	0.21350E+01	0.44652E+00	
	0.24400E+01	0.36118E+00	
	0.27450E+01	0.28305E+00	
	0.30500E+01	0.21334E+00	
	0.37350E+01	0.10029E+00	

0.44200E+01 0.39919E-01
 0.51050E+01 0.13393E-01
 0.57900E+01 0.37788E-02
 0.64750E+01 0.89563E-03
 0.71600E+01 0.17838E-03
 0.78450E+01 0.30191E-04
 0.85300E+01 0.48210E-05
 0.92150E+01 0.12875E-05
 0.99000E+01 0.94105E-06
 0.10585E+02 0.95442E-06
 0.11270E+02 0.98062E-06
 0.11955E+02 0.99335E-06
 0.12640E+02 0.99807E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.52747E-01
 0.51050E+01 0.19473E-01
 0.57900E+01 0.61282E-02
 0.64750E+01 0.16412E-02
 0.71600E+01 0.37398E-03
 0.78450E+01 0.72914E-04
 0.85300E+01 0.12732E-04
 0.92150E+01 0.25840E-05
 0.99000E+01 0.11213E-05
 0.10585E+02 0.96540E-06
 0.11270E+02 0.97479E-06
 0.11955E+02 0.98960E-06
 0.12640E+02 0.99653E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.10000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.89176E+00	
	0.91500E+00	0.81998E+00	
	0.12200E+01	0.74080E+00	
	0.15250E+01	0.65578E+00	
	0.18300E+01	0.56797E+00	
	0.21350E+01	0.48046E+00	
	0.24400E+01	0.39606E+00	
	0.27450E+01	0.31697E+00	
	0.30500E+01	0.24456E+00	
	0.37350E+01	0.12233E+00	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.10000E+01	0.86564E+00
	0.30500E+00	0.95499E+00	
	0.61000E+00	0.89919E+00	
	0.91500E+00	0.83399E+00	
	0.12200E+01	0.75976E+00	
	0.15250E+01	0.67978E+00	
	0.18300E+01	0.59617E+00	
	0.21350E+01	0.51163E+00	
	0.24400E+01	0.42866E+00	
	0.27450E+01	0.34935E+00	
	0.30500E+01	0.27521E+00	
	0.37350E+01	0.14542E+00	

0.44200E+01 0.67070E-01
 0.51050E+01 0.26854E-01
 0.57900E+01 0.92833E-02
 0.64750E+01 0.27632E-02
 0.71600E+01 0.70755E-03
 0.78450E+01 0.15629E-03
 0.85300E+01 0.30425E-04
 0.92150E+01 0.58713E-05
 0.99000E+01 0.16896E-05
 0.10585E+02 0.10498E-05
 0.11270E+02 0.97950E-06
 0.11955E+02 0.98620E-06
 0.12640E+02 0.99446E-06
 0.13325E+02 0.99819E-06
 0.14010E+02 0.99735E-06
 0.14695E+02 0.99877E-06
 0.15380E+02 0.99977E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.77578E-01
 0.51050E+01 0.32663E-01
 0.57900E+01 0.11976E-01
 0.64750E+01 0.38108E-02
 0.71600E+01 0.10510E-02
 0.78450E+01 0.25159E-03
 0.85300E+01 0.53016E-04
 0.92150E+01 0.10568E-04
 0.99000E+01 0.26069E-05
 0.10585E+02 0.12241E-05
 0.11270E+02 0.10055E-05
 0.11955E+02 0.98679E-06
 0.12640E+02 0.99290E-06
 0.13325E+02 0.99735E-06
 0.14010E+02 0.99918E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.89466E+00
	0.3050E+00	0.95622E+00	
	0.6100E+00	0.90339E+00	
	0.9150E+00	0.84096E+00	
	0.1220E+01	0.77051E+00	
	0.1525E+01	0.69381E+00	
	0.1830E+01	0.61308E+00	
	0.2135E+01	0.53071E+00	
	0.2440E+01	0.44901E+00	
	0.2745E+01	0.36989E+00	
	0.3050E+01	0.29478E+00	
	0.3735E+01	0.16124E+00	

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.90960E+00
	0.3050E+00	0.95639E+00	
	0.6100E+00	0.90409E+00	
	0.9150E+00	0.84317E+00	
	0.1220E+01	0.77445E+00	
	0.1525E+01	0.69951E+00	
	0.1830E+01	0.62039E+00	
	0.2135E+01	0.53933E+00	
	0.2440E+01	0.45847E+00	
	0.2745E+01	0.37950E+00	
	0.3050E+01	0.30370E+00	
	0.3735E+01	0.16926E+00	

0.44200E+01 0.83318E-01
 0.51050E+01 0.36049E-01
 0.57900E+01 0.13647E-01
 0.64750E+01 0.45053E-02
 0.71600E+01 0.12948E-02
 0.78450E+01 0.32432E-03
 0.85300E+01 0.71648E-04
 0.92150E+01 0.14792E-04
 0.99000E+01 0.35211E-05
 0.10585E+02 0.14276E-05
 0.11270E+02 0.10463E-05
 0.11955E+02 0.99189E-06
 0.12640E+02 0.99243E-06
 0.13325E+02 0.99674E-06
 0.14010E+02 0.99890E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.84022E-01
 0.51050E+01 0.36639E-01
 0.57900E+01 0.14004E-01
 0.64750E+01 0.46758E-02
 0.71600E+01 0.13616E-02
 0.78450E+01 0.34625E-03
 0.85300E+01 0.77811E-04
 0.92150E+01 0.16417E-04
 0.99000E+01 0.39520E-05
 0.10585E+02 0.15492E-05
 0.11270E+02 0.10781E-05
 0.11955E+02 0.99785E-06
 0.12640E+02 0.99284E-06
 0.13325E+02 0.99650E-06
 0.14010E+02 0.99875E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.91055E+00
	0.3050E+00	0.95392E+00	
	0.6100E+00	0.90141E+00	
	0.9150E+00	0.84060E+00	
	0.1220E+01	0.77217E+00	
	0.1525E+01	0.69764E+00	
	0.1830E+01	0.61899E+00	
	0.2135E+01	0.53836E+00	
	0.2440E+01	0.45783E+00	
	0.2745E+01	0.37897E+00	
	0.3050E+01	0.30175E+00	
	0.3735E+01	0.16962E+00	

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91571E+00
	0.3050E+00	0.94856E+00	
	0.6100E+00	0.89354E+00	
	0.9150E+00	0.83266E+00	
	0.1220E+01	0.76543E+00	
	0.1525E+01	0.69268E+00	
	0.1830E+01	0.61599E+00	
	0.2135E+01	0.53718E+00	
	0.2440E+01	0.45791E+00	
	0.2745E+01	0.37965E+00	
	0.3050E+01	0.30416E+00	
	0.3735E+01	0.17660E+00	

0.44200E+01 0.90376E-01
 0.51050E+01 0.40943E-01
 0.57900E+01 0.16382E-01
 0.64750E+01 0.57720E-02
 0.71600E+01 0.17075E-02
 0.78450E+01 0.48683E-03
 0.85300E+01 0.11762E-03
 0.92150E+01 0.26180E-04
 0.99000E+01 0.61194E-05
 0.10585E+02 0.20253E-05
 0.11270E+02 0.11885E-05
 0.11955E+02 0.10213E-05
 0.12640E+02 0.99602E-06
 0.13325E+02 0.99626E-06
 0.14010E+02 0.99838E-06
 0.14695E+02 0.99945E-06
 0.15380E+02 0.99984E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.96419E-01
 0.51050E+01 0.45247E-01
 0.57900E+01 0.18867E-01
 0.64750E+01 0.69758E-02
 0.71600E+01 0.22830E-02
 0.78450E+01 0.66140E-03
 0.85300E+01 0.17061E-03
 0.92150E+01 0.40197E-04
 0.99000E+01 0.94464E-05
 0.10585E+02 0.27854E-05
 0.11270E+02 0.13687E-05
 0.11955E+02 0.10636E-05
 0.12640E+02 0.10043E-05
 0.13325E+02 0.99708E-06
 0.14010E+02 0.99814E-06
 0.14695E+02 0.99926E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99992E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.92134E+00
	0.30500E+00	0.94515E+00	
	0.61000E+00	0.88781E+00	
	0.91500E+00	0.82615E+00	
	0.12200E+01	0.75943E+00	
	0.15250E+01	0.68798E+00	
	0.18300E+01	0.61289E+00	
	0.21350E+01	0.53565E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.38106E+00	
	0.30500E+01	0.30727E+00	
	0.37350E+01	0.18264E+00	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.92731E+00
	0.30500E+00	0.94263E+00	
	0.61000E+00	0.88341E+00	
	0.91500E+00	0.82087E+00	
	0.12200E+01	0.75426E+00	
	0.15250E+01	0.68368E+00	
	0.18300E+01	0.60989E+00	
	0.21350E+01	0.53412E+00	
	0.24400E+01	0.45784E+00	
	0.27450E+01	0.38268E+00	
	0.30500E+01	0.31048E+00	
	0.37350E+01	0.18820E+00	

0.44200E+01 0.10212E+00
 0.51050E+01 0.49512E-01
 0.57900E+01 0.21478E-01
 0.64750E+01 0.82798E-02
 0.71600E+01 0.28483E-02
 0.78450E+01 0.87256E-03
 0.85300E+01 0.23898E-03
 0.92150E+01 0.59558E-04
 0.99000E+01 0.14346E-04
 0.10585E+02 0.39546E-05
 0.11270E+02 0.16527E-05
 0.11955E+02 0.11342E-05
 0.12640E+02 0.10203E-05
 0.13325E+02 0.99985E-06
 0.14010E+02 0.99827E-06
 0.14695E+02 0.99911E-06
 0.15380E+02 0.99967E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10751E+00
 0.51050E+01 0.53707E-01
 0.57900E+01 0.24075E-01
 0.64750E+01 0.96753E-02
 0.71600E+01 0.34824E-02
 0.78450E+01 0.11224E-02
 0.85300E+01 0.32475E-03
 0.92150E+01 0.85416E-04
 0.99000E+01 0.21303E-04
 0.10585E+02 0.56939E-05
 0.11270E+02 0.20861E-05
 0.11955E+02 0.12458E-05
 0.12640E+02 0.10482E-05
 0.13325E+02 0.10058E-05
 0.14010E+02 0.99913E-06
 0.14695E+02 0.99907E-06
 0.15380E+02 0.99958E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93351E+00
	0.30500E+00	0.94067E+00	
	0.61000E+00	0.87990E+00	
	0.91500E+00	0.81652E+00	
	0.12200E+01	0.74985E+00	
	0.15250E+01	0.67987E+00	
	0.18300E+01	0.60716E+00	
	0.21350E+01	0.53274E+00	
	0.24400E+01	0.45796E+00	
	0.27450E+01	0.38434E+00	
	0.30500E+01	0.31364E+00	
	0.37350E+01	0.19341E+00	

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.93991E+00
	0.30500E+00	0.93908E+00	
	0.61000E+00	0.87704E+00	
	0.91500E+00	0.81291E+00	
	0.12200E+01	0.74610E+00	
	0.15250E+01	0.67657E+00	
	0.18300E+01	0.60476E+00	
	0.21350E+01	0.53156E+00	
	0.24400E+01	0.45818E+00	
	0.27450E+01	0.38600E+00	
	0.30500E+01	0.31659E+00	
	0.37350E+01	0.19833E+00	

0.44200E+01 0.11266E+00
 0.51050E+01 0.57819E-01
 0.57900E+01 0.26757E-01
 0.64750E+01 0.11153E-01
 0.71600E+01 0.41841E-02
 0.78450E+01 0.14123E-02
 0.85300E+01 0.42977E-03
 0.92150E+01 0.11896E-03
 0.99000E+01 0.30864E-04
 0.10585E+02 0.82022E-05
 0.11270E+02 0.27291E-05
 0.11955E+02 0.14157E-05
 0.12640E+02 0.10932E-05
 0.13325E+02 0.10168E-05
 0.14010E+02 0.10013E-05
 0.14695E+02 0.99930E-06
 0.15380E+02 0.99953E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11757E+00
 0.51050E+01 0.61844E-01
 0.57900E+01 0.29468E-01
 0.64750E+01 0.12703E-01
 0.71600E+01 0.49503E-02
 0.78450E+01 0.17434E-02
 0.85300E+01 0.55571E-03
 0.92150E+01 0.16136E-03
 0.99000E+01 0.43628E-04
 0.10585E+02 0.11717E-04
 0.11270E+02 0.36589E-05
 0.11955E+02 0.16666E-05
 0.12640E+02 0.11624E-05
 0.13325E+02 0.10350E-05
 0.14010E+02 0.10055E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.99957E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.94647E+00
	0.30500E+00	0.93778E+00	
	0.61000E+00	0.87466E+00	
	0.91500E+00	0.80988E+00	
	0.12200E+01	0.74293E+00	
	0.15250E+01	0.67374E+00	
	0.18300E+01	0.60271E+00	
	0.21350E+01	0.53060E+00	
	0.24400E+01	0.45849E+00	
	0.27450E+01	0.38766E+00	
	0.30500E+01	0.31962E+00	
	0.37350E+01	0.20300E+00	

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.95316E+00
	0.30500E+00	0.93669E+00	
	0.61000E+00	0.87268E+00	
	0.91500E+00	0.80734E+00	
	0.12200E+01	0.74025E+00	
	0.15250E+01	0.67136E+00	
	0.18300E+01	0.60100E+00	
	0.21350E+01	0.52986E+00	
	0.24400E+01	0.45891E+00	
	0.27450E+01	0.38931E+00	
	0.30500E+01	0.32244E+00	
	0.37350E+01	0.20744E+00	

0.44200E+01 0.12228E+00
 0.51050E+01 0.65779E-01
 0.57900E+01 0.32196E-01
 0.64750E+01 0.14316E-01
 0.71600E+01 0.57779E-02
 0.78450E+01 0.21161E-02
 0.85300E+01 0.70401E-03
 0.92150E+01 0.21300E-03
 0.99000E+01 0.60237E-04
 0.10585E+02 0.16512E-04
 0.11270E+02 0.49718E-05
 0.11955E+02 0.20279E-05
 0.12640E+02 0.12649E-05
 0.13325E+02 0.10636E-05
 0.14010E+02 0.10128E-05
 0.14695E+02 0.10016E-05
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12681E+00
 0.51050E+01 0.69627E-01
 0.57900E+01 0.34931E-01
 0.64750E+01 0.15983E-01
 0.71600E+01 0.66635E-02
 0.78450E+01 0.25304E-02
 0.85300E+01 0.87586E-03
 0.92150E+01 0.27738E-03
 0.99000E+01 0.81355E-04
 0.10585E+02 0.22897E-04
 0.11270E+02 0.67843E-05
 0.11955E+02 0.25373E-05
 0.12640E+02 0.14125E-05
 0.13325E+02 0.11066E-05
 0.14010E+02 0.10246E-05
 0.14695E+02 0.10045E-05
 0.15380E+02 0.10004E-05
 0.16065E+02 0.99983E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.95996E+00
	0.30500E+00	0.93578E+00	
	0.61000E+00	0.87102E+00	
	0.91500E+00	0.80520E+00	
	0.12200E+01	0.73799E+00	
	0.15250E+01	0.66936E+00	
	0.18300E+01	0.59960E+00	
	0.21350E+01	0.52934E+00	
	0.24400E+01	0.45944E+00	
	0.27450E+01	0.39066E+00	
	0.30500E+01	0.32517E+00	
	0.37350E+01	0.21167E+00	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.96685E+00
	0.30500E+00	0.93502E+00	
	0.61000E+00	0.86922E+00	
	0.91500E+00	0.80341E+00	
	0.12200E+01	0.73611E+00	
	0.15250E+01	0.66771E+00	
	0.18300E+01	0.59850E+00	
	0.21350E+01	0.52902E+00	
	0.24400E+01	0.46007E+00	
	0.27450E+01	0.39261E+00	
	0.30500E+01	0.32782E+00	
	0.37350E+01	0.21571E+00	

0.44200E+01 0.13116E+00
 0.51050E+01 0.73387E-01
 0.57900E+01 0.37664E-01
 0.64750E+01 0.17696E-01
 0.71600E+01 0.76031E-02
 0.78450E+01 0.29857E-02
 0.85300E+01 0.10722E-02
 0.92150E+01 0.35314E-03
 0.99000E+01 0.10766E-03
 0.10585E+02 0.31210E-04
 0.11270E+02 0.92338E-05
 0.11955E+02 0.32419E-05
 0.12640E+02 0.16199E-05
 0.13325E+02 0.11689E-05
 0.14010E+02 0.10428E-05
 0.14695E+02 0.10094E-05
 0.15380E+02 0.10015E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.97382E+00
	0.30500E+00	0.93438E+00	
	0.61000E+00	0.86845E+00	
	0.91500E+00	0.80132E+00	
	0.12200E+01	0.73456E+00	
	0.15250E+01	0.66638E+00	
	0.18300E+01	0.59765E+00	
	0.21350E+01	0.52889E+00	
	0.24400E+01	0.46080E+00	
	0.27450E+01	0.39428E+00	
	0.30500E+01	0.33040E+00	
	0.37350E+01	0.21960E+00	

0.44200E+01 0.13941E+00
 0.51050E+01 0.80654E-01
 0.57900E+01 0.43104E-01
 0.64750E+01 0.21234E-01
 0.71600E+01 0.96286E-02
 0.78450E+01 0.40161E-02
 0.85300E+01 0.15410E-02
 0.92150E+01 0.54491E-03
 0.99000E+01 0.17857E-03
 0.10585E+02 0.55099E-04
 0.11270E+02 0.16694E-04
 0.11955E+02 0.54779E-05
 0.12640E+02 0.22945E-05
 0.13325E+02 0.13783E-05
 0.14010E+02 0.11077E-05
 0.14695E+02 0.10285E-05
 0.15380E+02 0.10066E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.98793E+00
	0.30500E+00	0.93340E+00	
	0.61000E+00	0.86667E+00	
	0.91500E+00	0.79966E+00	
	0.12200E+01	0.73226E+00	
	0.15250E+01	0.66450E+00	
	0.18300E+01	0.59664E+00	
	0.21350E+01	0.52912E+00	
	0.24400E+01	0.46255E+00	
	0.27450E+01	0.39766E+00	
	0.30500E+01	0.33539E+00	
	0.37350E+01	0.22693E+00	

0.44200E+01 0.13536E+00
 0.51050E+01 0.77062E-01
 0.57900E+01 0.40390E-01
 0.64750E+01 0.19449E-01
 0.71600E+01 0.85927E-02
 0.78450E+01 0.34813E-02
 0.85300E+01 0.12388E-02
 0.92150E+01 0.46203E-03
 0.99000E+01 0.13984E-03
 0.10585E+02 0.41816E-04
 0.11270E+02 0.12478E-04
 0.11955E+02 0.41992E-05
 0.12640E+02 0.19061E-05
 0.13325E+02 0.12569E-05
 0.14010E+02 0.10695E-05
 0.14695E+02 0.10170E-05
 0.15380E+02 0.10035E-05
 0.16065E+02 0.10003E-05
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.98085E+00
	0.30500E+00	0.93384E+00	
	0.61000E+00	0.86748E+00	
	0.91500E+00	0.80068E+00	
	0.12200E+01	0.73328E+00	
	0.15250E+01	0.66532E+00	
	0.18300E+01	0.59704E+00	
	0.21350E+01	0.52893E+00	
	0.24400E+01	0.46163E+00	
	0.27450E+01	0.39596E+00	
	0.30500E+01	0.33292E+00	
	0.37350E+01	0.22333E+00	

0.44200E+01 0.14333E+00
 0.51050E+01 0.84165E-01
 0.57900E+01 0.45802E-01
 0.64750E+01 0.23047E-01
 0.71600E+01 0.10707E-01
 0.78450E+01 0.45887E-02
 0.85300E+01 0.18142E-02
 0.92150E+01 0.66252E-03
 0.99000E+01 0.22448E-03
 0.10585E+02 0.71455E-04
 0.11270E+02 0.22078E-04
 0.11955E+02 0.71582E-05
 0.12640E+02 0.28136E-05
 0.13325E+02 0.15430E-05
 0.14010E+02 0.11607E-05
 0.14695E+02 0.10451E-05
 0.15380E+02 0.10115E-05
 0.16065E+02 0.10025E-05
 0.16750E+02 0.10004E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10105E+01
	0.30500E+00	0.93834E+00	
	0.61000E+00	0.87340E+00	
	0.91500E+00	0.80687E+00	
	0.12200E+01	0.73966E+00	
	0.15250E+01	0.67222E+00	
	0.18300E+01	0.60487E+00	
	0.21350E+01	0.53803E+00	
	0.24400E+01	0.47225E+00	
	0.27450E+01	0.40823E+00	
	0.30500E+01	0.34676E+00	
	0.37350E+01	0.23676E+00	

0.44200E+01 0.15209E+00
 0.51050E+01 0.91266E-01
 0.57900E+01 0.50961E-01
 0.64750E+01 0.26414E-01
 0.71600E+01 0.12689E-01
 0.78450E+01 0.56438E-02
 0.85300E+01 0.23236E-02
 0.92150E+01 0.88619E-03
 0.99000E+01 0.31404E-03
 0.10585E+02 0.10429E-03
 0.11270E+02 0.33185E-04
 0.11955E+02 0.10685E-04
 0.12640E+02 0.39006E-05
 0.13325E+02 0.18820E-05
 0.14010E+02 0.12039E-05
 0.14695E+02 0.10800E-05
 0.15380E+02 0.10222E-05
 0.16065E+02 0.10056E-05
 0.16750E+02 0.10012E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16588E+00
 0.51050E+01 0.10217E+00
 0.57900E+01 0.58870E-01
 0.64750E+01 0.31634E-01
 0.71600E+01 0.15824E-01
 0.78450E+01 0.73602E-02
 0.85300E+01 0.31814E-02
 0.92150E+01 0.12783E-02
 0.99000E+01 0.47828E-03
 0.10585E+02 0.16749E-03
 0.11270E+02 0.55640E-04
 0.11955E+02 0.18128E-04
 0.12640E+02 0.62540E-05
 0.13325E+02 0.26175E-05
 0.14010E+02 0.15039E-05
 0.14695E+02 0.11560E-05
 0.15380E+02 0.10466E-05
 0.16065E+02 0.10130E-05
 0.16750E+02 0.10033E-05
 0.17435E+02 0.10007E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.10477E+01
	0.30500E+00	0.94496E+00	
	0.61000E+00	0.88449E+00	
	0.91500E+00	0.82058E+00	
	0.12200E+01	0.75482E+00	
	0.15250E+01	0.68826E+00	
	0.18300E+01	0.62162E+00	
	0.21350E+01	0.55550E+00	
	0.24400E+01	0.49043E+00	
	0.27450E+01	0.42701E+00	
	0.30500E+01	0.36579E+00	
	0.37350E+01	0.25322E+00	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.10989E+01
	0.30500E+00	0.95196E+00	
	0.61000E+00	0.89744E+00	
	0.91500E+00	0.83811E+00	
	0.12200E+01	0.77558E+00	
	0.15250E+01	0.71120E+00	
	0.18300E+01	0.64603E+00	
	0.21350E+01	0.58092E+00	
	0.24400E+01	0.51653E+00	
	0.27450E+01	0.45343E+00	
	0.30500E+01	0.39208E+00	
	0.37350E+01	0.27640E+00	

0.44200E+01 0.18514E+00
 0.51050E+01 0.11733E+00
 0.57900E+01 0.69980E-01
 0.64750E+01 0.39143E-01
 0.71600E+01 0.20485E-01
 0.78450E+01 0.10015E-01
 0.85300E+01 0.45309E-02
 0.92150E+01 0.19467E-02
 0.99000E+01 0.77439E-03
 0.10585E+02 0.28850E-03
 0.11270E+02 0.10139E-03
 0.11955E+02 0.34228E-04
 0.12640E+02 0.11595E-04
 0.13325E+02 0.43289E-05
 0.14010E+02 0.20508E-05
 0.14695E+02 0.13337E-05
 0.15380E+02 0.11047E-05
 0.16065E+02 0.10316E-05
 0.16750E+02 0.10090E-05
 0.17435E+02 0.10023E-05
 0.18120E+02 0.10005E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.21035E+00
 0.51050E+01 0.13733E+00
 0.57900E+01 0.84901E-01
 0.64750E+01 0.49519E-01
 0.71600E+01 0.27173E-01
 0.78450E+01 0.14003E-01
 0.85300E+01 0.67681E-02
 0.92150E+01 0.30666E-02
 0.99000E+01 0.13026E-02
 0.10585E+02 0.51931E-03
 0.11270E+02 0.19501E-03
 0.11955E+02 0.69591E-04
 0.12640E+02 0.24118E-04
 0.13325E+02 0.85446E-05
 0.14010E+02 0.34313E-05
 0.14695E+02 0.17851E-05
 0.15380E+02 0.12538E-05
 0.16065E+02 0.10808E-05
 0.16750E+02 0.10249E-05
 0.17435E+02 0.10072E-05
 0.18120E+02 0.10020E-05
 0.18805E+02 0.10005E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.11638E+01
	0.30500E+00	0.95876E+00	
	0.61000E+00	0.91077E+00	
	0.91500E+00	0.85722E+00	
	0.12200E+01	0.79944E+00	
	0.15250E+01	0.73872E+00	
	0.18300E+01	0.67620E+00	
	0.21350E+01	0.61288E+00	
	0.24400E+01	0.54956E+00	
	0.27450E+01	0.48690E+00	
	0.30500E+01	0.42536E+00	
	0.37350E+01	0.30635E+00	

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.12418E+01
	0.30500E+00	0.96506E+00	
	0.61000E+00	0.92360E+00	
	0.91500E+00	0.87636E+00	
	0.12200E+01	0.82428E+00	
	0.15250E+01	0.76840E+00	
	0.18300E+01	0.70976E+00	
	0.21350E+01	0.64932E+00	
	0.24400E+01	0.58792E+00	
	0.27450E+01	0.52629E+00	
	0.30500E+01	0.46493E+00	
	0.37350E+01	0.34301E+00	

0.44200E+01 0.24191E+00
 0.51050E+01 0.16287E+00
 0.57900E+01 0.10438E+00
 0.64750E+01 0.63480E-01
 0.71600E+01 0.36533E-01
 0.78450E+01 0.19985E-01
 0.85300E+01 0.10172E-01
 0.92150E+01 0.49085E-02
 0.99000E+01 0.22301E-02
 0.10585E+02 0.95418E-03
 0.11270E+02 0.38503E-03
 0.11955E+02 0.14711E-03
 0.12640E+02 0.53746E-04
 0.13325E+02 0.19224E-04
 0.14010E+02 0.71104E-05
 0.14695E+02 0.30214E-05
 0.15380E+02 0.16675E-05
 0.16065E+02 0.12198E-05
 0.16750E+02 0.10713E-05
 0.17435E+02 0.10224E-05
 0.18120E+02 0.10068E-05
 0.18805E+02 0.10019E-05
 0.19490E+02 0.10005E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.28003E+00
 0.51050E+01 0.19457E+00
 0.57900E+01 0.12924E+00
 0.64750E+01 0.81871E-01
 0.71600E+01 0.49351E-01
 0.78450E+01 0.28246E-01
 0.85300E+01 0.15323E-01
 0.92150E+01 0.78687E-02
 0.99000E+01 0.38200E-02
 0.10585E+02 0.17553E-02
 0.11270E+02 0.76250E-03
 0.11955E+02 0.31379E-03
 0.12640E+02 0.12283E-03
 0.13325E+02 0.46187E-04
 0.14010E+02 0.17082E-04
 0.14695E+02 0.65565E-05
 0.15380E+02 0.28898E-05
 0.16065E+02 0.16390E-05
 0.16750E+02 0.12148E-05
 0.17435E+02 0.10712E-05
 0.18120E+02 0.10230E-05
 0.18805E+02 0.10072E-05
 0.19490E+02 0.10021E-05
 0.20175E+02 0.10006E-05
 0.20860E+02 0.10002E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.13328E+01
	0.30500E+00	0.97073E+00	
	0.61000E+00	0.93545E+00	
	0.91500E+00	0.89452E+00	
	0.12200E+01	0.84855E+00	
	0.15250E+01	0.79824E+00	
	0.18300E+01	0.74446E+00	
	0.21350E+01	0.68796E+00	
	0.24400E+01	0.62954E+00	
	0.27450E+01	0.56988E+00	
	0.30500E+01	0.50953E+00	
	0.37350E+01	0.38595E+00	

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.14365E+01
	0.30500E+00	0.97572E+00	
	0.61000E+00	0.94606E+00	
	0.91500E+00	0.91114E+00	
	0.12200E+01	0.87126E+00	
	0.15250E+01	0.82687E+00	
	0.18300E+01	0.77851E+00	
	0.21350E+01	0.72678E+00	
	0.24400E+01	0.67230E+00	
	0.27450E+01	0.61567E+00	
	0.30500E+01	0.55739E+00	
	0.37350E+01	0.43415E+00	

0.44200E+01 0.32450E+00
 0.51050E+01 0.22283E+00
 0.57900E+01 0.16022E+00
 0.64750E+01 0.10560E+00
 0.71600E+01 0.66544E-01
 0.78450E+01 0.40017E-01
 0.85300E+01 0.22928E-01
 0.92150E+01 0.12498E-01
 0.99000E+01 0.64751E-02
 0.10585E+02 0.31859E-02
 0.11270E+02 0.14883E-02
 0.11955E+02 0.66035E-03
 0.12640E+02 0.27869E-03
 0.13325E+02 0.11231E-03
 0.14010E+02 0.43612E-04
 0.14695E+02 0.16679E-04
 0.15380E+02 0.65984E-05
 0.16065E+02 0.29621E-05
 0.16750E+02 0.16809E-05
 0.17435E+02 0.12344E-05
 0.18120E+02 0.10795E-05
 0.18805E+02 0.10264E-05
 0.19490E+02 0.10085E-05
 0.20175E+02 0.10026E-05
 0.20860E+02 0.10008E-05
 0.21545E+02 0.10002E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.37456E+00
 0.51050E+01 0.27762E+00
 0.57900E+01 0.19788E+00
 0.64750E+01 0.13553E+00
 0.71600E+01 0.89095E-01
 0.78450E+01 0.56142E-01
 0.85300E+01 0.33865E-01
 0.92150E+01 0.19528E-01
 0.99000E+01 0.10752E-01
 0.10585E+02 0.56483E-02
 0.11270E+02 0.28288E-02
 0.11955E+02 0.13504E-02
 0.12640E+02 0.61467E-03
 0.13325E+02 0.26710E-03
 0.14010E+02 0.11118E-03
 0.14695E+02 0.44682E-04
 0.15380E+02 0.17666E-04
 0.16065E+02 0.71660E-05
 0.16750E+02 0.32329E-05
 0.17435E+02 0.17978E-05
 0.18120E+02 0.12820E-05
 0.18805E+02 0.10983E-05
 0.19490E+02 0.10336E-05
 0.20175E+02 0.10112E-05
 0.20860E+02 0.10036E-05
 0.21545E+02 0.10011E-05
 0.22230E+02 0.10003E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.15528E+01
	0.30500E+00	0.98003E+00	
	0.61000E+00	0.95536E+00	
	0.91500E+00	0.92594E+00	
	0.12200E+01	0.89186E+00	
	0.15250E+01	0.85331E+00	
	0.18300E+01	0.81062E+00	
	0.21350E+01	0.76417E+00	
	0.24400E+01	0.71438E+00	
	0.27450E+01	0.66171E+00	
	0.30500E+01	0.60656E+00	
	0.37350E+01	0.48612E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.16818E+01
	0.30500E+00	0.98369E+00	
	0.61000E+00	0.96336E+00	
	0.91500E+00	0.93885E+00	
	0.12200E+01	0.91008E+00	
	0.15250E+01	0.87799E+00	
	0.18300E+01	0.84001E+00	
	0.21350E+01	0.79902E+00	
	0.24400E+01	0.75438E+00	
	0.27450E+01	0.70635E+00	
	0.30500E+01	0.65522E+00	
	0.37350E+01	0.54003E+00	

0.44200E+01 0.42891E+00
 0.51050E+01 0.32837E+00
 0.57900E+01 0.24231E+00
 0.64750E+01 0.17225E+00
 0.71600E+01 0.11793E+00
 0.78450E+01 0.77688E-01
 0.85300E+01 0.49159E-01
 0.92150E+01 0.29872E-01
 0.99000E+01 0.17409E-01
 0.10585E+02 0.97215E-02
 0.11270E+02 0.51976E-02
 0.11955E+02 0.26591E-02
 0.12640E+02 0.13015E-02
 0.13325E+02 0.60953E-03
 0.14010E+02 0.27343E-03
 0.14695E+02 0.11782E-03
 0.15380E+02 0.49076E-04
 0.16065E+02 0.20062E-04
 0.16750E+02 0.83247E-05
 0.17435E+02 0.37483E-05
 0.18120E+02 0.20141E-05
 0.18805E+02 0.13693E-05
 0.19490E+02 0.11326E-05
 0.20175E+02 0.10467E-05
 0.20860E+02 0.10161E-05
 0.21545E+02 0.10054E-05
 0.22230E+02 0.10018E-05
 0.22915E+02 0.10005E-05
 0.23600E+02 0.10002E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.48584E+00
 0.51050E+01 0.38391E+00
 0.57900E+01 0.29306E+00
 0.64750E+01 0.21604E+00
 0.71600E+01 0.15375E+00
 0.78450E+01 0.10558E+00
 0.85300E+01 0.69912E-01
 0.92150E+01 0.44605E-01
 0.99000E+01 0.27398E-01
 0.10585E+02 0.16189E-01
 0.11270E+02 0.91955E-02
 0.11955E+02 0.50174E-02
 0.12640E+02 0.26286E-02
 0.13325E+02 0.13219E-02
 0.14010E+02 0.63824E-03
 0.14695E+02 0.29606E-03
 0.15380E+02 0.13222E-03
 0.16065E+02 0.57140E-04
 0.16750E+02 0.24168E-04
 0.17435E+02 0.10264E-04
 0.18120E+02 0.46102E-05
 0.18805E+02 0.23799E-05
 0.19490E+02 0.15194E-05
 0.20175E+02 0.11926E-05
 0.20860E+02 0.10702E-05
 0.21545E+02 0.10250E-05
 0.22230E+02 0.10087E-05
 0.22915E+02 0.10030E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.18234E+01
	0.3050E+00	0.98677E+00	
	0.6100E+00	0.97015E+00	
	0.9150E+00	0.94991E+00	
	0.1220E+01	0.92590E+00	
	0.1525E+01	0.89803E+00	
	0.1830E+01	0.86627E+00	
	0.2135E+01	0.83067E+00	
	0.2440E+01	0.79132E+00	
	0.2745E+01	0.74833E+00	
	0.3050E+01	0.70187E+00	
	0.3735E+01	0.59405E+00	

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19776E+01
	0.3050E+00	0.98934E+00	
	0.6100E+00	0.97585E+00	
	0.9150E+00	0.95928E+00	
	0.1220E+01	0.93943E+00	
	0.1525E+01	0.91614E+00	
	0.1830E+01	0.88929E+00	
	0.2135E+01	0.85881E+00	
	0.2440E+01	0.82466E+00	
	0.2745E+01	0.78684E+00	
	0.3050E+01	0.74538E+00	
	0.3735E+01	0.64653E+00	

0.44200E+01 0.54353E+00
 0.51050E+01 0.44265E+00
 0.57900E+01 0.34907E+00
 0.64750E+01 0.26646E+00
 0.71600E+01 0.19682E+00
 0.78450E+01 0.14063E+00
 0.85300E+01 0.97158E-01
 0.92150E+01 0.64872E-01
 0.99000E+01 0.41837E-01
 0.10585E+02 0.26044E-01
 0.11270E+02 0.15641E-01
 0.11955E+02 0.90554E-02
 0.12640E+02 0.50519E-02
 0.13325E+02 0.27145E-02
 0.14010E+02 0.14045E-02
 0.14695E+02 0.69981E-03
 0.15380E+02 0.33594E-03
 0.16065E+02 0.15561E-03
 0.16750E+02 0.69810E-04
 0.17435E+02 0.30581E-04
 0.18120E+02 0.13324E-04
 0.18805E+02 0.59978E-05
 0.19490E+02 0.29815E-05
 0.20175E+02 0.17736E-05
 0.20860E+02 0.12970E-05
 0.21545E+02 0.11121E-05
 0.22230E+02 0.10415E-05
 0.22915E+02 0.10150E-05
 0.23600E+02 0.10053E-05
 0.24285E+02 0.10018E-05
 0.24970E+02 0.10006E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.60023E+00
 0.51050E+01 0.50278E+00
 0.57900E+01 0.40884E+00
 0.64750E+01 0.32257E+00
 0.71600E+01 0.24683E+00
 0.78450E+01 0.18313E+00
 0.85300E+01 0.13168E+00
 0.92150E+01 0.91748E-01
 0.99000E+01 0.61912E-01
 0.10585E+02 0.40445E-01
 0.11270E+02 0.25567E-01
 0.11955E+02 0.15631E-01
 0.12640E+02 0.92378E-02
 0.13325E+02 0.52755E-02
 0.14010E+02 0.29100E-02
 0.14695E+02 0.15501E-02
 0.15380E+02 0.79736E-03
 0.16065E+02 0.39619E-03
 0.16750E+02 0.19036E-03
 0.17435E+02 0.88672E-04
 0.18120E+02 0.40271E-04
 0.18805E+02 0.18055E-04
 0.19490E+02 0.82073E-05
 0.20175E+02 0.39755E-05
 0.20860E+02 0.22051E-05
 0.21545E+02 0.14800E-05
 0.22230E+02 0.11880E-05
 0.22915E+02 0.10723E-05
 0.23600E+02 0.10272E-05
 0.24285E+02 0.10100E-05
 0.24970E+02 0.10036E-05
 0.25655E+02 0.10013E-05
 0.26340E+02 0.10004E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.21445E+01
	0.3050E+00	0.99145E+00	
	0.6100E+00	0.98058E+00	
	0.9150E+00	0.96712E+00	
	0.1220E+01	0.95086E+00	
	0.1525E+01	0.93160E+00	
	0.1830E+01	0.90915E+00	
	0.2135E+01	0.88338E+00	
	0.2440E+01	0.85416E+00	
	0.2745E+01	0.82141E+00	
	0.3050E+01	0.78505E+00	
	0.3735E+01	0.69614E+00	

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.10000E+01	0.23242E+01
	0.3050E+00	0.99315E+00	
	0.6100E+00	0.98447E+00	
	0.9150E+00	0.97362E+00	
	0.1220E+01	0.96041E+00	
	0.1525E+01	0.94462E+00	
	0.1830E+01	0.92605E+00	
	0.2135E+01	0.90452E+00	
	0.2440E+01	0.87985E+00	
	0.2745E+01	0.85188E+00	
	0.3050E+01	0.82048E+00	
	0.3735E+01	0.74194E+00	

0.44200E+01 0.65447E+00
 0.51050E+01 0.56249E+00
 0.57900E+01 0.47057E+00
 0.64750E+01 0.38290E+00
 0.71600E+01 0.30289E+00
 0.78450E+01 0.23281E+00
 0.85300E+01 0.17383E+00
 0.92150E+01 0.12604E+00
 0.99000E+01 0.88722E-01
 0.10585E+02 0.60611E-01
 0.11270E+02 0.40171E-01
 0.11955E+02 0.25821E-01
 0.12640E+02 0.16089E-01
 0.13325E+02 0.97155E-02
 0.14010E+02 0.56832E-02
 0.14695E+02 0.32195E-02
 0.15380E+02 0.17658E-02
 0.16065E+02 0.93764E-03
 0.16750E+02 0.48211E-03
 0.17435E+02 0.24019E-03
 0.18120E+02 0.11615E-03
 0.18805E+02 0.54722E-04
 0.19490E+02 0.25326E-04
 0.20175E+02 0.11716E-04
 0.20860E+02 0.56077E-05
 0.21545E+02 0.29406E-05
 0.22230E+02 0.18029E-05
 0.22915E+02 0.13267E-05
 0.23600E+02 0.11306E-05
 0.24285E+02 0.10512E-05
 0.24970E+02 0.10197E-05
 0.25655E+02 0.10074E-05
 0.26340E+02 0.10027E-05
 0.27025E+02 0.10010E-05
 0.27710E+02 0.10003E-05
 0.28395E+02 0.10001E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

```

.....
*
*
* POLLUTE SIMULATION
*
* ANALYSIS COMPLETED
*
* TIME - 11:35:47
* EXECUTION TIME 0: 2
*
*
.....
    
```

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE SHOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSURED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY.

```

#VAR Existing Expansion Area - ELISLM.IN
2
H 2 HOLAY :No. of Layers ARE ANY LAYERS FRACTURED?
0.018 0.36 0 1.91 3.05 5
0.018 0.41 0 1.69 27.4 40
2 MT - Top Boundary Code
4 MB - Base Boundary Code
H Is there Decay
Y Do you have an initial concentration profile?
7 Is there a variation in velocity within groups?
Number of groups of variable data
Time at which analysis starts
0 1 T(end), No. Time Steps, CO
5 5 0 DCO, DVa, DVb, DQc
0 0.00756 0 Va, alpha
0 0.9 0 T(end), No. Time Steps, CO
15 2 0 DCO, DVa, DVb, DQc
0.0378 0.9 0 Va, alpha
16 1 1 T(end), No. Time Steps, CO
0 0 0 DCO, DVa, DVb, DQc
0.0378 0.9 0 Va, alpha
19 3 1 T(end), No. Time Steps, CO
0 -0.0126 0 DCO, DVa, DVb, DQc
0.0378 0.9 0 Va, alpha
20 1 1 T(end), No. Time Steps, CO
0 0 0 DCO, DVa, DVb, DQc
0 0.9 0 Va, alpha
75 11 1 T(end), No. Time Steps, CO
0 0 0 DCO, DVa, DVb, DQc
0 0.9 0 Va, alpha
145 14 1 T(end), No. Time Steps, CO
0 0.0027 0 DCO, DVa, DVb, DQc
0 0.9 0 Va, alpha
Y Accept default TALBOT parameters?
H Limited number of depths for results
    
```

```

.....
*
*
* POLLUTE v 6 SIMULATION
*
* RUN DATE - 27- 8-***
* TIME - 11:37: 9
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
*
* LICENSED USER: Andrews Environmental Eng. Inc
*
.....
    
```

```

#VAR Existing Expansion Area - ELISLM.IN
.....
    
```

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	5	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

- | | | |
|------|-------------|------------------------|
| CODE | TOP | BOTTOM |
| 1 = | Zero Flux | Zero Flux |
| 2 = | C = Const. | C = Const2. |
| 3 = | Finite Mass | Fixed Outflow Velocity |
| 4 = | | Infinite Bottom Layer |

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

8	0.1500E+02	0.1500E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.3000E+02	0.0000E+00	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RJU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.61000E+00	0.13045E-02	
	0.12200E+01	0.12828E-09	
	0.18300E+01	0.10920E-14	
	0.24400E+01	0.12487E-18	
	0.30500E+01	0.53853E-24	
	0.37350E+01	0.76564E-31	
	0.44200E+01	0.10473E-35	
	0.51050E+01	0.12729E-41	
	0.57900E+01	0.42328E-48	
	0.64750E+01	0.00000E+00	
	0.71600E+01	0.00000E+00	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.11193E+00
	0.61000E+00	0.50281E-01	
	0.12200E+01	0.13750E-03	
	0.18300E+01	0.26094E-07	
	0.24400E+01	0.15485E-12	
	0.30500E+01	0.10920E-15	
	0.37350E+01	0.77253E-19	
	0.44200E+01	0.18481E-19	
	0.51050E+01	0.76184E-13	
	0.57900E+01	0.40654E-08	
	0.64750E+01	0.48269E-06	
	0.71600E+01	0.99476E-06	
	0.78450E+01	0.10000E-05	
	0.85300E+01	0.10000E-05	
	0.92150E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.00000E+00	0.10000E+01	0.17272E+00
	0.61000E+00	0.18054E+00	
	0.12200E+01	0.79561E-02	
	0.18300E+01	0.79433E-04	
	0.24400E+01	0.17390E-06	
	0.30500E+01	0.80040E-10	
	0.37350E+01	0.20297E-14	
	0.44200E+01	0.12072E-12	
	0.51050E+01	0.19516E-09	
	0.57900E+01	0.25549E-07	
	0.64750E+01	0.36471E-06	
	0.71600E+01	0.86623E-06	
	0.78450E+01	0.99450E-06	
	0.85300E+01	0.99998E-06	
	0.92150E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11955E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	

0.28395E+02 0.10000E-05
0.29080E+02 0.10000E-05
0.29765E+02 0.10000E-05
0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

R483

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.8545E+00
	0.61000E+00	0.88284E+00	
	0.12200E+01	0.72690E+00	
	0.18300E+01	0.55079E+00	
	0.24400E+01	0.37869E+00	
	0.30500E+01	0.26045E+00	
	0.37350E+01	0.11355E+00	
	0.44200E+01	0.48024E-01	
	0.51050E+01	0.17347E-01	
	0.57900E+01	0.53382E-02	
	0.64750E+01	0.13972E-02	
	0.71600E+01	0.31096E-03	
	0.78450E+01	0.59275E-04	
	0.85300E+01	0.10246E-04	
	0.92150E+01	0.21903E-05	
	0.99000E+01	0.10631E-05	
	0.10585E+02	0.95768E-06	
	0.11270E+02	0.97385E-06	
	0.11955E+02	0.98953E-06	
	0.12640E+02	0.99652E-06	
	0.13325E+02	0.99901E-06	
	0.14010E+02	0.99976E-06	
	0.14695E+02	0.99995E-06	
	0.15380E+02	0.99999E-06	
	0.16065E+02	0.10000E-05	
	0.16750E+02	0.10000E-05	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.90966E+00
	0.61000E+00	0.89000E+00	
	0.12200E+01	0.74384E+00	
	0.18300E+01	0.57690E+00	
	0.24400E+01	0.40932E+00	
	0.30500E+01	0.25950E+00	
	0.37350E+01	0.13563E+00	
	0.44200E+01	0.61623E-01	
	0.51050E+01	0.24211E-01	
	0.57900E+01	0.82002E-02	
	0.64750E+01	0.23898E-02	
	0.71600E+01	0.59889E-03	
	0.78450E+01	0.12950E-03	
	0.85300E+01	0.24806E-04	
	0.92150E+01	0.48484E-05	
	0.99000E+01	0.15163E-05	
	0.10585E+02	0.10212E-05	
	0.11270E+02	0.97526E-06	
	0.11955E+02	0.98568E-06	
	0.12640E+02	0.99441E-06	
	0.13325E+02	0.99819E-06	
	0.14010E+02	0.99949E-06	
	0.14695E+02	0.99987E-06	
	0.15380E+02	0.99997E-06	
	0.16065E+02	0.99999E-06	
	0.16750E+02	0.10000E-05	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.93938E+00
	0.61000E+00	0.89262E+00	
	0.12200E+01	0.75252E+00	
	0.18300E+01	0.59156E+00	
	0.24400E+01	0.42754E+00	
	0.30500E+01	0.27761E+00	
	0.37350E+01	0.15072E+00	
	0.44200E+01	0.71609E-01	
	0.51050E+01	0.29655E-01	
	0.57900E+01	0.10670E-01	
	0.64750E+01	0.33288E-02	
	0.71600E+01	0.89954E-03	
	0.78450E+01	0.21103E-03	
	0.85300E+01	0.43711E-04	
	0.92150E+01	0.87122E-05	
	0.99000E+01	0.22657E-05	
	0.10585E+02	0.11609E-05	
	0.11270E+02	0.99432E-06	
	0.11955E+02	0.98510E-06	
	0.12640E+02	0.99270E-06	
	0.13325E+02	0.99733E-06	
	0.14010E+02	0.99918E-06	
	0.14695E+02	0.99978E-06	
	0.15380E+02	0.99995E-06	
	0.16065E+02	0.99999E-06	
	0.16750E+02	0.10000E-05	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.30500E+01	0.28524E+00		
0.37350E+01	0.15831E+00		
0.44200E+01	0.77067E-01		
0.51050E+01	0.32843E-01		
0.57900E+01	0.12216E-01		
0.64750E+01	0.39569E-02		
0.71600E+01	0.11151E-02		
0.78450E+01	0.27389E-03		
0.85300E+01	0.59485E-04		
0.92150E+01	0.12235E-04		
0.99000E+01	0.30257E-05		
0.10585E+02	0.13293E-05		
0.11270E+02	0.10266E-05		
0.11955E+02	0.98845E-06		
0.12640E+02	0.99193E-06		
0.13325E+02	0.99668E-06		
0.14010E+02	0.99889E-06		
0.14695E+02	0.99968E-06		
0.15380E+02	0.99992E-06		
0.16065E+02	0.99998E-06		
0.16750E+02	0.10000E-05		
0.17435E+02	0.10000E-05		
0.18120E+02	0.10000E-05		
0.18805E+02	0.10000E-05		
0.19490E+02	0.10000E-05		
0.20175E+02	0.10000E-05		
0.20860E+02	0.10000E-05		
0.21545E+02	0.10000E-05		
0.22230E+02	0.10000E-05		
0.22915E+02	0.10000E-05		
0.23600E+02	0.10000E-05		
0.24285E+02	0.10000E-05		
0.24970E+02	0.10000E-05		
0.25655E+02	0.10000E-05		
0.26340E+02	0.10000E-05		
0.27025E+02	0.10000E-05		
0.27710E+02	0.10000E-05		
0.28395E+02	0.10000E-05		
0.29080E+02	0.10000E-05		
0.29765E+02	0.10000E-05		
0.30450E+02	0.10000E-05		

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.00000E+00	0.10000E+01	0.95486E+00
	0.61000E+00	0.89134E+00	
	0.12200E+01	0.75406E+00	
	0.18300E+01	0.59641E+00	
	0.24400E+01	0.43472E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.95606E+00
	0.61000E+00	0.88644E+00	
	0.12200E+01	0.74925E+00	
	0.18300E+01	0.59255E+00	
	0.24400E+01	0.43189E+00	
	0.30500E+01	0.28251E+00	
	0.37350E+01	0.15859E+00	
	0.44200E+01	0.77743E-01	
	0.51050E+01	0.33409E-01	
	0.57900E+01	0.12551E-01	

0.64750E+01 0.41134E-02
 0.71600E+01 0.11749E-02
 0.78450E+01 0.29309E-03
 0.85300E+01 0.64834E-04
 0.92150E+01 0.13621E-04
 0.99000E+01 0.33945E-05
 0.10585E+02 0.14334E-05
 0.11270E+02 0.10531E-05
 0.11955E+02 0.99301E-06
 0.12640E+02 0.99207E-06
 0.13325E+02 0.99640E-06
 0.14010E+02 0.99874E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.96230E+00
	0.61000E+00	0.87798E+00	
	0.12200E+01	0.74067E+00	
	0.18300E+01	0.58761E+00	
	0.24400E+01	0.43073E+00	
	0.30500E+01	0.28403E+00	
	0.37350E+01	0.16484E+00	
	0.44200E+01	0.83795E-01	
	0.51050E+01	0.37496E-01	
	0.57900E+01	0.16775E-01	
	0.64750E+01	0.51177E-02	
	0.71600E+01	0.15566E-02	
	0.78450E+01	0.41636E-03	
	0.85300E+01	0.98952E-04	
	0.92150E+01	0.21843E-04	

0.13325E+02 0.99637E-06
 0.14010E+02 0.99803E-06
 0.14695E+02 0.99756E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.10000E+01	0.97600E+00
	0.61000E+00	0.86711E+00	
	0.12200E+01	0.72727E+00	
	0.18300E+01	0.57867E+00	
	0.24400E+01	0.42855E+00	
	0.30500E+01	0.28886E+00	
	0.37350E+01	0.17522E+00	
	0.44200E+01	0.94786E-01	
	0.51050E+01	0.45601E-01	
	0.57900E+01	0.19519E-01	
	0.64750E+01	0.74343E-02	
	0.71600E+01	0.25186E-02	
	0.78450E+01	0.75934E-03	
	0.85300E+01	0.20478E-03	
	0.92150E+01	0.50424E-04	
	0.99000E+01	0.12148E-04	
	0.10585E+02	0.34535E-05	
	0.11270E+02	0.15388E-05	
	0.11955E+02	0.11057E-05	
	0.12640E+02	0.10136E-05	
	0.13325E+02	0.99840E-06	
	0.14010E+02	0.99800E-06	
	0.14695E+02	0.99906E-06	
	0.15380E+02	0.99967E-06	
	0.16065E+02	0.99990E-06	

0.99000E+01 0.51992E-05
 0.10585E+02 0.18306E-05
 0.11270E+02 0.11449E-05
 0.11955E+02 0.10117E-05
 0.12640E+02 0.99418E-06
 0.13325E+02 0.99597E-06
 0.14010E+02 0.99834E-06
 0.14695E+02 0.99945E-06
 0.15380E+02 0.99984E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.96899E+00
	0.61000E+00	0.87185E+00	
	0.12200E+01	0.73377E+00	
	0.18300E+01	0.58291E+00	
	0.24400E+01	0.42952E+00	
	0.30500E+01	0.28637E+00	
	0.37350E+01	0.17025E+00	
	0.44200E+01	0.89474E-01	
	0.51050E+01	0.41575E-01	
	0.57900E+01	0.17105E-01	
	0.64750E+01	0.62272E-02	
	0.71600E+01	0.20044E-02	
	0.78450E+01	0.57088E-03	
	0.85300E+01	0.14492E-03	
	0.92150E+01	0.33777E-04	
	0.99000E+01	0.79948E-05	
	0.10585E+02	0.24677E-05	
	0.11270E+02	0.12960E-05	
	0.11955E+02	0.10466E-05	
	0.12640E+02	0.10005E-05	

0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.98327E+00
	0.61000E+00	0.86332E+00	
	0.12200E+01	0.72217E+00	
	0.18300E+01	0.57499E+00	
	0.24400E+01	0.42783E+00	
	0.30500E+01	0.29134E+00	
	0.37350E+01	0.17987E+00	
	0.44200E+01	0.99793E-01	
	0.51050E+01	0.49544E-01	
	0.57900E+01	0.21993E-01	
	0.64750E+01	0.73084E-02	
	0.71600E+01	0.30987E-02	
	0.78450E+01	0.98390E-03	
	0.85300E+01	0.28051E-03	
	0.92150E+01	0.72860E-04	
	0.99000E+01	0.18095E-04	
	0.10585E+02	0.49288E-05	
	0.11270E+02	0.19036E-05	
	0.11955E+02	0.12002E-05	
	0.12640E+02	0.10368E-05	
	0.13325E+02	0.10031E-05	
	0.14010E+02	0.99856E-06	
	0.14695E+02	0.99896E-06	
	0.15380E+02	0.99957E-06	
	0.16065E+02	0.99985E-06	
	0.16750E+02	0.99996E-06	
	0.17435E+02	0.99999E-06	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	

0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.99074E+00
	0.61000E+00	0.86023E+00	
	0.12200E+01	0.71793E+00	
	0.18300E+01	0.57190E+00	
	0.24400E+01	0.42737E+00	
	0.30500E+01	0.29377E+00	
	0.37350E+01	0.18425E+00	
	0.44200E+01	0.10454E+00	
	0.51050E+01	0.53395E-01	
	0.57900E+01	0.24508E-01	
	0.64750E+01	0.10105E-01	
	0.71600E+01	0.37431E-02	
	0.78450E+01	0.12462E-02	
	0.85300E+01	0.37393E-03	
	0.92150E+01	0.10220E-03	
	0.99000E+01	0.26336E-04	
	0.10585E+02	0.70698E-05	
	0.11270E+02	0.24516E-05	
	0.11955E+02	0.13450E-05	
	0.12640E+02	0.10748E-05	
	0.13325E+02	0.10121E-05	
	0.14010E+02	0.10002E-05	
	0.14695E+02	0.99908E-06	
	0.15380E+02	0.99949E-06	
	0.16065E+02	0.99980E-06	
	0.16750E+02	0.99994E-06	
	0.17435E+02	0.99998E-06	
	0.18120E+02	0.99999E-06	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	

0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.10062E+01
	0.61000E+00	0.85558E+00	
	0.12200E+01	0.71148E+00	
	0.18300E+01	0.56729E+00	
	0.24400E+01	0.42715E+00	
	0.30500E+01	0.29848E+00	
	0.37350E+01	0.19233E+00	
	0.44200E+01	0.11338E+00	
	0.51050E+01	0.60815E-01	
	0.57900E+01	0.29572E-01	
	0.64750E+01	0.13052E-01	
	0.71600E+01	0.52141E-02	
	0.78450E+01	0.18875E-02	
	0.85300E+01	0.62020E-03	
	0.92150E+01	0.18610E-03	
	0.99000E+01	0.51947E-04	
	0.10585E+02	0.14235E-04	
	0.11270E+02	0.43765E-05	
	0.11955E+02	0.18710E-05	
	0.12640E+02	0.12218E-05	
	0.13325E+02	0.10517E-05	
	0.14010E+02	0.10097E-05	
	0.14695E+02	0.10009E-05	
	0.15380E+02	0.99964E-06	
	0.16065E+02	0.99973E-06	
	0.16750E+02	0.99989E-06	
	0.17435E+02	0.99996E-06	
	0.18120E+02	0.99999E-06	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.99838E+00
	0.61000E+00	0.85769E+00	
	0.12200E+01	0.71440E+00	
	0.18300E+01	0.56935E+00	
	0.24400E+01	0.42715E+00	
	0.30500E+01	0.29615E+00	
	0.37350E+01	0.18839E+00	
	0.44200E+01	0.10906E+00	
	0.51050E+01	0.57152E-01	
	0.57900E+01	0.27047E-01	
	0.64750E+01	0.11549E-01	
	0.71600E+01	0.44493E-02	
	0.78450E+01	0.15472E-02	
	0.85300E+01	0.48668E-03	
	0.92150E+01	0.13958E-03	
	0.99000E+01	0.37421E-04	
	0.10585E+02	0.10089E-04	
	0.11270E+02	0.32476E-05	
	0.11955E+02	0.15601E-05	
	0.12640E+02	0.11338E-05	
	0.13325E+02	0.10274E-05	
	0.14010E+02	0.10036E-05	
	0.14695E+02	0.99961E-06	
	0.15380E+02	0.99949E-06	
	0.16065E+02	0.99975E-06	
	0.16750E+02	0.99991E-06	
	0.17435E+02	0.99997E-06	
	0.18120E+02	0.99999E-06	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	

0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.10141E+01
	0.61000E+00	0.85384E+00	
	0.12200E+01	0.70908E+00	
	0.18300E+01	0.56567E+00	
	0.24400E+01	0.42736E+00	
	0.30500E+01	0.30078E+00	
	0.37350E+01	0.19609E+00	
	0.44200E+01	0.11751E+00	
	0.51050E+01	0.64385E-01	
	0.57900E+01	0.32149E-01	
	0.64750E+01	0.14605E-01	
	0.71600E+01	0.60398E-02	
	0.78450E+01	0.22670E-02	
	0.85300E+01	0.77568E-03	
	0.92150E+01	0.24284E-03	
	0.99000E+01	0.70538E-04	
	0.10585E+02	0.19790E-04	
	0.11270E+02	0.59423E-05	
	0.11955E+02	0.23109E-05	
	0.12640E+02	0.13493E-05	
	0.13325E+02	0.10885E-05	
	0.14010E+02	0.10196E-05	
	0.14695E+02	0.10032E-05	
	0.15380E+02	0.10001E-05	
	0.16065E+02	0.99976E-06	
	0.16750E+02	0.99987E-06	
	0.17435E+02	0.99995E-06	
	0.18120E+02	0.99998E-06	
	0.18805E+02	0.99999E-06	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
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INTO SOIL

0.6500E+02	0.0000E+00	0.1000E+01	0.10220E+01
0.6100E+00	0.8524E+00		
0.1220E+01	0.7071E+00		
0.1830E+01	0.5644E+00		
0.2440E+01	0.4277E+00		
0.3050E+01	0.3030E+00		
0.3735E+01	0.1997E+00		
0.4420E+01	0.1214E+00		
0.5105E+01	0.6786E-01		
0.5790E+01	0.3469E-01		
0.6475E+01	0.1620E-01		
0.7160E+01	0.6904E-02		
0.7845E+01	0.2652E-02		
0.8530E+01	0.9540E-03		
0.9215E+01	0.3108E-03		
0.9900E+01	0.9383E-04		
0.1058E+02	0.2706E-04		
0.1127E+02	0.8068E-05		
0.1195E+02	0.2921E-05		
0.1264E+02	0.1529E-05		
0.1332E+02	0.1142E-05		
0.1401E+02	0.1033E-05		
0.1469E+02	0.1007E-05		
0.1538E+02	0.1001E-05		
0.1606E+02	0.9991E-06		
0.1675E+02	0.9987E-06		
0.1743E+02	0.9994E-06		
0.1812E+02	0.9998E-06		
0.1880E+02	0.9999E-06		
0.1949E+02	0.1000E-05		
0.2017E+02	0.1000E-05		
0.2086E+02	0.1000E-05		
0.2154E+02	0.1000E-05		
0.2223E+02	0.1000E-05		
0.2291E+02	0.1000E-05		
0.2360E+02	0.1000E-05		
0.2428E+02	0.1000E-05		
0.2497E+02	0.1000E-05		
0.2565E+02	0.1000E-05		
0.2634E+02	0.1000E-05		
0.2702E+02	0.1000E-05		
0.2771E+02	0.1000E-05		
0.2839E+02	0.1000E-05		
0.2908E+02	0.1000E-05		
0.2976E+02	0.1000E-05		
0.3045E+02	0.1000E-05		

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.1000E+01	0.10301E+01
	0.6100E+00	0.8512E+00	
	0.1220E+01	0.7055E+00	

0.5105E+01	0.7457E-01		
0.5790E+01	0.3975E-01		
0.6475E+01	0.1949E-01		
0.7160E+01	0.8783E-02		
0.7845E+01	0.3634E-02		
0.8530E+01	0.1382E-02		
0.9215E+01	0.4839E-03		
0.9900E+01	0.1571E-03		
0.1058E+02	0.4814E-04		
0.1127E+02	0.1459E-04		
0.1195E+02	0.4869E-05		
0.1264E+02	0.2117E-05		
0.1332E+02	0.1325E-05		
0.1401E+02	0.1091E-05		
0.1469E+02	0.1023E-05		
0.1538E+02	0.1005E-05		
0.1606E+02	0.1000E-05		
0.1675E+02	0.1000E-05		
0.1743E+02	0.9999E-06		
0.1812E+02	0.9996E-06		
0.1880E+02	0.9999E-06		
0.1949E+02	0.9999E-06		
0.2017E+02	0.1000E-05		
0.2086E+02	0.1000E-05		
0.2154E+02	0.1000E-05		
0.2223E+02	0.1000E-05		
0.2291E+02	0.1000E-05		
0.2360E+02	0.1000E-05		
0.2428E+02	0.1000E-05		
0.2497E+02	0.1000E-05		
0.2565E+02	0.1000E-05		
0.2634E+02	0.1000E-05		
0.2702E+02	0.1000E-05		
0.2771E+02	0.1000E-05		
0.2839E+02	0.1000E-05		
0.2908E+02	0.1000E-05		
0.2976E+02	0.1000E-05		
0.3045E+02	0.1000E-05		

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.1000E+01	0.10464E+01
	0.6100E+00	0.8495E+00	
	0.1220E+01	0.7034E+00	
	0.1830E+01	0.5626E+00	
	0.2440E+01	0.4299E+00	
	0.3050E+01	0.3098E+00	
	0.3735E+01	0.2097E+00	
	0.4420E+01	0.1325E+00	
	0.5105E+01	0.7781E-01	
	0.5790E+01	0.4225E-01	
	0.6475E+01	0.2117E-01	
	0.7160E+01	0.9783E-02	
	0.7845E+01	0.4163E-02	

0.1830E+01	0.5635E+00		
0.2440E+01	0.4283E+00		
0.3050E+01	0.3051E+00		
0.3735E+01	0.2031E+00		
0.4420E+01	0.1253E+00		
0.5105E+01	0.7126E-01		
0.5790E+01	0.3723E-01		
0.6475E+01	0.1783E-01		
0.7160E+01	0.7822E-02		
0.7845E+01	0.3141E-02		
0.8530E+01	0.1156E-02		
0.9215E+01	0.3909E-03		
0.9900E+01	0.1224E-03		
0.1058E+02	0.3639E-04		
0.1127E+02	0.1089E-04		
0.1195E+02	0.3753E-05		
0.1264E+02	0.1778E-05		
0.1332E+02	0.1218E-05		
0.1401E+02	0.1058E-05		
0.1469E+02	0.1013E-05		
0.1538E+02	0.1002E-05		
0.1606E+02	0.1000E-05		
0.1675E+02	0.9999E-06		
0.1743E+02	0.9999E-06		
0.1812E+02	0.9999E-06		
0.1880E+02	0.9999E-06		
0.1949E+02	0.1000E-05		
0.2017E+02	0.1000E-05		
0.2086E+02	0.1000E-05		
0.2154E+02	0.1000E-05		
0.2223E+02	0.1000E-05		
0.2291E+02	0.1000E-05		
0.2360E+02	0.1000E-05		
0.2428E+02	0.1000E-05		
0.2497E+02	0.1000E-05		
0.2565E+02	0.1000E-05		
0.2634E+02	0.1000E-05		
0.2702E+02	0.1000E-05		
0.2771E+02	0.1000E-05		
0.2839E+02	0.1000E-05		
0.2908E+02	0.1000E-05		
0.2976E+02	0.1000E-05		
0.3045E+02	0.1000E-05		

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.1000E+01	0.10382E+01
	0.6100E+00	0.8502E+00	
	0.1220E+01	0.7043E+00	
	0.1830E+01	0.5629E+00	
	0.2440E+01	0.4290E+00	
	0.3050E+01	0.3075E+00	
	0.3735E+01	0.2065E+00	
	0.4420E+01	0.1290E+00	

0.8530E+01	0.1632E-02		
0.9215E+01	0.5907E-03		
0.9900E+01	0.1983E-03		
0.1058E+02	0.6266E-04		
0.1127E+02	0.1933E-04		
0.1195E+02	0.6340E-05		
0.1264E+02	0.2571E-05		
0.1332E+02	0.1469E-05		
0.1401E+02	0.1137E-05		
0.1469E+02	0.1038E-05		
0.1538E+02	0.1009E-05		
0.1606E+02	0.1001E-05		
0.1675E+02	0.1000E-05		
0.1743E+02	0.9998E-06		
0.1812E+02	0.9996E-06		
0.1880E+02	0.9998E-06		
0.1949E+02	0.9999E-06		
0.2017E+02	0.1000E-05		
0.2086E+02	0.1000E-05		
0.2154E+02	0.1000E-05		
0.2223E+02	0.1000E-05		
0.2291E+02	0.1000E-05		
0.2360E+02	0.1000E-05		
0.2428E+02	0.1000E-05		
0.2497E+02	0.1000E-05		
0.2565E+02	0.1000E-05		
0.2634E+02	0.1000E-05		
0.2702E+02	0.1000E-05		
0.2771E+02	0.1000E-05		
0.2839E+02	0.1000E-05		
0.2908E+02	0.1000E-05		
0.2976E+02	0.1000E-05		
0.3045E+02	0.1000E-05		

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.1000E+01	0.10703E+01
	0.6100E+00	0.8574E+00	
	0.1220E+01	0.7120E+00	
	0.1830E+01	0.5716E+00	
	0.2440E+01	0.4398E+00	
	0.3050E+01	0.3260E+00	
	0.3735E+01	0.2187E+00	
	0.4420E+01	0.1406E+00	
	0.5105E+01	0.8436E-01	
	0.5790E+01	0.4703E-01	
	0.6475E+01	0.2430E-01	
	0.7160E+01	0.1162E-01	
	0.7845E+01	0.5136E-02	
	0.8530E+01	0.2099E-02	
	0.9215E+01	0.7941E-03	
	0.9900E+01	0.2790E-03	
	0.1058E+02	0.9196E-04	
	0.1127E+02	0.2914E-04	

0.11955E+02 0.94341E-05
 0.12640E+02 0.35225E-05
 0.13325E+02 0.17661E-05
 0.14010E+02 0.13009E-05
 0.14695E+02 0.10683E-05
 0.15380E+02 0.10186E-05
 0.16065E+02 0.10045E-05
 0.16750E+02 0.10009E-05
 0.17435E+02 0.10001E-05
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.15380E+02 0.10397E-05
 0.16065E+02 0.10109E-05
 0.16750E+02 0.10027E-05
 0.17435E+02 0.10005E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.11091E+01
0.61000E+00	0.87045E+00		
0.12200E+01	0.72300E+00		
0.18300E+01	0.58999E+00		
0.24400E+01	0.45867E+00		
0.30500E+01	0.33904E+00		
0.37350E+01	0.23406E+00		
0.44200E+01	0.15332E+00		
0.51050E+01	0.94429E-01		
0.57900E+01	0.54352E-01		
0.64750E+01	0.29139E-01		
0.71600E+01	0.14523E-01		
0.78450E+01	0.67214E-02		
0.85300E+01	0.28874E-02		
0.92150E+01	0.11519E-02		
0.99000E+01	0.42769E-03		
0.10585E+02	0.14865E-03		
0.11270E+02	0.49102E-04		
0.11955E+02	0.15996E-04		
0.12640E+02	0.55868E-05		
0.13325E+02	0.24106E-05		
0.14010E+02	0.14384E-05		
0.14695E+02	0.11349E-05		

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.11620E+01
0.61000E+00	0.88526E+00		
0.12200E+01	0.75259E+00		
0.18300E+01	0.61655E+00		
0.24400E+01	0.48580E+00		
0.30500E+01	0.36495E+00		
0.37350E+01	0.25599E+00		
0.44200E+01	0.17119E+00		
0.51050E+01	0.10843E+00		
0.57900E+01	0.64625E-01		
0.64750E+01	0.36092E-01		
0.71600E+01	0.18838E-01		
0.78450E+01	0.91745E-02		
0.85300E+01	0.41663E-02		
0.92150E+01	0.17640E-02		
0.99000E+01	0.69703E-03		
0.10585E+02	0.25788E-03		
0.11270E+02	0.90055E-04		
0.11955E+02	0.30290E-04		
0.12640E+02	0.10298E-04		
0.13325E+02	0.39148E-05		
0.14010E+02	0.19189E-05		
0.14695E+02	0.12909E-05		
0.15380E+02	0.10906E-05		
0.16065E+02	0.10270E-05		
0.16750E+02	0.10075E-05		
0.17435E+02	0.10019E-05		
0.18120E+02	0.10004E-05		

0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.13081E+01
0.61000E+00	0.91489E+00		
0.12200E+01	0.80662E+00		
0.18300E+01	0.68543E+00		
0.24400E+01	0.56048E+00		
0.30500E+01	0.43823E+00		
0.37350E+01	0.32043E+00		
0.44200E+01	0.22477E+00		
0.51050E+01	0.15086E+00		
0.57900E+01	0.96513E-01		
0.64750E+01	0.58620E-01		
0.71600E+01	0.33688E-01		
0.78450E+01	0.18271E-01		
0.85300E+01	0.93359E-02		
0.92150E+01	0.44894E-02		
0.99000E+01	0.20309E-02		
0.10585E+02	0.86464E-03		
0.11270E+02	0.34702E-03		
0.11955E+02	0.13188E-03		
0.12640E+02	0.47981E-04		
0.13325E+02	0.17153E-04		
0.14010E+02	0.63970E-05		
0.14695E+02	0.27815E-05		
0.15380E+02	0.15872E-05		
0.16065E+02	0.11927E-05		
0.16750E+02	0.10622E-05		
0.17435E+02	0.10194E-05		
0.18120E+02	0.10058E-05		
0.18805E+02	0.10016E-05		
0.19490E+02	0.10004E-05		
0.20175E+02	0.10001E-05		
0.20860E+02	0.10000E-05		
0.21545E+02	0.10000E-05		

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.12285E+01
0.61000E+00	0.90040E+00		
0.12200E+01	0.77913E+00		
0.18300E+01	0.64921E+00		
0.24400E+01	0.52030E+00		
0.30500E+01	0.39821E+00		
0.37350E+01	0.28469E+00		
0.44200E+01	0.19481E+00		
0.51050E+01	0.12698E+00		
0.57900E+01	0.78430E-01		
0.64750E+01	0.45692E-01		
0.71600E+01	0.25028E-01		
0.78450E+01	0.12861E-01		
0.85300E+01	0.61931E-02		
0.92150E+01	0.27929E-02		
0.99000E+01	0.11798E-02		
0.10585E+02	0.46751E-03		
0.11270E+02	0.17448E-03		
0.11955E+02	0.61942E-04		
0.12640E+02	0.21428E-04		
0.13325E+02	0.76409E-05		
0.14010E+02	0.31356E-05		
0.14695E+02	0.16885E-05		
0.15380E+02	0.12218E-05		
0.16065E+02	0.10702E-05		
0.16750E+02	0.10214E-05		
0.17435E+02	0.10061E-05		
0.18120E+02	0.10016E-05		
0.18805E+02	0.10004E-05		
0.19490E+02	0.10001E-05		
0.20175E+02	0.10000E-05		
0.20860E+02	0.10000E-05		
0.21545E+02	0.10000E-05		

0.25655E+02 0.10000E-05
0.26340E+02 0.10000E-05
0.27025E+02 0.10000E-05
0.27710E+02 0.10000E-05
0.28395E+02 0.10000E-05
0.29080E+02 0.10000E-05
0.29765E+02 0.10000E-05
0.30450E+02 0.10000E-05

0.29080E+02 0.10000E-05
0.29765E+02 0.10000E-05
0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.15056E+01
	0.61000E+00	0.94007E+00	
	0.12200E+01	0.85840E+00	
	0.18300E+01	0.75956E+00	
	0.24400E+01	0.64927E+00	
	0.30500E+01	0.53291E+00	
	0.37350E+01	0.41109E+00	
	0.44200E+01	0.30489E+00	
	0.51050E+01	0.21744E+00	
	0.57900E+01	0.14898E+00	
	0.64750E+01	0.97885E-01	
	0.71600E+01	0.61545E-01	
	0.78450E+01	0.36946E-01	
	0.85300E+01	0.21132E-01	
	0.92150E+01	0.11498E-01	
	0.99000E+01	0.59426E-02	
	0.10585E+02	0.29156E-02	
	0.11270E+02	0.13574E-02	
	0.11955E+02	0.59999E-03	
	0.12640E+02	0.25219E-03	
	0.13325E+02	0.10123E-03	
	0.14010E+02	0.39200E-04	
	0.14695E+02	0.14999E-04	
	0.15380E+02	0.59826E-05	
	0.16065E+02	0.27421E-05	
	0.16750E+02	0.16033E-05	
	0.17435E+02	0.12070E-05	
	0.18120E+02	0.10700E-05	
	0.18805E+02	0.10231E-05	
	0.19490E+02	0.10074E-05	
	0.20175E+02	0.10023E-05	
	0.20860E+02	0.10007E-05	
	0.21545E+02	0.10002E-05	
	0.22230E+02	0.10002E-05	
	0.22915E+02	0.10002E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.14005E+01
	0.61000E+00	0.92820E+00	
	0.12200E+01	0.83340E+00	
	0.18300E+01	0.72285E+00	
	0.24400E+01	0.60420E+00	
	0.30500E+01	0.48373E+00	
	0.37350E+01	0.36286E+00	
	0.44200E+01	0.26148E+00	
	0.51050E+01	0.18083E+00	
	0.57900E+01	0.11974E+00	
	0.64750E+01	0.75703E-01	
	0.71600E+01	0.45563E-01	
	0.78450E+01	0.26036E-01	
	0.85300E+01	0.14096E-01	
	0.92150E+01	0.72205E-02	
	0.99000E+01	0.34959E-02	
	0.10585E+02	0.15994E-02	
	0.11270E+02	0.69173E-03	
	0.11955E+02	0.28332E-03	
	0.12640E+02	0.11040E-03	
	0.13325E+02	0.41371E-04	
	0.14010E+02	0.15305E-04	
	0.14695E+02	0.59260E-05	
	0.15380E+02	0.26716E-05	
	0.16065E+02	0.15640E-05	
	0.16750E+02	0.11890E-05	
	0.17435E+02	0.10623E-05	
	0.18120E+02	0.10200E-05	
	0.18805E+02	0.10062E-05	
	0.19490E+02	0.10018E-05	
	0.20175E+02	0.10005E-05	
	0.20860E+02	0.10001E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.16231E+01
	0.61000E+00	0.95044E+00	
	0.12200E+01	0.88104E+00	
	0.18300E+01	0.79421E+00	
	0.24400E+01	0.69376E+00	
	0.30500E+01	0.58376E+00	
	0.37350E+01	0.46356E+00	
	0.44200E+01	0.35435E+00	
	0.51050E+01	0.26086E+00	
	0.57900E+01	0.18491E+00	
	0.64750E+01	0.12611E+00	
	0.71600E+01	0.82638E-01	
	0.78450E+01	0.51950E-01	
	0.85300E+01	0.31275E-01	
	0.92150E+01	0.18002E-01	
	0.99000E+01	0.98939E-02	
	0.10585E+02	0.51861E-02	
	0.11270E+02	0.25909E-02	
	0.11955E+02	0.12332E-02	
	0.12640E+02	0.55949E-03	
	0.13325E+02	0.24227E-03	
	0.14010E+02	0.10050E-03	
	0.14695E+02	0.40295E-04	
	0.15380E+02	0.15938E-04	
	0.16065E+02	0.65098E-05	
	0.16750E+02	0.29905E-05	
	0.17435E+02	0.17097E-05	
	0.18120E+02	0.12502E-05	
	0.18805E+02	0.10869E-05	
	0.19490E+02	0.10295E-05	
	0.20175E+02	0.10098E-05	
	0.20860E+02	0.10031E-05	
	0.21545E+02	0.10010E-05	
	0.22230E+02	0.10003E-05	
	0.22915E+02	0.10001E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

0.61000E+00 0.95934E+00
0.12200E+01 0.90106E+00
0.18300E+01 0.82596E+00
0.24400E+01 0.73617E+00
0.30500E+01 0.63437E+00
0.37350E+01 0.51845E+00
0.44200E+01 0.40860E+00
0.51050E+01 0.31063E+00
0.57900E+01 0.22781E+00
0.64750E+01 0.16113E+00
0.71600E+01 0.10984E+00
0.78450E+01 0.72105E-01
0.85300E+01 0.45522E-01
0.92150E+01 0.27604E-01
0.99000E+01 0.16057E-01
0.10585E+02 0.89500E-02
0.11270E+02 0.47756E-02
0.11955E+02 0.24378E-02
0.12640E+02 0.11902E-02
0.13325E+02 0.55583E-03
0.14010E+02 0.24861E-03
0.14695E+02 0.10681E-03
0.15380E+02 0.44396E-04
0.16065E+02 0.18150E-04
0.16750E+02 0.75712E-05
0.17435E+02 0.34598E-05
0.18120E+02 0.19058E-05
0.18805E+02 0.13291E-05
0.19490E+02 0.11178E-05
0.20175E+02 0.10413E-05
0.20860E+02 0.10142E-05
0.21545E+02 0.10047E-05
0.22230E+02 0.10015E-05
0.22915E+02 0.10005E-05
0.23600E+02 0.10001E-05
0.24285E+02 0.10000E-05
0.24970E+02 0.10000E-05
0.25655E+02 0.10000E-05
0.26340E+02 0.10000E-05
0.27025E+02 0.10000E-05
0.27710E+02 0.10000E-05
0.28395E+02 0.10000E-05
0.29080E+02 0.10000E-05
0.29765E+02 0.10000E-05
0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.18957E+01
	0.61000E+00	0.96689E+00	
	0.12200E+01	0.91843E+00	
	0.18300E+01	0.85437E+00	
	0.24400E+01	0.77547E+00	
	0.30500E+01	0.68312E+00	

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.17532E+01

0.37350E+01 0.57383E+00
 0.44200E+01 0.46594E+00
 0.51050E+01 0.36566E+00
 0.57900E+01 0.27735E+00
 0.64750E+01 0.20330E+00
 0.71600E+01 0.14397E+00
 0.78450E+01 0.98464E-01
 0.85300E+01 0.64982E-01
 0.92150E+01 0.41347E-01
 0.99000E+01 0.25341E-01
 0.10585E+02 0.14944E-01
 0.11270E+02 0.84725E-02
 0.11955E+02 0.46142E-02
 0.12640E+02 0.24125E-02
 0.13325E+02 0.12106E-02
 0.14010E+02 0.58209E-03
 0.14695E+02 0.26979E-03
 0.15380E+02 0.12019E-03
 0.16065E+02 0.51842E-04
 0.16750E+02 0.21921E-04
 0.17435E+02 0.93428E-05
 0.18120E+02 0.42440E-05
 0.18805E+02 0.22375E-05
 0.19490E+02 0.14649E-05
 0.20175E+02 0.11719E-05
 0.20860E+02 0.10624E-05
 0.21545E+02 0.10222E-05
 0.22230E+02 0.10077E-05
 0.22915E+02 0.10026E-05
 0.23600E+02 0.10008E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.20507E+01
	0.61000E+00	0.97321E+00	
	0.12200E+01	0.93330E+00	
	0.18300E+01	0.87931E+00	
	0.24400E+01	0.81103E+00	
	0.30500E+01	0.72880E+00	
	0.37350E+01	0.62797E+00	
	0.44200E+01	0.52450E+00	
	0.51050E+01	0.42440E+00	
	0.57900E+01	0.33259E+00	
	0.64750E+01	0.25239E+00	

0.10585E+02 0.37601E-01
 0.11270E+02 0.23709E-01
 0.11955E+02 0.14463E-01
 0.12640E+02 0.85311E-02
 0.13325E+02 0.48630E-02
 0.14010E+02 0.26777E-02
 0.14695E+02 0.14238E-02
 0.15380E+02 0.73102E-03
 0.16065E+02 0.36254E-03
 0.16750E+02 0.17387E-03
 0.17435E+02 0.80857E-04
 0.18120E+02 0.36690E-04
 0.18805E+02 0.16468E-04
 0.19490E+02 0.75232E-05
 0.20175E+02 0.36804E-05
 0.20860E+02 0.20871E-05
 0.21545E+02 0.14322E-05
 0.22230E+02 0.11690E-05
 0.22915E+02 0.10648E-05
 0.23600E+02 0.10243E-05
 0.24285E+02 0.10089E-05
 0.24970E+02 0.10032E-05
 0.25655E+02 0.10011E-05
 0.26340E+02 0.10004E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.00000E+00	0.10000E+01	0.23986E+01
	0.61000E+00	0.98277E+00	
	0.12200E+01	0.95635E+00	
	0.18300E+01	0.91923E+00	
	0.24400E+01	0.87014E+00	
	0.30500E+01	0.80080E+00	
	0.37350E+01	0.72714E+00	
	0.44200E+01	0.63818E+00	
	0.51050E+01	0.54561E+00	
	0.57900E+01	0.45399E+00	
	0.64750E+01	0.36742E+00	
	0.71600E+01	0.28910E+00	
	0.78450E+01	0.22109E+00	
	0.85300E+01	0.16430E+00	
	0.92150E+01	0.11862E+00	
	0.99000E+01	0.83172E-01	
	0.10585E+02	0.56624E-01	
	0.11270E+02	0.37416E-01	
	0.11955E+02	0.23986E-01	
	0.12640E+02	0.14912E-01	
	0.13325E+02	0.89860E-02	

0.71600E+01 0.18544E+00
 0.78450E+01 0.13188E+00
 0.85300E+01 0.90745E-01
 0.92150E+01 0.60385E-01
 0.99000E+01 0.38833E-01
 0.10585E+02 0.24117E-01
 0.11270E+02 0.14453E-01
 0.11955E+02 0.83520E-02
 0.12640E+02 0.46509E-02
 0.13325E+02 0.24945E-02
 0.14010E+02 0.12881E-02
 0.14695E+02 0.64048E-03
 0.15380E+02 0.30679E-03
 0.16065E+02 0.14181E-03
 0.16750E+02 0.63504E-04
 0.17435E+02 0.27802E-04
 0.18120E+02 0.12139E-04
 0.18805E+02 0.55077E-05
 0.19490E+02 0.27857E-05
 0.20175E+02 0.16952E-05
 0.20860E+02 0.12664E-05
 0.21545E+02 0.11003E-05
 0.22230E+02 0.10370E-05
 0.22915E+02 0.10133E-05
 0.23600E+02 0.10047E-05
 0.24285E+02 0.10016E-05
 0.24970E+02 0.10005E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.22183E+01
	0.61000E+00	0.97845E+00	
	0.12200E+01	0.94586E+00	
	0.18300E+01	0.90086E+00	
	0.24400E+01	0.84260E+00	
	0.30500E+01	0.77059E+00	
	0.37350E+01	0.67943E+00	
	0.44200E+01	0.58244E+00	
	0.51050E+01	0.48501E+00	
	0.57900E+01	0.39207E+00	
	0.64750E+01	0.30756E+00	
	0.71600E+01	0.23407E+00	
	0.78450E+01	0.17279E+00	
	0.85300E+01	0.12370E+00	
	0.92150E+01	0.85841E-01	
	0.99000E+01	0.57728E-01	

0.14010E+02 0.52466E-02
 0.14695E+02 0.29669E-02
 0.15380E+02 0.16245E-02
 0.16065E+02 0.86111E-03
 0.16750E+02 0.44200E-03
 0.17435E+02 0.21984E-03
 0.18120E+02 0.10615E-03
 0.18805E+02 0.49950E-04
 0.19490E+02 0.23127E-04
 0.20175E+02 0.10730E-04
 0.20860E+02 0.51770E-05
 0.21545E+02 0.27567E-05
 0.22230E+02 0.17258E-05
 0.22915E+02 0.12948E-05
 0.23600E+02 0.11176E-05
 0.24285E+02 0.10460E-05
 0.24970E+02 0.10176E-05
 0.25655E+02 0.10066E-05
 0.26340E+02 0.10024E-05
 0.27025E+02 0.10009E-05
 0.27710E+02 0.10003E-05
 0.28395E+02 0.10001E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

NOTICE

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POLLUTE SIMULATION

ANALYSIS COMPLETED

TIME 11:37:11
EXECUTION TIME 0: 2

#VAR Existing Expansion Area - ELISLAK.IH
#MOLAY :No. of Layers

R490

ARE ANY LAYERS FRACTURED?
 2 0.018 0.36 0 1.91 3.05 20
 2 0.018 0.41 0 1.69 27.4 40

4 MT - Top Boundary Code
 4 MB - Base Boundary Code

Is there Decay
 H Do you have an initial concentration profile?
 H Is there a variation in velocity within groups?
 Y Number of groups of variable data
 7 Time at which analysis starts

0	5	5	1	0	T(end), No. Time Steps, CO
0	0	0.00756	0	0	DCO, DVa, DVb, DQc
0	0	0.9	0	0	Va, alpha
15	2	1	1	0	T(end), No. Time Steps, CO
0	0	0	0	0	DCO, DVa, DVb, DQc
0.0378	0	0.9	0	0	Va, alpha
16	1	1	1	0	T(end), No. Time Steps, CO
0	0	0	0	0	DCO, DVa, DVb, DQc
0.0378	0	0.9	0	0	Va, alpha
19	3	1	1	0	T(end), No. Time Steps, CO
0	0	-0.0126	0	0	DCO, DVa, DVb, DQc
0.0378	0	0.9	0	0	Va, alpha
20	1	1	1	0	T(end), No. Time Steps, CO
0	0	0	0	0	DCO, DVa, DVb, DQc
0	0	0.9	0	0	Va, alpha
75	11	1	1	0	T(end), No. Time Steps, CO
0	0	0	0	0	DCO, DVa, DVb, DQc
0	0	0.9	0	0	Va, alpha
145	14	1	1	0	T(end), No. Time Steps, CO
0	0	0.0027	0	0	DCO, DVa, DVb, DQc
0	0	0.9	0	0	Va, alpha

Y Accept default TALBOT parameters?
 H Limited number of depths for results

POLLUTEV6 SIMULATION

RUN DATE - 27- 8-88
TIME - 11:39: 3

REVISION - 1994/03/01

VERSION 6.0.2

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LICENSED USER: Andrews Environmental Eng. Inc

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

#VAR Existing Expansion Area - ELISLAK.IH

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	20	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

8 0.1500E+02 0.1600E+02 0.3780E-01 0.9000E+00
 9 0.1600E+02 0.1700E+02 0.3780E-01 0.9000E+00
 10 0.1700E+02 0.1800E+02 0.2520E-01 0.9000E+00
 11 0.1800E+02 0.1900E+02 0.1260E-01 0.9000E+00
 12 0.1900E+02 0.2000E+02 0.0000E+00 0.9000E+00
 13 0.2000E+02 0.2500E+02 0.0000E+00 0.9000E+00
 14 0.2500E+02 0.3000E+02 0.0000E+00 0.9000E+00
 15 0.3000E+02 0.3500E+02 0.0000E+00 0.9000E+00
 16 0.3500E+02 0.4000E+02 0.0000E+00 0.9000E+00
 17 0.4000E+02 0.4500E+02 0.0000E+00 0.9000E+00
 18 0.4500E+02 0.5000E+02 0.0000E+00 0.9000E+00
 19 0.5000E+02 0.5500E+02 0.0000E+00 0.9000E+00
 20 0.5500E+02 0.6000E+02 0.0000E+00 0.9000E+00
 21 0.6000E+02 0.6500E+02 0.0000E+00 0.9000E+00
 22 0.6500E+02 0.7000E+02 0.0000E+00 0.9000E+00
 23 0.7000E+02 0.7500E+02 0.0000E+00 0.9000E+00
 24 0.7500E+02 0.8000E+02 0.0000E+00 0.9000E+00
 25 0.8000E+02 0.8500E+02 0.2700E-02 0.9000E+00
 26 0.8500E+02 0.9000E+02 0.5400E-02 0.9000E+00
 27 0.9000E+02 0.9500E+02 0.8100E-02 0.9000E+00
 28 0.9500E+02 0.1000E+03 0.1080E-01 0.9000E+00
 29 0.1000E+03 0.1050E+03 0.1350E-01 0.9000E+00
 30 0.1050E+03 0.1100E+03 0.1620E-01 0.9000E+00
 31 0.1100E+03 0.1150E+03 0.1890E-01 0.9000E+00
 32 0.1150E+03 0.1200E+03 0.2160E-01 0.9000E+00
 33 0.1200E+03 0.1250E+03 0.2430E-01 0.9000E+00
 34 0.1250E+03 0.1300E+03 0.2700E-01 0.9000E+00
 35 0.1300E+03 0.1350E+03 0.2970E-01 0.9000E+00
 36 0.1350E+03 0.1400E+03 0.3240E-01 0.9000E+00
 37 0.1400E+03 0.1450E+03 0.3510E-01 0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.15250E+00	0.42154E+00	
	0.30500E+00	0.10795E+00	
	0.45750E+00	0.15899E-01	
	0.61000E+00	0.13045E-02	
	0.76250E+00	0.58513E-04	
	0.91500E+00	0.14179E-05	
	0.10675E+01	0.18422E-07	
	0.12200E+01	0.12828E-09	
	0.13725E+01	0.63486E-12	
	0.15250E+01	0.37175E-13	
	0.16775E+01	0.68228E-14	

0.30500E+00	0.37965E+00
0.45750E+00	0.18224E+00
0.61000E+00	0.73092E-01
0.76250E+00	0.24348E-01
0.91500E+00	0.67056E-02
0.10675E+01	0.15213E-02
0.12200E+01	0.28341E-03
0.13725E+01	0.43243E-04
0.15250E+01	0.53928E-05
0.16775E+01	0.54876E-06
0.18300E+01	0.45507E-07
0.19825E+01	0.30725E-08
0.21350E+01	0.16889E-09
0.22875E+01	0.76030E-11
0.24400E+01	0.29861E-12
0.25925E+01	0.16475E-13
0.27450E+01	0.27717E-14
0.28975E+01	0.74111E-15
0.30500E+01	0.18773E-15
0.37350E+01	0.14892E-18
0.44200E+01	0.18491E-19
0.51050E+01	0.76184E-13
0.57900E+01	0.40654E-08
0.64750E+01	0.48269E-06
0.71600E+01	0.99476E-06
0.78450E+01	0.10000E-05
0.85300E+01	0.10000E-05
0.92150E+01	0.10000E-05
0.99000E+01	0.10000E-05
0.10585E+02	0.10000E-05
0.11270E+02	0.10000E-05
0.11955E+02	0.10000E-05
0.12640E+02	0.10000E-05
0.13325E+02	0.10000E-05
0.14010E+02	0.10000E-05
0.14695E+02	0.10000E-05
0.15380E+02	0.10000E-05
0.16065E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17435E+02	0.10000E-05
0.18120E+02	0.10000E-05
0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05

0.18300E+01	0.10970E-14
0.19825E+01	0.14783E-15
0.21350E+01	0.16809E-16
0.22875E+01	0.15933E-17
0.24400E+01	0.12487E-18
0.25925E+01	0.80154E-20
0.27450E+01	0.41716E-21
0.28975E+01	0.17408E-22
0.30500E+01	0.53853E-24
0.37350E+01	0.76564E-31
0.44200E+01	0.10473E-35
0.51050E+01	0.12729E-41
0.57900E+01	0.42328E-48
0.64750E+01	0.00000E+00
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.10131E+00
	0.15250E+00	0.66671E+00	

0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.00000E+00	0.10000E+01	0.15109E+00
	0.15250E+00	0.78143E+00	
	0.30500E+00	0.56613E+00	
	0.45750E+00	0.37821E+00	
	0.61000E+00	0.23203E+00	
	0.76250E+00	0.13031E+00	
	0.91500E+00	0.66830E-01	
	0.10675E+01	0.31231E-01	
	0.12200E+01	0.13277E-01	
	0.13725E+01	0.51288E-02	
	0.15250E+01	0.17962E-02	
	0.16775E+01	0.57043E-03	
	0.18300E+01	0.16408E-03	
	0.19825E+01	0.42719E-04	
	0.21350E+01	0.10062E-04	
	0.22875E+01	0.21428E-05	
	0.24400E+01	0.41245E-06	
	0.25925E+01	0.71726E-07	
	0.27450E+01	0.11266E-07	
	0.28975E+01	0.15968E-08	
	0.30500E+01	0.19569E-09	
	0.37350E+01	0.42212E-14	
	0.44200E+01	0.12073E-12	
	0.51050E+01	0.19516E-09	
	0.57900E+01	0.25549E-07	
	0.64750E+01	0.36471E-06	
	0.71600E+01	0.86623E-06	
	0.78450E+01	0.99650E-06	
	0.85300E+01	0.99998E-06	
	0.92150E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11955E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	
	0.16750E+02	0.10000E-05	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	

0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.00000E+00	0.10000E+01	0.20475E+00
	0.15250E+00	0.84586E+00	
	0.30500E+00	0.68484E+00	
	0.45750E+00	0.52922E+00	
	0.61000E+00	0.38944E+00	
	0.76250E+00	0.27240E+00	
	0.91500E+00	0.18082E+00	
	0.10675E+01	0.11376E+00	
	0.12200E+01	0.67752E-01	
	0.13725E+01	0.38164E-01	
	0.15250E+01	0.20315E-01	
	0.16775E+01	0.10212E-01	
	0.18300E+01	0.48452E-02	
	0.19825E+01	0.21685E-02	
	0.21350E+01	0.91516E-03	
	0.22875E+01	0.36404E-03	
	0.24400E+01	0.13645E-03	
	0.25925E+01	0.48180E-04	
	0.27450E+01	0.16019E-04	
	0.28975E+01	0.50019E-05	
	0.30500E+01	0.14186E-05	
	0.37350E+01	0.19264E-08	
	0.44200E+01	0.26550E-10	
	0.51050E+01	0.22132E-08	
	0.57900E+01	0.48772E-07	
	0.64750E+01	0.31480E-06	
	0.71600E+01	0.73856E-06	
	0.78450E+01	0.95790E-06	
	0.85300E+01	0.99781E-06	
	0.92150E+01	0.99996E-06	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11955E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	
	0.16750E+02	0.10000E-05	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

0.92150E+01 0.99861E-06
 0.99000E+01 0.99994E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.53605E+00
	0.15250E+00	0.95717E+00	
	0.30500E+00	0.90907E+00	
	0.45750E+00	0.85628E+00	
	0.61000E+00	0.79958E+00	
	0.76250E+00	0.73988E+00	
	0.91500E+00	0.67818E+00	
	0.10675E+01	0.61556E+00	
	0.12200E+01	0.55309E+00	
	0.13725E+01	0.49181E+00	
	0.15250E+01	0.43267E+00	
	0.16775E+01	0.37651E+00	
	0.18300E+01	0.32399E+00	
	0.19825E+01	0.27563E+00	
	0.21350E+01	0.23177E+00	
	0.22875E+01	0.19256E+00	
	0.24400E+01	0.15801E+00	
	0.25925E+01	0.12796E+00	
	0.27450E+01	0.10214E+00	

0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.00000E+00	0.10000E+01	0.26270E+00
	0.15250E+00	0.88640E+00	
	0.30500E+00	0.76391E+00	
	0.45750E+00	0.63898E+00	
	0.61000E+00	0.51802E+00	
	0.76250E+00	0.40653E+00	
	0.91500E+00	0.30850E+00	
	0.10675E+01	0.22618E+00	
	0.12200E+01	0.16008E+00	
	0.13725E+01	0.10929E+00	
	0.15250E+01	0.71938E-01	
	0.16775E+01	0.45628E-01	
	0.18300E+01	0.27874E-01	
	0.19825E+01	0.16394E-01	
	0.21350E+01	0.92800E-02	
	0.22875E+01	0.50543E-02	
	0.24400E+01	0.26478E-02	
	0.25925E+01	0.13338E-02	
	0.27450E+01	0.64553E-03	
	0.28975E+01	0.29896E-03	
	0.30500E+01	0.12944E-03	
	0.37350E+01	0.16357E-05	
	0.44200E+01	0.85480E-08	
	0.51050E+01	0.69955E-08	
	0.57900E+01	0.66025E-07	
	0.64750E+01	0.28521E-06	
	0.71600E+01	0.63576E-06	
	0.78450E+01	0.89200E-06	
	0.85300E+01	0.98271E-06	
	0.92150E+01	0.80188E-01	
	0.99000E+01	0.61652E-01	
	0.10585E+02	0.15942E-01	
	0.11270E+02	0.30928E-02	
	0.11955E+02	0.44778E-03	
	0.12640E+02	0.48275E-04	
	0.13325E+02	0.40695E-05	
	0.14010E+02	0.64760E-06	
	0.14695E+02	0.64375E-06	
	0.15380E+02	0.81101E-06	
	0.16065E+02	0.92165E-06	
	0.16750E+02	0.97439E-06	
	0.17435E+02	0.99345E-06	
	0.18120E+02	0.99870E-06	
	0.18805E+02	0.99980E-06	
	0.19490E+02	0.99998E-06	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

0.28975E+01 0.80188E-01
 0.30500E+01 0.61652E-01
 0.37350E+01 0.15942E-01
 0.44200E+01 0.30928E-02
 0.51050E+01 0.44778E-03
 0.57900E+01 0.48275E-04
 0.64750E+01 0.40695E-05
 0.71600E+01 0.64760E-06
 0.78450E+01 0.64375E-06
 0.85300E+01 0.81101E-06
 0.92150E+01 0.92165E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.76524E+00
	0.15250E+00	0.97547E+00	
	0.30500E+00	0.94770E+00	
	0.45750E+00	0.91679E+00	
	0.61000E+00	0.88288E+00	
	0.76250E+00	0.84620E+00	
	0.91500E+00	0.80702E+00	
	0.10675E+01	0.76568E+00	
	0.12200E+01	0.72256E+00	

0.13725E+01 0.67808E+00
 0.15250E+01 0.63268E+00
 0.16775E+01 0.58681E+00
 0.18300E+01 0.54092E+00
 0.19825E+01 0.49545E+00
 0.21350E+01 0.45080E+00
 0.22875E+01 0.40735E+00
 0.24400E+01 0.36540E+00
 0.25925E+01 0.32522E+00
 0.27450E+01 0.28700E+00
 0.28975E+01 0.25086E+00
 0.30500E+01 0.21685E+00
 0.37350E+01 0.10256E+00
 0.44200E+01 0.41080E-01
 0.51050E+01 0.13872E-01
 0.57900E+01 0.10402E-02
 0.64750E+01 0.94033E-03
 0.71600E+01 0.18860E-03
 0.78450E+01 0.32126E-04
 0.85300E+01 0.51241E-05
 0.92150E+01 0.13272E-05
 0.99000E+01 0.94546E-06
 0.10585E+02 0.95485E-06
 0.11270E+02 0.98066E-06
 0.11955E+02 0.99335E-06
 0.12640E+02 0.99870E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.1600E+02 0.00000E+00 0.10000E+01 0.80889E+00
 0.15250E+00 0.97758E+00
 0.30500E+00 0.95219E+00
 0.45750E+00 0.92389E+00
 0.61000E+00 0.89279E+00
 0.76250E+00 0.85905E+00
 0.91500E+00 0.82290E+00
 0.10675E+01 0.78460E+00
 0.12200E+01 0.74445E+00
 0.13725E+01 0.70279E+00
 0.15250E+01 0.66000E+00
 0.16775E+01 0.61646E+00
 0.18300E+01 0.57257E+00
 0.19825E+01 0.52870E+00
 0.21350E+01 0.48531E+00
 0.22875E+01 0.44250E+00
 0.24400E+01 0.40078E+00
 0.25925E+01 0.36035E+00
 0.27450E+01 0.32139E+00
 0.28975E+01 0.28407E+00
 0.30500E+01 0.24847E+00
 0.37350E+01 0.12481E+00
 0.44200E+01 0.54104E-01
 0.51050E+01 0.20093E-01
 0.57900E+01 0.63620E-02
 0.64750E+01 0.17145E-02
 0.71600E+01 0.39319E-03
 0.78450E+01 0.77132E-04
 0.85300E+01 0.13512E-04
 0.92150E+01 0.27086E-05
 0.99000E+01 0.11398E-05
 0.10585E+02 0.96789E-06
 0.11270E+02 0.97506E-06
 0.11955E+02 0.98963E-06
 0.12640E+02 0.99653E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.1700E+02 0.00000E+00 0.10000E+01 0.85204E+00
 0.15250E+00 0.97944E+00
 0.30500E+00 0.95614E+00
 0.45750E+00 0.93014E+00
 0.61000E+00 0.90152E+00
 0.76250E+00 0.87039E+00
 0.91500E+00 0.83693E+00
 0.10675E+01 0.80135E+00
 0.12200E+01 0.76389E+00
 0.13725E+01 0.72483E+00
 0.15250E+01 0.68499E+00
 0.16775E+01 0.64319E+00
 0.18300E+01 0.60127E+00
 0.19825E+01 0.55907E+00
 0.21350E+01 0.51690E+00
 0.22875E+01 0.47507E+00
 0.24400E+01 0.43387E+00
 0.25925E+01 0.39352E+00
 0.27450E+01 0.35424E+00
 0.28975E+01 0.31619E+00
 0.30500E+01 0.27952E+00
 0.37350E+01 0.14818E+00
 0.44200E+01 0.68625E-01
 0.51050E+01 0.27619E-01
 0.57900E+01 0.96010E-02
 0.64750E+01 0.28743E-03
 0.71600E+01 0.74033E-03
 0.78450E+01 0.16448E-03
 0.85300E+01 0.32166E-04
 0.92150E+01 0.61915E-05
 0.99000E+01 0.17441E-05
 0.10585E+02 0.10589E-05
 0.11270E+02 0.98085E-06
 0.11955E+02 0.98636E-06
 0.12640E+02 0.99448E-06
 0.13325E+02 0.99919E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99987E-06
 0.15380E+02 0.99997E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.1800E+02 0.00000E+00 0.10000E+01 0.88088E+00
 0.15250E+00 0.98024E+00
 0.30500E+00 0.95799E+00
 0.45750E+00 0.93327E+00
 0.61000E+00 0.90610E+00
 0.76250E+00 0.87655E+00
 0.91500E+00 0.84476E+00
 0.10675E+01 0.81090E+00
 0.12200E+01 0.77516E+00
 0.13725E+01 0.73779E+00
 0.15250E+01 0.69907E+00
 0.16775E+01 0.65928E+00
 0.18300E+01 0.61873E+00
 0.19825E+01 0.57772E+00
 0.21350E+01 0.53654E+00
 0.22875E+01 0.49547E+00
 0.24400E+01 0.45476E+00
 0.25925E+01 0.41463E+00
 0.27450E+01 0.37527E+00
 0.28975E+01 0.33683E+00
 0.30500E+01 0.29948E+00
 0.37350E+01 0.16419E+00
 0.44200E+01 0.79274E-01
 0.51050E+01 0.33529E-01
 0.57900E+01 0.12357E-01
 0.64750E+01 0.39534E-02
 0.71600E+01 0.10963E-03
 0.78450E+01 0.26391E-02
 0.85300E+01 0.55878E-04
 0.92150E+01 0.11144E-04
 0.99000E+01 0.27133E-05
 0.10585E+02 0.12438E-05
 0.11270E+02 0.10090E-05
 0.11955E+02 0.98733E-06
 0.12640E+02 0.99297E-06
 0.13325E+02 0.99736E-06

0.14010E+02 0.99918E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99995E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.1000E+01	0.89569E+00
	0.1525E+00	0.98013E+00	
	0.3050E+00	0.95911E+00	
	0.4575E+00	0.93385E+00	
	0.6100E+00	0.90731E+00	
	0.7625E+00	0.87851E+00	
	0.9150E+00	0.84753E+00	
	0.10675E+01	0.81455E+00	
	0.12200E+01	0.77971E+00	
	0.13725E+01	0.74324E+00	
	0.15250E+01	0.70540E+00	
	0.16775E+01	0.66646E+00	
	0.18300E+01	0.62668E+00	
	0.19825E+01	0.58637E+00	
	0.21350E+01	0.54578E+00	
	0.22875E+01	0.50520E+00	
	0.24400E+01	0.46483E+00	
	0.25925E+01	0.42487E+00	
	0.27450E+01	0.38546E+00	
	0.28975E+01	0.34670E+00	
	0.30500E+01	0.30877E+00	
	0.37350E+01	0.17231E+00	
	0.44200E+01	0.85090E-01	
	0.51050E+01	0.36970E-01	
	0.57900E+01	0.14064E-01	
	0.64750E+01	0.46670E-02	

0.24400E+01 0.46488E+00
 0.25925E+01 0.42501E+00
 0.27450E+01 0.38556E+00
 0.28975E+01 0.34634E+00
 0.30500E+01 0.30712E+00
 0.37350E+01 0.17270E+00
 0.44200E+01 0.85800E-01
 0.51050E+01 0.37567E-01
 0.57900E+01 0.14226E-01
 0.64750E+01 0.48415E-02
 0.71600E+01 0.14172E-02
 0.78450E+01 0.36230E-03
 0.85300E+01 0.8185E-04
 0.92150E+01 0.17280E-04
 0.99000E+01 0.41247E-05
 0.10585E+02 0.15849E-05
 0.11270E+02 0.10859E-05
 0.11955E+02 0.99937E-06
 0.12640E+02 0.99309E-06
 0.13325E+02 0.99654E-06
 0.14010E+02 0.99875E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.90144E+00
	0.1525E+00	0.97567E+00	
	0.3050E+00	0.95079E+00	
	0.4575E+00	0.92491E+00	
	0.6100E+00	0.89766E+00	
	0.7625E+00	0.86879E+00	

0.71600E+01 0.13484E-02
 0.78450E+01 0.33957E-03
 0.85300E+01 0.75372E-04
 0.92150E+01 0.15583E-04
 0.99000E+01 0.36750E-05
 0.10585E+02 0.14580E-05
 0.11270E+02 0.10524E-05
 0.11955E+02 0.99297E-06
 0.12640E+02 0.99258E-06
 0.13325E+02 0.99676E-06
 0.14010E+02 0.99890E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.89656E+00
	0.1525E+00	0.97870E+00	
	0.3050E+00	0.95623E+00	
	0.4575E+00	0.93186E+00	
	0.6100E+00	0.90532E+00	
	0.7625E+00	0.87658E+00	
	0.91500E+00	0.84572E+00	
	0.10675E+01	0.81266E+00	
	0.12200E+01	0.77819E+00	
	0.13725E+01	0.74192E+00	
	0.15250E+01	0.70428E+00	
	0.16775E+01	0.66556E+00	
	0.18300E+01	0.62600E+00	
	0.19825E+01	0.58590E+00	
	0.21350E+01	0.54552E+00	
	0.22875E+01	0.50510E+00	
	0.91500E+00	0.83819E+00	
	0.10675E+01	0.80588E+00	
	0.12200E+01	0.77195E+00	
	0.13725E+01	0.73654E+00	
	0.15250E+01	0.69985E+00	
	0.16775E+01	0.66211E+00	
	0.18300E+01	0.62354E+00	
	0.19825E+01	0.58438E+00	
	0.21350E+01	0.54483E+00	
	0.22875E+01	0.50509E+00	
	0.24400E+01	0.46533E+00	
	0.25925E+01	0.42571E+00	
	0.27450E+01	0.38641E+00	
	0.28975E+01	0.34767E+00	
	0.30500E+01	0.30981E+00	
	0.37350E+01	0.17990E+00	
	0.44200E+01	0.92234E-01	
	0.51050E+01	0.41929E-01	
	0.57900E+01	0.16847E-01	
	0.64750E+01	0.59638E-02	
	0.71600E+01	0.18559E-02	
	0.78450E+01	0.50799E-03	
	0.85300E+01	0.12329E-03	
	0.92150E+01	0.27511E-04	
	0.99000E+01	0.64032E-05	
	0.10585E+02	0.20853E-05	
	0.11270E+02	0.12019E-05	
	0.11955E+02	0.10242E-05	
	0.12640E+02	0.99660E-06	
	0.13325E+02	0.99636E-06	
	0.14010E+02	0.99839E-06	
	0.14695E+02	0.99945E-06	
	0.15380E+02	0.99984E-06	
	0.16065E+02	0.99996E-06	
	0.16750E+02	0.99999E-06	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.25655E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27025E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.28395E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.29765E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.90680E+00
	0.15250E+00	0.97189E+00	
	0.30500E+00	0.94740E+00	
	0.45750E+00	0.92022E+00	
	0.61000E+00	0.89204E+00	
	0.76250E+00	0.86266E+00	
	0.91500E+00	0.83193E+00	
	0.10675E+01	0.79982E+00	
	0.12200E+01	0.76633E+00	
	0.13725E+01	0.73155E+00	
	0.15250E+01	0.69561E+00	
	0.16775E+01	0.65967E+00	
	0.18300E+01	0.62091E+00	
	0.19825E+01	0.58253E+00	
	0.21350E+01	0.54372E+00	
	0.22875E+01	0.50467E+00	
	0.24400E+01	0.46550E+00	
	0.25925E+01	0.42663E+00	
	0.27450E+01	0.38805E+00	
	0.28975E+01	0.35011E+00	
	0.30500E+01	0.31312E+00	
	0.37350E+01	0.18612E+00	
	0.44200E+01	0.98381E-01	
	0.51050E+01	0.46294E-01	
	0.57900E+01	0.19375E-01	
	0.64750E+01	0.71944E-02	
	0.71600E+01	0.23653E-02	
	0.78450E+01	0.68843E-03	
	0.85300E+01	0.17837E-03	
	0.92150E+01	0.42155E-04	
	0.99000E+01	0.98921E-05	
	0.10585E+02	0.28830E-05	
	0.11270E+02	0.13999E-05	
	0.11955E+02	0.10688E-05	
	0.12640E+02	0.10054E-05	
	0.13325E+02	0.99730E-06	
	0.14010E+02	0.99818E-06	
	0.14695E+02	0.99927E-06	
	0.15380E+02	0.99976E-06	
	0.16065E+02	0.99993E-06	
	0.16750E+02	0.99998E-06	
	0.17435E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.18805E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24285E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	

0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.91842E+00
	0.15250E+00	0.97160E+00	
	0.30500E+00	0.94298E+00	
	0.45750E+00	0.91394E+00	
	0.61000E+00	0.88430E+00	
	0.76250E+00	0.85390E+00	
	0.91500E+00	0.82263E+00	
	0.10675E+01	0.79042E+00	
	0.12200E+01	0.75725E+00	
	0.13725E+01	0.72314E+00	
	0.15250E+01	0.68813E+00	
	0.16775E+01	0.65232E+00	
	0.18300E+01	0.61588E+00	
	0.19825E+01	0.57885E+00	
	0.21350E+01	0.54146E+00	
	0.22875E+01	0.50387E+00	
	0.24400E+01	0.46626E+00	
	0.25925E+01	0.42882E+00	
	0.27450E+01	0.39178E+00	
	0.28975E+01	0.35537E+00	
	0.30500E+01	0.31987E+00	
	0.37350E+01	0.19722E+00	
	0.44200E+01	0.10970E+00	
	0.51050E+01	0.54890E-01	
	0.57900E+01	0.24672E-01	
	0.64750E+01	0.99492E-02	
	0.71600E+01	0.35950E-02	
	0.78450E+01	0.11633E-02	
	0.85300E+01	0.33797E-03	
	0.92150E+01	0.89205E-04	
	0.99000E+01	0.22278E-04	
	0.10585E+02	0.59276E-05	
	0.11270E+02	0.21418E-05	

0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.91249E+00
	0.15250E+00	0.97260E+00	
	0.30500E+00	0.94492E+00	
	0.45750E+00	0.91570E+00	
	0.61000E+00	0.88773E+00	
	0.76250E+00	0.85782E+00	
	0.91500E+00	0.82683E+00	
	0.10675E+01	0.79471E+00	
	0.12200E+01	0.76145E+00	
	0.13725E+01	0.72707E+00	
	0.15250E+01	0.69167E+00	
	0.16775E+01	0.65536E+00	
	0.18300E+01	0.61829E+00	
	0.19825E+01	0.58063E+00	
	0.21350E+01	0.54255E+00	
	0.22875E+01	0.50424E+00	
	0.24400E+01	0.46589E+00	
	0.25925E+01	0.42770E+00	
	0.27450E+01	0.38989E+00	
	0.28975E+01	0.35274E+00	
	0.30500E+01	0.31653E+00	
	0.37350E+01	0.19185E+00	
	0.44200E+01	0.10419E+00	
	0.51050E+01	0.50625E-01	
	0.57900E+01	0.21990E-01	
	0.64750E+01	0.85256E-02	
	0.71600E+01	0.29452E-02	
	0.78450E+01	0.90619E-03	
	0.85300E+01	0.24925E-03	
	0.92150E+01	0.62328E-04	
	0.99000E+01	0.15018E-04	
	0.10585E+02	0.41081E-05	
	0.11270E+02	0.16884E-05	
	0.11955E+02	0.11428E-05	
	0.12640E+02	0.10224E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.99835E-06	
	0.14695E+02	0.99912E-06	
	0.15380E+02	0.99967E-06	
	0.16065E+02	0.99990E-06	
	0.16750E+02	0.99997E-06	
	0.17435E+02	0.99999E-06	
	0.18120E+02	0.10000E-05	

0.11955E+02	0.12596E-05
0.12640E+02	0.10517E-05
0.13325E+02	0.10067E-05
0.14010E+02	0.99931E-06
0.14695E+02	0.99910E-06
0.15380E+02	0.99959E-06
0.16065E+02	0.99986E-06
0.16750E+02	0.99996E-06
0.17435E+02	0.99999E-06
0.18120E+02	0.10000E-05
0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.92454E+00
	0.15250E+00	0.97080E+00	
	0.30500E+00	0.94142E+00	
	0.45750E+00	0.91170E+00	
	0.61000E+00	0.88150E+00	
	0.76250E+00	0.85067E+00	
	0.91500E+00	0.81912E+00	
	0.10675E+01	0.78680E+00	
	0.12200E+01	0.75367E+00	
	0.13725E+01	0.71973E+00	
	0.15250E+01	0.68504E+00	
	0.16775E+01	0.64966E+00	
	0.18300E+01	0.61370E+00	
	0.19825E+01	0.57727E+00	
	0.21350E+01	0.54052E+00	
	0.22875E+01	0.50360E+00	
	0.24400E+01	0.46669E+00	
	0.25925E+01	0.42997E+00	
	0.27450E+01	0.39364E+00	
	0.28975E+01	0.35793E+00	
	0.30500E+01	0.32310E+00	
	0.37350E+01	0.20230E+00	
	0.44200E+01	0.11495E+00	

0.51050E+01 0.59075E-01
 0.57900E+01 0.27400E-01
 0.64750E+01 0.11456E-01
 0.71600E+01 0.43127E-02
 0.78450E+01 0.14613E-02
 0.85300E+01 0.44639E-03
 0.92150E+01 0.12395E-03
 0.99000E+01 0.3223E-04
 0.10585E+02 0.85468E-05
 0.11270E+02 0.28136E-05
 0.11955E+02 0.14371E-05
 0.12640E+02 0.10988E-05
 0.13325E+02 0.10182E-05
 0.14010E+02 0.10016E-05
 0.14695E+02 0.99937E-06
 0.15380E+02 0.99954E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.93082E+00
	0.15250E+00	0.97014E+00	
	0.30500E+00	0.94014E+00	
	0.45750E+00	0.90986E+00	
	0.61000E+00	0.87917E+00	
	0.76250E+00	0.84798E+00	
	0.91500E+00	0.81618E+00	
	0.10675E+01	0.78374E+00	
	0.12200E+01	0.75062E+00	
	0.13725E+01	0.71682E+00	
	0.15250E+01	0.68237E+00	
	0.16775E+01	0.64735E+00	
	0.18300E+01	0.61183E+00	

0.45750E+00 0.90832E+00
 0.61000E+00 0.87723E+00
 0.76250E+00 0.84572E+00
 0.91500E+00 0.81371E+00
 0.10675E+01 0.78115E+00
 0.12200E+01 0.74803E+00
 0.13725E+01 0.71434E+00
 0.15250E+01 0.68011E+00
 0.16775E+01 0.64539E+00
 0.18300E+01 0.61025E+00
 0.19825E+01 0.57481E+00
 0.21350E+01 0.53916E+00
 0.22875E+01 0.50343E+00
 0.24400E+01 0.46776E+00
 0.25925E+01 0.43232E+00
 0.27450E+01 0.39727E+00
 0.28975E+01 0.36281E+00
 0.30500E+01 0.32918E+00
 0.37350E+01 0.21169E+00
 0.44200E+01 0.12480E+00
 0.51050E+01 0.67187E-01
 0.57900E+01 0.32937E-01
 0.64750E+01 0.14679E-01
 0.71600E+01 0.59414E-02
 0.78450E+01 0.21830E-02
 0.85300E+01 0.72875E-03
 0.92150E+01 0.22205E-03
 0.99000E+01 0.62725E-04
 0.10585E+02 0.17200E-04
 0.11270E+02 0.51521E-05
 0.11955E+02 0.20753E-05
 0.12640E+02 0.12779E-05
 0.13325E+02 0.10672E-05
 0.14010E+02 0.10138E-05
 0.14695E+02 0.10019E-05
 0.15380E+02 0.99986E-06
 0.16065E+02 0.99978E-06
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99992E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05

0.19825E+01 0.57592E+00
 0.21350E+01 0.53975E+00
 0.22875E+01 0.50345E+00
 0.24400E+01 0.46719E+00
 0.25925E+01 0.43113E+00
 0.27450E+01 0.39547E+00
 0.28975E+01 0.36041E+00
 0.30500E+01 0.32620E+00
 0.37350E+01 0.20711E+00
 0.44200E+01 0.11998E+00
 0.51050E+01 0.63175E-01
 0.57900E+01 0.30160E-01
 0.64750E+01 0.13035E-01
 0.71600E+01 0.50959E-02
 0.78450E+01 0.18010E-02
 0.85300E+01 0.57616E-03
 0.92150E+01 0.16788E-03
 0.99000E+01 0.45499E-04
 0.10585E+02 0.12210E-04
 0.11270E+02 0.37838E-05
 0.11955E+02 0.16988E-05
 0.12640E+02 0.11711E-05
 0.13325E+02 0.10373E-05
 0.14010E+02 0.10061E-05
 0.14695E+02 0.10002E-05
 0.15380E+02 0.99960E-06
 0.16065E+02 0.99978E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.93723E+00
	0.15250E+00	0.96960E+00	
	0.30500E+00	0.93907E+00	

0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.94374E+00
	0.15250E+00	0.96914E+00	
	0.30500E+00	0.93818E+00	
	0.45750E+00	0.90703E+00	
	0.61000E+00	0.87560E+00	
	0.76250E+00	0.84382E+00	
	0.91500E+00	0.81162E+00	
	0.10675E+01	0.77897E+00	
	0.12200E+01	0.74584E+00	
	0.13725E+01	0.71224E+00	
	0.15250E+01	0.67820E+00	
	0.16775E+01	0.64375E+00	
	0.18300E+01	0.60896E+00	
	0.19825E+01	0.57393E+00	
	0.21350E+01	0.53875E+00	
	0.22875E+01	0.50353E+00	
	0.24400E+01	0.46841E+00	
	0.25925E+01	0.43353E+00	
	0.27450E+01	0.39905E+00	
	0.28975E+01	0.36515E+00	
	0.30500E+01	0.33205E+00	
	0.37350E+01	0.21606E+00	
	0.44200E+01	0.12943E+00	
	0.51050E+01	0.71112E-01	
	0.57900E+01	0.35723E-01	
	0.64750E+01	0.16378E-01	
	0.71600E+01	0.68456E-02	
	0.78450E+01	0.26072E-02	
	0.85300E+01	0.90533E-03	
	0.92150E+01	0.28762E-03	
	0.99000E+01	0.84589E-04	
	0.10585E+02	0.23832E-04	
	0.11270E+02	0.70387E-05	
	0.11955E+02	0.26057E-05	
	0.12640E+02	0.14315E-05	
	0.13325E+02	0.11120E-05	
	0.14010E+02	0.10261E-05	
	0.14695E+02	0.10049E-05	
	0.15380E+02	0.10005E-05	
	0.16065E+02	0.99985E-06	
	0.16750E+02	0.99988E-06	
	0.17435E+02	0.99995E-06	
	0.18120E+02	0.99998E-06	
	0.18805E+02	0.99999E-06	
	0.19490E+02	0.10000E-05	
	0.20175E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.21545E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.22915E+02	0.10000E-05	

0.8000E+02 0.0000E+00 0.1000E+01 0.97057E+00
 0.15250E+00 0.96793E+00 0.30500E+00 0.93582E+00
 0.45750E+00 0.90362E+00 0.61000E+00 0.87130E+00
 0.76250E+00 0.8381E+00 0.91500E+00 0.80614E+00
 0.10675E+01 0.7737E+00 0.12200E+01 0.74019E+00
 0.13725E+01 0.70691E+00

ANALYSIS FOR TIME PERIOD 24
 TIME DEPTH CONCENTRATION TOTAL FLUX
 INFO SOIL

0.1000E-05 0.30450E+02 0.1000E-05
 0.1000E-05 0.29765E+02 0.1000E-05
 0.1000E-05 0.29080E+02 0.1000E-05
 0.1000E-05 0.28395E+02 0.1000E-05
 0.1000E-05 0.27710E+02 0.1000E-05
 0.1000E-05 0.27025E+02 0.1000E-05
 0.1000E-05 0.26340E+02 0.1000E-05
 0.1000E-05 0.25655E+02 0.1000E-05
 0.1000E-05 0.24970E+02 0.1000E-05
 0.1000E-05 0.24285E+02 0.1000E-05
 0.1000E-05 0.23600E+02 0.1000E-05
 0.1000E-05 0.22915E+02 0.1000E-05
 0.1000E-05 0.22230E+02 0.1000E-05
 0.1000E-05 0.21545E+02 0.1000E-05
 0.1000E-05 0.20860E+02 0.1000E-05
 0.1000E-05 0.20175E+02 0.1000E-05
 0.99999E-06 0.19490E+02 0.99999E-06
 0.18805E+02 0.99999E-06
 0.18120E+02 0.99999E-06
 0.17435E+02 0.99999E-06
 0.16750E+02 0.1000E-05
 0.16065E+02 0.1001E-05
 0.15380E+02 0.1007E-05
 0.14695E+02 0.1029E-05
 0.14010E+02 0.1112E-05
 0.13325E+02 0.1194E-05
 0.12640E+02 0.1276E-05
 0.11955E+02 0.1358E-05
 0.11270E+02 0.1440E-05
 0.10585E+02 0.1522E-05
 0.99900E+01 0.1604E-03
 0.99215E+01 0.1686E-03
 0.98530E+01 0.1768E-03
 0.97845E+01 0.1850E-03
 0.97160E+01 0.1932E-03
 0.96475E+01 0.2014E-03
 0.95790E+01 0.2096E-03
 0.95105E+01 0.2178E-03
 0.94420E+01 0.2260E-03
 0.93735E+01 0.2342E-03
 0.93050E+01 0.2424E-03
 0.92365E+01 0.2506E-03
 0.91680E+01 0.2588E-03
 0.91000E+01 0.2670E-03
 0.90315E+01 0.2752E-03
 0.89630E+01 0.2834E-03
 0.88945E+01 0.2916E-03
 0.88260E+01 0.3000E-03
 0.87575E+01 0.3082E-03
 0.86890E+01 0.3164E-03
 0.86205E+01 0.3246E-03
 0.85520E+01 0.3328E-03
 0.84835E+01 0.3410E-03
 0.84150E+01 0.3492E-03
 0.83465E+01 0.3574E-03
 0.82780E+01 0.3656E-03
 0.82095E+01 0.3738E-03
 0.81410E+01 0.3820E-03
 0.80725E+01 0.3902E-03
 0.80040E+01 0.3984E-03
 0.79355E+01 0.4066E-03
 0.78670E+01 0.4148E-03
 0.77985E+01 0.4230E-03
 0.77300E+01 0.4312E-03
 0.76615E+01 0.4394E-03
 0.75930E+01 0.4476E-03
 0.75245E+01 0.4558E-03
 0.74560E+01 0.4640E-03
 0.73875E+01 0.4722E-03
 0.73190E+01 0.4804E-03
 0.72505E+01 0.4886E-03
 0.71820E+01 0.4968E-03
 0.71135E+01 0.5050E-03
 0.70450E+01 0.5132E-03
 0.69765E+01 0.5214E-03
 0.69080E+01 0.5296E-03
 0.68395E+01 0.5378E-03
 0.67710E+01 0.5460E-03
 0.67025E+01 0.5542E-03
 0.66340E+01 0.5624E-03
 0.65655E+01 0.5706E-03
 0.64970E+01 0.5788E-03
 0.64285E+01 0.5870E-03
 0.63600E+01 0.5952E-03
 0.62915E+01 0.6034E-03
 0.62230E+01 0.6116E-03
 0.61545E+01 0.6198E-03
 0.60860E+01 0.6280E-03
 0.60175E+01 0.6362E-03
 0.59490E+01 0.6444E-03
 0.58805E+01 0.6526E-03
 0.58120E+01 0.6608E-03
 0.57435E+01 0.6690E-03
 0.56750E+01 0.6772E-03
 0.56065E+01 0.6854E-03
 0.55380E+01 0.6936E-03
 0.54695E+01 0.7018E-03
 0.54010E+01 0.7100E-03
 0.53325E+01 0.7182E-03
 0.52640E+01 0.7264E-03
 0.51955E+01 0.7346E-03
 0.51270E+01 0.7428E-03
 0.50585E+01 0.7510E-03
 0.49900E+01 0.7592E-03
 0.49215E+01 0.7674E-03
 0.48530E+01 0.7756E-03
 0.47845E+01 0.7838E-03
 0.47160E+01 0.7920E-03
 0.46475E+01 0.8002E-03
 0.45790E+01 0.8084E-03
 0.45105E+01 0.8166E-03
 0.44420E+01 0.8248E-03
 0.43735E+01 0.8330E-03
 0.43050E+01 0.8412E-03
 0.42365E+01 0.8494E-03
 0.41680E+01 0.8576E-03
 0.41000E+01 0.8658E-03
 0.40315E+01 0.8740E-03
 0.39630E+01 0.8822E-03
 0.38945E+01 0.8904E-03
 0.38260E+01 0.8986E-03
 0.37575E+01 0.9068E-03
 0.36890E+01 0.9150E-03
 0.36205E+01 0.9232E-03
 0.35520E+01 0.9314E-03
 0.34835E+01 0.9396E-03
 0.34150E+01 0.9478E-03
 0.33465E+01 0.9560E-03
 0.32780E+01 0.9642E-03
 0.32095E+01 0.9724E-03
 0.31410E+01 0.9806E-03
 0.30725E+01 0.9888E-03
 0.30040E+01 0.9970E-03
 0.29355E+01 1.0052E-03
 0.28670E+01 1.0134E-03
 0.27985E+01 1.0216E-03
 0.27300E+01 1.0298E-03
 0.26615E+01 1.0380E-03
 0.25930E+01 1.0462E-03
 0.25245E+01 1.0544E-03
 0.24560E+01 1.0626E-03
 0.23875E+01 1.0708E-03
 0.23190E+01 1.0790E-03
 0.22505E+01 1.0872E-03
 0.21820E+01 1.0954E-03
 0.21135E+01 1.1036E-03
 0.20450E+01 1.1118E-03
 0.19765E+01 1.1200E-03
 0.19080E+01 1.1282E-03
 0.18395E+01 1.1364E-03
 0.17710E+01 1.1446E-03
 0.17025E+01 1.1528E-03
 0.16340E+01 1.1610E-03
 0.15655E+01 1.1692E-03
 0.14970E+01 1.1774E-03
 0.14285E+01 1.1856E-03
 0.13600E+01 1.1938E-03
 0.12915E+01 1.2020E-03
 0.12230E+01 1.2102E-03
 0.11545E+01 1.2184E-03
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 0.10175E+01 1.2348E-03
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 0.08805E+01 1.2512E-03
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 0.07435E+01 1.2676E-03
 0.06750E+01 1.2758E-03
 0.06065E+01 1.2840E-03
 0.05380E+01 1.2922E-03
 0.04695E+01 1.3004E-03
 0.04010E+01 1.3086E-03
 0.03325E+01 1.3168E-03
 0.02640E+01 1.3250E-03
 0.01955E+01 1.3332E-03
 0.01270E+01 1.3414E-03
 0.00585E+01 1.3496E-03
 0.99900E+01 1.3578E-03
 0.99215E+01 1.3660E-03
 0.98530E+01 1.3742E-03
 0.97845E+01 1.3824E-03
 0.97160E+01 1.3906E-03
 0.96475E+01 1.3988E-03
 0.95790E+01 1.4070E-03
 0.95105E+01 1.4152E-03
 0.94420E+01 1.4234E-03
 0.93735E+01 1.4316E-03
 0.93050E+01 1.4398E-03
 0.92365E+01 1.4480E-03
 0.91680E+01 1.4562E-03
 0.91000E+01 1.4644E-03
 0.90315E+01 1.4726E-03
 0.89630E+01 1.4808E-03
 0.88945E+01 1.4890E-03
 0.88260E+01 1.4972E-03
 0.87575E+01 1.5054E-03
 0.86890E+01 1.5136E-03
 0.86205E+01 1.5218E-03
 0.85520E+01 1.5300E-03
 0.84835E+01 1.5382E-03
 0.84150E+01 1.5464E-03
 0.83465E+01 1.5546E-03
 0.82780E+01 1.5628E-03
 0.82095E+01 1.5710E-03
 0.81410E+01 1.5792E-03
 0.80725E+01 1.5874E-03
 0.80040E+01 1.5956E-03
 0.79355E+01 1.6038E-03
 0.78670E+01 1.6120E-03
 0.77985E+01 1.6202E-03
 0.77300E+01 1.6284E-03
 0.76615E+01 1.6366E-03
 0.75930E+01 1.6448E-03
 0.75245E+01 1.6530E-03
 0.74560E+01 1.6612E-03
 0.73875E+01 1.6694E-03
 0.73190E+01 1.6776E-03
 0.72505E+01 1.6858E-03
 0.71820E+01 1.6940E-03
 0.71135E+01 1.7022E-03
 0.70450E+01 1.7104E-03
 0.69765E+01 1.7186E-03
 0.69080E+01 1.7268E-03
 0.68395E+01 1.7350E-03
 0.67710E+01 1.7432E-03
 0.67025E+01 1.7514E-03
 0.66340E+01 1.7596E-03
 0.65655E+01 1.7678E-03
 0.64970E+01 1.7760E-03
 0.64285E+01 1.7842E-03
 0.63600E+01 1.7924E-03
 0.62915E+01 1.8006E-03
 0.62230E+01 1.8088E-03
 0.61545E+01 1.8170E-03
 0.60860E+01 1.8252E-03
 0.60175E+01 1.8334E-03
 0.59490E+01 1.8416E-03
 0.58805E+01 1.8498E-03
 0.58120E+01 1.8580E-03
 0.57435E+01 1.8662E-03
 0.56750E+01 1.8744E-03
 0.56065E+01 1.8826E-03
 0.55380E+01 1.8908E-03
 0.54695E+01 1.8990E-03
 0.54010E+01 1.9072E-03
 0.53325E+01 1.9154E-03
 0.52640E+01 1.9236E-03
 0.51955E+01 1.9318E-03
 0.51270E+01 1.9400E-03
 0.50585E+01 1.9482E-03
 0.49900E+01 1.9564E-03
 0.49215E+01 1.9646E-03
 0.48530E+01 1.9728E-03
 0.47845E+01 1.9810E-03
 0.47160E+01 1.9892E-03
 0.46475E+01 1.9974E-03
 0.45790E+01 2.0056E-03
 0.45105E+01 2.0138E-03
 0.44420E+01 2.0220E-03
 0.43735E+01 2.0302E-03
 0.43050E+01 2.0384E-03
 0.42365E+01 2.0466E-03
 0.41680E+01 2.0548E-03
 0.41000E+01 2.0630E-03
 0.40315E+01 2.0712E-03
 0.39630E+01 2.0794E-03
 0.38945E+01 2.0876E-03
 0.38260E+01 2.0958E-03
 0.37575E+01 2.1040E-03
 0.36890E+01 2.1122E-03
 0.36205E+01 2.1204E-03
 0.35520E+01 2.1286E-03
 0.34835E+01 2.1368E-03
 0.34150E+01 2.1450E-03
 0.33465E+01 2.1532E-03
 0.32780E+01 2.1614E-03
 0.32095E+01 2.1696E-03
 0.31410E+01 2.1778E-03
 0.30725E+01 2.1860E-03
 0.30040E+01 2.1942E-03
 0.29355E+01 2.2024E-03
 0.28670E+01 2.2106E-03
 0.27985E+01 2.2188E-03
 0.27300E+01 2.2270E-03
 0.26615E+01 2.2352E-03
 0.25930E+01 2.2434E-03
 0.25245E+01 2.2516E-03
 0.24560E+01 2.2598E-03
 0.23875E+01 2.2680E-03
 0.23190E+01 2.2762E-03
 0.22505E+01 2.2844E-03
 0.21820E+01 2.2926E-03
 0.21135E+01 2.3008E-03
 0.20450E+01 2.3090E-03
 0.19765E+01 2.3172E-03
 0.19080E+01 2.3254E-03
 0.18395E+01 2.3336E-03
 0.17710E+01 2.3418E-03
 0.17025E+01 2.3500E-03
 0.16340E+01 2.3582E-03
 0.15655E+01 2.3664E-03
 0.14970E+01 2.3746E-03
 0.14285E+01 2.3828E-03
 0.13600E+01 2.3910E-03
 0.12915E+01 2.3992E-03
 0.12230E+01 2.4074E-03
 0.11545E+01 2.4156E-03
 0.10860E+01 2.4238E-03
 0.10175E+01 2.4320E-03
 0.09490E+01 2.4402E-03
 0.08805E+01 2.4484E-03
 0.08120E+01 2.4566E-03
 0.07435E+01 2.4648E-03
 0.06750E+01 2.4730E-03
 0.06065E+01 2.4812E-03
 0.05380E+01 2.4894E-03
 0.04695E+01 2.4976E-03
 0.04010E+01 2.5058E-03
 0.03325E+01 2.5140E-03
 0.02640E+01 2.5222E-03
 0.01955E+01 2.5304E-03
 0.01270E+01 2.5386E-03
 0.00585E+01 2.5468E-03
 0.99900E+01 2.5550E-03
 0.99215E+01 2.5632E-03
 0.98530E+01 2.5714E-03
 0.97845E+01 2.5796E-03
 0.97160E+01 2.5878E-03
 0.96475E+01 2.5960E-03
 0.95790E+01 2.6042E-03
 0.95105E+01 2.6124E-03
 0.94420E+01 2.6206E-03
 0.93735E+01 2.6288E-03
 0.93050E+01 2.6370E-03
 0.92365E+01 2.6452E-03
 0.91680E+01 2.6534E-03
 0.91000E+01 2.6616E-03
 0.90315E+01 2.6698E-03
 0.89630E+01 2.6780E-03
 0.88945E+01 2.6862E-03
 0.88260E+01 2.6944E-03
 0.87575E+01 2.7026E-03
 0.86890E+01 2.7108E-03
 0.86205E+01 2.7190E-03
 0.85520E+01 2.7272E-03
 0.84835E+01 2.7354E-03
 0.84150E+01 2.7436E-03
 0.83465E+01 2.7518E-03
 0.82780E+01 2.7600E-03
 0.82095E+01 2.7682E-03
 0.81410E+01 2.7764E-03
 0.80725E+01 2.7846E-03
 0.80040E+01 2.7928E-03
 0.79355E+01 2.8010E-03
 0.78670E+01 2.8092E-03
 0.77985E+01 2.8174E-03
 0.77300E+01 2.8256E-03
 0.76615E+01 2.8338E-03
 0.75930E+01 2.8420E-03
 0.75245E+01 2.8502E-03
 0.74560E+01 2.8584E-03
 0.73875E+01 2.8666E-03
 0.73190E+01 2.8748E-03
 0.72505E+01 2.8830E-03
 0.71820E+01 2.8912E-03
 0.71135E+01 2.8994E-03
 0.70450E+01 2.9076E-03
 0.69765E+01 2.9158E-03
 0.69080E+01 2.9240E-03
 0.68395E+01 2.9322E-03
 0.67710E+01 2.9404E-03
 0.67025E+01 2.9486E-03
 0.66340E+01 2.9568E-03
 0.65655E+01 2.9650E-03
 0.64970E+01 2.9732E-03
 0.64285E+01 2.9814E-03
 0.63600E+01 2.9896E-03
 0.62915E+01 2.9978E-03
 0.62230E+01 3.0060E-03
 0.61545E+01 3.0142E-03
 0.60860E+01 3.0224E-03
 0.60175E+01 3.0306E-03
 0.59490E+01 3.0388E-03
 0.58805E+01 3.0470E-03
 0.58120E+01 3.0552E-03
 0.57435E+01 3.0634E-03
 0.56750E+01 3.0716E-03
 0.56065E+01 3.0798E-03
 0.55380E+01 3.0880E-03
 0.54695E+01 3.0962E-03
 0.54010E+01 3.1044E-03
 0.53325E+01 3.1126E-03
 0.52640E+01 3.1208E-03
 0.51955E+01 3.1290E-03
 0.51270E+01 3.1372E-03
 0.50585E+01 3.1454E-03
 0.49900E+01 3.1536E-03
 0.49215E+01 3.1618E-03
 0.48530E+01 3.1700E-03
 0.47845E+01 3.1782E-03
 0.47160E+01 3.1864E-03
 0.46475E+01 3.1946E-03
 0.45790E+01 3.2028E-03
 0.45105E+01 3.2110E-03
 0.44420E+01 3.2192E-03
 0.43735E+01 3.2274E-03
 0.43050E+01 3.2356E-03
 0.42365E+01 3.2438E-03
 0.41680E+01 3.2520E-03
 0.41000E+01 3.2602E-03
 0.40315E+01 3.2684E-03
 0.39630E+01 3.2766E-03
 0.38945E+01 3.2848E-03
 0.38260E+01 3.2930E-03
 0.37575E+01 3.3012E-03
 0.36890E+01 3.3094E-03
 0.36205E+01 3.3176E-03
 0.35520E+01 3.3258E-03
 0.34835E+01 3.3340E-03
 0.34150E+01 3.3422E-03
 0.33465E+01 3.3504E-03
 0.32780E+01 3.3586E-03
 0.32095E+01 3.3668E-03
 0.31410E+01 3.3750E-03
 0.30725E+01 3.3832E-03
 0.30040E+01 3.3914E-03
 0.29355E+01 3.3996E-03
 0.28670E+01 3.4078E-03
 0.27985E+01 3.4160E-03
 0.27300E+01 3.4242E-03
 0.26615E+01 3.4324E-03
 0.25930E+01 3.4406E-03
 0.25245E+01 3.4488E-03
 0.24560E+01 3.4570E-03
 0.23875E+01 3.4652E-03
 0.23190E+01 3.4734E-03

0.57900E+01 0.29748E+00
 0.64750E+01 0.21964E+00
 0.71600E+01 0.15652E+00
 0.78450E+01 0.10760E+00
 0.85300E+01 0.71312E-01
 0.92150E+01 0.45530E-01
 0.99000E+01 0.27984E-01
 0.10585E+02 0.16544E-01
 0.11270E+02 0.94017E-02
 0.11955E+02 0.51325E-02
 0.12640E+02 0.26904E-02
 0.13325E+02 0.13539E-02
 0.14010E+02 0.65408E-03
 0.14695E+02 0.30363E-03
 0.15380E+02 0.13570E-03
 0.16065E+02 0.58676E-04
 0.16750E+02 0.24822E-04
 0.17435E+02 0.10532E-04
 0.18120E+02 0.47173E-05
 0.18805E+02 0.24216E-05
 0.19490E+02 0.15354E-05
 0.20175E+02 0.11987E-05
 0.20860E+02 0.10724E-05
 0.21545E+02 0.10259E-05
 0.22230E+02 0.10090E-05
 0.22915E+02 0.10031E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.19564E+01
	0.15250E+00	0.99515E+00	
	0.30500E+00	0.98965E+00	
	0.45750E+00	0.98345E+00	
	0.61000E+00	0.97653E+00	
	0.76250E+00	0.96886E+00	
	0.91500E+00	0.96041E+00	
	0.10675E+01	0.95114E+00	
	0.12200E+01	0.94104E+00	
	0.13725E+01	0.93009E+00	
	0.15250E+01	0.91827E+00	
	0.16775E+01	0.90555E+00	
	0.18300E+01	0.89194E+00	
	0.19825E+01	0.87741E+00	

0.61000E+00 0.98113E+00
 0.76250E+00 0.97491E+00
 0.91500E+00 0.96803E+00
 0.10675E+01 0.96046E+00
 0.12200E+01 0.95217E+00
 0.13725E+01 0.94313E+00
 0.15250E+01 0.93333E+00
 0.16775E+01 0.92274E+00
 0.18300E+01 0.91133E+00
 0.19825E+01 0.89910E+00
 0.21350E+01 0.88601E+00
 0.22875E+01 0.87206E+00
 0.24400E+01 0.85724E+00
 0.25925E+01 0.84152E+00
 0.27450E+01 0.82491E+00
 0.28975E+01 0.80738E+00
 0.30500E+01 0.78893E+00
 0.37350E+01 0.70069E+00
 0.44200E+01 0.60512E+00
 0.51050E+01 0.50769E+00
 0.57900E+01 0.41351E+00
 0.64750E+01 0.32677E+00
 0.71600E+01 0.25042E+00
 0.78450E+01 0.18604E+00
 0.85300E+01 0.13394E+00
 0.92150E+01 0.93421E-01
 0.99000E+01 0.63098E-01
 0.10585E+02 0.41253E-01
 0.11270E+02 0.26095E-01
 0.11955E+02 0.15963E-01
 0.12640E+02 0.94391E-02
 0.13325E+02 0.53931E-02
 0.14010E+02 0.29764E-02
 0.14695E+02 0.15862E-02
 0.15380E+02 0.81636E-03
 0.16065E+02 0.40585E-03
 0.16750E+02 0.19511E-03
 0.17435E+02 0.90925E-04
 0.18120E+02 0.41305E-04
 0.18805E+02 0.18517E-04
 0.19490E+02 0.84059E-05
 0.20175E+02 0.40590E-05
 0.20860E+02 0.22395E-05
 0.21545E+02 0.14939E-05
 0.22230E+02 0.11936E-05
 0.22915E+02 0.10745E-05
 0.23600E+02 0.10281E-05
 0.24285E+02 0.10103E-05
 0.24970E+02 0.10037E-05
 0.25655E+02 0.10013E-05
 0.26340E+02 0.10004E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.21350E+01 0.86197E+00
 0.22875E+01 0.84560E+00
 0.24400E+01 0.82830E+00
 0.25925E+01 0.81008E+00
 0.27450E+01 0.79093E+00
 0.28975E+01 0.77086E+00
 0.30500E+01 0.74987E+00
 0.37350E+01 0.65160E+00
 0.44200E+01 0.54878E+00
 0.51050E+01 0.44773E+00
 0.57900E+01 0.35369E+00
 0.64750E+01 0.27042E+00
 0.71600E+01 0.20003E+00
 0.78450E+01 0.14311E+00
 0.85300E+01 0.98976E-01
 0.92150E+01 0.66145E-01
 0.99000E+01 0.42690E-01
 0.10585E+02 0.26593E-01
 0.11270E+02 0.15979E-01
 0.11955E+02 0.92559E-02
 0.12640E+02 0.51663E-02
 0.13325E+02 0.27774E-02
 0.14010E+02 0.14379E-02
 0.14695E+02 0.71683E-03
 0.15380E+02 0.34432E-03
 0.16065E+02 0.15959E-03
 0.16750E+02 0.71632E-04
 0.17435E+02 0.31387E-04
 0.18120E+02 0.13668E-04
 0.18805E+02 0.61406E-05
 0.19490E+02 0.30412E-05
 0.20175E+02 0.17966E-05
 0.20860E+02 0.13060E-05
 0.21545E+02 0.11156E-05
 0.22230E+02 0.10428E-05
 0.22915E+02 0.10135E-05
 0.23600E+02 0.10055E-05
 0.24285E+02 0.10019E-05
 0.24970E+02 0.10006E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.21232E+01
	0.15250E+00	0.99612E+00	
	0.30500E+00	0.99170E+00	
	0.45750E+00	0.98671E+00	

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.00000E+00	0.10000E+01	0.23027E+01
	0.15250E+00	0.99612E+00	
	0.30500E+00	0.99338E+00	
	0.45750E+00	0.98940E+00	
	0.61000E+00	0.98491E+00	
	0.76250E+00	0.97991E+00	
	0.91500E+00	0.97435E+00	
	0.10675E+01	0.96821E+00	
	0.12200E+01	0.96146E+00	
	0.13725E+01	0.95408E+00	
	0.15250E+01	0.94603E+00	
	0.16775E+01	0.93729E+00	
	0.18300E+01	0.92784E+00	
	0.19825E+01	0.91765E+00	
	0.21350E+01	0.90699E+00	
	0.22875E+01	0.89496E+00	
	0.24400E+01	0.88241E+00	
	0.25925E+01	0.86904E+00	
	0.27450E+01	0.85483E+00	
	0.28975E+01	0.83975E+00	
	0.30500E+01	0.82379E+00	
	0.37350E+01	0.74594E+00	
	0.44200E+01	0.65891E+00	
	0.51050E+01	0.56713E+00	
	0.57900E+01	0.47516E+00	
	0.64750E+01	0.38721E+00	
	0.71600E+01	0.30674E+00	
	0.78450E+01	0.23610E+00	
	0.85300E+01	0.17651E+00	
	0.92150E+01	0.12814E+00	
	0.99000E+01	0.90292E-01	
	0.10585E+02	0.61741E-01	
	0.11270E+02	0.40953E-01	
	0.11955E+02	0.26342E-01	
	0.12640E+02	0.16424E-01	
	0.13325E+02	0.99232E-02	
	0.14010E+02	0.58076E-02	
	0.14695E+02	0.32915E-02	
	0.15380E+02	0.18062E-02	
	0.16065E+02	0.95953E-03	
	0.16750E+02	0.49360E-03	
	0.17435E+02	0.24603E-03	
	0.18120E+02	0.11903E-03	
	0.18805E+02	0.56095E-04	
	0.19490E+02	0.25961E-04	
	0.20175E+02	0.12002E-04	
	0.20860E+02	0.57326E-05	
	0.21545E+02	0.29941E-05	
	0.22230E+02	0.18254E-05	
	0.22915E+02	0.13360E-05	
	0.23600E+02	0.11344E-05	

26 0.8500E+02 0.9000E+02 0.5400E-02 0.9000E+00
 27 0.9000E+02 0.9500E+02 0.8100E-02 0.9000E+00
 28 0.9500E+02 0.1000E+03 0.1080E-01 0.9000E+00
 29 0.1000E+03 0.1050E+03 0.1350E-01 0.9000E+00
 30 0.1050E+03 0.1100E+03 0.1620E-01 0.9000E+00
 31 0.1100E+03 0.1150E+03 0.1890E-01 0.9000E+00
 32 0.1150E+03 0.1200E+03 0.2160E-01 0.9000E+00
 33 0.1200E+03 0.1250E+03 0.2430E-01 0.9000E+00
 34 0.1250E+03 0.1300E+03 0.2700E-01 0.9000E+00
 35 0.1300E+03 0.1350E+03 0.2970E-01 0.9000E+00
 36 0.1350E+03 0.1400E+03 0.3240E-01 0.9000E+00
 37 0.1400E+03 0.1450E+03 0.3510E-01 0.9000E+00

0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RWU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12497E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.78016E-24	
	0.37350E+01	0.10202E-37	
	0.44200E+01	0.00000E+00	
	0.51050E+01	0.00000E+00	
	0.57900E+01	0.00000E+00	
	0.64750E+01	0.00000E+00	
	0.71600E+01	0.00000E+00	
	0.78450E+01	0.00000E+00	
	0.85300E+01	0.00000E+00	
	0.92150E+01	0.00000E+00	
	0.99000E+01	0.00000E+00	
	0.10585E+02	0.00000E+00	
	0.11270E+02	0.00000E+00	
	0.11955E+02	0.00000E+00	
	0.12640E+02	0.00000E+00	
	0.13325E+02	0.00000E+00	
	0.14010E+02	0.00000E+00	
	0.14695E+02	0.00000E+00	
	0.15380E+02	0.00000E+00	
	0.16065E+02	0.00000E+00	

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25182E-14	
	0.30500E+01	0.19500E-15	
	0.37350E+01	0.24261E-09	
	0.44200E+01	0.48166E-06	
	0.51050E+01	0.99966E-06	
	0.57900E+01	0.10000E-05	
	0.64750E+01	0.10000E-05	
	0.71600E+01	0.10000E-05	
	0.78450E+01	0.10000E-05	
	0.85300E+01	0.10000E-05	
	0.92150E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11955E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.00000E+00	0.10000E+01	0.15722E+00
	0.30500E+00	0.55442E+00	
	0.61000E+00	0.22053E+00	
	0.91500E+00	0.61633E-01	
	0.12200E+01	0.11926E-01	
	0.15250E+01	0.15779E-02	
	0.18300E+01	0.14151E-03	
	0.21350E+01	0.85531E-05	
	0.24400E+01	0.34683E-06	
	0.27450E+01	0.93955E-08	
	0.30500E+01	0.18188E-09	
	0.37350E+01	0.72437E-08	
	0.44200E+01	0.33035E-06	
	0.51050E+01	0.88472E-06	
	0.57900E+01	0.99923E-06	
	0.64750E+01	0.10000E-05	
	0.71600E+01	0.10000E-05	
	0.78450E+01	0.10000E-05	
	0.85300E+01	0.10000E-05	
	0.92150E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11955E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.00000E+00	0.10000E+01	0.21292E+00
	0.30500E+00	0.67567E+00	
	0.61000E+00	0.37700E+00	
	0.91500E+00	0.17147E+00	
	0.12200E+01	0.62969E-01	
	0.15250E+01	0.18524E-01	
	0.18300E+01	0.43396E-02	
	0.21350E+01	0.80628E-03	
	0.24400E+01	0.11845E-03	
	0.27450E+01	0.13726E-04	
	0.30500E+01	0.12789E-05	
	0.37350E+01	0.23896E-07	
	0.44200E+01	0.27134E-06	
	0.51050E+01	0.74605E-06	
	0.57900E+01	0.96902E-06	
	0.64750E+01	0.99925E-06	
	0.71600E+01	0.10000E-05	
	0.78450E+01	0.10000E-05	
	0.85300E+01	0.10000E-05	
	0.92150E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.10585E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11955E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.3050E+00	0.75689E+00	
	0.6100E+00	0.50676E+00	
	0.9150E+00	0.29752E+00	
	0.1220E+01	0.15215E+00	
	0.1525E+01	0.67396E-01	
	0.1830E+01	0.25747E-01	
	0.2135E+01	0.84554E-02	
	0.2440E+01	0.23012E-02	
	0.2745E+01	0.57414E-03	
	0.3050E+01	0.11939E-03	
	0.3735E+01	0.10221E-05	
	0.4420E+01	0.24776E-06	
	0.5105E+01	0.62870E-06	
	0.5790E+01	0.90528E-06	
	0.6475E+01	0.98857E-06	
	0.7160E+01	0.99944E-06	
	0.7845E+01	0.99999E-06	
	0.8530E+01	0.10000E-05	
	0.9215E+01	0.10000E-05	
	0.9900E+01	0.10000E-05	
	0.1058E+02	0.10000E-05	
	0.1127E+02	0.10000E-05	
	0.1195E+02	0.10000E-05	
	0.1264E+02	0.10000E-05	
	0.1332E+02	0.10000E-05	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.3050E+00	0.90783E+00	
	0.6100E+00	0.79697E+00	
	0.9150E+00	0.67431E+00	
	0.1220E+01	0.54830E+00	
	0.1525E+01	0.42745E+00	
	0.1830E+01	0.31888E+00	
	0.2135E+01	0.22727E+00	
	0.2440E+01	0.15455E+00	
	0.2745E+01	0.10020E+00	
	0.3050E+01	0.61909E-01	
	0.3735E+01	0.14280E-01	
	0.4420E+01	0.23529E-02	
	0.5105E+01	0.27553E-03	
	0.5790E+01	0.23375E-04	
	0.6475E+01	0.21495E-05	
	0.7160E+01	0.98897E-06	
	0.7845E+01	0.98315E-06	
	0.8530E+01	0.99617E-06	
	0.9215E+01	0.99940E-06	
	0.9900E+01	0.99993E-06	
	0.1058E+02	0.99999E-06	
	0.1127E+02	0.10000E-05	
	0.1195E+02	0.10000E-05	
	0.1264E+02	0.10000E-05	
	0.1332E+02	0.10000E-05	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.77844E+00
	0.3050E+00	0.94704E+00	
	0.6100E+00	0.88146E+00	
	0.9150E+00	0.80483E+00	
	0.1220E+01	0.71969E+00	
	0.1525E+01	0.62937E+00	
	0.1830E+01	0.53754E+00	
	0.2135E+01	0.44789E+00	
	0.2440E+01	0.36374E+00	
	0.2745E+01	0.28768E+00	
	0.3050E+01	0.22148E+00	
	0.3735E+01	0.99212E-01	
	0.4420E+01	0.36586E-01	
	0.5105E+01	0.11043E-01	
	0.5790E+01	0.27215E-02	
	0.6475E+01	0.54743E-03	
	0.7160E+01	0.90381E-04	
	0.7845E+01	0.12897E-04	
	0.8530E+01	0.22850E-05	
	0.9215E+01	0.11093E-05	
	0.9900E+01	0.10058E-05	
	0.1058E+02	0.99970E-06	
	0.1127E+02	0.99984E-06	
	0.1195E+02	0.99997E-06	
	0.1264E+02	0.10000E-05	
	0.1332E+02	0.10000E-05	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.10000E+01	0.82228E+00
	0.3050E+00	0.95121E+00	
	0.6100E+00	0.89082E+00	
	0.9150E+00	0.82011E+00	
	0.1220E+01	0.74106E+00	
	0.1525E+01	0.65629E+00	
	0.1830E+01	0.56894E+00	
	0.2135E+01	0.48225E+00	
	0.2440E+01	0.39926E+00	
	0.2745E+01	0.32248E+00	
	0.3050E+01	0.25384E+00	
	0.3735E+01	0.12143E+00	
	0.4420E+01	0.48906E-01	
	0.5105E+01	0.16422E-01	
	0.5790E+01	0.45733E-02	
	0.6475E+01	0.10549E-02	
	0.7160E+01	0.20206E-03	
	0.7845E+01	0.32946E-04	
	0.8530E+01	0.53616E-05	
	0.9215E+01	0.15379E-05	
	0.9900E+01	0.10555E-05	
	0.1058E+02	0.10038E-05	
	0.1127E+02	0.99997E-06	
	0.1195E+02	0.99994E-06	
	0.1264E+02	0.99999E-06	
	0.1332E+02	0.10000E-05	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.1000E+01	0.86563E+00
	0.3050E+00	0.95503E+00	
	0.6100E+00	0.89928E+00	
	0.9150E+00	0.83377E+00	
	0.1220E+01	0.76012E+00	
	0.1525E+01	0.68046E+00	
	0.1830E+01	0.59742E+00	
	0.2135E+01	0.51384E+00	
	0.2440E+01	0.43245E+00	
	0.2745E+01	0.35568E+00	
	0.3050E+01	0.28555E+00	
	0.3735E+01	0.14487E+00	
	0.4420E+01	0.62797E-01	
	0.5105E+01	0.23080E-01	
	0.5790E+01	0.71411E-02	
	0.6475E+01	0.18546E-02	
	0.7160E+01	0.40455E-03	
	0.7845E+01	0.75048E-04	
	0.8530E+01	0.12747E-04	
	0.9215E+01	0.27194E-05	
	0.9900E+01	0.12379E-05	
	0.1058E+02	0.10276E-05	
	0.1127E+02	0.10022E-05	
	0.1195E+02	0.10000E-05	
	0.1264E+02	0.99997E-06	
	0.1332E+02	0.99999E-06	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.1000E+01	0.89465E+00
	0.3050E+00	0.95666E+00	
	0.6100E+00	0.90350E+00	
	0.9150E+00	0.84119E+00	
	0.1220E+01	0.77096E+00	
	0.1525E+01	0.69464E+00	
	0.1830E+01	0.61455E+00	
	0.2135E+01	0.53229E+00	
	0.2440E+01	0.45343E+00	
	0.2745E+01	0.37748E+00	
	0.3050E+01	0.30795E+00	
	0.3735E+01	0.16044E+00	
	0.4420E+01	0.72646E-01	
	0.5105E+01	0.28157E-01	
	0.5790E+01	0.92758E-02	
	0.6475E+01	0.25872E-02	
	0.7160E+01	0.61076E-03	
	0.7845E+01	0.12306E-03	
	0.8530E+01	0.22217E-04	
	0.9215E+01	0.44203E-05	
	0.9900E+01	0.15468E-05	
	0.1058E+02	0.10801E-05	
	0.1127E+02	0.10093E-05	
	0.1195E+02	0.10007E-05	
	0.1264E+02	0.10000E-05	
	0.1332E+02	0.99999E-06	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.1000E+01	0.90959E+00
	0.3050E+00	0.95644E+00	
	0.6100E+00	0.90423E+00	
	0.9150E+00	0.84345E+00	
	0.1220E+01	0.77497E+00	
	0.1525E+01	0.70046E+00	
	0.1830E+01	0.62208E+00	
	0.2135E+01	0.54227E+00	
	0.2440E+01	0.46362E+00	
	0.2745E+01	0.38900E+00	
	0.3050E+01	0.32215E+00	
	0.3735E+01	0.16782E+00	
	0.4420E+01	0.77458E-01	
	0.5105E+01	0.30788E-01	
	0.5790E+01	0.10452E-01	
	0.6475E+01	0.30175E-02	
	0.7160E+01	0.74039E-03	
	0.7845E+01	0.15557E-03	
	0.8530E+01	0.29210E-04	
	0.9215E+01	0.58219E-05	
	0.9900E+01	0.18434E-05	
	0.1058E+02	0.11430E-05	
	0.1127E+02	0.10201E-05	
	0.1195E+02	0.10021E-05	
	0.1264E+02	0.10001E-05	
	0.1332E+02	0.99999E-06	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.91053E+00
	0.3050E+00	0.95398E+00	
	0.6100E+00	0.90157E+00	
	0.9150E+00	0.84091E+00	
	0.1220E+01	0.77275E+00	
	0.1525E+01	0.69669E+00	
	0.1830E+01	0.62084E+00	
	0.2135E+01	0.54163E+00	
	0.2440E+01	0.46371E+00	
	0.2745E+01	0.39089E+00	
	0.3050E+01	0.33808E+00	
	0.3735E+01	0.16745E+00	
	0.4420E+01	0.77295E-01	
	0.5105E+01	0.30770E-01	
	0.5790E+01	0.10467E-01	
	0.6475E+01	0.30301E-02	
	0.7160E+01	0.74596E-03	
	0.7845E+01	0.15749E-03	
	0.8530E+01	0.29288E-04	
	0.9215E+01	0.60269E-05	
	0.9900E+01	0.19108E-05	
	0.1058E+02	0.11632E-05	
	0.1127E+02	0.10246E-05	
	0.1195E+02	0.10028E-05	
	0.1264E+02	0.10002E-05	
	0.1332E+02	0.10000E-05	
	0.1401E+02	0.10000E-05	
	0.1469E+02	0.10000E-05	
	0.1538E+02	0.10000E-05	
	0.1606E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.91568E+00
	0.3050E+00	0.94866E+00	
	0.6100E+00	0.89377E+00	
	0.9150E+00	0.83312E+00	
	0.1220E+01	0.76626E+00	
	0.1525E+01	0.69420E+00	
	0.1830E+01	0.61889E+00	
	0.2135E+01	0.54324E+00	
	0.2440E+01	0.47184E+00	
	0.2745E+01	0.41137E+00	
	0.3050E+01	0.36858E+00	
	0.3735E+01	0.16928E+00	
	0.4420E+01	0.77954E-01	
	0.5105E+01	0.31292E-01	
	0.5790E+01	0.10762E-01	
	0.6475E+01	0.31567E-02	
	0.7160E+01	0.78926E-03	
	0.7845E+01	0.16973E-03	
	0.8530E+01	0.32854E-04	
	0.9215E+01	0.67517E-05	
	0.9900E+01	0.20971E-05	
	0.10585E+02	0.12131E-05	
	0.11270E+02	0.10361E-05	
	0.11955E+02	0.10049E-05	
	0.12640E+02	0.10005E-05	
	0.13325E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.92131E+00
	0.3050E+00	0.94529E+00	
	0.6100E+00	0.88815E+00	
	0.9150E+00	0.82683E+00	
	0.1220E+01	0.76075E+00	
	0.1525E+01	0.69065E+00	
	0.1830E+01	0.61855E+00	
	0.2135E+01	0.54774E+00	
	0.2440E+01	0.48269E+00	
	0.2745E+01	0.42841E+00	
	0.3050E+01	0.38877E+00	
	0.3735E+01	0.17280E+00	
	0.4420E+01	0.78694E-01	
	0.5105E+01	0.31812E-01	
	0.5790E+01	0.11057E-01	
	0.6475E+01	0.32852E-02	
	0.7160E+01	0.83396E-03	
	0.7845E+01	0.18259E-03	
	0.8530E+01	0.36091E-04	
	0.9215E+01	0.75330E-05	
	0.9900E+01	0.22989E-05	
	0.10585E+02	0.12690E-05	
	0.11270E+02	0.10502E-05	
	0.11955E+02	0.10076E-05	
	0.12640E+02	0.10009E-05	
	0.13325E+02	0.10001E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.92725E+00
	0.3050E+00	0.94285E+00	
	0.6100E+00	0.88395E+00	
	0.9150E+00	0.82200E+00	
	0.1220E+01	0.75661E+00	
	0.1525E+01	0.68853E+00	
	0.1830E+01	0.61976E+00	
	0.2135E+01	0.55333E+00	
	0.2440E+01	0.49301E+00	
	0.2745E+01	0.44247E+00	
	0.3050E+01	0.40429E+00	
	0.3735E+01	0.17699E+00	
	0.4420E+01	0.79601E-01	
	0.5105E+01	0.32334E-01	
	0.5790E+01	0.11353E-01	
	0.6475E+01	0.34158E-02	
	0.7160E+01	0.88006E-03	
	0.7845E+01	0.19609E-03	
	0.8530E+01	0.39545E-04	
	0.9215E+01	0.83743E-05	
	0.9900E+01	0.25170E-05	
	0.10585E+02	0.13311E-05	
	0.11270E+02	0.10669E-05	
	0.11955E+02	0.10112E-05	
	0.12640E+02	0.10015E-05	
	0.13325E+02	0.10001E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.93343E+00
	0.3050E+00	0.94103E+00	
	0.6100E+00	0.88083E+00	
	0.9150E+00	0.81848E+00	
	0.1220E+01	0.75384E+00	
	0.1525E+01	0.68772E+00	
	0.1830E+01	0.62194E+00	
	0.2135E+01	0.55914E+00	
	0.2440E+01	0.50235E+00	
	0.2745E+01	0.45436E+00	
	0.3050E+01	0.41708E+00	
	0.3735E+01	0.18147E+00	
	0.4420E+01	0.80683E-01	
	0.5105E+01	0.32867E-01	
	0.5790E+01	0.11650E-01	
	0.6475E+01	0.35483E-02	
	0.7160E+01	0.92756E-03	
	0.7845E+01	0.21024E-03	
	0.8530E+01	0.43223E-04	
	0.9215E+01	0.92788E-05	
	0.9900E+01	0.27527E-05	
	0.10585E+02	0.13993E-05	
	0.11270E+02	0.10863E-05	
	0.11955E+02	0.10158E-05	
	0.12640E+02	0.10023E-05	
	0.13325E+02	0.10003E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.93978E+00
	0.30500E+00	0.93970E+00	
	0.61000E+00	0.87858E+00	
	0.91500E+00	0.81609E+00	
	0.12200E+01	0.75226E+00	
	0.15250E+01	0.68793E+00	
	0.18300E+01	0.62472E+00	
	0.21350E+01	0.56485E+00	
	0.24400E+01	0.51075E+00	
	0.27450E+01	0.46464E+00	
	0.30500E+01	0.42792E+00	
	0.37350E+01	0.18605E+00	
	0.44200E+01	0.81924E-01	
	0.51050E+01	0.33419E-01	
	0.57900E+01	0.11949E-01	
	0.64750E+01	0.36827E-02	
	0.71600E+01	0.97645E-03	
	0.78450E+01	0.22503E-03	
	0.85300E+01	0.47130E-04	
	0.92150E+01	0.10250E-04	
	0.99000E+01	0.30068E-05	
	0.10585E+02	0.14738E-05	
	0.11270E+02	0.11085E-05	
	0.11955E+02	0.10216E-05	
	0.12640E+02	0.10035E-05	
	0.13325E+02	0.10005E-05	
	0.14010E+02	0.10000E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.94626E+00
	0.30500E+00	0.93877E+00	
	0.61000E+00	0.87708E+00	
	0.91500E+00	0.81463E+00	
	0.12200E+01	0.75163E+00	
	0.15250E+01	0.68889E+00	
	0.18300E+01	0.62785E+00	
	0.21350E+01	0.57036E+00	
	0.24400E+01	0.51840E+00	
	0.27450E+01	0.47370E+00	
	0.30500E+01	0.43743E+00	
	0.37350E+01	0.19062E+00	
	0.44200E+01	0.83300E-01	
	0.51050E+01	0.33996E-01	
	0.57900E+01	0.12250E-01	
	0.64750E+01	0.38190E-02	
	0.71600E+01	0.10267E-02	
	0.78450E+01	0.24051E-03	
	0.85300E+01	0.51275E-04	
	0.92150E+01	0.11291E-04	
	0.99000E+01	0.32807E-05	
	0.10585E+02	0.15549E-05	
	0.11270E+02	0.11335E-05	
	0.11955E+02	0.10284E-05	
	0.12640E+02	0.10051E-05	
	0.13325E+02	0.10007E-05	
	0.14010E+02	0.10001E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.95282E+00
	0.30500E+00	0.93818E+00	
	0.61000E+00	0.87617E+00	
	0.91500E+00	0.81393E+00	
	0.12200E+01	0.75175E+00	
	0.15250E+01	0.69041E+00	
	0.18300E+01	0.63119E+00	
	0.21350E+01	0.57564E+00	
	0.24400E+01	0.52538E+00	
	0.27450E+01	0.48181E+00	
	0.30500E+01	0.44591E+00	
	0.37350E+01	0.19513E+00	
	0.44200E+01	0.84789E-01	
	0.51050E+01	0.34600E-01	
	0.57900E+01	0.12556E-01	
	0.64750E+01	0.39572E-02	
	0.71600E+01	0.10784E-02	
	0.78450E+01	0.25665E-03	
	0.85300E+01	0.55664E-04	
	0.92150E+01	0.12406E-04	
	0.99000E+01	0.35754E-05	
	0.10585E+02	0.16428E-05	
	0.11270E+02	0.11613E-05	
	0.11955E+02	0.10365E-05	
	0.12640E+02	0.10070E-05	
	0.13325E+02	0.10011E-05	
	0.14010E+02	0.10001E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.95944E+00
	0.30500E+00	0.93786E+00	
	0.61000E+00	0.87576E+00	
	0.91500E+00	0.81382E+00	
	0.12200E+01	0.75243E+00	
	0.15250E+01	0.69234E+00	
	0.18300E+01	0.63466E+00	
	0.21350E+01	0.58071E+00	
	0.24400E+01	0.53184E+00	
	0.27450E+01	0.48918E+00	
	0.30500E+01	0.45356E+00	
	0.37350E+01	0.19955E+00	
	0.44200E+01	0.86369E-01	
	0.51050E+01	0.35234E-01	
	0.57900E+01	0.12865E-01	
	0.64750E+01	0.40975E-02	
	0.71600E+01	0.11314E-02	
	0.78450E+01	0.27346E-03	
	0.85300E+01	0.60302E-04	
	0.92150E+01	0.13597E-04	
	0.99000E+01	0.38921E-05	
	0.10585E+02	0.17378E-05	
	0.11270E+02	0.11920E-05	
	0.11955E+02	0.10458E-05	
	0.12640E+02	0.10094E-05	
	0.13325E+02	0.10016E-05	
	0.14010E+02	0.10002E-05	
	0.14695E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.9660E+00
	0.3050E+00	0.9377E+00	
	0.6100E+00	0.8757E+00	
	0.9150E+00	0.8141E+00	
	0.1220E+01	0.7535E+00	
	0.1525E+01	0.6945E+00	
	0.1830E+01	0.6382E+00	
	0.2135E+01	0.5855E+00	
	0.2440E+01	0.5378E+00	
	0.2745E+01	0.4959E+00	
	0.3050E+01	0.4605E+00	
	0.3735E+01	0.2038E+00	
	0.4420E+01	0.0802E-01	
	0.5105E+01	0.3589E-01	
	0.5790E+01	0.1318E-01	
	0.6475E+01	0.4240E-02	
	0.7160E+01	0.1185E-02	
	0.7845E+01	0.2909E-03	
	0.8530E+01	0.6519E-04	
	0.9215E+01	0.1486E-04	
	0.9900E+01	0.4232E-05	
	0.1058E+02	0.1840E-05	
	0.1127E+02	0.1225E-05	
	0.1195E+02	0.1056E-05	
	0.1264E+02	0.1012E-05	
	0.1332E+02	0.1002E-05	
	0.1401E+02	0.1000E-05	
	0.1469E+02	0.1000E-05	
	0.1538E+02	0.1000E-05	
	0.1606E+02	0.1000E-05	

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.1000E+01	0.9727E+00
	0.3050E+00	0.9378E+00	
	0.6100E+00	0.8759E+00	
	0.9150E+00	0.8148E+00	
	0.1220E+01	0.7550E+00	
	0.1525E+01	0.6969E+00	
	0.1830E+01	0.6417E+00	
	0.2135E+01	0.5902E+00	
	0.2440E+01	0.5435E+00	
	0.2745E+01	0.5022E+00	
	0.3050E+01	0.4670E+00	
	0.3735E+01	0.2080E+00	
	0.4420E+01	0.8973E-01	
	0.5105E+01	0.3659E-01	
	0.5790E+01	0.1350E-01	
	0.6475E+01	0.4384E-02	
	0.7160E+01	0.1241E-02	
	0.7845E+01	0.3091E-03	
	0.8530E+01	0.7035E-04	
	0.9215E+01	0.1622E-04	
	0.9900E+01	0.4596E-05	
	0.1058E+02	0.1950E-05	
	0.1127E+02	0.1262E-05	
	0.1195E+02	0.1068E-05	
	0.1264E+02	0.1015E-05	
	0.1332E+02	0.1001E-05	
	0.1401E+02	0.1000E-05	
	0.1469E+02	0.1000E-05	
	0.1538E+02	0.1000E-05	
	0.1606E+02	0.1000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.1000E+01	0.9793E+00
	0.3050E+00	0.9380E+00	
	0.6100E+00	0.8765E+00	
	0.9150E+00	0.8158E+00	
	0.1220E+01	0.7566E+00	
	0.1525E+01	0.6995E+00	
	0.1830E+01	0.6453E+00	
	0.2135E+01	0.5948E+00	
	0.2440E+01	0.5488E+00	
	0.2745E+01	0.5080E+00	
	0.3050E+01	0.4730E+00	
	0.3735E+01	0.2121E+00	
	0.4420E+01	0.9149E-01	
	0.5105E+01	0.3731E-01	
	0.5790E+01	0.1383E-01	
	0.6475E+01	0.4532E-02	
	0.7160E+01	0.1298E-02	
	0.7845E+01	0.3280E-03	
	0.8530E+01	0.7578E-04	
	0.9215E+01	0.1768E-04	
	0.9900E+01	0.4987E-05	
	0.1058E+02	0.2068E-05	
	0.1127E+02	0.1302E-05	
	0.1195E+02	0.1081E-05	
	0.1264E+02	0.1019E-05	
	0.1332E+02	0.1004E-05	
	0.1401E+02	0.1000E-05	
	0.1469E+02	0.1000E-05	
	0.1538E+02	0.1000E-05	
	0.1606E+02	0.1000E-05	

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.1000E+01	0.9859E+00
	0.3050E+00	0.9382E+00	
	0.6100E+00	0.8771E+00	
	0.9150E+00	0.8170E+00	
	0.1220E+01	0.7585E+00	
	0.1525E+01	0.7022E+00	
	0.1830E+01	0.6488E+00	
	0.2135E+01	0.5992E+00	
	0.2440E+01	0.5539E+00	
	0.2745E+01	0.5135E+00	
	0.3050E+01	0.4787E+00	
	0.3735E+01	0.2161E+00	
	0.4420E+01	0.9328E-01	
	0.5105E+01	0.3805E-01	
	0.5790E+01	0.1417E-01	
	0.6475E+01	0.4681E-02	
	0.7160E+01	0.1357E-02	
	0.7845E+01	0.3475E-03	
	0.8530E+01	0.8149E-04	
	0.9215E+01	0.1920E-04	
	0.9900E+01	0.5404E-05	
	0.1058E+02	0.2195E-05	
	0.1127E+02	0.1343E-05	
	0.1195E+02	0.1095E-05	
	0.1264E+02	0.1024E-05	
	0.1332E+02	0.1005E-05	
	0.1401E+02	0.1001E-05	
	0.1469E+02	0.1000E-05	
	0.1538E+02	0.1000E-05	
	0.1606E+02	0.1000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10078E+01
	0.30500E+00	0.94374E+00	
	0.61000E+00	0.88505E+00	
	0.91500E+00	0.82611E+00	
	0.12200E+01	0.76836E+00	
	0.15250E+01	0.71272E+00	
	0.18300E+01	0.65907E+00	
	0.21350E+01	0.61014E+00	
	0.24400E+01	0.56313E+00	
	0.27450E+01	0.51745E+00	
	0.30500E+01	0.47178E+00	
	0.37350E+01	0.23718E+00	
	0.44200E+01	0.10344E+00	
	0.51050E+01	0.42597E-01	
	0.57900E+01	0.16165E-01	
	0.64750E+01	0.55013E-02	
	0.71600E+01	0.16550E-02	
	0.78450E+01	0.44107E-03	
	0.85300E+01	0.10702E-03	
	0.92150E+01	0.25468E-04	
	0.99000E+01	0.69013E-05	
	0.10585E+02	0.25838E-05	
	0.11270E+02	0.14614E-05	
	0.11955E+02	0.11343E-05	
	0.12640E+02	0.10362E-05	
	0.13325E+02	0.10087E-05	
	0.14010E+02	0.10018E-05	
	0.14695E+02	0.10003E-05	
	0.15380E+02	0.10000E-05	
	0.16065E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.10440E+01
	0.30500E+00	0.95063E+00	
	0.61000E+00	0.89648E+00	
	0.91500E+00	0.84097E+00	
	0.12200E+01	0.78490E+00	
	0.15250E+01	0.72993E+00	
	0.18300E+01	0.67675E+00	
	0.21350E+01	0.62535E+00	
	0.24400E+01	0.57505E+00	
	0.27450E+01	0.52481E+00	
	0.30500E+01	0.47427E+00	
	0.37350E+01	0.26694E+00	
	0.44200E+01	0.12379E+00	
	0.51050E+01	0.52129E-01	
	0.57900E+01	0.20372E-01	
	0.64750E+01	0.72472E-02	
	0.71600E+01	0.23068E-02	
	0.78450E+01	0.65419E-03	
	0.85300E+01	0.16776E-03	
	0.92150E+01	0.40863E-04	
	0.99000E+01	0.10568E-04	
	0.10585E+02	0.34859E-05	
	0.11270E+02	0.17115E-05	
	0.11955E+02	0.12119E-05	
	0.12640E+02	0.10608E-05	
	0.13325E+02	0.10160E-05	
	0.14010E+02	0.10037E-05	
	0.14695E+02	0.10008E-05	
	0.15380E+02	0.10001E-05	
	0.16065E+02	0.10000E-05	

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.10941E+01
	0.30500E+00	0.95766E+00	
	0.61000E+00	0.90992E+00	
	0.91500E+00	0.85861E+00	
	0.12200E+01	0.80547E+00	
	0.15250E+01	0.75180E+00	
	0.18300E+01	0.69841E+00	
	0.21350E+01	0.64555E+00	
	0.24400E+01	0.59299E+00	
	0.27450E+01	0.54043E+00	
	0.30500E+01	0.48813E+00	
	0.37350E+01	0.30101E+00	
	0.44200E+01	0.15388E+00	
	0.51050E+01	0.68690E-01	
	0.57900E+01	0.27983E-01	
	0.64750E+01	0.10483E-01	
	0.71600E+01	0.35688E-02	
	0.78450E+01	0.10939E-02	
	0.85300E+01	0.30282E-03	
	0.92150E+01	0.77643E-04	
	0.99000E+01	0.19726E-04	
	0.10585E+02	0.57139E-05	
	0.11270E+02	0.22930E-05	
	0.11955E+02	0.13804E-05	
	0.12640E+02	0.11137E-05	
	0.13325E+02	0.10324E-05	
	0.14010E+02	0.10084E-05	
	0.14695E+02	0.10020E-05	
	0.15380E+02	0.10004E-05	
	0.16065E+02	0.10001E-05	

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.11576E+01
	0.30500E+00	0.96418E+00	
	0.61000E+00	0.92267E+00	
	0.91500E+00	0.87670E+00	
	0.12200E+01	0.82755E+00	
	0.15250E+01	0.77640E+00	
	0.18300E+01	0.72410E+00	
	0.21350E+01	0.67119E+00	
	0.24400E+01	0.61797E+00	
	0.27450E+01	0.56468E+00	
	0.30500E+01	0.51188E+00	
	0.37350E+01	0.33894E+00	
	0.44200E+01	0.19163E+00	
	0.51050E+01	0.93763E-01	
	0.57900E+01	0.40915E-01	
	0.64750E+01	0.16298E-01	
	0.71600E+01	0.59559E-02	
	0.78450E+01	0.19860E-02	
	0.85300E+01	0.60205E-03	
	0.92150E+01	0.16725E-03	
	0.99000E+01	0.43945E-04	
	0.10585E+02	0.11836E-04	
	0.11270E+02	0.38350E-05	
	0.11955E+02	0.17987E-05	
	0.12640E+02	0.12381E-05	
	0.13325E+02	0.10712E-05	
	0.14010E+02	0.10204E-05	
	0.14695E+02	0.10054E-05	
	0.15380E+02	0.10013E-05	
	0.16065E+02	0.10003E-05	

0.16750E+02 0.10001E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10002E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.12342E+01
	0.3050E+00	0.96995E+00	
	0.6100E+00	0.93436E+00	
	0.9150E+00	0.89394E+00	
	0.1220E+01	0.84957E+00	
	0.1525E+01	0.80213E+00	
	0.1830E+01	0.75244E+00	
	0.2135E+01	0.70117E+00	
	0.2440E+01	0.64888E+00	
	0.2745E+01	0.59614E+00	
	0.3050E+01	0.54308E+00	
	0.3735E+01	0.38117E+00	
	0.4420E+01	0.23538E+00	
	0.5105E+01	0.12744E+00	
	0.5790E+01	0.61124E-01	
	0.6475E+01	0.26428E-01	
	0.7160E+01	0.10445E-01	
	0.7845E+01	0.37932E-02	
	0.8530E+01	0.12645E-02	
	0.9215E+01	0.38708E-03	
	0.9900E+01	0.10994E-03	
	0.10585E+02	0.29985E-04	
	0.11270E+02	0.85641E-05	
	0.11955E+02	0.30352E-05	
	0.12640E+02	0.15814E-05	
	0.13325E+02	0.11738E-05	
	0.14010E+02	0.10521E-05	
	0.14695E+02	0.10151E-05	
	0.15380E+02	0.10041E-05	
	0.16065E+02	0.10010E-05	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.13237E+01
	0.3050E+00	0.97495E+00	
	0.6100E+00	0.94477E+00	
	0.9150E+00	0.90981E+00	
	0.1220E+01	0.87058E+00	
	0.1525E+01	0.82771E+00	
	0.1830E+01	0.78184E+00	
	0.2135E+01	0.73361E+00	
	0.2440E+01	0.68367E+00	
	0.2745E+01	0.63269E+00	
	0.3050E+01	0.58147E+00	
	0.3735E+01	0.42774E+00	
	0.4420E+01	0.28427E+00	
	0.5105E+01	0.16902E+00	
	0.5790E+01	0.89783E-01	
	0.6475E+01	0.42887E-01	
	0.7160E+01	0.18613E-01	
	0.7845E+01	0.74075E-02	
	0.8530E+01	0.27171E-02	
	0.9215E+01	0.92037E-03	
	0.9900E+01	0.28875E-03	
	0.10585E+02	0.84843E-04	
	0.11270E+02	0.24144E-04	
	0.11955E+02	0.72502E-05	
	0.12640E+02	0.27200E-05	
	0.13325E+02	0.14949E-05	
	0.14010E+02	0.11478E-05	
	0.14695E+02	0.10445E-05	
	0.15380E+02	0.10131E-05	
	0.16065E+02	0.10036E-05	

0.16750E+02 0.10010E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.10038E-05
 0.17435E+02 0.10010E-05
 0.18120E+02 0.10003E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.14261E+01
	0.3050E+00	0.97926E+00	
	0.6100E+00	0.95392E+00	
	0.9150E+00	0.92410E+00	
	0.1220E+01	0.89005E+00	
	0.1525E+01	0.85214E+00	
	0.1830E+01	0.81084E+00	
	0.2135E+01	0.76665E+00	
	0.2440E+01	0.72017E+00	
	0.2745E+01	0.67202E+00	
	0.3050E+01	0.62298E+00	
	0.3735E+01	0.47799E+00	
	0.4420E+01	0.33772E+00	
	0.5105E+01	0.21762E+00	
	0.5790E+01	0.12715E+00	
	0.6475E+01	0.67320E-01	
	0.7160E+01	0.32417E-01	
	0.7845E+01	0.14285E-01	
	0.8530E+01	0.57964E-02	
	0.9215E+01	0.21761E-02	
	0.9900E+01	0.75838E-03	
	0.10585E+02	0.24640E-03	
	0.11270E+02	0.75447E-04	
	0.11955E+02	0.22438E-04	
	0.12640E+02	0.70070E-05	
	0.13325E+02	0.26917E-05	
	0.14010E+02	0.14904E-05	
	0.14695E+02	0.11463E-05	
	0.15380E+02	0.10441E-05	
	0.16065E+02	0.10131E-05	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.15412E+01
	0.3050E+00	0.98294E+00	
	0.6100E+00	0.96188E+00	
	0.9150E+00	0.93677E+00	
	0.1220E+01	0.90767E+00	
	0.1525E+01	0.87477E+00	
	0.1830E+01	0.83835E+00	
	0.2135E+01	0.79878E+00	
	0.2440E+01	0.75649E+00	
	0.2745E+01	0.71202E+00	
	0.3050E+01	0.66603E+00	
	0.3735E+01	0.53065E+00	
	0.4420E+01	0.39490E+00	
	0.5105E+01	0.27232E+00	
	0.5790E+01	0.17287E+00	
	0.6475E+01	0.10064E+00	
	0.7160E+01	0.53699E-01	
	0.7845E+01	0.26309E-01	
	0.8530E+01	0.11878E-01	
	0.9215E+01	0.49624E-02	
	0.9900E+01	0.19261E-02	
	0.10585E+02	0.69706E-03	
	0.11270E+02	0.23632E-03	
	0.11955E+02	0.75794E-04	
	0.12640E+02	0.23575E-04	
	0.13325E+02	0.75934E-05	
	0.14010E+02	0.29103E-05	
	0.14695E+02	0.15610E-05	
	0.15380E+02	0.11679E-05	
	0.16065E+02	0.10508E-05	

0.16065E+02 0.15380E+02 0.14695E+02 0.14010E+02 0.13325E+02 0.12640E+02 0.11955E+02 0.11270E+02 0.10585E+02 0.9900E+01 0.92130E+01 0.8530E+01 0.78450E+01 0.7160E+01 0.64750E+01 0.5790E+01 0.51050E+01 0.44200E+01 0.37350E+01 0.3050E+01 0.27450E+01 0.2490E+01 0.2235E+01 0.1930E+01 0.1525E+01 0.1220E+01 0.9150E+00 0.6100E+00 0.3050E+00 0.1000E+00 0.1400E+03 0.21292E+01

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

ANALYSIS FOR TIME PERIOD 36

0.30450E+02 0.29765E+02 0.29080E+02 0.28395E+02 0.27710E+02 0.27025E+02 0.26340E+02 0.25655E+02 0.24970E+02 0.24285E+02 0.23600E+02 0.22915E+02 0.22230E+02 0.21545E+02 0.20860E+02 0.20175E+02 0.19490E+02 0.18805E+02 0.18120E+02 0.17435E+02 0.16750E+02

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

ANALYSIS FOR TIME PERIOD 34

0.16065E+02 0.15380E+02 0.14695E+02 0.14010E+02 0.13325E+02 0.12640E+02 0.11955E+02 0.11270E+02 0.10585E+02 0.9900E+01 0.92130E+01 0.8530E+01 0.78450E+01 0.7160E+01 0.64750E+01 0.5790E+01 0.51050E+01 0.44200E+01 0.37350E+01 0.3050E+01 0.27450E+01 0.2490E+01 0.2235E+01 0.1930E+01 0.1525E+01 0.1220E+01 0.9150E+00 0.6100E+00 0.3050E+00 0.1000E+00 0.1300E+03 0.18097E+01

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

ANALYSIS FOR TIME PERIOD 34

0.16750E+02 0.16065E+02 0.15380E+02 0.14695E+02 0.14010E+02 0.13325E+02 0.12640E+02 0.11955E+02 0.11270E+02 0.10585E+02 0.9900E+01 0.92130E+01 0.8530E+01 0.78450E+01 0.7160E+01 0.64750E+01 0.5790E+01 0.51050E+01 0.44200E+01 0.37350E+01 0.3050E+01 0.27450E+01 0.2490E+01 0.2235E+01 0.1930E+01 0.1525E+01 0.1220E+01 0.9150E+00 0.6100E+00 0.3050E+00 0.1000E+00 0.1300E+03 0.18097E+01

0.16065E+02 0.15380E+02 0.14695E+02 0.14010E+02 0.13325E+02 0.12640E+02 0.11955E+02 0.11270E+02 0.10585E+02 0.9900E+01 0.92130E+01 0.8530E+01 0.78450E+01 0.7160E+01 0.64750E+01 0.5790E+01 0.51050E+01 0.44200E+01 0.37350E+01 0.3050E+01 0.27450E+01 0.2490E+01 0.2235E+01 0.1930E+01 0.1525E+01 0.1220E+01 0.9150E+00 0.6100E+00 0.3050E+00 0.1000E+00 0.1330E+03 0.19631E+01

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

ANALYSIS FOR TIME PERIOD 35

0.30450E+02 0.29765E+02 0.29080E+02 0.28395E+02 0.27710E+02 0.27025E+02 0.26340E+02 0.25655E+02 0.24970E+02 0.24285E+02 0.23600E+02 0.22915E+02 0.22230E+02 0.21545E+02 0.20860E+02 0.20175E+02 0.19490E+02 0.18805E+02 0.18120E+02 0.17435E+02 0.16750E+02

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

ANALYSIS FOR TIME PERIOD 35

0.16065E+02 0.15380E+02 0.14695E+02 0.14010E+02 0.13325E+02 0.12640E+02 0.11955E+02 0.11270E+02 0.10585E+02 0.9900E+01 0.92130E+01 0.8530E+01 0.78450E+01 0.7160E+01 0.64750E+01 0.5790E+01 0.51050E+01 0.44200E+01 0.37350E+01 0.3050E+01 0.27450E+01 0.2490E+01 0.2235E+01 0.1930E+01 0.1525E+01 0.1220E+01 0.9150E+00 0.6100E+00 0.3050E+00 0.1000E+00 0.1250E+03 0.16693E+01

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

ANALYSIS FOR TIME PERIOD 33

0.16750E+02 0.16065E+02 0.15380E+02 0.14695E+02 0.14010E+02 0.13325E+02 0.12640E+02 0.11955E+02 0.11270E+02 0.10585E+02 0.9900E+01 0.92130E+01 0.8530E+01 0.78450E+01 0.7160E+01 0.64750E+01 0.5790E+01 0.51050E+01 0.44200E+01 0.37350E+01 0.3050E+01 0.27450E+01 0.2490E+01 0.2235E+01 0.1930E+01 0.1525E+01 0.1220E+01 0.9150E+00 0.6100E+00 0.3050E+00 0.1000E+00 0.1250E+03 0.16693E+01

0.16750E+02 0.93837E-05
 0.17435E+02 0.38463E-05
 0.18120E+02 0.19491E-05
 0.18805E+02 0.13127E-05
 0.19490E+02 0.11018E-05
 0.20175E+02 0.10327E-05
 0.20860E+02 0.10103E-05
 0.21545E+02 0.10032E-05
 0.22230E+02 0.10010E-05
 0.22915E+02 0.10003E-05
 0.23600E+02 0.10001E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.16750E+02 0.38798E-04
 0.17435E+02 0.14995E-04
 0.18120E+02 0.60187E-05
 0.18805E+02 0.27570E-05
 0.19490E+02 0.16046E-05
 0.20175E+02 0.12050E-05
 0.20860E+02 0.10689E-05
 0.21545E+02 0.10224E-05
 0.22230E+02 0.10072E-05
 0.22915E+02 0.10023E-05
 0.23600E+02 0.10007E-05
 0.24285E+02 0.10002E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.10000E+01	0.23083E+01
	0.3050E+00	0.99427E+00	
	0.6100E+00	0.98695E+00	
	0.9150E+00	0.97784E+00	
	0.1220E+01	0.96679E+00	
	0.1525E+01	0.95363E+00	
	0.1830E+01	0.93822E+00	
	0.2135E+01	0.92046E+00	
	0.2440E+01	0.90028E+00	
	0.2745E+01	0.87764E+00	
	0.3050E+01	0.85256E+00	
	0.3735E+01	0.77632E+00	
	0.4420E+01	0.68632E+00	
	0.5105E+01	0.58705E+00	
	0.5790E+01	0.48424E+00	
	0.6475E+01	0.38402E+00	
	0.7160E+01	0.29199E+00	
	0.7845E+01	0.21235E+00	
	0.8530E+01	0.14741E+00	
	0.9215E+01	0.97516E-01	
	0.9900E+01	0.61396E-01	
	0.10585E+02	0.36755E-01	
	0.11270E+02	0.20910E-01	
	0.11955E+02	0.11302E-01	
	0.12640E+02	0.58040E-02	
	0.13325E+02	0.28331E-02	
	0.14010E+02	0.13153E-02	
	0.14695E+02	0.58155E-03	
	0.15380E+02	0.24537E-03	
	0.16065E+02	0.99213E-04	

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

POLLUTE SIMULATION
 ANALYSIS COMPLETED
 TIME - 11:40:22

EXECUTION TIME 0: 3

#VAR Existing Expansion Area - EL2DHXX.IN
 Z HOLAY :No. of Layers
 H 0.018 0.36 0 ARE ANY LAYERS FRACTURED?
 0.0315 0.41 0 1.91 3.05 10
 2 MT - Top Boundary Code 27.4 40
 4 MB - Base Boundary Code
 H Is there Decay
 Y Do you have an initial concentration profile?
 7 Is there a variation in velocity within groups?
 Number of groups of variable data
 Time at which analysis starts
 5 5 1 T(end), No. Time Steps, CO
 0 0.00756 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 15 2 1 T(end), No. Time Steps, CO
 0 0 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 16 1 1 T(end), No. Time Steps, CO
 0 0 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 19 3 1 T(end), No. Time Steps, CO
 0 -0.0126 0 0 DCO, DVa, DVb, DQc
 0.0378 0.9 Va, alpha
 20 1 1 T(end), No. Time Steps, CO
 0 0 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 75 11 1 T(end), No. Time Steps, CO
 0 0 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 145 14 1 T(end), No. Time Steps, CO
 0 0.0027 0 0 DCO, DVa, DVb, DQc
 0 0.9 Va, alpha
 Y Accept default TALBOT parameters?
 H Limited number of depths for results

POLLUTEV6 SIMULATION
 RUN DATE - 27- 8-88
 TIME - 11:41:52
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.5000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	1.000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

IVAR Existing Expansion Area - EL2DHW.LH

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.1800E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.3150E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RIU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.45952E-24	
	0.37350E+01	0.13009E-29	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01	0.27342E-33
0.51050E+01	0.30174E-37
0.57900E+01	0.76096E-42
0.64750E+01	0.66691E-47
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.1000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25164E-14	
	0.30500E+01	0.15452E-15	
	0.37350E+01	0.38807E-18	

0.44200E+01 0.23685E-20
 0.51050E+01 0.13843E-16
 0.57900E+01 0.42508E-11
 0.64750E+01 0.12411E-07
 0.71600E+01 0.48558E-06
 0.78450E+01 0.98507E-06
 0.85300E+01 0.9999E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15130E-14
 0.51050E+01 0.33553E-11
 0.57900E+01 0.10227E-08
 0.64750E+01 0.46127E-07
 0.71600E+01 0.38690E-06
 0.78450E+01 0.84979E-06
 0.85300E+01 0.99196E-06
 0.92150E+01 0.9998E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
	0.3050E+00	0.55442E+00	
	0.6100E+00	0.22053E+00	
	0.9150E+00	0.61633E-01	
	0.1220E+01	0.11926E-01	
	0.1525E+01	0.15779E-02	
	0.1830E+01	0.18151E-03	
	0.2135E+01	0.85531E-05	
	0.2440E+01	0.34683E-06	
	0.2745E+01	0.93990E-08	
	0.3050E+01	0.15250E-09	
	0.3735E+01	0.10491E-13	

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.21292E+00
	0.3050E+00	0.67567E+00	
	0.6100E+00	0.37700E+00	
	0.9150E+00	0.17147E+00	
	0.1220E+01	0.62969E-01	
	0.1525E+01	0.18524E-01	
	0.1830E+01	0.43396E-02	
	0.2135E+01	8.0628E-03	
	0.2440E+01	0.11845E-03	
	0.2745E+01	0.13719E-04	
	0.3050E+01	0.11446E-05	
	0.3735E+01	0.27895E-08	

0.44200E+01 0.37307E-11
 0.51050E+01 0.16711E-09
 0.57900E+01 0.59379E-08
 0.64750E+01 0.72992E-07
 0.71600E+01 0.34277E-06
 0.78450E+01 0.73078E-06
 0.85300E+01 0.94670E-06
 0.92150E+01 0.99556E-06
 0.99000E+01 0.99984E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14527E-07
 0.51050E+01 0.11224E-08
 0.57900E+01 0.13864E-07
 0.64750E+01 0.90458E-07
 0.71600E+01 0.31378E-06
 0.78450E+01 0.63776E-06
 0.85300E+01 0.87980E-06
 0.92150E+01 0.97635E-06
 0.99000E+01 0.99735E-06
 0.10585E+02 0.99983E-06
 0.11270E+02 0.99999E-06
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.3050E+00	0.75689E+00	
	0.6100E+00	0.50676E+00	
	0.9150E+00	0.29752E+00	
	0.1220E+01	0.15215E+00	
	0.1525E+01	0.67396E-01	
	0.1830E+01	0.25747E-01	
	0.2135E+01	0.84554E-02	
	0.2440E+01	0.23810E-02	
	0.2745E+01	0.57272E-03	
	0.3050E+01	0.10924E-03	
	0.3735E+01	0.18620E-05	

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.3050E+00	0.90783E+00	
	0.6100E+00	0.79697E+00	
	0.9150E+00	0.67430E+00	
	0.1220E+01	0.54828E+00	
	0.1525E+01	0.42741E+00	
	0.1830E+01	0.31876E+00	
	0.2135E+01	0.22695E+00	
	0.2440E+01	0.15376E+00	
	0.2745E+01	0.98312E-01	
	0.3050E+01	0.57660E-01	
	0.3735E+01	0.15888E-01	

0.44200E+01 0.33961E-02
 0.51050E+01 0.56804E-03
 0.57900E+01 0.71371E-04
 0.64750E+01 0.70889E-05
 0.71600E+01 0.77464E-06
 0.78450E+01 0.46608E-06
 0.85300E+01 0.63557E-06
 0.92150E+01 0.80106E-06
 0.99000E+01 0.91077E-06
 0.10585E+02 0.96741E-06
 0.11270E+02 0.99038E-06
 0.11955E+02 0.99772E-06
 0.12640E+02 0.99957E-06
 0.13325E+02 0.99993E-06
 0.14010E+02 0.99999E-06
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.42457E-01
 0.51050E+01 0.15370E-01
 0.57900E+01 0.47757E-02
 0.64750E+01 0.12722E-02
 0.71600E+01 0.29040E-03
 0.78450E+01 0.57000E-04
 0.85300E+01 0.99709E-05
 0.92150E+01 0.20123E-05
 0.99000E+01 0.95140E-06
 0.10585E+02 0.89722E-06
 0.11270E+02 0.94224E-06
 0.11955E+02 0.97447E-06
 0.12640E+02 0.99031E-06
 0.13325E+02 0.99680E-06
 0.14010E+02 0.99908E-06
 0.14695E+02 0.99977E-06
 0.15380E+02 0.99959E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.77844E+00
	0.3050E+00	0.94702E+00	
	0.6100E+00	0.88139E+00	
	0.9150E+00	0.80467E+00	
	0.1220E+01	0.71937E+00	
	0.1525E+01	0.62871E+00	
	0.1830E+01	0.53625E+00	
	0.2135E+01	0.44543E+00	
	0.2440E+01	0.35915E+00	
	0.2745E+01	0.27937E+00	
	0.3050E+01	0.20686E+00	
	0.3735E+01	0.10087E+00	

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.1000E+01	0.82228E+00
	0.3050E+00	0.95117E+00	
	0.6100E+00	0.89072E+00	
	0.9150E+00	0.81988E+00	
	0.1220E+01	0.74059E+00	
	0.1525E+01	0.65538E+00	
	0.1830E+01	0.56720E+00	
	0.2135E+01	0.47903E+00	
	0.2440E+01	0.39352E+00	
	0.2745E+01	0.31258E+00	
	0.3050E+01	0.23718E+00	
	0.3735E+01	0.12270E+00	

0.44200E+01 0.55630E-01
 0.51050E+01 0.21989E-01
 0.57900E+01 0.75502E-02
 0.64750E+01 0.22485E-02
 0.71600E+01 0.58038E-03
 0.78450E+01 0.13005E-03
 0.85300E+01 0.25717E-04
 0.92150E+01 0.49898E-05
 0.99000E+01 0.14550E-05
 0.10585E+02 0.95884E-06
 0.11270E+02 0.93724E-06
 0.11955E+02 0.96599E-06
 0.12640E+02 0.98546E-06
 0.13325E+02 0.99463E-06
 0.14010E+02 0.99826E-06
 0.14695E+02 0.99950E-06
 0.15380E+02 0.99987E-06
 0.16065E+02 0.99997E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.70226E-01
 0.51050E+01 0.29911E-01
 0.57900E+01 0.11192E-01
 0.64750E+01 0.36701E-02
 0.71600E+01 0.10536E-02
 0.78450E+01 0.26493E-03
 0.85300E+01 0.58815E-04
 0.92150E+01 0.12081E-04
 0.99000E+01 0.28232E-05
 0.10585E+02 0.12053E-05
 0.11270E+02 0.96793E-06
 0.11955E+02 0.96206E-06
 0.12640E+02 0.98021E-06
 0.13325E+02 0.99177E-06
 0.14010E+02 0.99703E-06
 0.14695E+02 0.99905E-06
 0.15380E+02 0.99973E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.1000E+01	0.86565E+00
	0.3050E+00	0.95497E+00	
	0.6100E+00	0.89912E+00	
	0.9150E+00	0.83345E+00	
	0.1220E+01	0.75947E+00	
	0.1525E+01	0.67924E+00	
	0.1830E+01	0.59518E+00	
	0.2135E+01	0.50987E+00	
	0.2440E+01	0.42564E+00	
	0.2745E+01	0.34430E+00	
	0.3050E+01	0.26695E+00	
	0.3735E+01	0.14546E+00	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.1000E+01	0.89467E+00
	0.3050E+00	0.95658E+00	
	0.6100E+00	0.90330E+00	
	0.9150E+00	0.84078E+00	
	0.1220E+01	0.77015E+00	
	0.1525E+01	0.69315E+00	
	0.1830E+01	0.61190E+00	
	0.2135E+01	0.52866E+00	
	0.2440E+01	0.44550E+00	
	0.2745E+01	0.36390E+00	
	0.3050E+01	0.28450E+00	
	0.3735E+01	0.16133E+00	

0.44200E+01 0.81185E-01
 0.51050E+01 0.36279E-01
 0.57900E+01 0.14352E-01
 0.64750E+01 0.50122E-02
 0.71600E+01 0.15430E-02
 0.78450E+01 0.41877E-03
 0.85300E+01 0.10069E-03
 0.92150E+01 0.22069E-04
 0.99000E+01 0.49932E-05
 0.10585E+02 0.16549E-05
 0.11270E+02 0.10529E-05
 0.11955E+02 0.97138E-06
 0.12640E+02 0.97765E-06
 0.13325E+02 0.98932E-06
 0.14010E+02 0.99578E-06
 0.14695E+02 0.99854E-06
 0.15380E+02 0.99950E-06
 0.16065E+02 0.99987E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.87585E-01
 0.51050E+01 0.40263E-01
 0.57900E+01 0.16456E-01
 0.64750E+01 0.59657E-02
 0.71600E+01 0.19149E-02
 0.78450E+01 0.54414E-03
 0.85300E+01 0.13745E-03
 0.92150E+01 0.31556E-04
 0.99000E+01 0.72286E-05
 0.10585E+02 0.21709E-05
 0.11270E+02 0.11706E-05
 0.11955E+02 0.99286E-06
 0.12640E+02 0.97878E-06
 0.13325E+02 0.98787E-06
 0.14010E+02 0.99479E-06
 0.14695E+02 0.99808E-06
 0.15380E+02 0.99937E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99995E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.90961E+00
	0.30500E+00	0.95634E+00	
	0.61000E+00	0.90399E+00	
	0.91500E+00	0.84295E+00	
	0.12200E+01	0.77403E+00	
	0.15250E+01	0.69875E+00	
	0.18300E+01	0.61905E+00	
	0.21350E+01	0.53700E+00	
	0.24400E+01	0.45442E+00	
	0.27450E+01	0.37228E+00	
	0.30500E+01	0.29014E+00	
	0.37350E+01	0.16963E+00	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.91056E+00
	0.30500E+00	0.95387E+00	
	0.61000E+00	0.90129E+00	
	0.91500E+00	0.84035E+00	
	0.12200E+01	0.77171E+00	
	0.15250E+01	0.69680E+00	
	0.18300E+01	0.61751E+00	
	0.21350E+01	0.53578E+00	
	0.24400E+01	0.45325E+00	
	0.27450E+01	0.37033E+00	
	0.30500E+01	0.28142E+00	
	0.37350E+01	0.17054E+00	

0.44200E+01 0.89098E-01
 0.51050E+01 0.41444E-01
 0.57900E+01 0.17172E-01
 0.64750E+01 0.63248E-02
 0.71600E+01 0.20675E-02
 0.78450E+01 0.59969E-03
 0.85300E+01 0.15499E-03
 0.92150E+01 0.36482E-04
 0.99000E+01 0.85261E-05
 0.10585E+02 0.25190E-05
 0.11270E+02 0.12667E-05
 0.11955E+02 0.10158E-05
 0.12640E+02 0.98221E-06
 0.13325E+02 0.98756E-06
 0.14010E+02 0.99426E-06
 0.14695E+02 0.99778E-06
 0.15380E+02 0.99924E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.98907E-01
 0.51050E+01 0.48814E-01
 0.57900E+01 0.21554E-01
 0.64750E+01 0.85378E-02
 0.71600E+01 0.30313E-02
 0.78450E+01 0.96418E-03
 0.85300E+01 0.27528E-03
 0.92150E+01 0.71306E-04
 0.99000E+01 0.17465E-04
 0.10585E+02 0.46205E-05
 0.11270E+02 0.17528E-05
 0.11955E+02 0.11302E-05
 0.12640E+02 0.10057E-05
 0.13325E+02 0.98998E-06
 0.14010E+02 0.99327E-06
 0.14695E+02 0.99659E-06
 0.15380E+02 0.99883E-06
 0.16065E+02 0.99960E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.00000E+00	0.10000E+01	0.91572E+00
	0.30500E+00	0.94848E+00	
	0.61000E+00	0.89335E+00	
	0.91500E+00	0.83230E+00	
	0.12200E+01	0.76477E+00	
	0.15250E+01	0.69149E+00	
	0.18300E+01	0.61382E+00	
	0.21350E+01	0.53304E+00	
	0.24400E+01	0.44968E+00	
	0.27450E+01	0.36340E+00	
	0.30500E+01	0.27449E+00	
	0.37350E+01	0.17695E+00	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.92137E+00
	0.30500E+00	0.94504E+00	
	0.61000E+00	0.88754E+00	
	0.91500E+00	0.82563E+00	
	0.12200E+01	0.75845E+00	
	0.15250E+01	0.68613E+00	
	0.18300E+01	0.60937E+00	
	0.21350E+01	0.52893E+00	
	0.24400E+01	0.44545E+00	
	0.27450E+01	0.35969E+00	
	0.30500E+01	0.27322E+00	
	0.37350E+01	0.18127E+00	

0.44200E+01 0.10675E+00
 0.51050E+01 0.55823E-01
 0.57900E+01 0.25142E-01
 0.64750E+01 0.11032E-01
 0.71600E+01 0.42042E-02
 0.78450E+01 0.14469E-02
 0.85300E+01 0.45016E-03
 0.92150E+01 0.12732E-03
 0.99000E+01 0.33440E-04
 0.10585E+02 0.87560E-05
 0.11270E+02 0.27675E-05
 0.11955E+02 0.13778E-05
 0.12640E+02 0.10646E-05
 0.13325E+02 0.10018E-05
 0.14010E+02 0.99435E-06
 0.14695E+02 0.99636E-06
 0.15380E+02 0.99836E-06
 0.16065E+02 0.99938E-06
 0.16750E+02 0.99979E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11332E+00
 0.51050E+01 0.62239E-01
 0.57900E+01 0.30765E-01
 0.64750E+01 0.13751E-01
 0.71600E+01 0.55765E-02
 0.78450E+01 0.20552E-02
 0.85300E+01 0.68903E-03
 0.92150E+01 0.21083E-03
 0.99000E+01 0.59570E-04
 0.10585E+02 0.16158E-04
 0.11270E+02 0.47193E-05
 0.11955E+02 0.18784E-05
 0.12640E+02 0.11919E-05
 0.13325E+02 0.10322E-05
 0.14010E+02 0.10003E-05
 0.14695E+02 0.99684E-06
 0.15380E+02 0.99803E-06
 0.16065E+02 0.99912E-06
 0.16750E+02 0.99967E-06
 0.17435E+02 0.99989E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.92735E+00
	0.30500E+00	0.9427E+00	
	0.61000E+00	0.88301E+00	
	0.91500E+00	0.82007E+00	
	0.12200E+01	0.75274E+00	
	0.15250E+01	0.68081E+00	
	0.18300E+01	0.60460E+00	
	0.21350E+01	0.52470E+00	
	0.24400E+01	0.44197E+00	
	0.27450E+01	0.35763E+00	
	0.30500E+01	0.27355E+00	
	0.37350E+01	0.18528E+00	

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93358E+00
	0.30500E+00	0.94041E+00	
	0.61000E+00	0.87929E+00	
	0.91500E+00	0.81531E+00	
	0.12200E+01	0.74758E+00	
	0.15250E+01	0.67575E+00	
	0.18300E+01	0.59997E+00	
	0.21350E+01	0.52080E+00	
	0.24400E+01	0.43917E+00	
	0.27450E+01	0.35648E+00	
	0.30500E+01	0.27458E+00	
	0.37350E+01	0.18915E+00	

0.44200E+01 0.11913E+00
 0.51050E+01 0.68109E-01
 0.57900E+01 0.35300E-01
 0.64750E+01 0.16619E-01
 0.71600E+01 0.71201E-02
 0.78450E+01 0.27912E-02
 0.85300E+01 0.99944E-03
 0.92150E+01 0.32800E-03
 0.99000E+01 0.99352E-04
 0.10585E+02 0.28400E-04
 0.11270E+02 0.81944E-05
 0.11955E+02 0.28200E-05
 0.12640E+02 0.14439E-05
 0.13325E+02 0.10983E-05
 0.14010E+02 0.10161E-05
 0.14695E+02 0.99985E-06
 0.15380E+02 0.99824E-06
 0.16065E+02 0.99894E-06
 0.16750E+02 0.99953E-06
 0.17435E+02 0.99982E-06
 0.18120E+02 0.99994E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12441E+00
 0.51050E+01 0.73532E-01
 0.57900E+01 0.39697E-01
 0.64750E+01 0.19574E-01
 0.71600E+01 0.88300E-02
 0.78450E+01 0.36514E-02
 0.85300E+01 0.13865E-02
 0.92150E+01 0.48444E-03
 0.99000E+01 0.15647E-03
 0.10585E+02 0.47349E-04
 0.11270E+02 0.13972E-04
 0.11955E+02 0.44798E-05
 0.12640E+02 0.19091E-05
 0.13325E+02 0.12274E-05
 0.14010E+02 0.10506E-05
 0.14695E+02 0.10081E-05
 0.15380E+02 0.99977E-06
 0.16065E+02 0.99902E-06
 0.16750E+02 0.99942E-06
 0.17435E+02 0.99975E-06
 0.18120E+02 0.99991E-06
 0.18805E+02 0.99997E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.94001E+00
	0.30500E+00	0.93870E+00	
	0.61000E+00	0.87613E+00	
	0.91500E+00	0.81114E+00	
	0.12200E+01	0.74292E+00	
	0.15250E+01	0.67109E+00	
	0.18300E+01	0.59571E+00	
	0.21350E+01	0.51734E+00	
	0.24400E+01	0.43693E+00	
	0.27450E+01	0.35588E+00	
	0.30500E+01	0.27597E+00	
	0.37350E+01	0.19287E+00	

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94662E+00
	0.30500E+00	0.93722E+00	
	0.61000E+00	0.87337E+00	
	0.91500E+00	0.80747E+00	
	0.12200E+01	0.73875E+00	
	0.15250E+01	0.66687E+00	
	0.18300E+01	0.59190E+00	
	0.21350E+01	0.51434E+00	
	0.24400E+01	0.43515E+00	
	0.27450E+01	0.35567E+00	
	0.30500E+01	0.27566E+00	
	0.37350E+01	0.19646E+00	

0.44200E+01 0.12930E+00
 0.51050E+01 0.78590E-01
 0.57900E+01 0.43939E-01
 0.64750E+01 0.22567E-01
 0.71600E+01 0.10652E-01
 0.78450E+01 0.46271E-02
 0.85300E+01 0.18525E-02
 0.92150E+01 0.68486E-03
 0.99000E+01 0.23458E-03
 0.10585E+02 0.75088E-04
 0.11270E+02 0.23022E-04
 0.11955E+02 0.72303E-05
 0.12640E+02 0.27186E-05
 0.13325E+02 0.14625E-05
 0.14010E+02 0.11176E-05
 0.14695E+02 0.10261E-05
 0.15380E+02 0.10040E-05
 0.16065E+02 0.99980E-06
 0.16750E+02 0.99946E-06
 0.17435E+02 0.99969E-06
 0.18120E+02 0.99987E-06
 0.18805E+02 0.99995E-06
 0.19490E+02 0.99998E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13388E+00
 0.51050E+01 0.83344E-01
 0.57900E+01 0.48029E-01
 0.64750E+01 0.25568E-01
 0.71600E+01 0.12567E-01
 0.78450E+01 0.57069E-02
 0.85300E+01 0.23971E-02
 0.92150E+01 0.93274E-03
 0.99000E+01 0.33710E-03
 0.10585E+02 0.11382E-03
 0.11270E+02 0.36478E-04
 0.11955E+02 0.11587E-04
 0.12640E+02 0.40568E-05
 0.13325E+02 0.18664E-05
 0.14010E+02 0.12386E-05
 0.14695E+02 0.10612E-05
 0.15380E+02 0.10135E-05
 0.16065E+02 0.10020E-05
 0.16750E+02 0.99985E-06
 0.17435E+02 0.99970E-06
 0.18120E+02 0.99981E-06
 0.18805E+02 0.99993E-06
 0.19490E+02 0.99997E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.95337E+00
	0.30500E+00	0.93593E+00	
	0.61000E+00	0.87095E+00	
	0.91500E+00	0.80421E+00	
	0.12200E+01	0.73500E+00	
	0.15250E+01	0.66212E+00	
	0.18300E+01	0.58853E+00	
	0.21350E+01	0.51177E+00	
	0.24400E+01	0.43375E+00	
	0.27450E+01	0.35574E+00	
	0.30500E+01	0.27926E+00	
	0.37350E+01	0.19991E+00	

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.96026E+00
	0.30500E+00	0.93478E+00	
	0.61000E+00	0.86880E+00	
	0.91500E+00	0.80132E+00	
	0.12200E+01	0.73174E+00	
	0.15250E+01	0.65980E+00	
	0.18300E+01	0.58559E+00	
	0.21350E+01	0.50960E+00	
	0.24400E+01	0.43289E+00	
	0.27450E+01	0.35603E+00	
	0.30500E+01	0.28103E+00	
	0.37350E+01	0.20324E+00	

0.44200E+01 0.13819E+00
 0.51050E+01 0.87840E-01
 0.57900E+01 0.51975E-01
 0.64750E+01 0.28556E-01
 0.71600E+01 0.14552E-01
 0.78450E+01 0.68784E-02
 0.85300E+01 0.30176E-02
 0.92150E+01 0.12302E-02
 0.99000E+01 0.46701E-03
 0.10585E+02 0.16577E-03
 0.11270E+02 0.55603E-04
 0.11955E+02 0.18127E-04
 0.12640E+02 0.61693E-05
 0.13325E+02 0.25288E-05
 0.14010E+02 0.14446E-05
 0.14695E+02 0.11243E-05
 0.15380E+02 0.10319E-05
 0.16065E+02 0.10070E-05
 0.16750E+02 0.10010E-05
 0.17435E+02 0.99990E-06
 0.18120E+02 0.99983E-06
 0.18805E+02 0.99991E-06
 0.19490E+02 0.99996E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14228E+00
 0.51050E+01 0.92112E-01
 0.57900E+01 0.55784E-01
 0.64750E+01 0.31518E-01
 0.71600E+01 0.16589E-01
 0.78450E+01 0.81293E-02
 0.85300E+01 0.37102E-02
 0.92150E+01 0.15783E-02
 0.99000E+01 0.62675E-03
 0.10585E+02 0.23306E-03
 0.11270E+02 0.81743E-04
 0.11955E+02 0.27556E-04
 0.12640E+02 0.93668E-05
 0.13325E+02 0.35710E-05
 0.14010E+02 0.17797E-05
 0.14695E+02 0.12313E-05
 0.15380E+02 0.10652E-05
 0.16065E+02 0.10167E-05
 0.16750E+02 0.10036E-05
 0.17435E+02 0.10005E-05
 0.18120E+02 0.99993E-06
 0.18805E+02 0.99991E-06
 0.19490E+02 0.99995E-06
 0.20175E+02 0.99998E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.96727E+00
	0.30500E+00	0.93377E+00	
	0.61000E+00	0.86500E+00	
	0.91500E+00	0.79876E+00	
	0.12200E+01	0.72883E+00	
	0.15250E+01	0.65689E+00	
	0.18300E+01	0.58306E+00	
	0.21350E+01	0.50779E+00	
	0.24400E+01	0.43190E+00	
	0.27450E+01	0.35650E+00	
	0.30500E+01	0.28284E+00	
	0.37350E+01	0.20644E+00	

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.97438E+00
	0.30500E+00	0.93288E+00	
	0.61000E+00	0.86522E+00	
	0.91500E+00	0.79650E+00	
	0.12200E+01	0.72628E+00	
	0.15250E+01	0.65436E+00	
	0.18300E+01	0.58089E+00	
	0.21350E+01	0.50631E+00	
	0.24400E+01	0.43137E+00	
	0.27450E+01	0.35711E+00	
	0.30500E+01	0.28468E+00	
	0.37350E+01	0.20953E+00	

0.44200E+01 0.14618E+00
 0.51050E+01 0.96188E-01
 0.57900E+01 0.59467E-01
 0.64750E+01 0.34446E-01
 0.71600E+01 0.19645E-01
 0.78450E+01 0.9483E-02
 0.85300E+01 0.44698E-02
 0.92150E+01 0.19767E-02
 0.99000E+01 0.81814E-03
 0.10585E+02 0.31763E-03
 0.11270E+02 0.11627E-03
 0.11955E+02 0.40652E-04
 0.12640E+02 0.14025E-04
 0.13325E+02 0.51513E-05
 0.14010E+02 0.23040E-05
 0.14695E+02 0.14043E-05
 0.15380E+02 0.11215E-05
 0.16065E+02 0.10343E-05
 0.16750E+02 0.10087E-05
 0.17435E+02 0.10019E-05
 0.18120E+02 0.10002E-05
 0.18805E+02 0.99996E-06
 0.19490E+02 0.99995E-06
 0.20175E+02 0.99997E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.14990E+00
 0.51050E+01 0.10009E+00
 0.57900E+01 0.63032E-01
 0.64750E+01 0.37334E-01
 0.71600E+01 0.20760E-01
 0.78450E+01 0.10925E-01
 0.85300E+01 0.52911E-02
 0.92150E+01 0.24246E-02
 0.99000E+01 0.10424E-02
 0.10585E+02 0.42117E-03
 0.11270E+02 0.16054E-03
 0.11955E+02 0.58250E-04
 0.12640E+02 0.20577E-04
 0.13325E+02 0.74667E-05
 0.14010E+02 0.30973E-05
 0.14695E+02 0.16736E-05
 0.15380E+02 0.12122E-05
 0.16065E+02 0.10641E-05
 0.16750E+02 0.10181E-05
 0.17435E+02 0.10046E-05
 0.18120E+02 0.10010E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.99997E-06
 0.20175E+02 0.99997E-06
 0.20860E+02 0.99999E-06
 0.21545E+02 0.99999E-06
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.98158E+00
0.30500E+00	0.93209E+00		
0.61000E+00	0.86375E+00		
0.91500E+00	0.79452E+00		
0.12200E+01	0.72404E+00		
0.15250E+01	0.65217E+00		
0.18300E+01	0.57905E+00		
0.21350E+01	0.50511E+00		
0.24400E+01	0.43106E+00		
0.27450E+01	0.35704E+00		
0.30500E+01	0.28653E+00		
0.37350E+01	0.21253E+00		

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.98887E+00
0.30500E+00	0.93139E+00		
0.61000E+00	0.86245E+00		
0.91500E+00	0.79279E+00		
0.12200E+01	0.72211E+00		
0.15250E+01	0.65030E+00		
0.18300E+01	0.57752E+00		
0.21350E+01	0.50418E+00		
0.24400E+01	0.43094E+00		
0.27450E+01	0.35869E+00		
0.30500E+01	0.28840E+00		
0.37350E+01	0.21543E+00		

0.44200E+01 0.15347E+00
 0.51050E+01 0.10384E+00
 0.57900E+01 0.66487E-01
 0.64750E+01 0.40180E-01
 0.71600E+01 0.22874E-01
 0.78450E+01 0.12251E-01
 0.85300E+01 0.61687E-02
 0.92150E+01 0.29202E-02
 0.99000E+01 0.13002E-02
 0.10585E+02 0.54511E-03
 0.11270E+02 0.21582E-03
 0.11955E+02 0.81214E-04
 0.12640E+02 0.29510E-04
 0.13325E+02 0.10753E-04
 0.14010E+02 0.42613E-05
 0.14695E+02 0.20793E-05
 0.15380E+02 0.13531E-05
 0.16065E+02 0.11124E-05
 0.16750E+02 0.10340E-05
 0.17435E+02 0.10095E-05
 0.18120E+02 0.10024E-05
 0.18805E+02 0.10005E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.99998E-06
 0.20860E+02 0.99998E-06
 0.21545E+02 0.99999E-06
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16042E+00
 0.51050E+01 0.11030E+00
 0.57900E+01 0.72075E-01
 0.64750E+01 0.44621E-01
 0.71600E+01 0.26119E-01
 0.78450E+01 0.14436E-01
 0.85300E+01 0.75270E-02
 0.92150E+01 0.37011E-02
 0.99000E+01 0.17164E-02
 0.10585E+02 0.75135E-03
 0.11270E+02 0.31100E-03
 0.11955E+02 0.12225E-03
 0.12640E+02 0.46102E-04
 0.13325E+02 0.17083E-04
 0.14010E+02 0.65677E-05
 0.14695E+02 0.28975E-05
 0.15380E+02 0.16410E-05
 0.16065E+02 0.12132E-05
 0.16750E+02 0.10686E-05
 0.17435E+02 0.10209E-05
 0.18120E+02 0.10059E-05
 0.18805E+02 0.10015E-05
 0.19490E+02 0.10003E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.99999E-06
 0.21545E+02 0.99999E-06
 0.22230E+02 0.99999E-06
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10117E+01
0.30500E+00	0.93622E+00		
0.61000E+00	0.86885E+00		
0.91500E+00	0.79477E+00		
0.12200E+01	0.72885E+00		
0.15250E+01	0.65730E+00		
0.18300E+01	0.58507E+00		
0.21350E+01	0.51260E+00		
0.24400E+01	0.44060E+00		
0.27450E+01	0.37002E+00		
0.30500E+01	0.30172E+00		
0.37350E+01	0.22331E+00		

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.10493E+01
0.30500E+00	0.94280E+00		
0.61000E+00	0.87981E+00		
0.91500E+00	0.81595E+00		
0.12200E+01	0.74371E+00		
0.15250E+01	0.67309E+00		
0.18300E+01	0.60178E+00		
0.21350E+01	0.53041E+00		
0.24400E+01	0.45969E+00		
0.27450E+01	0.39031E+00		
0.30500E+01	0.32272E+00		
0.37350E+01	0.23782E+00		

0.44200E+01 0.17153E+00
 0.51050E+01 0.11966E+00
 0.57900E+01 0.79909E-01
 0.64750E+01 0.50808E-01
 0.71600E+01 0.30672E-01
 0.78450E+01 0.17550E-01
 0.85300E+01 0.95080E-02
 0.92150E+01 0.48745E-02
 0.99000E+01 0.23643E-02
 0.10585E+02 0.10853E-02
 0.11270E+02 0.47204E-03
 0.11955E+02 0.19501E-03
 0.12640E+02 0.76979E-04
 0.13325E+02 0.29444E-04
 0.14010E+02 0.11270E-04
 0.14695E+02 0.46206E-05
 0.15380E+02 0.22603E-05
 0.16065E+02 0.14344E-05
 0.16750E+02 0.11469E-05
 0.17435E+02 0.10480E-05
 0.18120E+02 0.10149E-05
 0.18805E+02 0.10043E-05
 0.19490E+02 0.10012E-05
 0.20175E+02 0.10003E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.18775E+00
 0.51050E+01 0.13253E+00
 0.57900E+01 0.90309E-01
 0.64750E+01 0.58986E-01
 0.71600E+01 0.36767E-01
 0.78450E+01 0.21817E-01
 0.85300E+01 0.12305E-01
 0.92150E+01 0.65916E-02
 0.99000E+01 0.33520E-02
 0.10585E+02 0.16181E-02
 0.11270E+02 0.74185E-03
 0.11955E+02 0.32347E-03
 0.12640E+02 0.13458E-03
 0.13325E+02 0.53825E-04
 0.14010E+02 0.21057E-04
 0.14695E+02 0.83767E-05
 0.15380E+02 0.36571E-05
 0.16065E+02 0.19456E-05
 0.16750E+02 0.13326E-05
 0.17435E+02 0.11147E-05
 0.18120E+02 0.10383E-05
 0.18805E+02 0.10122E-05
 0.19490E+02 0.10037E-05
 0.20175E+02 0.10010E-05
 0.20860E+02 0.10003E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.11010E+01
	0.30500E+00	0.94984E+00	
	0.61000E+00	0.89281E+00	
	0.91500E+00	0.83055E+00	
	0.12200E+01	0.76461E+00	
	0.15250E+01	0.69633E+00	
	0.18300E+01	0.62676E+00	
	0.21350E+01	0.55678E+00	
	0.24400E+01	0.48714E+00	
	0.27450E+01	0.41840E+00	
	0.30500E+01	0.35077E+00	
	0.37350E+01	0.25912E+00	

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.11663E+01
	0.30500E+00	0.95676E+00	
	0.61000E+00	0.90637E+00	
	0.91500E+00	0.85001E+00	
	0.12200E+01	0.78899E+00	
	0.15250E+01	0.72457E+00	
	0.18300E+01	0.65792E+00	
	0.21350E+01	0.59003E+00	
	0.24400E+01	0.52171E+00	
	0.27450E+01	0.45349E+00	
	0.30500E+01	0.38557E+00	
	0.37350E+01	0.28732E+00	

0.44200E+01 0.20979E+00
 0.51050E+01 0.14976E+00
 0.57900E+01 0.10388E+00
 0.64750E+01 0.69560E-01
 0.71600E+01 0.44729E-01
 0.78450E+01 0.27521E-01
 0.85300E+01 0.16167E-01
 0.92150E+01 0.90553E-02
 0.99000E+01 0.48321E-02
 0.10585E+02 0.24558E-02
 0.11270E+02 0.11887E-02
 0.11955E+02 0.54838E-03
 0.12640E+02 0.24149E-03
 0.13325E+02 0.10190E-03
 0.14010E+02 0.41557E-04
 0.14695E+02 0.16705E-04
 0.15380E+02 0.69066E-05
 0.16065E+02 0.31783E-05
 0.16750E+02 0.17932E-05
 0.17435E+02 0.12851E-05
 0.18120E+02 0.11005E-05
 0.18805E+02 0.10344E-05
 0.19490E+02 0.10113E-05
 0.20175E+02 0.10035E-05
 0.20860E+02 0.10010E-05
 0.21545E+02 0.10003E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.23820E+00
 0.51050E+01 0.17221E+00
 0.57900E+01 0.12144E+00
 0.64750E+01 0.83153E-01
 0.71600E+01 0.52018E-01
 0.78450E+01 0.35036E-01
 0.85300E+01 0.21409E-01
 0.92150E+01 0.12528E-01
 0.99000E+01 0.70119E-02
 0.10585E+02 0.37509E-02
 0.11270E+02 0.19171E-02
 0.11955E+02 0.93623E-03
 0.12640E+02 0.43720E-03
 0.13325E+02 0.19556E-03
 0.14010E+02 0.84134E-04
 0.14695E+02 0.35132E-04
 0.15380E+02 0.14523E-04
 0.16065E+02 0.62197E-05
 0.16750E+02 0.29743E-05
 0.17435E+02 0.17365E-05
 0.18120E+02 0.12710E-05
 0.18805E+02 0.10978E-05
 0.19490E+02 0.10344E-05
 0.20175E+02 0.10117E-05
 0.20860E+02 0.10038E-05
 0.21545E+02 0.10012E-05
 0.22230E+02 0.10003E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.12449E+01
	0.30500E+00	0.96323E+00	
	0.61000E+00	0.91956E+00	
	0.91500E+00	0.86970E+00	
	0.12200E+01	0.81459E+00	
	0.15250E+01	0.75526E+00	
	0.18300E+01	0.69272E+00	
	0.21350E+01	0.62792E+00	
	0.24400E+01	0.56165E+00	
	0.27450E+01	0.49446E+00	
	0.30500E+01	0.42657E+00	
	0.37350E+01	0.32238E+00	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.13364E+01
	0.30500E+00	0.96910E+00	
	0.61000E+00	0.93182E+00	
	0.91500E+00	0.88851E+00	
	0.12200E+01	0.83975E+00	
	0.15250E+01	0.78623E+00	
	0.18300E+01	0.72875E+00	
	0.21350E+01	0.66807E+00	
	0.24400E+01	0.60485E+00	
	0.27450E+01	0.53963E+00	
	0.30500E+01	0.47261E+00	
	0.37350E+01	0.36390E+00	

0.44200E+01 0.27328E+00
 0.51050E+01 0.20062E+00
 0.57900E+01 0.14399E+00
 0.64750E+01 0.10058E+00
 0.71600E+01 0.68284E-01
 0.78450E+01 0.44865E-01
 0.85300E+01 0.28439E-01
 0.92150E+01 0.17347E-01
 0.99000E+01 0.10164E-01
 0.10585E+02 0.57139E-02
 0.11270E+02 0.30796E-02
 0.11955E+02 0.15908E-02
 0.12640E+02 0.78764E-03
 0.13325E+02 0.37406E-03
 0.14010E+02 0.17070E-03
 0.14695E+02 0.75154E-04
 0.15380E+02 0.32211E-04
 0.16065E+02 0.13709E-04
 0.16750E+02 0.60381E-05
 0.17435E+02 0.29577E-05
 0.18120E+02 0.17494E-05
 0.18805E+02 0.12828E-05
 0.19490E+02 0.11048E-05
 0.20175E+02 0.10379E-05
 0.20860E+02 0.10133E-05
 0.21545E+02 0.10045E-05
 0.22230E+02 0.10015E-05
 0.22915E+02 0.10005E-05
 0.23600E+02 0.10001E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.31487E+00
 0.51050E+01 0.23550E+00
 0.57900E+01 0.17208E+00
 0.64750E+01 0.12276E+00
 0.71600E+01 0.85350E-01
 0.78450E+01 0.57686E-01
 0.85300E+01 0.37799E-01
 0.92150E+01 0.23951E-01
 0.99000E+01 0.14646E-01
 0.10585E+02 0.86283E-02
 0.11270E+02 0.48917E-02
 0.11955E+02 0.26670E-02
 0.12640E+02 0.13978E-02
 0.13325E+02 0.70426E-03
 0.14010E+02 0.34134E-03
 0.14695E+02 0.15941E-03
 0.15380E+02 0.72008E-04
 0.16065E+02 0.31722E-04
 0.16750E+02 0.13878E-04
 0.17435E+02 0.62564E-05
 0.18120E+02 0.31018E-05
 0.18805E+02 0.18270E-05
 0.19490E+02 0.13206E-05
 0.20175E+02 0.11221E-05
 0.20860E+02 0.10455E-05
 0.21545E+02 0.10165E-05
 0.22230E+02 0.10058E-05
 0.22915E+02 0.10020E-05
 0.23600E+02 0.10006E-05
 0.24285E+02 0.10002E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.1000E+01	0.14406E+01
	0.3050E+00	0.97428E+00	
	0.6100E+00	0.94285E+00	
	0.9150E+00	0.90578E+00	
	0.1220E+01	0.86335E+00	
	0.1525E+01	0.81597E+00	
	0.1830E+01	0.76414E+00	
	0.2135E+01	0.70839E+00	
	0.2440E+01	0.64922E+00	
	0.2745E+01	0.58704E+00	
	0.3050E+01	0.52203E+00	
	0.3735E+01	0.41095E+00	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.1000E+01	0.15575E+01
	0.3050E+00	0.97877E+00	
	0.6100E+00	0.95253E+00	
	0.9150E+00	0.92119E+00	
	0.1220E+01	0.88479E+00	
	0.1525E+01	0.84349E+00	
	0.1830E+01	0.79754E+00	
	0.2135E+01	0.74724E+00	
	0.2440E+01	0.69291E+00	
	0.2745E+01	0.63478E+00	
	0.3050E+01	0.57297E+00	
	0.3735E+01	0.46206E+00	

0.44200E+01 0.36226E+00
 0.51050E+01 0.27687E+00
 0.57900E+01 0.20660E+00
 0.64750E+01 0.15058E+00
 0.71600E+01 0.10715E+00
 0.78450E+01 0.74339E-01
 0.85300E+01 0.50197E-01
 0.92150E+01 0.32920E-01
 0.99000E+01 0.20926E-01
 0.10585E+02 0.12871E-01
 0.11270E+02 0.76489E-02
 0.11955E+02 0.43871E-02
 0.12640E+02 0.24268E-02
 0.13325E+02 0.12942E-02
 0.14010E+02 0.66536E-03
 0.14695E+02 0.32994E-03
 0.15380E+02 0.15804E-03
 0.16065E+02 0.73369E-04
 0.16750E+02 0.33249E-04
 0.17435E+02 0.14938E-04
 0.18120E+02 0.68676E-05
 0.18805E+02 0.34179E-05
 0.19490E+02 0.19794E-05
 0.20175E+02 0.13907E-05
 0.20860E+02 0.11532E-05
 0.21545E+02 0.10589E-05
 0.22230E+02 0.10221E-05
 0.22915E+02 0.10081E-05
 0.23600E+02 0.10029E-05
 0.24285E+02 0.10010E-05
 0.24970E+02 0.10003E-05
 0.25655E+02 0.10001E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.41423E+00
 0.51050E+01 0.32425E+00
 0.57900E+01 0.24763E+00
 0.64750E+01 0.18469E+00
 0.71600E+01 0.13458E+00
 0.78450E+01 0.95768E-01
 0.85300E+01 0.66498E-01
 0.92150E+01 0.44958E-01
 0.99000E+01 0.29622E-01
 0.10585E+02 0.18943E-01
 0.11270E+02 0.11751E-01
 0.11955E+02 0.70617E-02
 0.12640E+02 0.41071E-02
 0.13325E+02 0.23102E-02
 0.14010E+02 0.12561E-02
 0.14695E+02 0.66019E-03
 0.15380E+02 0.33551E-03
 0.16065E+02 0.16507E-03
 0.16750E+02 0.78842E-04
 0.17435E+02 0.36772E-04
 0.18120E+02 0.16962E-04
 0.18805E+02 0.79390E-05
 0.19490E+02 0.39509E-05
 0.20175E+02 0.22324E-05
 0.20860E+02 0.15065E-05
 0.21545E+02 0.12048E-05
 0.22230E+02 0.10813E-05
 0.22915E+02 0.10316E-05
 0.23600E+02 0.10120E-05
 0.24285E+02 0.10044E-05
 0.24970E+02 0.10016E-05
 0.25655E+02 0.10006E-05
 0.26340E+02 0.10002E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.1000E+01	0.16869E+01
	0.3050E+00	0.98259E+00	
	0.6100E+00	0.96088E+00	
	0.9150E+00	0.93464E+00	
	0.1220E+01	0.90378E+00	
	0.1525E+01	0.86826E+00	
	0.1830E+01	0.82814E+00	
	0.2135E+01	0.78352E+00	
	0.2440E+01	0.73451E+00	
	0.2745E+01	0.68121E+00	
	0.3050E+01	0.62361E+00	
	0.3735E+01	0.51550E+00	

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.1000E+01	0.18290E+01
	0.3050E+00	0.98581E+00	
	0.6100E+00	0.96796E+00	
	0.9150E+00	0.94619E+00	
	0.1220E+01	0.92029E+00	
	0.1525E+01	0.89011E+00	
	0.1830E+01	0.85554E+00	
	0.2135E+01	0.81655E+00	
	0.2440E+01	0.77307E+00	
	0.2745E+01	0.72506E+00	
	0.3050E+01	0.67242E+00	
	0.3735E+01	0.56946E+00	

0.44200E+01 0.46917E+00
 0.51050E+01 0.37657E+00
 0.57900E+01 0.29403E+00
 0.64750E+01 0.22537E+00
 0.71600E+01 0.16833E+00
 0.78450E+01 0.12288E+00
 0.85300E+01 0.87659E-01
 0.92150E+01 0.61070E-01
 0.99000E+01 0.41512E-01
 0.10585E+02 0.27500E-01
 0.11270E+02 0.17732E-01
 0.11955E+02 0.11116E-01
 0.12640E+02 0.67680E-02
 0.13325E+02 0.39981E-02
 0.14010E+02 0.22901E-02
 0.14695E+02 0.12713E-02
 0.15380E+02 0.68386E-03
 0.16065E+02 0.35654E-03
 0.16750E+02 0.18033E-03
 0.17435E+02 0.89667E-04
 0.18120E+02 0.42583E-04
 0.18805E+02 0.20171E-04
 0.19490E+02 0.96134E-05
 0.20175E+02 0.47842E-05
 0.20860E+02 0.26313E-05
 0.21545E+02 0.16917E-05
 0.22230E+02 0.12886E-05
 0.22915E+02 0.11193E-05
 0.23600E+02 0.10475E-05
 0.24285E+02 0.10187E-05
 0.24970E+02 0.10072E-05
 0.25655E+02 0.10027E-05
 0.26340E+02 0.10010E-05
 0.27025E+02 0.10003E-05
 0.27710E+02 0.10001E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.52533E+00
 0.51050E+01 0.43239E+00
 0.57900E+01 0.34726E+00
 0.64750E+01 0.27234E+00
 0.71600E+01 0.20872E+00
 0.78450E+01 0.15639E+00
 0.85300E+01 0.11460E+00
 0.92150E+01 0.92118E-01
 0.99000E+01 0.57521E-01
 0.10585E+02 0.39360E-01
 0.11270E+02 0.26289E-01
 0.11955E+02 0.17123E-01
 0.12640E+02 0.10865E-01
 0.13325E+02 0.67105E-02
 0.14010E+02 0.40310E-02
 0.14695E+02 0.23535E-02
 0.15380E+02 0.13349E-02
 0.16065E+02 0.73540E-03
 0.16750E+02 0.39352E-03
 0.17435E+02 0.20467E-03
 0.18120E+02 0.10363E-03
 0.18805E+02 0.51258E-04
 0.19490E+02 0.24949E-04
 0.20175E+02 0.12127E-04
 0.20860E+02 0.60542E-05
 0.21545E+02 0.32511E-05
 0.22230E+02 0.19856E-05
 0.22915E+02 0.14247E-05
 0.23600E+02 0.11800E-05
 0.24285E+02 0.10749E-05
 0.24970E+02 0.10305E-05
 0.25655E+02 0.10122E-05
 0.26340E+02 0.10047E-05
 0.27025E+02 0.10018E-05
 0.27710E+02 0.10007E-05
 0.28395E+02 0.10002E-05
 0.29080E+02 0.10001E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19836E+01
	0.30500E+00	0.98849E+00	
	0.61000E+00	0.97392E+00	
	0.91500E+00	0.95599E+00	
	0.12200E+01	0.93444E+00	
	0.15250E+01	0.90906E+00	
	0.18300E+01	0.87963E+00	
	0.21350E+01	0.84601E+00	
	0.24400E+01	0.80802E+00	
	0.27450E+01	0.76550E+00	
	0.30500E+01	0.71825E+00	
	0.37350E+01	0.62231E+00	

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.21509E+01
	0.30500E+00	0.99072E+00	
	0.61000E+00	0.97888E+00	
	0.91500E+00	0.96422E+00	
	0.12200E+01	0.94644E+00	
	0.15250E+01	0.92528E+00	
	0.18300E+01	0.90050E+00	
	0.21350E+01	0.87186E+00	
	0.24400E+01	0.83912E+00	
	0.27450E+01	0.80204E+00	
	0.30500E+01	0.76032E+00	
	0.37350E+01	0.67271E+00	

0.44200E+01 0.58104E+00
 0.51050E+01 0.49001E+00
 0.57900E+01 0.40359E+00
 0.64750E+01 0.32480E+00
 0.71600E+01 0.25552E+00
 0.78450E+01 0.19661E+00
 0.85300E+01 0.14802E+00
 0.92150E+01 0.10906E+00
 0.99000E+01 0.78638E-01
 0.10585E+02 0.55480E-01
 0.11270E+02 0.38282E-01
 0.11955E+02 0.25820E-01
 0.12640E+02 0.17010E-01
 0.13325E+02 0.10938E-01
 0.14010E+02 0.60596E-02
 0.14695E+02 0.41930E-02
 0.15380E+02 0.24966E-02
 0.16065E+02 0.14474E-02
 0.16750E+02 0.81674E-03
 0.17435E+02 0.44859E-03
 0.18120E+02 0.23991E-03
 0.18805E+02 0.12508E-03
 0.19490E+02 0.63724E-04
 0.20175E+02 0.31892E-04
 0.20860E+02 0.15845E-04
 0.21545E+02 0.79742E-05
 0.22230E+02 0.42113E-05
 0.22915E+02 0.24528E-05
 0.23600E+02 0.16467E-05
 0.24285E+02 0.12833E-05
 0.24970E+02 0.11220E-05
 0.25655E+02 0.10516E-05
 0.26340E+02 0.10214E-05
 0.27025E+02 0.10087E-05
 0.27710E+02 0.10034E-05
 0.28395E+02 0.10013E-05
 0.29080E+02 0.10005E-05
 0.29765E+02 0.10002E-05
 0.30450E+02 0.10001E-05

0.44200E+01 0.63482E+00
 0.51050E+01 0.54773E+00
 0.57900E+01 0.46220E+00
 0.64750E+01 0.38146E+00
 0.71600E+01 0.30800E+00
 0.78450E+01 0.24336E+00
 0.85300E+01 0.18825E+00
 0.92150E+01 0.14259E+00
 0.99000E+01 0.10578E+00
 0.10585E+02 0.76865E-01
 0.11270E+02 0.54699E-01
 0.11955E+02 0.38112E-01
 0.12640E+02 0.25989E-01
 0.13325E+02 0.17336E-01
 0.14010E+02 0.11306E-01
 0.14695E+02 0.72045E-02
 0.15380E+02 0.44181E-02
 0.16065E+02 0.27229E-02
 0.16750E+02 0.16134E-02
 0.17435E+02 0.93246E-03
 0.18120E+02 0.52554E-03
 0.18805E+02 0.28891E-03
 0.19490E+02 0.15504E-03
 0.20175E+02 0.81347E-04
 0.20860E+02 0.41884E-04
 0.21545E+02 0.21315E-04
 0.22230E+02 0.10872E-04
 0.22915E+02 0.57088E-05
 0.23600E+02 0.31981E-05
 0.24285E+02 0.20111E-05
 0.24970E+02 0.14579E-05
 0.25655E+02 0.12041E-05
 0.26340E+02 0.10894E-05
 0.27025E+02 0.10384E-05
 0.27710E+02 0.10162E-05
 0.28395E+02 0.10067E-05
 0.29080E+02 0.10027E-05
 0.29765E+02 0.10011E-05
 0.30450E+02 0.10004E-05

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.10000E+01	0.23310E+01
	0.30500E+00	0.99254E+00	
	0.61000E+00	0.98299E+00	
	0.91500E+00	0.97107E+00	
	0.12200E+01	0.95550E+00	
	0.15250E+01	0.93903E+00	
	0.18300E+01	0.91836E+00	
	0.21350E+01	0.89424E+00	
	0.24400E+01	0.86637E+00	
	0.27450E+01	0.83447E+00	
	0.30500E+01	0.79819E+00	
	0.37350E+01	0.71964E+00	

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8	0.1500E+02	0.1500E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

0.44200E+01	0.11859E-35
0.51050E+01	0.14414E-41
0.57900E+01	0.47931E-48
0.64750E+01	0.00000E+00
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.3050E+00	0.10795E+00	
	0.6100E+00	0.13045E-02	
	0.9150E+00	0.14179E-05	
	0.1220E+01	0.12828E-09	
	0.1525E+01	0.37175E-13	
	0.1830E+01	0.10920E-14	
	0.2135E+01	0.16809E-16	
	0.2440E+01	0.12487E-18	
	0.2745E+01	0.41716E-21	
	0.3050E+01	0.60980E-24	
	0.3735E+01	0.86697E-31	

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.10000E+01	0.10476E+00
	0.3050E+00	0.36714E+00	
	0.6100E+00	0.67472E-01	
	0.9150E+00	0.59857E-02	
	0.1220E+01	0.24860E-03	
	0.1525E+01	0.46874E-05	
	0.1830E+01	0.39410E-07	
	0.2135E+01	0.14586E-09	
	0.2440E+01	0.24804E-12	
	0.2745E+01	0.25178E-14	
	0.3050E+01	0.18540E-15	
	0.3735E+01	0.24291E-18	

0.44200E+01	0.11024E-18
0.51050E+01	0.37782E-12
0.57900E+01	0.61593E-08
0.64750E+01	0.47639E-06
0.71600E+01	0.99145E-06
0.78450E+01	0.10000E-05
0.85300E+01	0.10000E-05
0.92150E+01	0.10000E-05
0.99000E+01	0.10000E-05
0.10585E+02	0.10000E-05
0.11270E+02	0.10000E-05
0.11955E+02	0.10000E-05
0.12640E+02	0.10000E-05
0.13325E+02	0.10000E-05
0.14010E+02	0.10000E-05
0.14695E+02	0.10000E-05
0.15380E+02	0.10000E-05
0.16065E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17435E+02	0.10000E-05
0.18120E+02	0.10000E-05
0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

0.44200E+01	0.70431E-12
0.51050E+01	0.44307E-09
0.57900E+01	0.33174E-07
0.64750E+01	0.36261E-06
0.71600E+01	0.84873E-06
0.78450E+01	0.99373E-06
0.85300E+01	0.99994E-06
0.92150E+01	0.10000E-05
0.99000E+01	0.10000E-05
0.10585E+02	0.10000E-05
0.11270E+02	0.10000E-05
0.11955E+02	0.10000E-05
0.12640E+02	0.10000E-05
0.13325E+02	0.10000E-05
0.14010E+02	0.10000E-05
0.14695E+02	0.10000E-05
0.15380E+02	0.10000E-05
0.16065E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17435E+02	0.10000E-05
0.18120E+02	0.10000E-05
0.18805E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
	0.3050E+00	0.55442E+00	
	0.6100E+00	0.22053E+00	
	0.9150E+00	0.61633E-01	
	0.1220E+01	0.11926E-01	
	0.1525E+01	0.15779E-02	
	0.1830E+01	0.14151E-03	
	0.2135E+01	0.85531E-05	
	0.2440E+01	0.34683E-06	
	0.2745E+01	0.93993E-08	
	0.3050E+01	0.17628E-09	
	0.3735E+01	0.94324E-14	

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.21292E+00
	0.3050E+00	0.67567E+00	
	0.6100E+00	0.37700E+00	
	0.9150E+00	0.17147E+00	
	0.1220E+01	0.62969E-01	
	0.1525E+01	0.18524E-01	
	0.1830E+01	0.43396E-02	
	0.2135E+01	0.80628E-03	
	0.2440E+01	0.11845E-03	
	0.2745E+01	0.13727E-04	
	0.3050E+01	0.12972E-05	
	0.3735E+01	0.34363E-08	

0.44200E+01 0.83593E-10
 0.51050E+01 0.38460E-08
 0.57900E+01 0.58481E-07
 0.64750E+01 0.31400E-06
 0.71600E+01 0.71373E-06
 0.78450E+01 0.94405E-06
 0.85300E+01 0.99568E-06
 0.92150E+01 0.99986E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.24809E-07
 0.51050E+01 0.10544E-07
 0.57900E+01 0.75380E-07
 0.64750E+01 0.28317E-06
 0.71600E+01 0.60804E-06
 0.78450E+01 0.85550E-06
 0.85300E+01 0.97287E-06
 0.92150E+01 0.99692E-06
 0.99000E+01 0.99981E-06
 0.10585E+02 0.99999E-06
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.3050E+00	0.7568E+00	
	0.6100E+00	0.5067E+00	
	0.9150E+00	0.2975E+00	
	0.1220E+01	0.1521E+00	
	0.1525E+01	0.6739E-01	
	0.1830E+01	0.2574E-01	
	0.2135E+01	0.8455E-02	
	0.2440E+01	0.2381E-02	
	0.2745E+01	0.5745E-03	
	0.3050E+01	0.1223E-03	
	0.3735E+01	0.2486E-05	

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.54840E+00
	0.30500E+00	0.90783E+00	
	0.61000E+00	0.79697E+00	
	0.91500E+00	0.67431E+00	
	0.12200E+01	0.54830E+00	
	0.15250E+01	0.42747E+00	
	0.18300E+01	0.31893E+00	
	0.21350E+01	0.22741E+00	
	0.24400E+01	0.15491E+00	
	0.27450E+01	0.10104E+00	
	0.30500E+01	0.63819E-01	
	0.37350E+01	0.19595E-01	

0.44200E+01 0.47733E-02
 0.51050E+01 0.91862E-03
 0.57900E+01 0.13930E-03
 0.64750E+01 0.16785E-04
 0.71600E+01 0.19289E-05
 0.78450E+01 0.68989E-06
 0.85300E+01 0.75998E-06
 0.92150E+01 0.88042E-06
 0.99000E+01 0.95197E-06
 0.10585E+02 0.98427E-06
 0.11270E+02 0.99582E-06
 0.11955E+02 0.99910E-06
 0.12640E+02 0.99984E-06
 0.13325E+02 0.99998E-06
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.55624E-01
 0.51050E+01 0.22427E-01
 0.57900E+01 0.78678E-02
 0.64750E+01 0.23980E-02
 0.71600E+01 0.63452E-03
 0.78450E+01 0.14591E-03
 0.85300E+01 0.29515E-04
 0.92150E+01 0.57176E-05
 0.99000E+01 0.15847E-05
 0.10585E+02 0.10092E-05
 0.11270E+02 0.96851E-06
 0.11955E+02 0.98301E-06
 0.12640E+02 0.99315E-06
 0.13325E+02 0.99780E-06
 0.14010E+02 0.99937E-06
 0.14695E+02 0.99984E-06
 0.15380E+02 0.99996E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.77844E+00
	0.30500E+00	0.94705E+00	
	0.61000E+00	0.88149E+00	
	0.91500E+00	0.80490E+00	
	0.12200E+01	0.71984E+00	
	0.15250E+01	0.62967E+00	
	0.18300E+01	0.53813E+00	
	0.21350E+01	0.44902E+00	
	0.24400E+01	0.36583E+00	
	0.27450E+01	0.29145E+00	
	0.30500E+01	0.22806E+00	
	0.37350E+01	0.12034E+00	

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.82227E+00
	0.30500E+00	0.95123E+00	
	0.61000E+00	0.89087E+00	
	0.91500E+00	0.82022E+00	
	0.12200E+01	0.74127E+00	
	0.15250E+01	0.65672E+00	
	0.18300E+01	0.56974E+00	
	0.21350E+01	0.48372E+00	
	0.24400E+01	0.40191E+00	
	0.27450E+01	0.32712E+00	
	0.30500E+01	0.26172E+00	
	0.37350E+01	0.14594E+00	

0.44200E+01 0.72279E-01
 0.51050E+01 0.31646E-01
 0.57900E+01 0.12194E-01
 0.64750E+01 0.41267E-02
 0.71600E+01 0.12533E-02
 0.78450E+01 0.31925E-03
 0.85300E+01 0.73381E-04
 0.92150E+01 0.15397E-04
 0.99000E+01 0.34938E-05
 0.10585E+02 0.13451E-05
 0.11270E+02 0.10127E-05
 0.11955E+02 0.98273E-06
 0.12640E+02 0.99015E-06
 0.13325E+02 0.99613E-06
 0.14010E+02 0.99872E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99991E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.90611E-01
 0.51050E+01 0.42531E-01
 0.57900E+01 0.17760E-01
 0.64750E+01 0.65781E-02
 0.71600E+01 0.21578E-02
 0.78450E+01 0.62660E-03
 0.85300E+01 0.16145E-03
 0.92150E+01 0.37464E-04
 0.99000E+01 0.84104E-05
 0.10585E+02 0.23561E-05
 0.11270E+02 0.12044E-05
 0.11955E+02 0.10107E-05
 0.12640E+02 0.99063E-06
 0.13325E+02 0.99434E-06
 0.14010E+02 0.99774E-06
 0.14695E+02 0.99925E-06
 0.15380E+02 0.99978E-06
 0.16065E+02 0.99994E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.86563E+00
	0.30500E+00	0.95505E+00	
	0.61000E+00	0.89935E+00	
	0.91500E+00	0.83333E+00	
	0.12200E+01	0.76041E+00	
	0.15250E+01	0.68102E+00	
	0.18300E+01	0.59845E+00	
	0.21350E+01	0.51569E+00	
	0.24400E+01	0.43569E+00	
	0.27450E+01	0.36119E+00	
	0.30500E+01	0.29465E+00	
	0.37350E+01	0.17255E+00	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.89464E+00
	0.30500E+00	0.95670E+00	
	0.61000E+00	0.90359E+00	
	0.91500E+00	0.84139E+00	
	0.12200E+01	0.77133E+00	
	0.15250E+01	0.69533E+00	
	0.18300E+01	0.61380E+00	
	0.21350E+01	0.53546E+00	
	0.24400E+01	0.45707E+00	
	0.27450E+01	0.38324E+00	
	0.30500E+01	0.31639E+00	
	0.37350E+01	0.19057E+00	

0.44200E+01 0.10377E+00
 0.51050E+01 0.50828E-01
 0.57900E+01 0.22300E-01
 0.64750E+01 0.87359E-02
 0.71600E+01 0.30497E-02
 0.78450E+01 0.94798E-03
 0.85300E+01 0.26272E-03
 0.92150E+01 0.65510E-04
 0.99000E+01 0.15334E-04
 0.10585E+02 0.39385E-05
 0.11270E+02 0.15546E-05
 0.11955E+02 0.10815E-05
 0.12640E+02 0.10011E-05
 0.13325E+02 0.99436E-06
 0.14010E+02 0.99698E-06
 0.14695E+02 0.99885E-06
 0.15380E+02 0.99963E-06
 0.16065E+02 0.99989E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11072E+00
 0.51050E+01 0.55453E-01
 0.57900E+01 0.24970E-01
 0.64750E+01 0.10077E-01
 0.71600E+01 0.36369E-02
 0.78450E+01 0.11727E-02
 0.85300E+01 0.33817E-03
 0.92150E+01 0.87668E-04
 0.99000E+01 0.21278E-04
 0.10585E+02 0.54193E-05
 0.11270E+02 0.19226E-05
 0.11955E+02 0.11704E-05
 0.12640E+02 0.10189E-05
 0.13325E+02 0.99577E-06
 0.14010E+02 0.99674E-06
 0.14695E+02 0.99856E-06
 0.15380E+02 0.99949E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.00000E+00	0.10000E+01	0.90958E+00
	0.30500E+00	0.95648E+00	
	0.61000E+00	0.90434E+00	
	0.91500E+00	0.84367E+00	
	0.12200E+01	0.77540E+00	
	0.15250E+01	0.70126E+00	
	0.18300E+01	0.62349E+00	
	0.21350E+01	0.54466E+00	
	0.24400E+01	0.46743E+00	
	0.27450E+01	0.39428E+00	
	0.30500E+01	0.32753E+00	
	0.37350E+01	0.19959E+00	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.91052E+00
	0.30500E+00	0.95403E+00	
	0.61000E+00	0.90169E+00	
	0.91500E+00	0.84116E+00	
	0.12200E+01	0.77323E+00	
	0.15250E+01	0.69597E+00	
	0.18300E+01	0.62237E+00	
	0.21350E+01	0.54417E+00	
	0.24400E+01	0.46755E+00	
	0.27450E+01	0.39503E+00	
	0.30500E+01	0.32910E+00	
	0.37350E+01	0.19975E+00	

0.44200E+01 0.11119E+00
 0.51050E+01 0.55971E-01
 0.57900E+01 0.25360E-01
 0.64750E+01 0.10310E-01
 0.71600E+01 0.37530E-02
 0.78450E+01 0.12220E-02
 0.85300E+01 0.35628E-03
 0.92150E+01 0.93772E-04
 0.99000E+01 0.23060E-04
 0.10585E+02 0.59564E-05
 0.11270E+02 0.20924E-05
 0.11955E+02 0.12231E-05
 0.12640E+02 0.10324E-05
 0.13325E+02 0.99904E-06
 0.14010E+02 0.99629E-06
 0.14695E+02 0.99846E-06
 0.15380E+02 0.99943E-06
 0.16065E+02 0.99982E-06
 0.16750E+02 0.99995E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11664E+00
 0.51050E+01 0.60168E-01
 0.57900E+01 0.28097E-01
 0.64750E+01 0.11836E-01
 0.71600E+01 0.44885E-02
 0.78450E+01 0.15304E-02
 0.85300E+01 0.46946E-03
 0.92150E+01 0.13035E-03
 0.99000E+01 0.33571E-04
 0.10585E+02 0.87059E-05
 0.11270E+02 0.27848E-05
 0.11955E+02 0.14025E-05
 0.12640E+02 0.10784E-05
 0.13325E+02 0.10089E-05
 0.14010E+02 0.99826E-06
 0.14695E+02 0.99837E-06
 0.15380E+02 0.99928E-06
 0.16065E+02 0.99975E-06
 0.16750E+02 0.99992E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.91567E+00
	0.3050E+00	0.94874E+00	
	0.6100E+00	0.89396E+00	
	0.9150E+00	0.83349E+00	
	0.1220E+01	0.76693E+00	
	0.1525E+01	0.69533E+00	
	0.1830E+01	0.62056E+00	
	0.2135E+01	0.54492E+00	
	0.2440E+01	0.47083E+00	
	0.2745E+01	0.40073E+00	
	0.3050E+01	0.33682E+00	
	0.3735E+01	0.20625E+00	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.92128E+00
	0.3050E+00	0.94541E+00	
	0.6100E+00	0.88842E+00	
	0.9150E+00	0.82731E+00	
	0.1220E+01	0.76150E+00	
	0.1525E+01	0.69157E+00	
	0.1830E+01	0.61897E+00	
	0.2135E+01	0.54570E+00	
	0.2440E+01	0.47392E+00	
	0.2745E+01	0.40574E+00	
	0.3050E+01	0.34305E+00	
	0.3735E+01	0.21275E+00	

0.44200E+01 0.12209E+00
 0.51050E+01 0.64325E-01
 0.57900E+01 0.30870E-01
 0.64750E+01 0.13434E-01
 0.71600E+01 0.52884E-02
 0.78450E+01 0.18808E-02
 0.85300E+01 0.60488E-03
 0.92150E+01 0.17635E-03
 0.99000E+01 0.47537E-04
 0.10585E+02 0.12556E-04
 0.11270E+02 0.37930E-05
 0.11955E+02 0.16698E-05
 0.12640E+02 0.11503E-05
 0.13325E+02 0.10267E-05
 0.14010E+02 0.10017E-05
 0.14695E+02 0.99871E-06
 0.15380E+02 0.99917E-06
 0.16065E+02 0.99967E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12750E+00
 0.51050E+01 0.68466E-01
 0.57900E+01 0.33674E-01
 0.64750E+01 0.15095E-01
 0.71600E+01 0.61498E-02
 0.78450E+01 0.22736E-02
 0.85300E+01 0.76271E-03
 0.92150E+01 0.23294E-03
 0.99000E+01 0.65627E-04
 0.10585E+02 0.17799E-04
 0.11270E+02 0.52210E-05
 0.11955E+02 0.20575E-05
 0.12640E+02 0.12582E-05
 0.13325E+02 0.10557E-05
 0.14010E+02 0.10085E-05
 0.14695E+02 0.99989E-06
 0.15380E+02 0.99923E-06
 0.16065E+02 0.99960E-06
 0.16750E+02 0.99985E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.92721E+00
	0.3050E+00	0.94300E+00	
	0.6100E+00	0.88426E+00	
	0.9150E+00	0.82246E+00	
	0.1220E+01	0.75705E+00	
	0.1525E+01	0.68840E+00	
	0.1830E+01	0.61765E+00	
	0.2135E+01	0.54645E+00	
	0.2440E+01	0.47666E+00	
	0.2745E+01	0.41013E+00	
	0.3050E+01	0.34854E+00	
	0.3735E+01	0.21898E+00	

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.93337E+00
	0.3050E+00	0.94118E+00	
	0.6100E+00	0.88106E+00	
	0.9150E+00	0.81865E+00	
	0.1220E+01	0.75349E+00	
	0.1525E+01	0.68584E+00	
	0.1830E+01	0.61661E+00	
	0.2135E+01	0.54717E+00	
	0.2440E+01	0.47912E+00	
	0.2745E+01	0.41405E+00	
	0.3050E+01	0.35351E+00	
	0.3735E+01	0.22490E+00	

0.44200E+01 0.13283E+00
 0.51050E+01 0.72595E-01
 0.57900E+01 0.26509E-01
 0.64750E+01 0.16815E-01
 0.71600E+01 0.70694E-02
 0.78450E+01 0.27085E-02
 0.85300E+01 0.94527E-03
 0.92150E+01 0.30124E-03
 0.99000E+01 0.08529E-04
 0.10585E+02 0.24761E-04
 0.11270E+02 0.71940E-05
 0.11955E+02 0.26066E-05
 0.12640E+02 0.14147E-05
 0.13325E+02 0.11002E-05
 0.14010E+02 0.10202E-05
 0.14695E+02 0.10024E-05
 0.15380E+02 0.99960E-06
 0.16065E+02 0.99958E-06
 0.16750E+02 0.99981E-06
 0.17435E+02 0.99993E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.93971E+00
	0.30500E+00	0.93976E+00	
	0.61000E+00	0.87856E+00	
	0.91500E+00	0.81565E+00	
	0.12200E+01	0.75066E+00	
	0.15250E+01	0.68382E+00	
	0.18300E+01	0.61585E+00	
	0.21350E+01	0.54792E+00	
	0.24400E+01	0.48137E+00	
	0.27450E+01	0.41761E+00	
	0.30500E+01	0.35806E+00	
	0.37350E+01	0.23053E+00	

0.44200E+01 0.14312E+00
 0.51050E+01 0.80779E-01
 0.57900E+01 0.42256E-01
 0.64750E+01 0.20409E-01
 0.71600E+01 0.90715E-02
 0.78450E+01 0.37028E-02
 0.85300E+01 0.13867E-02
 0.92150E+01 0.47697E-03
 0.99000E+01 0.15155E-03
 0.10585E+02 0.45285E-04
 0.11270E+02 0.13383E-04
 0.11955E+02 0.44042E-05
 0.12640E+02 0.19431E-05
 0.13325E+02 0.12586E-05
 0.14010E+02 0.10662E-05
 0.14695E+02 0.10145E-05
 0.15380E+02 0.10023E-05
 0.16065E+02 0.99999E-06
 0.16750E+02 0.99980E-06
 0.17435E+02 0.99989E-06
 0.18120E+02 0.99996E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.95278E+00
	0.30500E+00	0.93778E+00	
	0.61000E+00	0.87508E+00	
	0.91500E+00	0.81145E+00	
	0.12200E+01	0.74575E+00	
	0.15250E+01	0.68112E+00	
	0.18300E+01	0.61512E+00	
	0.21350E+01	0.54958E+00	
	0.24400E+01	0.48550E+00	
	0.27450E+01	0.42399E+00	
	0.30500E+01	0.36623E+00	
	0.37350E+01	0.24096E+00	

0.44200E+01 0.13804E+00
 0.51050E+01 0.76703E-01
 0.57900E+01 0.39371E-01
 0.64750E+01 0.18587E-01
 0.71600E+01 0.80443E-02
 0.78450E+01 0.31851E-02
 0.85300E+01 0.11530E-02
 0.92150E+01 0.38227E-03
 0.99000E+01 0.11694E-03
 0.10585E+02 0.33797E-04
 0.11270E+02 0.98587E-05
 0.11955E+02 0.33682E-05
 0.12640E+02 0.16363E-05
 0.13325E+02 0.11656E-05
 0.14010E+02 0.10386E-05
 0.14695E+02 0.10070E-05
 0.15380E+02 0.10005E-05
 0.16065E+02 0.99968E-06
 0.16750E+02 0.99979E-06
 0.17435E+02 0.99991E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94619E+00
	0.30500E+00	0.93865E+00	
	0.61000E+00	0.87661E+00	
	0.91500E+00	0.81330E+00	
	0.12200E+01	0.74845E+00	
	0.15250E+01	0.68278E+00	
	0.18300E+01	0.61536E+00	
	0.21350E+01	0.54971E+00	
	0.24400E+01	0.48348E+00	
	0.27450E+01	0.42091E+00	
	0.30500E+01	0.36228E+00	
	0.37350E+01	0.23587E+00	

0.44200E+01 0.14805E+00
 0.51050E+01 0.84813E-01
 0.57900E+01 0.45159E-01
 0.64750E+01 0.22276E-01
 0.71600E+01 0.10149E-01
 0.78450E+01 0.42608E-02
 0.85300E+01 0.16467E-02
 0.92150E+01 0.58618E-03
 0.99000E+01 0.19303E-03
 0.10585E+02 0.59623E-04
 0.11270E+02 0.17953E-04
 0.11955E+02 0.57884E-05
 0.12640E+02 0.23605E-05
 0.13325E+02 0.13877E-05
 0.14010E+02 0.11061E-05
 0.14695E+02 0.10262E-05
 0.15380E+02 0.10053E-05
 0.16065E+02 0.10007E-05
 0.16750E+02 0.99990E-06
 0.17435E+02 0.99989E-06
 0.18120E+02 0.99995E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.95945E+00
	0.30500E+00	0.93711E+00	
	0.61000E+00	0.87388E+00	
	0.91500E+00	0.81005E+00	
	0.12200E+01	0.74547E+00	
	0.15250E+01	0.68033E+00	
	0.18300E+01	0.61510E+00	
	0.21350E+01	0.55052E+00	
	0.24400E+01	0.48747E+00	
	0.27450E+01	0.42692E+00	
	0.30500E+01	0.36996E+00	
	0.37350E+01	0.24581E+00	

0.44200E+01 0.15284E+00
 0.51050E+01 0.80797E-01
 0.57900E+01 0.48074E-01
 0.64750E+01 0.24184E-01
 0.71600E+01 0.11273E-01
 0.78450E+01 0.48582E-02
 0.85300E+01 0.19334E-02
 0.92150E+01 0.71066E-03
 0.99000E+01 0.24205E-03
 0.10585E+02 0.77220E-04
 0.11270E+02 0.23774E-04
 0.11955E+02 0.76062E-05
 0.12640E+02 0.29193E-05
 0.13325E+02 0.15633E-05
 0.14010E+02 0.11000E-05
 0.14695E+02 0.10434E-05
 0.15380E+02 0.10102E-05
 0.16065E+02 0.10019E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99992E-06
 0.18120E+02 0.99994E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15749E+00
 0.51050E+01 0.92726E-01
 0.57900E+01 0.50994E-01
 0.64750E+01 0.26128E-01
 0.71600E+01 0.12441E-01
 0.78450E+01 0.54941E-02
 0.85300E+01 0.22470E-02
 0.92150E+01 0.85103E-03
 0.99000E+01 0.29922E-03
 0.10585E+02 0.98492E-04
 0.11270E+02 0.31066E-04
 0.11955E+02 0.99550E-05
 0.12640E+02 0.36565E-05
 0.13325E+02 0.17982E-05
 0.14010E+02 0.12385E-05
 0.14695E+02 0.10679E-05
 0.15380E+02 0.10175E-05
 0.16065E+02 0.10039E-05
 0.16750E+02 0.10006E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99995E-06
 0.18805E+02 0.99997E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.96619E+00
	0.3050E+00	0.93658E+00	
	0.6100E+00	0.87297E+00	
	0.9150E+00	0.80898E+00	
	0.1220E+01	0.74454E+00	
	0.1525E+01	0.67983E+00	
	0.1830E+01	0.61528E+00	
	0.2135E+01	0.55155E+00	
	0.2440E+01	0.48940E+00	
	0.2745E+01	0.42972E+00	
	0.3050E+01	0.37350E+00	
	0.3735E+01	0.25045E+00	

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.1000E+01	0.97297E+00
	0.3050E+00	0.93618E+00	
	0.6100E+00	0.87228E+00	
	0.9150E+00	0.80819E+00	
	0.1220E+01	0.74390E+00	
	0.1525E+01	0.67958E+00	
	0.1830E+01	0.61564E+00	
	0.2135E+01	0.55266E+00	
	0.2440E+01	0.49133E+00	
	0.2745E+01	0.43243E+00	
	0.3050E+01	0.37690E+00	
	0.3735E+01	0.25491E+00	

0.44200E+01 0.16201E+00
 0.51050E+01 0.96596E-01
 0.57900E+01 0.53914E-01
 0.64750E+01 0.28105E-01
 0.71600E+01 0.13652E-01
 0.78450E+01 0.61673E-02
 0.85300E+01 0.25875E-02
 0.92150E+01 0.10079E-02
 0.99000E+01 0.36514E-03
 0.10585E+02 0.12388E-03
 0.11270E+02 0.40064E-04
 0.11955E+02 0.12944E-04
 0.12640E+02 0.46156E-05
 0.13325E+02 0.21081E-05
 0.14010E+02 0.13411E-05
 0.14695E+02 0.11018E-05
 0.15380E+02 0.10283E-05
 0.16065E+02 0.10070E-05
 0.16750E+02 0.10014E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99997E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.16639E+00
 0.51050E+01 0.10040E+00
 0.57900E+01 0.56829E-01
 0.64750E+01 0.30110E-01
 0.71600E+01 0.14902E-01
 0.78450E+01 0.68769E-02
 0.85300E+01 0.29549E-02
 0.92150E+01 0.11817E-02
 0.99000E+01 0.44036E-03
 0.10585E+02 0.15372E-03
 0.11270E+02 0.51009E-04
 0.11955E+02 0.16692E-04
 0.12640E+02 0.58471E-05
 0.13325E+02 0.25115E-05
 0.14010E+02 0.14765E-05
 0.14695E+02 0.11477E-05
 0.15380E+02 0.10433E-05
 0.16065E+02 0.10116E-05
 0.16750E+02 0.10027E-05
 0.17435E+02 0.10005E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99998E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.1000E+01	0.97980E+00
	0.3050E+00	0.93589E+00	
	0.6100E+00	0.87178E+00	
	0.9150E+00	0.80764E+00	
	0.1220E+01	0.74350E+00	
	0.1525E+01	0.67955E+00	
	0.1830E+01	0.61616E+00	
	0.2135E+01	0.55385E+00	
	0.2440E+01	0.49325E+00	
	0.2745E+01	0.43507E+00	
	0.3050E+01	0.38017E+00	
	0.3735E+01	0.25919E+00	

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.1000E+01	0.98666E+00
	0.3050E+00	0.93568E+00	
	0.6100E+00	0.87143E+00	
	0.9150E+00	0.80729E+00	
	0.1220E+01	0.74322E+00	
	0.1525E+01	0.67971E+00	
	0.1830E+01	0.61681E+00	
	0.2135E+01	0.55511E+00	
	0.2440E+01	0.49517E+00	
	0.2745E+01	0.43765E+00	
	0.3050E+01	0.38334E+00	
	0.3735E+01	0.26332E+00	

0.44200E+01 0.17065E+00
 0.51050E+01 0.10413E+00
 0.57900E+01 0.59735E-01
 0.64750E+01 0.32139E-01
 0.71600E+01 0.16189E-01
 0.78450E+01 0.76214E-02
 0.85300E+01 0.33490E-02
 0.92150E+01 0.13728E-02
 0.99000E+01 0.52538E-03
 0.10585E+02 0.18851E-03
 0.11270E+02 0.64156E-04
 0.11955E+02 0.21331E-04
 0.12640E+02 0.74082E-05
 0.13325E+02 0.30308E-05
 0.14010E+02 0.16528E-05
 0.14695E+02 0.12086E-05
 0.15380E+02 0.10641E-05
 0.16065E+02 0.10183E-05
 0.16750E+02 0.10047E-05
 0.17435E+02 0.10010E-05
 0.18120E+02 0.10002E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.1000E+01	0.10089E+01
	0.3050E+00	0.9407E+00	
	0.6100E+00	0.8784E+00	
	0.9150E+00	0.8149E+00	
	0.1220E+01	0.7512E+00	
	0.1525E+01	0.6886E+00	
	0.1830E+01	0.6256E+00	
	0.2135E+01	0.5644E+00	
	0.2440E+01	0.5050E+00	
	0.2745E+01	0.4479E+00	
	0.3050E+01	0.3939E+00	
	0.3735E+01	0.2758E+00	

0.44200E+01 0.19985E+00
 0.51050E+01 0.12751E+00
 0.57900E+01 0.76860E-01
 0.64750E+01 0.43722E-01
 0.71600E+01 0.23439E-01
 0.78450E+01 0.11825E-01
 0.85300E+01 0.56074E-02
 0.92150E+01 0.24970E-02
 0.99000E+01 0.10441E-02
 0.10585E+02 0.41042E-03
 0.11270E+02 0.15236E-03
 0.11955E+02 0.54039E-04
 0.12640E+02 0.18830E-04
 0.13325E+02 0.68717E-05
 0.14010E+02 0.29323E-05
 0.14695E+02 0.16420E-05
 0.15380E+02 0.12130E-05
 0.16065E+02 0.10689E-05
 0.16750E+02 0.10212E-05
 0.17435E+02 0.10061E-05
 0.18120E+02 0.10016E-05
 0.18805E+02 0.10003E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.1000E+01	0.10965E+01
	0.3050E+00	0.9542E+00	
	0.6100E+00	0.9023E+00	
	0.9150E+00	0.8461E+00	
	0.1220E+01	0.7871E+00	
	0.1525E+01	0.7269E+00	
	0.1830E+01	0.6664E+00	
	0.2135E+01	0.6065E+00	
	0.2440E+01	0.5481E+00	
	0.2745E+01	0.4918E+00	
	0.3050E+01	0.4384E+00	
	0.3735E+01	0.3227E+00	

0.44200E+01 0.18181E+00
 0.51050E+01 0.11306E+00
 0.57900E+01 0.66256E-01
 0.64750E+01 0.36523E-01
 0.71600E+01 0.18907E-01
 0.78450E+01 0.91768E-02
 0.85300E+01 0.41707E-02
 0.92150E+01 0.17736E-02
 0.99000E+01 0.70553E-03
 0.10585E+02 0.26369E-03
 0.11270E+02 0.93166E-04
 0.11955E+02 0.31767E-04
 0.12640E+02 0.10957E-04
 0.13325E+02 0.42028E-05
 0.14010E+02 0.20424E-05
 0.14695E+02 0.13414E-05
 0.15380E+02 0.11096E-05
 0.16065E+02 0.10335E-05
 0.16750E+02 0.10095E-05
 0.17435E+02 0.10024E-05
 0.18120E+02 0.10005E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.1000E+01	0.10457E+01
	0.3050E+00	0.9473E+00	
	0.6100E+00	0.8895E+00	
	0.9150E+00	0.8287E+00	
	0.1220E+01	0.7666E+00	
	0.1525E+01	0.7042E+00	
	0.1830E+01	0.6424E+00	
	0.2135E+01	0.5817E+00	
	0.2440E+01	0.5227E+00	
	0.2745E+01	0.4660E+00	
	0.3050E+01	0.4123E+00	
	0.3735E+01	0.2957E+00	

0.44200E+01 0.22465E+00
 0.51050E+01 0.14796E+00
 0.57900E+01 0.92252E-01
 0.64750E+01 0.54446E-01
 0.71600E+01 0.30394E-01
 0.78450E+01 0.16031E-01
 0.85300E+01 0.79800E-02
 0.92150E+01 0.37455E-02
 0.99000E+01 0.16568E-02
 0.10585E+02 0.69096E-03
 0.11270E+02 0.27222E-03
 0.11955E+02 0.10191E-03
 0.12640E+02 0.36788E-04
 0.13325E+02 0.13250E-04
 0.14010E+02 0.51201E-05
 0.14695E+02 0.23851E-05
 0.15380E+02 0.14681E-05
 0.16065E+02 0.11573E-05
 0.16750E+02 0.10515E-05
 0.17435E+02 0.10161E-05
 0.18120E+02 0.10047E-05
 0.18805E+02 0.10013E-05
 0.19490E+02 0.10003E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.1000E+01	0.11608E+01
	0.3050E+00	0.9608E+00	
	0.6100E+00	0.9154E+00	
	0.9150E+00	0.8648E+00	
	0.1220E+01	0.8105E+00	
	0.1525E+01	0.7538E+00	
	0.1830E+01	0.6954E+00	
	0.2135E+01	0.6377E+00	
	0.2440E+01	0.5804E+00	
	0.2745E+01	0.5248E+00	
	0.3050E+01	0.4718E+00	
	0.3735E+01	0.3565E+00	

0.44200E+01 0.25617E+00
 0.51050E+01 0.17439E+00
 0.57900E+01 0.11321E+00
 0.64750E+01 0.69610E-01
 0.71600E+01 0.40617E-01
 0.78450E+01 0.22478E-01
 0.85300E+01 0.11789E-01
 0.92150E+01 0.58545E-02
 0.99000E+01 0.27513E-02
 0.10585E+02 0.12233E-02
 0.11270E+02 0.51490E-03
 0.11955E+02 0.20570E-03
 0.12640E+02 0.78506E-04
 0.13325E+02 0.29081E-04
 0.14010E+02 0.10005E-04
 0.14695E+02 0.43916E-05
 0.15380E+02 0.21642E-05
 0.16065E+02 0.14000E-05
 0.16750E+02 0.11365E-05
 0.17435E+02 0.10455E-05
 0.18120E+02 0.10146E-05
 0.18805E+02 0.10045E-05
 0.19490E+02 0.10013E-05
 0.20175E+02 0.10003E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29444E+00
 0.51050E+01 0.20833E+00
 0.57900E+01 0.14047E+00
 0.64750E+01 0.90203E-01
 0.71600E+01 0.55147E-01
 0.78450E+01 0.32088E-01
 0.85300E+01 0.17762E-01
 0.92150E+01 0.93481E-02
 0.99000E+01 0.46749E-02
 0.10585E+02 0.22206E-02
 0.11270E+02 0.10018E-02
 0.11955E+02 0.42964E-03
 0.12640E+02 0.17559E-03
 0.13325E+02 0.58830E-04
 0.14010E+02 0.25289E-04
 0.14695E+02 0.10123E-04
 0.15380E+02 0.42278E-05
 0.16065E+02 0.21331E-05
 0.16750E+02 0.13966E-05
 0.17435E+02 0.11378E-05
 0.18120E+02 0.10470E-05
 0.18805E+02 0.10155E-05
 0.19490E+02 0.10049E-05
 0.20175E+02 0.10015E-05
 0.20860E+02 0.10004E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.12382E+01
	0.3050E+00	0.95701E+00	
	0.6100E+00	0.92792E+00	
	0.9150E+00	0.88349E+00	
	0.1220E+01	0.83471E+00	
	0.1525E+01	0.78268E+00	
	0.1830E+01	0.72851E+00	
	0.2135E+01	0.67330E+00	
	0.2440E+01	0.61808E+00	
	0.2745E+01	0.56389E+00	
	0.3050E+01	0.51174E+00	
	0.3735E+01	0.39706E+00	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.13286E+01
	0.3050E+00	0.97250E+00	
	0.6100E+00	0.93939E+00	
	0.9150E+00	0.90110E+00	
	0.1220E+01	0.85826E+00	
	0.1525E+01	0.81170E+00	
	0.1830E+01	0.76231E+00	
	0.2135E+01	0.71108E+00	
	0.2440E+01	0.65901E+00	
	0.2745E+01	0.60714E+00	
	0.3050E+01	0.55655E+00	
	0.3735E+01	0.44350E+00	

0.44200E+01 0.33929E+00
 0.51050E+01 0.24880E+00
 0.57900E+01 0.17462E+00
 0.64750E+01 0.11717E+00
 0.71600E+01 0.75117E-01
 0.78450E+01 0.45990E-01
 0.85300E+01 0.26880E-01
 0.92150E+01 0.14994E-01
 0.99000E+01 0.79782E-02
 0.10585E+02 0.40481E-02
 0.11270E+02 0.19581E-02
 0.11955E+02 0.90296E-03
 0.12640E+02 0.39729E-03
 0.13325E+02 0.16717E-03
 0.14010E+02 0.67658E-04
 0.14695E+02 0.26693E-04
 0.15380E+02 0.10588E-04
 0.16065E+02 0.44966E-05
 0.16750E+02 0.22595E-05
 0.17435E+02 0.14506E-05
 0.18120E+02 0.11598E-05
 0.18805E+02 0.10558E-05
 0.19490E+02 0.10150E-05
 0.20175E+02 0.10063E-05
 0.20860E+02 0.10020E-05
 0.21545E+02 0.10006E-05
 0.22230E+02 0.10002E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.39012E+00
 0.51050E+01 0.29613E+00
 0.57900E+01 0.21604E+00
 0.64750E+01 0.15131E+00
 0.71600E+01 0.10163E+00
 0.78450E+01 0.65423E-01
 0.85300E+01 0.40347E-01
 0.92150E+01 0.23829E-01
 0.99000E+01 0.13473E-01
 0.10585E+02 0.72909E-02
 0.11270E+02 0.37749E-02
 0.11955E+02 0.18698E-02
 0.12640E+02 0.88608E-03
 0.13325E+02 0.40202E-03
 0.14010E+02 0.17496E-03
 0.14695E+02 0.73375E-04
 0.15380E+02 0.29975E-04
 0.16065E+02 0.12223E-04
 0.16750E+02 0.52383E-05
 0.17435E+02 0.25737E-05
 0.18120E+02 0.15780E-05
 0.18805E+02 0.12101E-05
 0.19490E+02 0.10753E-05
 0.20175E+02 0.10265E-05
 0.20860E+02 0.10091E-05
 0.21545E+02 0.10030E-05
 0.22230E+02 0.10010E-05
 0.22915E+02 0.10003E-05
 0.23600E+02 0.10001E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.14317E+01
	0.3050E+00	0.9732E+00	
	0.6100E+00	0.94966E+00	
	0.9150E+00	0.91719E+00	
	0.1220E+01	0.88029E+00	
	0.1525E+01	0.83950E+00	
	0.1830E+01	0.79549E+00	
	0.2135E+01	0.74905E+00	
	0.2440E+01	0.70107E+00	
	0.2745E+01	0.65251E+00	
	0.3050E+01	0.60439E+00	
	0.3735E+01	0.49466E+00	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.15475E+01
	0.3050E+00	0.98148E+00	
	0.6100E+00	0.95865E+00	
	0.9150E+00	0.93153E+00	
	0.1220E+01	0.90027E+00	
	0.1525E+01	0.86521E+00	
	0.1830E+01	0.82679E+00	
	0.2135E+01	0.78562E+00	
	0.2440E+01	0.74240E+00	
	0.2745E+01	0.69795E+00	
	0.3050E+01	0.65318E+00	
	0.3735E+01	0.54876E+00	

0.44200E+01 0.44575E+00
 0.51050E+01 0.34973E+00
 0.57900E+01 0.26473E+00
 0.64750E+01 0.19311E+00
 0.71600E+01 0.13561E+00
 0.78450E+01 0.91611E-01
 0.85300E+01 0.59497E-01
 0.92150E+01 0.37131E-01
 0.99000E+01 0.22260E-01
 0.10585E+02 0.12815E-01
 0.11270E+02 0.70834E-02
 0.11955E+02 0.37582E-02
 0.12640E+02 0.19138E-02
 0.13325E+02 0.93548E-03
 0.14010E+02 0.43916E-03
 0.14695E+02 0.19828E-03
 0.15380E+02 0.86403E-04
 0.16065E+02 0.36627E-04
 0.16750E+02 0.15377E-04
 0.17435E+02 0.66444E-05
 0.18120E+02 0.31706E-05
 0.18805E+02 0.18225E-05
 0.19490E+02 0.13079E-05
 0.20175E+02 0.11137E-05
 0.20860E+02 0.10412E-05
 0.21545E+02 0.10146E-05
 0.22230E+02 0.10051E-05
 0.22915E+02 0.10017E-05
 0.23600E+02 0.10006E-05
 0.24285E+02 0.10002E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.50445E+00
 0.51050E+01 0.40841E+00
 0.57900E+01 0.32009E+00
 0.64750E+01 0.24260E+00
 0.71600E+01 0.17765E+00
 0.78450E+01 0.12558E+00
 0.85300E+01 0.85643E-01
 0.92150E+01 0.55615E-01
 0.99000E+01 0.35689E-01
 0.10585E+02 0.21791E-01
 0.11270E+02 0.12815E-01
 0.11955E+02 0.72574E-02
 0.12640E+02 0.39572E-02
 0.13325E+02 0.20773E-02
 0.14010E+02 0.10499E-02
 0.14695E+02 0.51107E-03
 0.15380E+02 0.23986E-03
 0.16065E+02 0.10880E-03
 0.16750E+02 0.47960E-04
 0.17435E+02 0.20796E-04
 0.18120E+02 0.91082E-05
 0.18805E+02 0.42436E-05
 0.19490E+02 0.22741E-05
 0.20175E+02 0.14932E-05
 0.20860E+02 0.11882E-05
 0.21545E+02 0.10707E-05
 0.22230E+02 0.10260E-05
 0.22915E+02 0.10094E-05
 0.23600E+02 0.10033E-05
 0.24285E+02 0.10011E-05
 0.24970E+02 0.10004E-05
 0.25655E+02 0.10001E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.16759E+01
	0.30500E+00	0.98502E+00	
	0.61000E+00	0.96640E+00	
	0.91500E+00	0.94403E+00	
	0.12200E+01	0.91795E+00	
	0.15250E+01	0.88832E+00	
	0.18300E+01	0.85541E+00	
	0.21350E+01	0.81964E+00	
	0.24400E+01	0.78152E+00	
	0.27450E+01	0.74172E+00	
	0.30500E+01	0.70099E+00	
	0.37350E+01	0.60378E+00	

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.18169E+01
	0.30500E+00	0.98800E+00	
	0.61000E+00	0.97296E+00	
	0.91500E+00	0.95474E+00	
	0.12200E+01	0.93328E+00	
	0.15250E+01	0.90863E+00	
	0.18300E+01	0.88091E+00	
	0.21350E+01	0.85040E+00	
	0.24400E+01	0.81744E+00	
	0.27450E+01	0.78253E+00	
	0.30500E+01	0.74628E+00	
	0.37350E+01	0.65778E+00	

0.44200E+01 0.56421E+00
 0.51050E+01 0.47042E+00
 0.57900E+01 0.38089E+00
 0.64750E+01 0.29918E+00
 0.71600E+01 0.22778E+00
 0.78450E+01 0.16797E+00
 0.85300E+01 0.11989E+00
 0.92150E+01 0.82773E-01
 0.99000E+01 0.55254E-01
 0.10585E+02 0.35647E-01
 0.11270E+02 0.22219E-01
 0.11955E+02 0.13377E-01
 0.12640E+02 0.77777E-02
 0.13325E+02 0.43662E-02
 0.14010E+02 0.23664E-02
 0.14695E+02 0.12383E-02
 0.15380E+02 0.62578E-03
 0.16065E+02 0.30561E-03
 0.16750E+02 0.14446E-03
 0.17435E+02 0.66332E-04
 0.18120E+02 0.29817E-04
 0.18805E+02 0.13344E-04
 0.19490E+02 0.61531E-05
 0.20175E+02 0.31080E-05
 0.20860E+02 0.18473E-05
 0.21545E+02 0.13354E-05
 0.22230E+02 0.11307E-05
 0.22915E+02 0.10500E-05
 0.23600E+02 0.10188E-05
 0.24285E+02 0.10069E-05
 0.24970E+02 0.10025E-05
 0.25655E+02 0.10009E-05
 0.26340E+02 0.10003E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.62302E+00
 0.51050E+01 0.53372E+00
 0.57900E+01 0.44533E+00
 0.64750E+01 0.36155E+00
 0.71600E+01 0.28937E+00
 0.78450E+01 0.21881E+00
 0.85300E+01 0.16288E+00
 0.92150E+01 0.11764E+00
 0.99000E+01 0.82397E-01
 0.10585E+02 0.55943E-01
 0.11270E+02 0.36804E-01
 0.11955E+02 0.23454E-01
 0.12640E+02 0.14475E-01
 0.13325E+02 0.86502E-02
 0.14010E+02 0.50042E-02
 0.14695E+02 0.28074E-02
 0.15380E+02 0.15191E-02
 0.16065E+02 0.79724E-03
 0.16750E+02 0.40524E-03
 0.17435E+02 0.19970E-03
 0.18120E+02 0.95621E-04
 0.18805E+02 0.44697E-04
 0.19490E+02 0.20604E-04
 0.20175E+02 0.95663E-05
 0.20860E+02 0.46581E-05
 0.21545E+02 0.25320E-05
 0.22230E+02 0.16309E-05
 0.22915E+02 0.12557E-05
 0.23600E+02 0.11019E-05
 0.24285E+02 0.10399E-05
 0.24970E+02 0.10153E-05
 0.25655E+02 0.10057E-05
 0.26340E+02 0.10021E-05
 0.27025E+02 0.10008E-05
 0.27710E+02 0.10003E-05
 0.28395E+02 0.10001E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.19705E+01
	0.30500E+00	0.99048E+00	
	0.61000E+00	0.97846E+00	
	0.91500E+00	0.96379E+00	
	0.12200E+01	0.94635E+00	
	0.15250E+01	0.92612E+00	
	0.18300E+01	0.90314E+00	
	0.21350E+01	0.87754E+00	
	0.24400E+01	0.84957E+00	
	0.27450E+01	0.81954E+00	
	0.30500E+01	0.78793E+00	
	0.37350E+01	0.70911E+00	

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.21369E+01
	0.30500E+00	0.99251E+00	
	0.61000E+00	0.98300E+00	
	0.91500E+00	0.97131E+00	
	0.12200E+01	0.95732E+00	
	0.15250E+01	0.94094E+00	
	0.18300E+01	0.92215E+00	
	0.21350E+01	0.90102E+00	
	0.24400E+01	0.87766E+00	
	0.27450E+01	0.85230E+00	
	0.30500E+01	0.82526E+00	
	0.37350E+01	0.75651E+00	

POLLUTEV6 SIMULATION

RUN DATE - 27-8-99
TIME - 11:48:44

REVISION - 1994/03/01

VERSION 6.0.2

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LICENSED USER: Andrews Environmental Eng. Inc

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

R534

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.5000E+01	0.1000E+01			
9	0.1500E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

#VAR Existing Expansion Area = EL2HEM#.IN

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT OF DISPERSION	PROPERTIES OF THE MATRIX HYDRODYNAMIC POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.1800E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.1800E-01	0.50000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4
See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.48217E-24	
	0.37350E+01	0.68551E-31	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.1000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25164E-14	
	0.30500E+01	0.15552E-15	
	0.37350E+01	0.81159E-19	

0.44200E+01 0.87809E-20
 0.51050E+01 0.21417E-13
 0.57900E+01 0.25295E-08
 0.64750E+01 0.48714E-06
 0.71600E+01 0.99644E-06
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.27921E-13
 0.51050E+01 0.99730E-10
 0.57900E+01 0.20549E-07
 0.64750E+01 0.36615E-06
 0.71600E+01 0.87769E-06
 0.78450E+01 0.99782E-06
 0.85300E+01 0.99999E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
	0.3050E+00	0.55442E+00	
	0.6100E+00	0.22053E+00	
	0.9150E+00	0.61633E-01	
	0.1220E+01	0.11926E-01	
	0.1525E+01	0.15779E-02	
	0.1830E+01	0.14151E-03	
	0.2135E+01	0.85531E-05	
	0.2440E+01	0.34683E-06	
	0.2745E+01	0.93990E-08	
	0.3050E+01	0.15088E-09	
	0.3735E+01	0.17060E-14	

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.21292E+00
	0.3050E+00	0.57587E+00	
	0.6100E+00	0.37700E+00	
	0.9150E+00	0.17147E+00	
	0.1220E+01	0.62969E-01	
	0.1525E+01	0.18524E-01	
	0.1830E+01	0.43396E-02	
	0.2135E+01	0.80628E-03	
	0.2440E+01	0.11845E-03	
	0.2745E+01	0.13717E-04	
	0.3050E+01	0.11218E-05	
	0.3735E+01	0.83827E-09	

0.44200E+01 0.10000E-10
 0.51050E+01 0.13829E-08
 0.57900E+01 0.41696E-07
 0.64750E+01 0.31478E-06
 0.71600E+01 0.75589E-06
 0.78450E+01 0.96601E-06
 0.85300E+01 0.99873E-06
 0.92150E+01 0.99998E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.25292E-08
 0.51050E+01 0.49131E-08
 0.57900E+01 0.58643E-07
 0.64750E+01 0.28557E-06
 0.71600E+01 0.65555E-06
 0.78450E+01 0.90890E-06
 0.85300E+01 0.98784E-06
 0.92150E+01 0.99927E-06
 0.99000E+01 0.99998E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.3050E+00	0.75689E+00	
	0.6100E+00	0.50575E+00	
	0.9150E+00	0.29752E+00	
	0.1220E+01	0.15215E+00	
	0.1525E+01	0.67396E-01	
	0.1830E+01	0.25747E-01	
	0.2135E+01	0.84554E-02	
	0.2440E+01	0.23810E-02	
	0.2745E+01	0.57234E-03	
	0.3050E+01	0.10643E-03	
	0.3735E+01	0.85588E-06	

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.3050E+00	0.90783E+00	
	0.6100E+00	0.79697E+00	
	0.9150E+00	0.67430E+00	
	0.1220E+01	0.54828E+00	
	0.1525E+01	0.42739E+00	
	0.1830E+01	0.31871E+00	
	0.2135E+01	0.22683E+00	
	0.2440E+01	0.15345E+00	
	0.2745E+01	0.97574E-01	
	0.3050E+01	0.55996E-01	
	0.3735E+01	0.12196E-01	

0.44200E+01 0.18918E-02
 0.51050E+01 0.20782E-03
 0.57900E+01 0.16185E-04
 0.64750E+01 0.11143E-05
 0.71600E+01 0.4832E-06
 0.78450E+01 0.67610E-06
 0.85300E+01 0.84853E-06
 0.92150E+01 0.94547E-06
 0.99000E+01 0.98506E-06
 0.10585E+02 0.99692E-06
 0.11270E+02 0.99952E-06
 0.11955E+02 0.99995E-06
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.29778E-01
 0.51050E+01 0.84786E-02
 0.57900E+01 0.19679E-02
 0.64750E+01 0.37208E-03
 0.71600E+01 0.57540E-04
 0.78450E+01 0.77042E-05
 0.85300E+01 0.14459E-05
 0.92150E+01 0.90327E-06
 0.99000E+01 0.92959E-06
 0.10585E+02 0.97058E-06
 0.11270E+02 0.99013E-06
 0.11955E+02 0.99724E-06
 0.12640E+02 0.99936E-06
 0.13325E+02 0.99987E-06
 0.14010E+02 0.99998E-06
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.77845E+00
	0.30500E+00	0.94701E+00	
	0.61000E+00	0.88137E+00	
	0.91500E+00	0.80461E+00	
	0.12200E+01	0.71924E+00	
	0.15250E+01	0.62845E+00	
	0.18300E+01	0.53573E+00	
	0.21350E+01	0.44444E+00	
	0.24400E+01	0.35731E+00	
	0.27450E+01	0.27605E+00	
	0.30500E+01	0.20103E+00	
	0.37350E+01	0.85420E-01	

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.82229E+00
	0.30500E+00	0.95116E+00	
	0.61000E+00	0.89068E+00	
	0.91500E+00	0.81979E+00	
	0.12200E+01	0.74040E+00	
	0.15250E+01	0.65501E+00	
	0.18300E+01	0.56649E+00	
	0.21350E+01	0.47735E+00	
	0.24400E+01	0.39118E+00	
	0.27450E+01	0.30848E+00	
	0.30500E+01	0.23019E+00	
	0.37350E+01	0.10467E+00	

0.44200E+01 0.39912E-01
 0.51050E+01 0.12650E-01
 0.57900E+01 0.33191E-02
 0.64750E+01 0.72014E-03
 0.71600E+01 0.12950E-03
 0.78450E+01 0.19860E-04
 0.85300E+01 0.32183E-05
 0.92150E+01 0.11254E-05
 0.99000E+01 0.93920E-06
 0.10585E+02 0.96213E-06
 0.11270E+02 0.98513E-06
 0.11955E+02 0.99525E-06
 0.12640E+02 0.99872E-06
 0.13325E+02 0.99971E-06
 0.14010E+02 0.99994E-06
 0.14695E+02 0.99999E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.51360E-01
 0.51050E+01 0.17835E-01
 0.57900E+01 0.52020E-02
 0.64750E+01 0.12715E-02
 0.71600E+01 0.26068E-03
 0.78450E+01 0.45500E-04
 0.85300E+01 0.74758E-05
 0.92150E+01 0.17787E-05
 0.99000E+01 0.10250E-05
 0.10585E+02 0.96347E-06
 0.11270E+02 0.98009E-06
 0.11955E+02 0.99259E-06
 0.12640E+02 0.99773E-06
 0.13325E+02 0.99940E-06
 0.14010E+02 0.99987E-06
 0.14695E+02 0.99997E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.86565E+00
	0.30500E+00	0.95494E+00	
	0.61000E+00	0.89906E+00	
	0.91500E+00	0.83332E+00	
	0.12200E+01	0.75921E+00	
	0.15250E+01	0.67874E+00	
	0.18300E+01	0.59427E+00	
	0.21350E+01	0.50823E+00	
	0.24400E+01	0.42277E+00	
	0.27450E+01	0.33943E+00	
	0.30500E+01	0.25889E+00	
	0.37350E+01	0.12497E+00	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.89467E+00
	0.30500E+00	0.95655E+00	
	0.61000E+00	0.90322E+00	
	0.91500E+00	0.84061E+00	
	0.12200E+01	0.76983E+00	
	0.15250E+01	0.69254E+00	
	0.18300E+01	0.61080E+00	
	0.21350E+01	0.52673E+00	
	0.24400E+01	0.44224E+00	
	0.27450E+01	0.35866E+00	
	0.30500E+01	0.27656E+00	
	0.37350E+01	0.13905E+00	

0.44200E+01 0.59931E-01
 0.51050E+01 0.22038E-01
 0.57900E+01 0.68760E-02
 0.64750E+01 0.18144E-02
 0.71600E+01 0.40494E-03
 0.78450E+01 0.77228E-04
 0.85300E+01 0.13420E-04
 0.92150E+01 0.28117E-05
 0.99000E+01 0.12030E-05
 0.10585E+02 0.98571E-06
 0.11270E+02 0.97871E-06
 0.11955E+02 0.99035E-06
 0.12640E+02 0.99669E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.64778E-01
 0.51050E+01 0.24595E-01
 0.57900E+01 0.79698E-02
 0.64750E+01 0.21966E-02
 0.71600E+01 0.51477E-03
 0.78450E+01 0.10350E-03
 0.85300E+01 0.18825E-04
 0.92150E+01 0.38577E-05
 0.99000E+01 0.14158E-05
 0.10585E+02 0.10244E-05
 0.11270E+02 0.98201E-06
 0.11955E+02 0.98915E-06
 0.12640E+02 0.99585E-06
 0.13325E+02 0.99871E-06
 0.14010E+02 0.99965E-06
 0.14695E+02 0.99992E-06
 0.15380E+02 0.99998E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.90962E+00
	0.3050E+00	0.95631E+00	
	0.6100E+00	0.90389E+00	
	0.9150E+00	0.84275E+00	
	0.1220E+01	0.77365E+00	
	0.1525E+01	0.69805E+00	
	0.1830E+01	0.61780E+00	
	0.2135E+01	0.53486E+00	
	0.2440E+01	0.45093E+00	
	0.2745E+01	0.36709E+00	
	0.3050E+01	0.28350E+00	
	0.3735E+01	0.14629E+00	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.91057E+00
	0.3050E+00	0.95382E+00	
	0.6100E+00	0.90118E+00	
	0.9150E+00	0.84013E+00	
	0.1220E+01	0.77128E+00	
	0.1525E+01	0.69603E+00	
	0.1830E+01	0.61614E+00	
	0.2135E+01	0.53348E+00	
	0.2440E+01	0.44961E+00	
	0.2745E+01	0.36535E+00	
	0.3050E+01	0.27856E+00	
	0.3735E+01	0.14684E+00	

0.44200E+01 0.65630E-01
 0.51050E+01 0.25191E-01
 0.57900E+01 0.82716E-02
 0.64750E+01 0.23159E-02
 0.71600E+01 0.55275E-03
 0.78450E+01 0.11357E-03
 0.85300E+01 0.21190E-04
 0.92150E+01 0.44111E-05
 0.99000E+01 0.15566E-05
 0.10585E+02 0.10585E-05
 0.11270E+02 0.98742E-06
 0.11955E+02 0.98910E-06
 0.12640E+02 0.99543E-06
 0.13325E+02 0.99850E-06
 0.14010E+02 0.99958E-06
 0.14695E+02 0.99990E-06
 0.15380E+02 0.99998E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.72475E-01
 0.51050E+01 0.29332E-01
 0.57900E+01 0.10252E-01
 0.64750E+01 0.30883E-02
 0.71600E+01 0.80110E-03
 0.78450E+01 0.18003E-03
 0.85300E+01 0.36215E-04
 0.92150E+01 0.73995E-05
 0.99000E+01 0.21386E-05
 0.10585E+02 0.11806E-05
 0.11270E+02 0.10106E-05
 0.11955E+02 0.99123E-06
 0.12640E+02 0.99466E-06
 0.13325E+02 0.99795E-06
 0.14010E+02 0.99936E-06
 0.14695E+02 0.99983E-06
 0.15380E+02 0.99996E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91574E+00
	0.3050E+00	0.94841E+00	
	0.6100E+00	0.89318E+00	
	0.9150E+00	0.83197E+00	
	0.1220E+01	0.76417E+00	
	0.1525E+01	0.69045E+00	
	0.1830E+01	0.61214E+00	
	0.2135E+01	0.53064E+00	
	0.2440E+01	0.44696E+00	
	0.2745E+01	0.36183E+00	
	0.3050E+01	0.27669E+00	
	0.3735E+01	0.15411E+00	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.92140E+00
	0.3050E+00	0.94493E+00	
	0.6100E+00	0.88730E+00	
	0.9150E+00	0.82517E+00	
	0.1220E+01	0.75769E+00	
	0.1525E+01	0.68495E+00	
	0.1830E+01	0.60776E+00	
	0.2135E+01	0.52715E+00	
	0.2440E+01	0.44424E+00	
	0.2745E+01	0.36034E+00	
	0.3050E+01	0.27747E+00	
	0.3735E+01	0.15972E+00	

0.44200E+01 0.78795E-01
 0.51050E+01 0.33535E-01
 0.57900E+01 0.12395E-01
 0.64750E+01 0.39831E-02
 0.71600E+01 0.11121E-02
 0.78450E+01 0.27081E-03
 0.85300E+01 0.58717E-04
 0.92150E+01 0.12276E-04
 0.99000E+01 0.31367E-05
 0.10585E+02 0.13938E-05
 0.11270E+02 0.10563E-05
 0.11955E+02 0.99892E-06
 0.12640E+02 0.99493E-06
 0.13325E+02 0.99747E-06
 0.14010E+02 0.99909E-06
 0.14695E+02 0.99973E-06
 0.15380E+02 0.99993E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.92739E+00
	0.30500E+00	0.94233E+00	
	0.61000E+00	0.88269E+00	
	0.91500E+00	0.81952E+00	
	0.12200E+01	0.75191E+00	
	0.15250E+01	0.67969E+00	
	0.18300E+01	0.60334E+00	
	0.21350E+01	0.52373E+00	
	0.24400E+01	0.44204E+00	
	0.27450E+01	0.35979E+00	
	0.30500E+01	0.27905E+00	
	0.37350E+01	0.16472E+00	

0.44200E+01 0.89868E-01
 0.51050E+01 0.41788E-01
 0.57900E+01 0.17050E-01
 0.64750E+01 0.61193E-02
 0.71600E+01 0.19351E-02
 0.78450E+01 0.54037E-03
 0.85300E+01 0.13451E-03
 0.92150E+01 0.30899E-04
 0.99000E+01 0.73219E-05
 0.10585E+02 0.23292E-05
 0.11270E+02 0.12735E-05
 0.11955E+02 0.10470E-05
 0.12640E+02 0.10033E-05
 0.13325E+02 0.99794E-06
 0.14010E+02 0.99867E-06
 0.14695E+02 0.99947E-06
 0.15380E+02 0.99983E-06
 0.16065E+02 0.99995E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.94008E+00
	0.30500E+00	0.93851E+00	
	0.61000E+00	0.87575E+00	
	0.91500E+00	0.81059E+00	
	0.12200E+01	0.74226E+00	
	0.15250E+01	0.67047E+00	
	0.18300E+01	0.59544E+00	
	0.21350E+01	0.51789E+00	
	0.24400E+01	0.43892E+00	
	0.27450E+01	0.35998E+00	
	0.30500E+01	0.28293E+00	
	0.37350E+01	0.17372E+00	

0.44200E+01 0.84552E-01
 0.51050E+01 0.37707E-01
 0.57900E+01 0.14673E-01
 0.64750E+01 0.49960E-02
 0.71600E+01 0.14894E-02
 0.78450E+01 0.38976E-03
 0.85300E+01 0.90766E-04
 0.92150E+01 0.19808E-04
 0.99000E+01 0.47686E-05
 0.10585E+02 0.17515E-05
 0.11270E+02 0.11375E-05
 0.11955E+02 0.10157E-05
 0.12640E+02 0.99729E-06
 0.13325E+02 0.99733E-06
 0.14010E+02 0.99883E-06
 0.14695E+02 0.99961E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.99997E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93363E+00
	0.30500E+00	0.94024E+00	
	0.61000E+00	0.87893E+00	
	0.91500E+00	0.81472E+00	
	0.12200E+01	0.74678E+00	
	0.15250E+01	0.67484E+00	
	0.18300E+01	0.59319E+00	
	0.21350E+01	0.52062E+00	
	0.24400E+01	0.44030E+00	
	0.27450E+01	0.35974E+00	
	0.30500E+01	0.28093E+00	
	0.37350E+01	0.16936E+00	

0.44200E+01 0.94838E-01
 0.51050E+01 0.45759E-01
 0.57900E+01 0.19493E-01
 0.64750E+01 0.73422E-02
 0.71600E+01 0.24497E-02
 0.78450E+01 0.72559E-03
 0.85300E+01 0.19212E-03
 0.92150E+01 0.46567E-04
 0.99000E+01 0.11158E-04
 0.10585E+02 0.32299E-05
 0.11270E+02 0.14914E-05
 0.11955E+02 0.11004E-05
 0.12640E+02 0.10152E-05
 0.13325E+02 0.99999E-06
 0.14010E+02 0.99877E-06
 0.14695E+02 0.99936E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94671E+00
	0.30500E+00	0.93704E+00	
	0.61000E+00	0.87302E+00	
	0.91500E+00	0.80700E+00	
	0.12200E+01	0.73828E+00	
	0.15250E+01	0.66659E+00	
	0.18300E+01	0.59213E+00	
	0.21350E+01	0.51554E+00	
	0.24400E+01	0.43785E+00	
	0.27450E+01	0.36043E+00	
	0.30500E+01	0.28498E+00	
	0.37350E+01	0.17784E+00	

0.44200E+01 0.99524E-01
 0.51050E+01 0.49614E-03
 0.57900E+01 0.21977E-01
 0.64750E+01 0.86523E-02
 0.71600E+01 0.30320E-02
 0.78450E+01 0.94774E-03
 0.85300E+01 0.26565E-03
 0.92150E+01 0.67915E-04
 0.99000E+01 0.16711E-04
 0.10585E+02 0.45894E-05
 0.11270E+02 0.18281E-05
 0.11955E+02 0.11865E-05
 0.12640E+02 0.10363E-05
 0.13325E+02 0.10044E-05
 0.14010E+02 0.99941E-06
 0.14695E+02 0.99934E-06
 0.15380E+02 0.99970E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10397E+00
 0.51050E+01 0.53375E-01
 0.57900E+01 0.24483E-01
 0.64750E+01 0.10037E-01
 0.71600E+01 0.36796E-02
 0.78450E+01 0.12084E-02
 0.85300E+01 0.35704E-03
 0.92150E+01 0.96099E-04
 0.99000E+01 0.24484E-04
 0.10585E+02 0.65797E-05
 0.11270E+02 0.23335E-05
 0.11955E+02 0.13194E-05
 0.12640E+02 0.10711E-05
 0.13325E+02 0.10127E-05
 0.14010E+02 0.10010E-05
 0.14695E+02 0.99951E-06
 0.15380E+02 0.99966E-06
 0.16065E+02 0.99986E-06
 0.16750E+02 0.99995E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.95349E+00
	0.30500E+00	0.93577E+00	
	0.61000E+00	0.87066E+00	
	0.91500E+00	0.80387E+00	
	0.12200E+01	0.73479E+00	
	0.15250E+01	0.66319E+00	
	0.18300E+01	0.58924E+00	
	0.21350E+01	0.51354E+00	
	0.24400E+01	0.43705E+00	
	0.27450E+01	0.36102E+00	
	0.30500E+01	0.28704E+00	
	0.37350E+01	0.18176E+00	

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.96039E+00
	0.30500E+00	0.93466E+00	
	0.61000E+00	0.86860E+00	
	0.91500E+00	0.80114E+00	
	0.12200E+01	0.73174E+00	
	0.15250E+01	0.66022E+00	
	0.18300E+01	0.58675E+00	
	0.21350E+01	0.51188E+00	
	0.24400E+01	0.43649E+00	
	0.27450E+01	0.36174E+00	
	0.30500E+01	0.28909E+00	
	0.37350E+01	0.18550E+00	

0.44200E+01 0.10820E+00
 0.51050E+01 0.56993E-01
 0.57900E+01 0.26998E-01
 0.64750E+01 0.11486E-01
 0.71600E+01 0.43890E-02
 0.78450E+01 0.15086E-02
 0.85300E+01 0.46801E-03
 0.92150E+01 0.13229E-03
 0.99000E+01 0.35036E-04
 0.10585E+02 0.94108E-05
 0.11270E+02 0.30725E-05
 0.11955E+02 0.15180E-05
 0.12640E+02 0.11253E-05
 0.13325E+02 0.10269E-05
 0.14010E+02 0.10042E-05
 0.14695E+02 0.10001E-05
 0.15380E+02 0.99970E-06
 0.16065E+02 0.99984E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11225E+00
 0.51050E+01 0.60527E-01
 0.57900E+01 0.29513E-01
 0.64750E+01 0.12987E-01
 0.71600E+01 0.51561E-02
 0.78450E+01 0.18484E-02
 0.85300E+01 0.60011E-03
 0.92150E+01 0.17764E-03
 0.99000E+01 0.48975E-04
 0.10585E+02 0.13330E-04
 0.11270E+02 0.41282E-05
 0.11955E+02 0.18070E-05
 0.12640E+02 0.12068E-05
 0.13325E+02 0.10492E-05
 0.14010E+02 0.10098E-05
 0.14695E+02 0.10013E-05
 0.15380E+02 0.99988E-06
 0.16065E+02 0.99983E-06
 0.16750E+02 0.99992E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.96741E+00
	0.30500E+00	0.93370E+00	
	0.61000E+00	0.86681E+00	
	0.91500E+00	0.79875E+00	
	0.12200E+01	0.72909E+00	
	0.15250E+01	0.65765E+00	
	0.18300E+01	0.58462E+00	
	0.21350E+01	0.51051E+00	
	0.24400E+01	0.43614E+00	
	0.27450E+01	0.36257E+00	
	0.30500E+01	0.29113E+00	
	0.37350E+01	0.18908E+00	

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.97452E+00
	0.30500E+00	0.93286E+00	
	0.61000E+00	0.86525E+00	
	0.91500E+00	0.79669E+00	
	0.12200E+01	0.72679E+00	
	0.15250E+01	0.65545E+00	
	0.18300E+01	0.58283E+00	
	0.21350E+01	0.50943E+00	
	0.24400E+01	0.43598E+00	
	0.27450E+01	0.36348E+00	
	0.30500E+01	0.29315E+00	
	0.37350E+01	0.19251E+00	

0.44200E+01 0.11614E+00
 0.51050E+01 0.63964E-01
 0.57900E+01 0.32020E-01
 0.64750E+01 0.14534E-01
 0.71600E+01 0.59756E-02
 0.78450E+01 0.22277E-02
 0.85300E+01 0.75420E-03
 0.92150E+01 0.23325E-03
 0.99000E+01 0.66940E-04
 0.10585E+02 0.18622E-04
 0.11270E+02 0.56025E-05
 0.11955E+02 0.22182E-05
 0.12640E+02 0.13254E-05
 0.13325E+02 0.10833E-05
 0.14010E+02 0.10191E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.99989E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.98173E+00
0.30500E+00	0.93213E+00		
0.61000E+00	0.86290E+00		
0.91500E+00	0.79489E+00		
0.12200E+01	0.72482E+00		
0.15250E+01	0.65357E+00		
0.18300E+01	0.58135E+00		
0.21350E+01	0.50859E+00		
0.24400E+01	0.43600E+00		
0.27450E+01	0.36448E+00		
0.30500E+01	0.29516E+00		
0.37350E+01	0.19581E+00		

0.44200E+01 0.12347E+00
 0.51050E+01 0.70567E-01
 0.57900E+01 0.36988E-01
 0.64750E+01 0.17730E-01
 0.71600E+01 0.77607E-02
 0.78450E+01 0.31011E-02
 0.85300E+01 0.11324E-02
 0.92150E+01 0.37924E-03
 0.99000E+01 0.11757E-03
 0.10585E+02 0.34606E-04
 0.11270E+02 0.10317E-04
 0.11955E+02 0.35790E-05
 0.12640E+02 0.17279E-05
 0.13325E+02 0.12050E-05
 0.14010E+02 0.10549E-05
 0.14695E+02 0.10133E-05
 0.15380E+02 0.10027E-05
 0.16065E+02 0.10004E-05
 0.16750E+02 0.99998E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.10118E+01
0.30500E+00	0.93639E+00		
0.61000E+00	0.86292E+00		
0.91500E+00	0.80022E+00		
0.12200E+01	0.73010E+00		
0.15250E+01	0.65925E+00		
0.18300E+01	0.58793E+00		
0.21350E+01	0.51655E+00		
0.24400E+01	0.44575E+00		
0.27450E+01	0.37629E+00		
0.30500E+01	0.30890E+00		
0.37350E+01	0.20703E+00		

0.44200E+01 0.11987E+00
 0.51050E+01 0.67309E-01
 0.57900E+01 0.34513E-01
 0.64750E+01 0.16117E-01
 0.71600E+01 0.68462E-02
 0.78450E+01 0.26465E-02
 0.85300E+01 0.93147E-03
 0.92150E+01 0.30014E-03
 0.99000E+01 0.89586E-04
 0.10585E+02 0.25600E-04
 0.11270E+02 0.76179E-05
 0.11955E+02 0.27922E-05
 0.12640E+02 0.14937E-05
 0.13325E+02 0.11335E-05
 0.14010E+02 0.10335E-05
 0.14695E+02 0.10073E-05
 0.15380E+02 0.10012E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99993E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.98900E+00
0.30500E+00	0.93150E+00		
0.61000E+00	0.86272E+00		
0.91500E+00	0.79335E+00		
0.12200E+01	0.72312E+00		
0.15250E+01	0.65199E+00		
0.18300E+01	0.58013E+00		
0.21350E+01	0.50797E+00		
0.24400E+01	0.43617E+00		
0.27450E+01	0.36555E+00		
0.30500E+01	0.29716E+00		
0.37350E+01	0.19900E+00		

0.44200E+01 0.13063E+00
 0.51050E+01 0.76447E-01
 0.57900E+01 0.41239E-01
 0.64750E+01 0.20445E-01
 0.71600E+01 0.92987E-02
 0.78450E+01 0.30771E-02
 0.85300E+01 0.14827E-02
 0.92150E+01 0.52131E-03
 0.99000E+01 0.16962E-03
 0.10585E+02 0.51965E-04
 0.11270E+02 0.15669E-04
 0.11955E+02 0.51544E-05
 0.12640E+02 0.21922E-05
 0.13325E+02 0.13461E-05
 0.14010E+02 0.10982E-05
 0.14695E+02 0.10261E-05
 0.15380E+02 0.10062E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.10494E+01
0.30500E+00	0.94303E+00		
0.61000E+00	0.88032E+00		
0.91500E+00	0.81386E+00		
0.12200E+01	0.74514E+00		
0.15250E+01	0.67518E+00		
0.18300E+01	0.60467E+00		
0.21350E+01	0.53418E+00		
0.24400E+01	0.46427E+00		
0.27450E+01	0.39547E+00		
0.30500E+01	0.32811E+00		
0.37350E+01	0.22101E+00		

0.44200E+01 0.14164E+00
 0.51050E+01 0.85092E-01
 0.57900E+01 0.47464E-01
 0.64750E+01 0.24470E-01
 0.71600E+01 0.11634E-01
 0.78450E+01 0.50955E-02
 0.85300E+01 0.20557E-02
 0.92150E+01 0.76489E-03
 0.99000E+01 0.26358E-03
 0.10585E+02 0.85018E-04
 0.11270E+02 0.26381E-04
 0.11955E+02 0.84193E-05
 0.12640E+02 0.31639E-05
 0.13325E+02 0.16401E-05
 0.14010E+02 0.11892E-05
 0.14695E+02 0.10540E-05
 0.15380E+02 0.10143E-05
 0.16065E+02 0.10034E-05
 0.16750E+02 0.10007E-05
 0.17435E+02 0.10001E-05
 0.18120E+02 0.99999E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15714E+00
 0.51050E+01 0.96880E-01
 0.57900E+01 0.55965E-01
 0.64750E+01 0.30096E-01
 0.71600E+01 0.15015E-01
 0.78450E+01 0.68374E-02
 0.85300E+01 0.25657E-02
 0.92150E+01 0.11747E-02
 0.99000E+01 0.43166E-03
 0.10585E+02 0.14809E-03
 0.11270E+02 0.48165E-04
 0.11955E+02 0.15432E-04
 0.12640E+02 0.53205E-05
 0.13325E+02 0.22972E-05
 0.14010E+02 0.13930E-05
 0.14695E+02 0.11179E-05
 0.15380E+02 0.10340E-05
 0.16065E+02 0.10091E-05
 0.16750E+02 0.10022E-05
 0.17435E+02 0.10005E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.11010E+01
0.30500E+00	0.95010E+00		
0.61000E+00	0.89340E+00		
0.91500E+00	0.8354E+00		
0.12200E+01	0.76609E+00		
0.15250E+01	0.69839E+00		
0.18300E+01	0.62945E+00		
0.21350E+01	0.56007E+00		
0.24400E+01	0.49086E+00		
0.27450E+01	0.42222E+00		
0.30500E+01	0.35427E+00		
0.37350E+01	0.24128E+00		

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.11663E+01
0.30500E+00	0.95702E+00		
0.61000E+00	0.90696E+00		
0.91500E+00	0.85098E+00		
0.12200E+01	0.79038E+00		
0.15250E+01	0.72642E+00		
0.18300E+01	0.66020E+00		
0.21350E+01	0.59264E+00		
0.24400E+01	0.52439E+00		
0.27450E+01	0.45588E+00		
0.30500E+01	0.38715E+00		
0.37350E+01	0.26804E+00		

0.44200E+01 0.17782E+00
 0.51050E+01 0.11244E+00
 0.57900E+01 0.67206E-01
 0.64750E+01 0.37707E-01
 0.71600E+01 0.19765E-01
 0.78450E+01 0.96530E-02
 0.85300E+01 0.43864E-02
 0.92150E+01 0.18541E-02
 0.99000E+01 0.72962E-03
 0.10585E+02 0.26814E-03
 0.11270E+02 0.92758E-04
 0.11955E+02 0.30811E-04
 0.12640E+02 0.10315E-04
 0.13325E+02 0.38645E-05
 0.14010E+02 0.18832E-05
 0.14695E+02 0.12731E-05
 0.15380E+02 0.10832E-05
 0.16065E+02 0.10243E-05
 0.16750E+02 0.10067E-05
 0.17435E+02 0.10017E-05
 0.18120E+02 0.10004E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.20427E+00
 0.51050E+01 0.13251E+00
 0.57900E+01 0.81831E-01
 0.64750E+01 0.47817E-01
 0.71600E+01 0.26305E-01
 0.78450E+01 0.13574E-01
 0.85300E+01 0.65557E-02
 0.92150E+01 0.29602E-02
 0.99000E+01 0.12496E-02
 0.10585E+02 0.49380E-03
 0.11270E+02 0.18334E-03
 0.11955E+02 0.64571E-04
 0.12640E+02 0.22086E-04
 0.13325E+02 0.77607E-05
 0.14010E+02 0.31371E-05
 0.14695E+02 0.16755E-05
 0.15380E+02 0.12131E-05
 0.16065E+02 0.10661E-05
 0.16750E+02 0.10197E-05
 0.17435E+02 0.10056E-05
 0.18120E+02 0.10015E-05
 0.18805E+02 0.10003E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.12448E+01
0.30500E+00	0.96347E+00		
0.61000E+00	0.92008E+00		
0.91500E+00	0.87054E+00		
0.12200E+01	0.81575E+00		
0.15250E+01	0.75674E+00		
0.18300E+01	0.69444E+00		
0.21350E+01	0.62970E+00		
0.24400E+01	0.56319E+00		
0.27450E+01	0.49533E+00		
0.30500E+01	0.42618E+00		
0.37350E+01	0.30135E+00		

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.13362E+01
0.30500E+00	0.96929E+00		
0.61000E+00	0.93223E+00		
0.91500E+00	0.88915E+00		
0.12200E+01	0.84060E+00		
0.15250E+01	0.78725E+00		
0.18300E+01	0.72981E+00		
0.21350E+01	0.66894E+00		
0.24400E+01	0.60519E+00		
0.27450E+01	0.53893E+00		
0.30500E+01	0.47021E+00		
0.37350E+01	0.34096E+00		

0.44200E+01 0.23692E+00
 0.51050E+01 0.15788E+00
 0.57900E+01 0.10063E+00
 0.64750E+01 0.61092E-01
 0.71600E+01 0.35173E-01
 0.78450E+01 0.19130E-01
 0.85300E+01 0.98011E-02
 0.92150E+01 0.47215E-02
 0.99000E+01 0.21368E-02
 0.10585E+02 0.90851E-03
 0.11270E+02 0.36345E-03
 0.11955E+02 0.13739E-03
 0.12640E+02 0.49594E-04
 0.13325E+02 0.17543E-04
 0.14010E+02 0.64579E-05
 0.14695E+02 0.27746E-05
 0.15380E+02 0.15749E-05
 0.16065E+02 0.11852E-05
 0.16750E+02 0.10586E-05
 0.17435E+02 0.10180E-05
 0.18120E+02 0.10053E-05
 0.18805E+02 0.10014E-05
 0.19490E+02 0.10004E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.27585E+00
 0.51050E+01 0.18917E+00
 0.57900E+01 0.12443E+00
 0.64750E+01 0.78336E-01
 0.71600E+01 0.47053E-01
 0.78450E+01 0.26876E-01
 0.85300E+01 0.14556E-01
 0.92150E+01 0.74570E-02
 0.99000E+01 0.36083E-02
 0.10585E+02 0.16478E-02
 0.11270E+02 0.71036E-03
 0.11955E+02 0.28952E-03
 0.12640E+02 0.11205E-03
 0.13325E+02 0.41634E-04
 0.14010E+02 0.15249E-04
 0.14695E+02 0.58480E-05
 0.15380E+02 0.26229E-05
 0.16065E+02 0.15394E-05
 0.16750E+02 0.11778E-05
 0.17435E+02 0.10576E-05
 0.18120E+02 0.10181E-05
 0.18805E+02 0.10055E-05
 0.19490E+02 0.10016E-05
 0.20175E+02 0.10004E-05
 0.20860E+02 0.10001E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.14404E+01
	0.30500E+00	0.97441E+00	
	0.61000E+00	0.94311E+00	
	0.91500E+00	0.90618E+00	
	0.12200E+01	0.86384E+00	
	0.15250E+01	0.81646E+00	
	0.18300E+01	0.76447E+00	
	0.21350E+01	0.70830E+00	
	0.24400E+01	0.64811E+00	
	0.27450E+01	0.58475E+00	
	0.30500E+01	0.51763E+00	
	0.37350E+01	0.38608E+00	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.15572E+01
	0.30500E+00	0.97883E+00	
	0.61000E+00	0.95264E+00	
	0.91500E+00	0.92133E+00	
	0.12200E+01	0.88489E+00	
	0.15250E+01	0.84343E+00	
	0.18300E+01	0.79713E+00	
	0.21350E+01	0.74618E+00	
	0.24400E+01	0.69076E+00	
	0.27450E+01	0.63093E+00	
	0.30500E+01	0.56661E+00	
	0.37350E+01	0.43543E+00	

0.44200E+01 0.32060E+00
 0.51050E+01 0.22688E+00
 0.57900E+01 0.15398E+00
 0.64750E+01 0.10042E+00
 0.71600E+01 0.62766E-01
 0.78450E+01 0.37512E-01
 0.85300E+01 0.21383E-01
 0.92150E+01 0.11599E-01
 0.99000E+01 0.59760E-02
 0.10585E+02 0.29207E-02
 0.11270E+02 0.13531E-02
 0.11955E+02 0.59438E-03
 0.12640E+02 0.24793E-03
 0.13325E+02 0.98628E-04
 0.14010E+02 0.37816E-04
 0.14695E+02 0.14335E-04
 0.15380E+02 0.56869E-05
 0.16065E+02 0.26175E-05
 0.16750E+02 0.15525E-05
 0.17435E+02 0.11867E-05
 0.18120E+02 0.10620E-05
 0.18805E+02 0.10201E-05
 0.19490E+02 0.10063E-05
 0.20175E+02 0.10019E-05
 0.20860E+02 0.10005E-05
 0.21545E+02 0.10001E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.37022E+00
 0.51050E+01 0.27024E+00
 0.57900E+01 0.18973E+00
 0.64750E+01 0.12815E+00
 0.71600E+01 0.83006E-01
 0.78450E+01 0.51873E-01
 0.85300E+01 0.30995E-01
 0.92150E+01 0.17718E-01
 0.99000E+01 0.96718E-02
 0.10585E+02 0.50341E-02
 0.11270E+02 0.24955E-02
 0.11955E+02 0.11776E-02
 0.12640E+02 0.52900E-03
 0.13325E+02 0.22656E-03
 0.14010E+02 0.92873E-04
 0.14695E+02 0.36796E-04
 0.15380E+02 0.14417E-04
 0.16065E+02 0.58798E-05
 0.16750E+02 0.27390E-05
 0.17435E+02 0.16116E-05
 0.18120E+02 0.12125E-05
 0.18805E+02 0.10725E-05
 0.19490E+02 0.10242E-05
 0.20175E+02 0.10078E-05
 0.20860E+02 0.10025E-05
 0.21545E+02 0.10007E-05
 0.22230E+02 0.10002E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.16867E+01
	0.30500E+00	0.98258E+00	
	0.61000E+00	0.96083E+00	
	0.91500E+00	0.93452E+00	
	0.12200E+01	0.90349E+00	
	0.15250E+01	0.86766E+00	
	0.18300E+01	0.82701E+00	
	0.21350E+01	0.78152E+00	
	0.24400E+01	0.73117E+00	
	0.27450E+01	0.67588E+00	
	0.30500E+01	0.61544E+00	
	0.37350E+01	0.48740E+00	

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.18287E+01
	0.30500E+00	0.98574E+00	
	0.61000E+00	0.96778E+00	
	0.91500E+00	0.94583E+00	
	0.12200E+01	0.91964E+00	
	0.15250E+01	0.88900E+00	
	0.18300E+01	0.85374E+00	
	0.21350E+01	0.81369E+00	
	0.24400E+01	0.76866E+00	
	0.27450E+01	0.71842E+00	
	0.30500E+01	0.66266E+00	
	0.37350E+01	0.54029E+00	

0.44200E+01 0.42334E+00
 0.51050E+01 0.31917E+00
 0.57900E+01 0.23172E+00
 0.64750E+01 0.16208E+00
 0.71600E+01 0.10922E+00
 0.78450E+01 0.70876E-01
 0.85300E+01 0.44247E-01
 0.92150E+01 0.26540E-01
 0.99000E+01 0.15273E-01
 0.10585E+02 0.84213E-02
 0.11270E+02 0.44432E-02
 0.11955E+02 0.22412E-02
 0.12640E+02 0.10802E-02
 0.13325E+02 0.49752E-03
 0.14010E+02 0.21924E-03
 0.14695E+02 0.92758E-04
 0.15380E+02 0.37998E-04
 0.16065E+02 0.15372E-04
 0.16750E+02 0.64160E-05
 0.17435E+02 0.29962E-05
 0.18120E+02 0.17244E-05
 0.18805E+02 0.12592E-05
 0.19490E+02 0.10912E-05
 0.20175E+02 0.10314E-05
 0.20860E+02 0.10105E-05
 0.21545E+02 0.10034E-05
 0.22230E+02 0.10011E-05
 0.22915E+02 0.10003E-05
 0.23600E+02 0.10001E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.47838E+00
 0.51050E+01 0.37231E+00
 0.57900E+01 0.27946E+00
 0.64750E+01 0.20239E+00
 0.71600E+01 0.14145E+00
 0.78450E+01 0.95404E-01
 0.85300E+01 0.62074E-01
 0.92150E+01 0.38934E-01
 0.99000E+01 0.23519E-01
 0.10585E+02 0.13668E-01
 0.11270E+02 0.76341E-02
 0.11955E+02 0.40935E-02
 0.12640E+02 0.21057E-02
 0.13325E+02 0.10386E-02
 0.14010E+02 0.49126E-03
 0.14695E+02 0.22303E-03
 0.15380E+02 0.97472E-04
 0.16065E+02 0.41294E-04
 0.16750E+02 0.17236E-04
 0.17435E+02 0.73461E-05
 0.18120E+02 0.34225E-05
 0.18805E+02 0.19085E-05
 0.19490E+02 0.13356E-05
 0.20175E+02 0.11219E-05
 0.20860E+02 0.10434E-05
 0.21545E+02 0.10150E-05
 0.22230E+02 0.10051E-05
 0.22915E+02 0.10017E-05
 0.23600E+02 0.10005E-05
 0.24285E+02 0.10002E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.1000E+01	0.19834E+01
	0.3050E+00	0.98836E+00	
	0.6100E+00	0.97361E+00	
	0.9150E+00	0.95541E+00	
	0.1220E+01	0.93348E+00	
	0.1525E+01	0.90751E+00	
	0.1830E+01	0.87725E+00	
	0.2135E+01	0.84241E+00	
	0.2440E+01	0.80269E+00	
	0.2745E+01	0.75775E+00	
	0.3050E+01	0.70717E+00	
	0.3735E+01	0.59254E+00	

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.1000E+01	0.21508E+01
	0.3050E+00	0.99054E+00	
	0.6100E+00	0.97847E+00	
	0.9150E+00	0.96346E+00	
	0.1220E+01	0.94520E+00	
	0.1525E+01	0.92337E+00	
	0.1830E+01	0.89764E+00	
	0.2135E+01	0.86766E+00	
	0.2440E+01	0.83306E+00	
	0.2745E+01	0.79341E+00	
	0.3050E+01	0.74824E+00	
	0.3735E+01	0.64281E+00	

0.44200E+01 0.53371E+00
 0.51050E+01 0.42821E+00
 0.57900E+01 0.33199E+00
 0.64750E+01 0.24875E+00
 0.71600E+01 0.18016E+00
 0.78450E+01 0.12615E+00
 0.85300E+01 0.85387E-01
 0.92150E+01 0.55857E-01
 0.99000E+01 0.35295E-01
 0.10585E+02 0.21528E-01
 0.11270E+02 0.12665E-01
 0.11955E+02 0.71807E-02
 0.12640E+02 0.39205E-02
 0.13325E+02 0.20598E-02
 0.14010E+02 0.10411E-02
 0.14695E+02 0.50614E-03
 0.15380E+02 0.23688E-03
 0.16065E+02 0.10697E-03
 0.16750E+02 0.46869E-04
 0.17435E+02 0.20180E-04
 0.18120E+02 0.85387E-05
 0.18805E+02 0.40792E-05
 0.19490E+02 0.21953E-05
 0.20175E+02 0.14565E-05
 0.20860E+02 0.11714E-05
 0.21545E+02 0.10631E-05
 0.22230E+02 0.10227E-05
 0.22915E+02 0.10080E-05
 0.23600E+02 0.10027E-05
 0.24285E+02 0.10009E-05
 0.24970E+02 0.10003E-05
 0.25655E+02 0.10001E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.58789E+00
 0.51050E+01 0.48527E+00
 0.57900E+01 0.38797E+00
 0.64750E+01 0.30035E+00
 0.71600E+01 0.22516E+00
 0.78450E+01 0.16346E+00
 0.85300E+01 0.11492E+00
 0.92150E+01 0.78241E-01
 0.99000E+01 0.51573E-01
 0.10585E+02 0.32801E-01
 0.11270E+02 0.20304E-01
 0.11955E+02 0.12114E-01
 0.12640E+02 0.69834E-02
 0.13325E+02 0.38871E-02
 0.14010E+02 0.20881E-02
 0.14695E+02 0.10821E-02
 0.15380E+02 0.54098E-03
 0.16065E+02 0.26105E-03
 0.16750E+02 0.12180E-03
 0.17435E+02 0.55180E-04
 0.18120E+02 0.24510E-04
 0.18805E+02 0.10901E-04
 0.19490E+02 0.50652E-05
 0.20175E+02 0.26349E-05
 0.20860E+02 0.16462E-05
 0.21545E+02 0.12512E-05
 0.22230E+02 0.10958E-05
 0.22915E+02 0.10358E-05
 0.23600E+02 0.10130E-05
 0.24285E+02 0.10046E-05
 0.24970E+02 0.10016E-05
 0.25655E+02 0.10005E-05
 0.26340E+02 0.10002E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.1000E+01	0.23310E+01
	0.3050E+00	0.99233E+00	
	0.6100E+00	0.98249E+00	
	0.9150E+00	0.97017E+00	
	0.1220E+01	0.95507E+00	
	0.1525E+01	0.93684E+00	
	0.1830E+01	0.91514E+00	
	0.2135E+01	0.88959E+00	
	0.2440E+01	0.85978E+00	
	0.2745E+01	0.82524E+00	
	0.3050E+01	0.78545E+00	
	0.3735E+01	0.69009E+00	

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY AND RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY

#VAR Existing Expansion Area - EL2RHQMI.IH
 2 H LAY :No. of Layers
 0.018 0.36 0 ARE ANY LAYERS FRACTURED? R544
 0.018 0.41 0 1.91 3.05 10
 0 1.13 27.4 40
 2 MT - Top Boundary Code
 4 HB - Base Boundary Code
 H Is there Decay
 H Do you have an initial concentration profile?
 Y Is there a variation in velocity within groups?
 7 Number of groups of variable data
 Time at which analysis starts
 0 5 5 1 T(end), No. Time Steps, CO
 0 0 0.00756 0 0 DCO, DVa, DVb, DQc
 0 0 0.9 Va, alpha
 15 2 2 1 T(end), No. Time Steps, CO
 0 0 0 Va, alpha 0 DCO, DVa, DVb, DQc
 0.0378 16 1 1 T(end), No. Time Steps, CO
 0 0 0 Va, alpha 0 DCO, DVa, DVb, DQc
 0.0378 19 3 1 T(end), No. Time Steps, CO
 0 0 -0.0126 0 0 DCO, DVa, DVb, DQc
 0.0378 20 1 1 T(end), No. Time Steps, CO
 0 0 0 Va, alpha 0 DCO, DVa, DVb, DQc
 0 75 11 1 T(end), No. Time Steps, CO
 0 0 0 Va, alpha 0 DCO, DVa, DVb, DQc
 0 145 14 1 T(end), No. Time Steps, CO
 0 0 0.0027 0 0 DCO, DVa, DVb, DQc
 0 0 0.9 Va, alpha
 Y Accept default TALBOT parameters?
 H Limited number of depths for results

POLLUTE SIMULATION
 ANALYSIS COMPLETED
 TIME - 11:48:46
 EXECUTION TIME 0: 2

POLLUTE V 6 SIMULATION
 RUN DATE - 27- 8-**
 TIME - 11:50:40
 REVISION - 1994/03/01
 VERSION 6.0.2
 * COPYRIGHT(c) R.K. ROME & J.R. BOOKER 1983-1995 *
 * LICENSED USER: Andrews Environmental Eng. Inc *

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

#VAR Existing Expansion Area - EL2RHQMI.IH

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.1300	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7500E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

8 0.1500E+02 0.1600E+02 0.3780E-01 0.9000E+00
 9 0.1600E+02 0.1700E+02 0.3780E-01 0.9000E+00
 10 0.1700E+02 0.1800E+02 0.2520E-01 0.9000E+00
 11 0.1800E+02 0.1900E+02 0.1260E-01 0.9000E+00
 12 0.1900E+02 0.2000E+02 0.0000E+00 0.9000E+00
 13 0.2000E+02 0.2500E+02 0.0000E+00 0.9000E+00
 14 0.2500E+02 0.3000E+02 0.0000E+00 0.9000E+00
 15 0.3000E+02 0.3500E+02 0.0000E+00 0.9000E+00
 16 0.3500E+02 0.4000E+02 0.0000E+00 0.9000E+00
 17 0.4000E+02 0.4500E+02 0.0000E+00 0.9000E+00
 18 0.4500E+02 0.5000E+02 0.0000E+00 0.9000E+00
 19 0.5000E+02 0.5500E+02 0.0000E+00 0.9000E+00
 20 0.5500E+02 0.6000E+02 0.0000E+00 0.9000E+00
 21 0.6000E+02 0.6500E+02 0.0000E+00 0.9000E+00
 22 0.6500E+02 0.7000E+02 0.0000E+00 0.9000E+00
 23 0.7000E+02 0.7500E+02 0.0000E+00 0.9000E+00
 24 0.7500E+02 0.8000E+02 0.0000E+00 0.9000E+00
 25 0.8000E+02 0.8500E+02 0.2700E-02 0.9000E+00
 26 0.8500E+02 0.9000E+02 0.5400E-02 0.9000E+00
 27 0.9000E+02 0.9500E+02 0.8100E-02 0.9000E+00
 28 0.9500E+02 0.1000E+03 0.1080E-01 0.9000E+00
 29 0.1000E+03 0.1050E+03 0.1350E-01 0.9000E+00
 30 0.1050E+03 0.1100E+03 0.1620E-01 0.9000E+00
 31 0.1100E+03 0.1150E+03 0.1890E-01 0.9000E+00
 32 0.1150E+03 0.1200E+03 0.2160E-01 0.9000E+00
 33 0.1200E+03 0.1250E+03 0.2430E-01 0.9000E+00
 34 0.1250E+03 0.1300E+03 0.2700E-01 0.9000E+00
 35 0.1300E+03 0.1350E+03 0.2970E-01 0.9000E+00
 36 0.1350E+03 0.1400E+03 0.3240E-01 0.9000E+00
 37 0.1400E+03 0.1450E+03 0.3510E-01 0.9000E+00

0.44200E+01 0.10473E-35
 0.51050E+01 0.12729E-41
 0.57900E+01 0.42328E-48
 0.64750E+01 0.00000E+00
 0.71600E+01 0.00000E+00
 0.78450E+01 0.00000E+00
 0.85300E+01 0.00000E+00
 0.92150E+01 0.00000E+00
 0.99000E+01 0.00000E+00
 0.10585E+02 0.00000E+00
 0.11270E+02 0.00000E+00
 0.11955E+02 0.00000E+00
 0.12640E+02 0.00000E+00
 0.13325E+02 0.00000E+00
 0.14010E+02 0.00000E+00
 0.14695E+02 0.00000E+00
 0.15380E+02 0.00000E+00
 0.16065E+02 0.00000E+00
 0.16750E+02 0.00000E+00
 0.17435E+02 0.00000E+00
 0.18120E+02 0.00000E+00
 0.18805E+02 0.00000E+00
 0.19490E+02 0.00000E+00
 0.20175E+02 0.00000E+00
 0.20860E+02 0.00000E+00
 0.21545E+02 0.00000E+00
 0.22230E+02 0.00000E+00
 0.22915E+02 0.00000E+00
 0.23600E+02 0.00000E+00
 0.24285E+02 0.00000E+00
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12820E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53835E-24	
	0.37350E+01	0.76564E-31	

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59875E-02	
	0.12200E+01	0.24860E-05	
	0.15250E+01	0.46874E-03	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25170E-14	
	0.30500E+01	0.16902E-15	
	0.37350E+01	0.13139E-18	

0.44200E+01 0.18488E-19
 0.51050E+01 0.76184E-13
 0.57900E+01 0.40654E-08
 0.64750E+01 0.48269E-06
 0.71600E+01 0.99476E-06
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12073E-12
 0.51050E+01 0.19516E-09
 0.57900E+01 0.25549E-07
 0.64750E+01 0.36471E-06
 0.71600E+01 0.86623E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
	0.30500E+00	0.55442E+00	
	0.61000E+00	0.22053E+00	
	0.91500E+00	0.61633E-01	
	0.12200E+01	0.11926E-01	
	0.15250E+01	0.15779E-02	
	0.18300E+01	0.14151E-03	
	0.21350E+01	0.85531E-05	
	0.24400E+01	0.34683E-06	
	0.27450E+01	0.93991E-08	
	0.30500E+01	0.16237E-09	
	0.37350E+01	0.35637E-14	

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.00000E+00	0.10000E+01	0.21292E+00
	0.30500E+00	0.67567E+00	
	0.61000E+00	0.37700E+00	
	0.91500E+00	0.17147E+00	
	0.12200E+01	0.62969E-01	
	0.15250E+01	0.18524E-01	
	0.18300E+01	0.43396E-02	
	0.21350E+01	0.80628E-03	
	0.24400E+01	0.11845E-03	
	0.27450E+01	0.13722E-04	
	0.30500E+01	0.12011E-05	
	0.37350E+01	0.15958E-08	

0.44200E+01 0.26426E-10
 0.51050E+01 0.22132E-08
 0.57900E+01 0.48772E-07
 0.64750E+01 0.31480E-06
 0.71600E+01 0.73856E-06
 0.78450E+01 0.95790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.72453E-08
 0.51050E+01 0.69922E-08
 0.57900E+01 0.66025E-07
 0.64750E+01 0.28521E-06
 0.71600E+01 0.63576E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99816E-06
 0.99000E+01 0.99996E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.27249E+00
	0.30500E+00	0.75689E+00	
	0.61000E+00	0.50676E+00	
	0.91500E+00	0.29752E+00	
	0.12200E+01	0.15215E+00	
	0.15250E+01	0.67395E-01	
	0.18300E+01	0.25747E-01	
	0.21350E+01	0.84554E-02	
	0.24400E+01	0.23811E-02	
	0.27450E+01	0.57332E-03	
	0.30500E+01	0.11361E-03	
	0.37350E+01	0.13997E-05	

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.30500E+00	0.90783E+00	
	0.61000E+00	0.79697E+00	
	0.91500E+00	0.67430E+00	
	0.12200E+01	0.54829E+00	
	0.15250E+01	0.42743E+00	
	0.18300E+01	0.31881E+00	
	0.21350E+01	0.22399E+00	
	0.24400E+01	0.15411E+00	
	0.27450E+01	0.99143E-01	
	0.30500E+01	0.59536E-01	
	0.37350E+01	0.15207E-01	

0.44200E+01 0.29135E-02
 0.51050E+01 0.41666E-03
 0.57900E+01 0.44393E-04
 0.64750E+01 0.37198E-05
 0.71600E+01 0.62479E-06
 0.78450E+01 0.64267E-06
 0.85300E+01 0.81097E-06
 0.92150E+01 0.92165E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.39919E-01
 0.51050E+01 0.13393E-01
 0.57900E+01 0.37788E-02
 0.64750E+01 0.89563E-03
 0.71600E+01 0.17838E-03
 0.78450E+01 0.30191E-04
 0.85300E+01 0.48210E-05
 0.92150E+01 0.12875E-05
 0.99000E+01 0.94105E-06
 0.10585E+02 0.95442E-06
 0.11270E+02 0.98062E-06
 0.11955E+02 0.99335E-06
 0.12640E+02 0.99807E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.77844E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88142E+00	
	0.91500E+00	0.80474E+00	
	0.12200E+01	0.71951E+00	
	0.15250E+01	0.62900E+00	
	0.18300E+01	0.53682E+00	
	0.21350E+01	0.44652E+00	
	0.24400E+01	0.36118E+00	
	0.27450E+01	0.28305E+00	
	0.30500E+01	0.21334E+00	
	0.37350E+01	0.10029E+00	

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.10000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.89076E+00	
	0.91500E+00	0.81998E+00	
	0.12200E+01	0.74088E+00	
	0.15250E+01	0.65578E+00	
	0.18300E+01	0.55797E+00	
	0.21350E+01	0.48046E+00	
	0.24400E+01	0.39606E+00	
	0.27450E+01	0.31697E+00	
	0.30500E+01	0.24456E+00	
	0.37350E+01	0.12233E+00	

0.44200E+01 0.52747E-01
 0.51050E+01 0.19473E-01
 0.57900E+01 0.61202E-02
 0.64750E+01 0.16412E-02
 0.71600E+01 0.37398E-03
 0.78450E+01 0.72914E-04
 0.85300E+01 0.12732E-04
 0.92150E+01 0.25040E-05
 0.99000E+01 0.11213E-05
 0.10585E+02 0.96540E-06
 0.11270E+02 0.97479E-06
 0.11955E+02 0.98960E-06
 0.12640E+02 0.99653E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.67070E-01
 0.51050E+01 0.26854E-01
 0.57900E+01 0.92833E-02
 0.64750E+01 0.27632E-02
 0.71600E+01 0.70755E-03
 0.78450E+01 0.15622E-03
 0.85300E+01 0.30425E-04
 0.92150E+01 0.58713E-05
 0.99000E+01 0.16896E-05
 0.10585E+02 0.10498E-05
 0.11270E+02 0.97950E-06
 0.11955E+02 0.98620E-06
 0.12640E+02 0.99446E-06
 0.13325E+02 0.99819E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99987E-06
 0.15380E+02 0.99977E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.10000E+01	0.86564E+00
	0.30500E+00	0.95499E+00	
	0.61000E+00	0.89919E+00	
	0.91500E+00	0.83359E+00	
	0.12200E+01	0.75976E+00	
	0.15250E+01	0.67978E+00	
	0.18300E+01	0.59617E+00	
	0.21350E+01	0.51163E+00	
	0.24400E+01	0.42866E+00	
	0.27450E+01	0.34935E+00	
	0.30500E+01	0.27521E+00	
	0.37350E+01	0.14542E+00	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.10000E+01	0.89466E+00
	0.30500E+00	0.95662E+00	
	0.61000E+00	0.90339E+00	
	0.91500E+00	0.84096E+00	
	0.12200E+01	0.77051E+00	
	0.15250E+01	0.69381E+00	
	0.18300E+01	0.61308E+00	
	0.21350E+01	0.53071E+00	
	0.24400E+01	0.44901E+00	
	0.27450E+01	0.36989E+00	
	0.30500E+01	0.29478E+00	
	0.37350E+01	0.16124E+00	

0.44200E+01 0.77578E-01
 0.51050E+01 0.32663E-01
 0.57900E+01 0.11976E-01
 0.64750E+01 0.38108E-02
 0.71600E+01 0.10510E-02
 0.78450E+01 0.25159E-03
 0.85300E+01 0.53016E-04
 0.92150E+01 0.10568E-04
 0.99000E+01 0.26069E-05
 0.10585E+02 0.12241E-05
 0.11270E+02 0.10055E-05
 0.11955E+02 0.98679E-06
 0.12640E+02 0.99290E-06
 0.13325E+02 0.99736E-06
 0.14010E+02 0.99918E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.83318E-01
 0.51050E+01 0.36049E-01
 0.57900E+01 0.13647E-01
 0.64750E+01 0.45053E-02
 0.71600E+01 0.12948E-02
 0.78450E+01 0.32432E-03
 0.85300E+01 0.71648E-04
 0.92150E+01 0.14792E-04
 0.99000E+01 0.35211E-05
 0.10585E+02 0.14276E-05
 0.11270E+02 0.10463E-05
 0.11955E+02 0.99189E-06
 0.12640E+02 0.99243E-06
 0.13325E+02 0.99674E-06
 0.14010E+02 0.99890E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.90960E+00
	0.30500E+00	0.95639E+00	
	0.61000E+00	0.90409E+00	
	0.91500E+00	0.84317E+00	
	0.12200E+01	0.77445E+00	
	0.15250E+01	0.69951E+00	
	0.18300E+01	0.62039E+00	
	0.21350E+01	0.53933E+00	
	0.24400E+01	0.45847E+00	
	0.27450E+01	0.37959E+00	
	0.30500E+01	0.30370E+00	
	0.37350E+01	0.16926E+00	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.91055E+00
	0.30500E+00	0.95392E+00	
	0.61000E+00	0.90141E+00	
	0.91500E+00	0.84060E+00	
	0.12200E+01	0.77217E+00	
	0.15250E+01	0.69764E+00	
	0.18300E+01	0.61899E+00	
	0.21350E+01	0.53836E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.37897E+00	
	0.30500E+01	0.30175E+00	
	0.37350E+01	0.16962E+00	

0.44200E+01 0.04022E-01
 0.51050E+01 0.36639E-01
 0.57900E+01 0.14004E-01
 0.64750E+01 0.46758E-02
 0.71600E+01 0.13616E-02
 0.78450E+01 0.36625E-03
 0.85300E+01 0.77871E-04
 0.92150E+01 0.16417E-04
 0.99000E+01 0.39520E-05
 0.10585E+02 0.15492E-05
 0.11270E+02 0.10781E-05
 0.11955E+02 0.99785E-06
 0.12640E+02 0.99284E-06
 0.13325E+02 0.99650E-06
 0.14010E+02 0.99875E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99900E-06
 0.16065E+02 0.99980E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.90376E-01
 0.51050E+01 0.40943E-01
 0.57900E+01 0.16382E-01
 0.64750E+01 0.57720E-02
 0.71600E+01 0.17875E-02
 0.78450E+01 0.48683E-03
 0.85300E+01 0.11762E-03
 0.92150E+01 0.26180E-04
 0.99000E+01 0.61194E-05
 0.10585E+02 0.20253E-05
 0.11270E+02 0.11885E-05
 0.11955E+02 0.10213E-05
 0.12640E+02 0.99602E-06
 0.13325E+02 0.99626E-06
 0.14010E+02 0.99838E-06
 0.14695E+02 0.99945E-06
 0.15380E+02 0.99984E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91571E+00
	0.30500E+00	0.94856E+00	
	0.61000E+00	0.89354E+00	
	0.91500E+00	0.83266E+00	
	0.12200E+01	0.76543E+00	
	0.15250E+01	0.69258E+00	
	0.18300E+01	0.61599E+00	
	0.21350E+01	0.53718E+00	
	0.24400E+01	0.45791E+00	
	0.27450E+01	0.37965E+00	
	0.30500E+01	0.30416E+00	
	0.37350E+01	0.17660E+00	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.92134E+00
	0.30500E+00	0.94515E+00	
	0.61000E+00	0.88781E+00	
	0.91500E+00	0.82615E+00	
	0.12200E+01	0.75943E+00	
	0.15250E+01	0.68798E+00	
	0.18300E+01	0.61289E+00	
	0.21350E+01	0.53565E+00	
	0.24400E+01	0.45782E+00	
	0.27450E+01	0.38106E+00	
	0.30500E+01	0.30727E+00	
	0.37350E+01	0.18264E+00	

0.44200E+01 0.96419E-01
 0.51050E+01 0.45247E-01
 0.57900E+01 0.18867E-01
 0.64750E+01 0.69758E-02
 0.71600E+01 0.22830E-02
 0.78450E+01 0.66140E-03
 0.85300E+01 0.17061E-03
 0.92150E+01 0.40197E-04
 0.99000E+01 0.94464E-05
 0.10585E+02 0.27854E-05
 0.11270E+02 0.13687E-05
 0.11955E+02 0.10636E-05
 0.12640E+02 0.10043E-05
 0.13325E+02 0.99708E-06
 0.14010E+02 0.99814E-06
 0.14695E+02 0.99926E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10212E+00
 0.51050E+01 0.49512E-01
 0.57900E+01 0.21438E-01
 0.64750E+01 0.82798E-02
 0.71600E+01 0.28483E-02
 0.78450E+01 0.87256E-03
 0.85300E+01 0.23898E-03
 0.92150E+01 0.59558E-04
 0.99000E+01 0.14346E-04
 0.10585E+02 0.39546E-05
 0.11270E+02 0.16527E-05
 0.11955E+02 0.11342E-05
 0.12640E+02 0.10203E-05
 0.13325E+02 0.99985E-06
 0.14010E+02 0.99827E-06
 0.14695E+02 0.99811E-06
 0.15380E+02 0.99967E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.92731E+00
	0.30500E+00	0.94263E+00	
	0.61000E+00	0.89341E+00	
	0.91500E+00	0.82087E+00	
	0.12200E+01	0.75426E+00	
	0.15250E+01	0.68368E+00	
	0.18300E+01	0.60989E+00	
	0.21350E+01	0.53412E+00	
	0.24400E+01	0.45784E+00	
	0.27450E+01	0.38268E+00	
	0.30500E+01	0.31048E+00	
	0.37350E+01	0.18820E+00	

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93351E+00
	0.30500E+00	0.94067E+00	
	0.61000E+00	0.87990E+00	
	0.91500E+00	0.81652E+00	
	0.12200E+01	0.74985E+00	
	0.15250E+01	0.67987E+00	
	0.18300E+01	0.60716E+00	
	0.21350E+01	0.53274E+00	
	0.24400E+01	0.45796E+00	
	0.27450E+01	0.38434E+00	
	0.30500E+01	0.31364E+00	
	0.37350E+01	0.19341E+00	

0.44200E+01 0.10751E+00
 0.51050E+01 0.53707E-01
 0.57900E+01 0.24075E-01
 0.64750E+01 0.96753E-02
 0.71600E+01 0.34826E-02
 0.78450E+01 0.11224E-02
 0.85300E+01 0.32475E-03
 0.92150E+01 0.05416E-04
 0.99000E+01 0.21303E-04
 0.10585E+02 0.56939E-05
 0.11270E+02 0.20861E-05
 0.11955E+02 0.12458E-05
 0.12640E+02 0.10482E-05
 0.13325E+02 0.10058E-05
 0.14010E+02 0.99913E-06
 0.14695E+02 0.99907E-06
 0.15380E+02 0.99958E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11266E+00
 0.51050E+01 0.57819E-01
 0.57900E+01 0.26757E-01
 0.64750E+01 0.11153E-01
 0.71600E+01 0.41841E-02
 0.78450E+01 0.14123E-02
 0.85300E+01 0.42977E-03
 0.92150E+01 0.11896E-03
 0.99000E+01 0.30864E-04
 0.10585E+02 0.82022E-05
 0.11270E+02 0.27291E-05
 0.11955E+02 0.14157E-05
 0.12640E+02 0.10932E-05
 0.13325E+02 0.10168E-05
 0.14010E+02 0.10013E-05
 0.14695E+02 0.99930E-06
 0.15380E+02 0.99953E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.93991E+00
	0.10500E+00	0.93908E+00	
	0.61000E+00	0.87704E+00	
	0.91500E+00	0.81291E+00	
	0.12200E+01	0.74610E+00	
	0.15250E+01	0.67657E+00	
	0.18300E+01	0.60476E+00	
	0.21350E+01	0.53156E+00	
	0.24400E+01	0.45818E+00	
	0.27450E+01	0.38600E+00	
	0.30500E+01	0.31669E+00	
	0.37350E+01	0.19833E+00	

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94647E+00
	0.10500E+00	0.93782E+00	
	0.61000E+00	0.87466E+00	
	0.91500E+00	0.80988E+00	
	0.12200E+01	0.74293E+00	
	0.15250E+01	0.67374E+00	
	0.18300E+01	0.60271E+00	
	0.21350E+01	0.53060E+00	
	0.24400E+01	0.45849E+00	
	0.27450E+01	0.38766E+00	
	0.30500E+01	0.31962E+00	
	0.37350E+01	0.20300E+00	

0.44200E+01 0.11757E+00
 0.51050E+01 0.61844E-01
 0.57900E+01 0.29468E-01
 0.64750E+01 0.12703E-01
 0.71600E+01 0.49503E-02
 0.78450E+01 0.17434E-02
 0.85300E+01 0.55571E-03
 0.92150E+01 0.16136E-03
 0.99000E+01 0.43628E-04
 0.10585E+02 0.11717E-04
 0.11270E+02 0.36589E-05
 0.11955E+02 0.16666E-05
 0.12640E+02 0.11624E-05
 0.13325E+02 0.10350E-05
 0.14010E+02 0.10055E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.99957E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12228E+00
 0.51050E+01 0.65779E-01
 0.57900E+01 0.32196E-01
 0.64750E+01 0.14316E-01
 0.71600E+01 0.57779E-02
 0.78450E+01 0.21161E-02
 0.85300E+01 0.70401E-03
 0.92150E+01 0.21380E-03
 0.99000E+01 0.60237E-04
 0.10585E+02 0.16512E-04
 0.11270E+02 0.49718E-05
 0.11955E+02 0.20279E-05
 0.12640E+02 0.12649E-05
 0.13325E+02 0.10636E-05
 0.14010E+02 0.10128E-05
 0.14695E+02 0.10016E-05
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.95316E+00
	0.10500E+00	0.93669E+00	
	0.61000E+00	0.87268E+00	
	0.91500E+00	0.80734E+00	
	0.12200E+01	0.74025E+00	
	0.15250E+01	0.67136E+00	
	0.18300E+01	0.60100E+00	
	0.21350E+01	0.52986E+00	
	0.24400E+01	0.45891E+00	
	0.27450E+01	0.38931E+00	
	0.30500E+01	0.32248E+00	
	0.37350E+01	0.20744E+00	

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.95996E+00
	0.10500E+00	0.93578E+00	
	0.61000E+00	0.87102E+00	
	0.91500E+00	0.80520E+00	
	0.12200E+01	0.73799E+00	
	0.15250E+01	0.66936E+00	
	0.18300E+01	0.59960E+00	
	0.21350E+01	0.52934E+00	
	0.24400E+01	0.45944E+00	
	0.27450E+01	0.39096E+00	
	0.30500E+01	0.32517E+00	
	0.37350E+01	0.21167E+00	

0.44200E+01 0.12681E+00
 0.51050E+01 0.69627E-01
 0.57900E+01 0.34931E-01
 0.64750E+01 0.15983E-01
 0.71600E+01 0.66635E-02
 0.78450E+01 0.25304E-02
 0.85300E+01 0.87586E-03
 0.92150E+01 0.27178E-03
 0.99000E+01 0.81355E-04
 0.10585E+02 0.22897E-04
 0.11270E+02 0.67843E-05
 0.11955E+02 0.25373E-05
 0.12640E+02 0.14125E-05
 0.13325E+02 0.11066E-05
 0.14010E+02 0.10246E-05
 0.14695E+02 0.10045E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.99989E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13116E+00
 0.51050E+01 0.73387E-01
 0.57900E+01 0.37664E-01
 0.64750E+01 0.17696E-01
 0.71600E+01 0.76031E-02
 0.78450E+01 0.29857E-02
 0.85300E+01 0.10722E-02
 0.92150E+01 0.35315E-03
 0.99000E+01 0.10766E-03
 0.10585E+02 0.31210E-04
 0.11270E+02 0.92338E-05
 0.11955E+02 0.32419E-05
 0.12640E+02 0.16199E-05
 0.13325E+02 0.11689E-05
 0.14010E+02 0.10428E-05
 0.14695E+02 0.10094E-05
 0.15380E+02 0.10015E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99999E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.96685E+00
0.30500E+00	0.93502E+00		
0.61000E+00	0.86962E+00		
0.91500E+00	0.80341E+00		
0.12200E+01	0.73611E+00		
0.15250E+01	0.66718E+00		
0.18100E+01	0.59850E+00		
0.21350E+01	0.52902E+00		
0.24400E+01	0.46007E+00		
0.27450E+01	0.39261E+00		
0.30500E+01	0.32782E+00		
0.37350E+01	0.21571E+00		

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.97382E+00
0.30500E+00	0.93438E+00		
0.61000E+00	0.86845E+00		
0.91500E+00	0.80192E+00		
0.12200E+01	0.73456E+00		
0.15250E+01	0.66638E+00		
0.18300E+01	0.59765E+00		
0.21350E+01	0.52889E+00		
0.24400E+01	0.46080E+00		
0.27450E+01	0.39428E+00		
0.30500E+01	0.33040E+00		
0.37350E+01	0.21960E+00		

0.44200E+01 0.13536E+00
 0.51050E+01 0.77062E-01
 0.57900E+01 0.40390E-01
 0.64750E+01 0.19449E-01
 0.71600E+01 0.85927E-02
 0.78450E+01 0.34813E-02
 0.85300E+01 0.12938E-02
 0.92150E+01 0.44203E-03
 0.99000E+01 0.13984E-03
 0.10585E+02 0.41816E-04
 0.11270E+02 0.12478E-04
 0.11955E+02 0.41992E-05
 0.12640E+02 0.19061E-05
 0.13325E+02 0.12569E-05
 0.14010E+02 0.10695E-05
 0.14695E+02 0.10170E-05
 0.15380E+02 0.10035E-05
 0.16065E+02 0.10005E-05
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13941E+00
 0.51050E+01 0.80654E-01
 0.57900E+01 0.43104E-01
 0.64750E+01 0.21234E-01
 0.71600E+01 0.96286E-02
 0.78450E+01 0.40161E-02
 0.85300E+01 0.15410E-02
 0.92150E+01 0.54491E-03
 0.99000E+01 0.17857E-03
 0.10585E+02 0.55099E-04
 0.11270E+02 0.16694E-04
 0.11955E+02 0.54779E-05
 0.12640E+02 0.22945E-05
 0.13325E+02 0.13783E-05
 0.14010E+02 0.11077E-05
 0.14695E+02 0.10285E-05
 0.15380E+02 0.10066E-05
 0.16065E+02 0.10012E-05
 0.16750E+02 0.10001E-05
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.98085E+00
0.30500E+00	0.93384E+00		
0.61000E+00	0.86748E+00		
0.91500E+00	0.80608E+00		
0.12200E+01	0.73328E+00		
0.15250E+01	0.66532E+00		
0.18300E+01	0.59704E+00		
0.21350E+01	0.52893E+00		
0.24400E+01	0.46163E+00		
0.27450E+01	0.39596E+00		
0.30500E+01	0.33292E+00		
0.37350E+01	0.22333E+00		

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.98793E+00
0.30500E+00	0.93340E+00		
0.61000E+00	0.86667E+00		
0.91500E+00	0.79966E+00		
0.12200E+01	0.73225E+00		
0.15250E+01	0.66450E+00		
0.18300E+01	0.59664E+00		
0.21350E+01	0.52912E+00		
0.24400E+01	0.46255E+00		
0.27450E+01	0.39766E+00		
0.30500E+01	0.33539E+00		
0.37350E+01	0.22693E+00		

0.44200E+01 0.14333E+00
 0.51050E+01 0.84165E-01
 0.57900E+01 0.45802E-01
 0.64750E+01 0.23047E-01
 0.71600E+01 0.10707E-01
 0.78450E+01 0.45887E-02
 0.85300E+01 0.18142E-02
 0.92150E+01 0.66252E-03
 0.99000E+01 0.22448E-03
 0.10585E+02 0.71455E-04
 0.11270E+02 0.22078E-04
 0.11955E+02 0.71582E-05
 0.12640E+02 0.28136E-05
 0.13325E+02 0.15430E-05
 0.14010E+02 0.11607E-05
 0.14695E+02 0.10451E-05
 0.15380E+02 0.10115E-05
 0.16065E+02 0.10025E-05
 0.16750E+02 0.10004E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.99997E-06
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.15209E+00
 0.51050E+01 0.91266E-01
 0.57900E+01 0.50961E-01
 0.64750E+01 0.26414E-01
 0.71600E+01 0.12689E-01
 0.78450E+01 0.56438E-02
 0.85300E+01 0.23236E-02
 0.92150E+01 0.86619E-03
 0.99000E+01 0.31404E-03
 0.10585E+02 0.10429E-03
 0.11270E+02 0.33185E-04
 0.11955E+02 0.10685E-04
 0.12640E+02 0.39006E-05
 0.13325E+02 0.18820E-05
 0.14010E+02 0.12695E-05
 0.14695E+02 0.10800E-05
 0.15380E+02 0.10222E-05
 0.16065E+02 0.10056E-05
 0.16750E+02 0.10012E-05
 0.17435E+02 0.10002E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.99998E-06
 0.19490E+02 0.99999E-06
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.1000E+01	0.10105E+01
	0.30500E+00	0.93834E+00	
	0.61000E+00	0.87340E+00	
	0.91500E+00	0.80687E+00	
	0.12200E+01	0.73966E+00	
	0.15250E+01	0.67222E+00	
	0.18300E+01	0.60487E+00	
	0.21350E+01	0.53803E+00	
	0.24400E+01	0.47225E+00	
	0.27450E+01	0.40823E+00	
	0.30500E+01	0.34676E+00	
	0.37350E+01	0.23676E+00	

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.1000E+01	0.10477E+01
	0.30500E+00	0.94496E+00	
	0.61000E+00	0.88449E+00	
	0.91500E+00	0.82058E+00	
	0.12200E+01	0.75482E+00	
	0.15250E+01	0.68826E+00	
	0.18300E+01	0.62162E+00	
	0.21350E+01	0.55550E+00	
	0.24400E+01	0.49043E+00	
	0.27450E+01	0.42701E+00	
	0.30500E+01	0.36579E+00	
	0.37350E+01	0.25322E+00	

0.44200E+01 0.16588E+00
 0.51050E+01 0.10217E+00
 0.57900E+01 0.58870E-01
 0.64750E+01 0.31634E-01
 0.71600E+01 0.15824E-01
 0.78450E+01 0.73602E-02
 0.85300E+01 0.31814E-02
 0.92150E+01 0.12783E-02
 0.99000E+01 0.47828E-03
 0.10585E+02 0.16749E-03
 0.11270E+02 0.55640E-04
 0.11955E+02 0.18128E-04
 0.12640E+02 0.62540E-05
 0.13325E+02 0.26175E-05
 0.14010E+02 0.15039E-05
 0.14695E+02 0.11560E-05
 0.15380E+02 0.10466E-05
 0.16065E+02 0.10130E-05
 0.16750E+02 0.10033E-05
 0.17435E+02 0.10007E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.18514E+00
 0.51050E+01 0.11733E+00
 0.57900E+01 0.69980E-01
 0.64750E+01 0.39142E-01
 0.71600E+01 0.20485E-01
 0.78450E+01 0.10015E-01
 0.85300E+01 0.45705E-02
 0.92150E+01 0.19467E-02
 0.99000E+01 0.77439E-03
 0.10585E+02 0.28850E-03
 0.11270E+02 0.10139E-03
 0.11955E+02 0.34228E-04
 0.12640E+02 0.11595E-04
 0.13325E+02 0.43289E-05
 0.14010E+02 0.20508E-05
 0.14695E+02 0.13337E-05
 0.15380E+02 0.11047E-05
 0.16065E+02 0.10316E-05
 0.16750E+02 0.10090E-05
 0.17435E+02 0.10023E-05
 0.18120E+02 0.10005E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.1000E+01	0.10989E+01
	0.30500E+00	0.95196E+00	
	0.61000E+00	0.89744E+00	
	0.91500E+00	0.83811E+00	
	0.12200E+01	0.77558E+00	
	0.15250E+01	0.71120E+00	
	0.18300E+01	0.64603E+00	
	0.21350E+01	0.58092E+00	
	0.24400E+01	0.51653E+00	
	0.27450E+01	0.45343E+00	
	0.30500E+01	0.39208E+00	
	0.37350E+01	0.27640E+00	

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.1000E+01	0.11638E+01
	0.30500E+00	0.95876E+00	
	0.61000E+00	0.91077E+00	
	0.91500E+00	0.85722E+00	
	0.12200E+01	0.79944E+00	
	0.15250E+01	0.73872E+00	
	0.18300E+01	0.67620E+00	
	0.21350E+01	0.61288E+00	
	0.24400E+01	0.54954E+00	
	0.27450E+01	0.48690E+00	
	0.30500E+01	0.42536E+00	
	0.37350E+01	0.30635E+00	

0.44200E+01 0.21035E+00
 0.51050E+01 0.13733E+00
 0.57900E+01 0.84901E-01
 0.64750E+01 0.49519E-01
 0.71600E+01 0.27173E-01
 0.78450E+01 0.14003E-01
 0.85300E+01 0.67681E-02
 0.92150E+01 0.30666E-02
 0.99000E+01 0.13026E-02
 0.10585E+02 0.51931E-03
 0.11270E+02 0.19501E-03
 0.11955E+02 0.69591E-04
 0.12640E+02 0.24118E-04
 0.13325E+02 0.8544E-05
 0.14010E+02 0.34313E-05
 0.14695E+02 0.17851E-05
 0.15380E+02 0.12538E-05
 0.16065E+02 0.10808E-05
 0.16750E+02 0.10249E-05
 0.17435E+02 0.10072E-05
 0.18120E+02 0.10020E-05
 0.18805E+02 0.10005E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.24191E+00
 0.51050E+01 0.16287E+00
 0.57900E+01 0.10438E+00
 0.64750E+01 0.63480E-01
 0.71600E+01 0.36533E-01
 0.78450E+01 0.19853E-01
 0.85300E+01 0.10172E-01
 0.92150E+01 0.49085E-02
 0.99000E+01 0.22301E-02
 0.10585E+02 0.95418E-03
 0.11270E+02 0.38503E-03
 0.11955E+02 0.14711E-03
 0.12640E+02 0.53746E-04
 0.13325E+02 0.1924E-04
 0.14010E+02 0.71104E-05
 0.14695E+02 0.30214E-05
 0.15380E+02 0.16675E-05
 0.16065E+02 0.12198E-05
 0.16750E+02 0.10713E-05
 0.17435E+02 0.10224E-05
 0.18120E+02 0.10068E-05
 0.18805E+02 0.10019E-05
 0.19490E+02 0.10005E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.12418E+01
	0.30500E+00	0.96500E+00	
	0.61000E+00	0.92360E+00	
	0.91500E+00	0.87636E+00	
	0.12200E+01	0.82428E+00	
	0.15250E+01	0.76840E+00	
	0.18300E+01	0.70976E+00	
	0.21350E+01	0.64932E+00	
	0.24400E+01	0.58792E+00	
	0.27450E+01	0.52629E+00	
	0.30500E+01	0.46493E+00	
	0.37350E+01	0.34301E+00	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.13328E+01
	0.30500E+00	0.97073E+00	
	0.61000E+00	0.9354E+00	
	0.91500E+00	0.89452E+00	
	0.12200E+01	0.84855E+00	
	0.15250E+01	0.79826E+00	
	0.18300E+01	0.74446E+00	
	0.21350E+01	0.68796E+00	
	0.24400E+01	0.62954E+00	
	0.27450E+01	0.56988E+00	
	0.30500E+01	0.50953E+00	
	0.37350E+01	0.38595E+00	

0.44200E+01 0.28003E+00
 0.51050E+01 0.19457E+00
 0.57900E+01 0.12924E+00
 0.64750E+01 0.81871E-01
 0.71600E+01 0.49351E-01
 0.78450E+01 0.28246E-01
 0.85300E+01 0.15323E-01
 0.92150E+01 0.78687E-02
 0.99000E+01 0.38220E-02
 0.10585E+02 0.17553E-02
 0.11270E+02 0.76250E-03
 0.11955E+02 0.31379E-03
 0.12640E+02 0.12283E-03
 0.13325E+02 0.46187E-04
 0.14010E+02 0.17082E-04
 0.14695E+02 0.65565E-05
 0.15380E+02 0.28898E-05
 0.16065E+02 0.16390E-05
 0.16750E+02 0.12148E-05
 0.17435E+02 0.10712E-05
 0.18120E+02 0.10039E-05
 0.18805E+02 0.10072E-05
 0.19490E+02 0.10021E-05
 0.20175E+02 0.10006E-05
 0.20860E+02 0.10002E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.32450E+00
 0.51050E+01 0.23283E+00
 0.57900E+01 0.16022E+00
 0.64750E+01 0.10560E+00
 0.71600E+01 0.66544E-01
 0.78450E+01 0.40017E-01
 0.85300E+01 0.22928E-01
 0.92150E+01 0.12498E-01
 0.99000E+01 0.64751E-02
 0.10585E+02 0.31859E-02
 0.11270E+02 0.14883E-02
 0.11955E+02 0.66035E-03
 0.12640E+02 0.27869E-03
 0.13325E+02 0.11231E-03
 0.14010E+02 0.43612E-04
 0.14695E+02 0.16679E-04
 0.15380E+02 0.65984E-05
 0.16065E+02 0.29621E-05
 0.16750E+02 0.16809E-05
 0.17435E+02 0.12344E-05
 0.18120E+02 0.10795E-05
 0.18805E+02 0.10264E-05
 0.19490E+02 0.10085E-05
 0.20175E+02 0.10026E-05
 0.20860E+02 0.10008E-05
 0.21545E+02 0.10002E-05
 0.22230E+02 0.10001E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.14365E+01
	0.30500E+00	0.97572E+00	
	0.61000E+00	0.94606E+00	
	0.91500E+00	0.91114E+00	
	0.12200E+01	0.87126E+00	
	0.15250E+01	0.82687E+00	
	0.18300E+01	0.77851E+00	
	0.21350E+01	0.72678E+00	
	0.24400E+01	0.67230E+00	
	0.27450E+01	0.61567E+00	
	0.30500E+01	0.55739E+00	
	0.37350E+01	0.43415E+00	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.15528E+01
	0.30500E+00	0.98003E+00	
	0.61000E+00	0.95536E+00	
	0.91500E+00	0.92594E+00	
	0.12200E+01	0.89186E+00	
	0.15250E+01	0.85331E+00	
	0.18300E+01	0.81062E+00	
	0.21350E+01	0.76417E+00	
	0.24400E+01	0.71438E+00	
	0.27450E+01	0.66171E+00	
	0.30500E+01	0.60656E+00	
	0.37350E+01	0.48612E+00	

0.44200E+01 0.37456E+00
 0.51050E+01 0.27762E+00
 0.57900E+01 0.19788E+00
 0.64750E+01 0.13553E+00
 0.71600E+01 0.89095E-01
 0.78450E+01 0.56142E-01
 0.85300E+01 0.33865E-01
 0.92150E+01 0.19528E-01
 0.99000E+01 0.10752E-01
 0.10585E+02 0.56483E-02
 0.11270E+02 0.28288E-02
 0.11955E+02 0.13504E-02
 0.12640E+02 0.61467E-03
 0.13325E+02 0.26710E-03
 0.14010E+02 0.11118E-03
 0.14695E+02 0.44602E-04
 0.15380E+02 0.17666E-04
 0.16065E+02 0.71660E-05
 0.16750E+02 0.32329E-05
 0.17435E+02 0.17978E-05
 0.18120E+02 0.12820E-05
 0.18805E+02 0.10983E-05
 0.19490E+02 0.10336E-05
 0.20175E+02 0.10112E-05
 0.20860E+02 0.10036E-05
 0.21545E+02 0.10011E-05
 0.22230E+02 0.10003E-05
 0.22915E+02 0.10001E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.42891E+00
 0.51050E+01 0.32837E+00
 0.57900E+01 0.24231E+00
 0.64750E+01 0.17228E+00
 0.71600E+01 0.11793E+00
 0.78450E+01 0.77668E-01
 0.85300E+01 0.49139E-01
 0.92150E+01 0.29872E-01
 0.99000E+01 0.17409E-01
 0.10585E+02 0.97215E-02
 0.11270E+02 0.51976E-02
 0.11955E+02 0.26591E-02
 0.12640E+02 0.13015E-02
 0.13325E+02 0.60953E-03
 0.14010E+02 0.27343E-03
 0.14695E+02 0.11782E-03
 0.15380E+02 0.49076E-04
 0.16065E+02 0.20062E-04
 0.16750E+02 0.83247E-05
 0.17435E+02 0.37483E-05
 0.18120E+02 0.20141E-05
 0.18805E+02 0.13693E-05
 0.19490E+02 0.11326E-05
 0.20175E+02 0.10467E-05
 0.20860E+02 0.10161E-05
 0.21545E+02 0.10054E-05
 0.22230E+02 0.10018E-05
 0.22915E+02 0.10005E-05
 0.23600E+02 0.10002E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.16918E+01
	0.3050E+00	0.98369E+00	
	0.6100E+00	0.96336E+00	
	0.9150E+00	0.93885E+00	
	0.1220E+01	0.91008E+00	
	0.1525E+01	0.87709E+00	
	0.1830E+01	0.84001E+00	
	0.2135E+01	0.79902E+00	
	0.2440E+01	0.75438E+00	
	0.2745E+01	0.70635E+00	
	0.3050E+01	0.65522E+00	
	0.3735E+01	0.54003E+00	

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.18234E+01
	0.3050E+00	0.96677E+00	
	0.6100E+00	0.97015E+00	
	0.9150E+00	0.94991E+00	
	0.1220E+01	0.92590E+00	
	0.1525E+01	0.89803E+00	
	0.1830E+01	0.86627E+00	
	0.2135E+01	0.83067E+00	
	0.2440E+01	0.79132E+00	
	0.2745E+01	0.74833E+00	
	0.3050E+01	0.70187E+00	
	0.3735E+01	0.59405E+00	

0.44200E+01 0.48584E+00
 0.51050E+01 0.38391E+00
 0.57900E+01 0.29306E+00
 0.64750E+01 0.21504E+00
 0.71600E+01 0.15375E+00
 0.78450E+01 0.10558E+00
 0.85300E+01 0.69912E-01
 0.92150E+01 0.44605E-01
 0.99000E+01 0.27398E-01
 0.10585E+02 0.16189E-01
 0.11270E+02 0.91955E-02
 0.11955E+02 0.50174E-02
 0.12640E+02 0.26286E-02
 0.13325E+02 0.13219E-02
 0.14010E+02 0.63824E-03
 0.14695E+02 0.29606E-03
 0.15380E+02 0.12122E-03
 0.16065E+02 0.57140E-04
 0.16750E+02 0.24168E-04
 0.17435E+02 0.10264E-04
 0.18120E+02 0.46102E-05
 0.18805E+02 0.23799E-05
 0.19490E+02 0.15194E-05
 0.20175E+02 0.11926E-05
 0.20860E+02 0.10702E-05
 0.21545E+02 0.10250E-05
 0.22230E+02 0.10087E-05
 0.22915E+02 0.10030E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.54353E+00
 0.51050E+01 0.44255E+00
 0.57900E+01 0.34907E+00
 0.64750E+01 0.26646E+00
 0.71600E+01 0.19682E+00
 0.78450E+01 0.14063E+00
 0.85300E+01 0.97158E-01
 0.92150E+01 0.64872E-01
 0.99000E+01 0.41837E-01
 0.10585E+02 0.26044E-01
 0.11270E+02 0.15641E-01
 0.11955E+02 0.90554E-02
 0.12640E+02 0.50519E-02
 0.13325E+02 0.27145E-02
 0.14010E+02 0.14045E-02
 0.14695E+02 0.69981E-03
 0.15380E+02 0.33594E-03
 0.16065E+02 0.15561E-03
 0.16750E+02 0.69810E-04
 0.17435E+02 0.30581E-04
 0.18120E+02 0.13324E-04
 0.18805E+02 0.59978E-05
 0.19490E+02 0.29835E-05
 0.20175E+02 0.17736E-05
 0.20860E+02 0.12970E-05
 0.21545E+02 0.11121E-05
 0.22230E+02 0.10415E-05
 0.22915E+02 0.10150E-05
 0.23600E+02 0.10053E-05
 0.24285E+02 0.10018E-05
 0.24970E+02 0.10006E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19776E+01
	0.3050E+00	0.98934E+00	
	0.6100E+00	0.97585E+00	
	0.9150E+00	0.95928E+00	
	0.1220E+01	0.93943E+00	
	0.1525E+01	0.91614E+00	
	0.1830E+01	0.88929E+00	
	0.2135E+01	0.85981E+00	
	0.2440E+01	0.82466E+00	
	0.2745E+01	0.78684E+00	
	0.3050E+01	0.74538E+00	
	0.3735E+01	0.64653E+00	

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.21445E+01
	0.3050E+00	0.99145E+00	
	0.6100E+00	0.98058E+00	
	0.9150E+00	0.96712E+00	
	0.1220E+01	0.95086E+00	
	0.1525E+01	0.93160E+00	
	0.1830E+01	0.90915E+00	
	0.2135E+01	0.88338E+00	
	0.2440E+01	0.85416E+00	
	0.2745E+01	0.82141E+00	
	0.3050E+01	0.78505E+00	
	0.3735E+01	0.69614E+00	

POLLUTEV6 SIMULATION
 RUN DATE - 27- 8-88
 TIME - 11:52:46
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(C) R.K. ROYE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

IVAR Existing Expansion Area - EL2RHOMX.IN

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION IVAR HAS BEEN USED.
 NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED.

LAYER NO.	NO. SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	PROPERTIES OF THE MATRIX POROSITY	DISTRIBUTION/PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.9900	0.2740E+02

THE TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RWU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12028E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53853E-24	
	0.37350E+01	0.76564E-31	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7550E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.44200E+01	0.10473E-35
0.51050E+01	0.12729E-41
0.57900E+01	0.42328E-48
0.64750E+01	0.00000E+00
0.71600E+01	0.00000E+00
0.78450E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.92150E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.10585E+02	0.00000E+00
0.11270E+02	0.00000E+00
0.11955E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.13325E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.14695E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16065E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.17435E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.18805E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20175E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.21545E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.22915E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24285E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.25655E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27025E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.00000E+00	0.10000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.19410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25170E-14	
	0.30500E+01	0.16902E-15	
	0.37350E+01	0.13139E-18	

0.44200E+01 0.18488E-19
 0.51050E+01 0.76184E-13
 0.57900E+01 0.40654E-08
 0.64750E+01 0.40269E-06
 0.71600E+01 0.99476E-06
 0.78450E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12073E-12
 0.51050E+01 0.19516E-09
 0.57900E+01 0.25549E-07
 0.64750E+01 0.36471E-06
 0.71600E+01 0.86623E-06
 0.78450E+01 0.99650E-06
 0.85300E+01 0.99998E-06
 0.92150E+01 0.10000E-05
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
0.30500E+01	0.0000E+00	0.55442E+00	
0.61000E+01	0.0000E+00	0.22053E+00	
0.91500E+01	0.0000E+00	0.61633E-01	
0.12200E+01	0.11926E-01		
0.15250E+01	0.15779E-02		
0.18300E+01	0.14151E-03		
0.21350E+01	0.85531E-05		
0.24400E+01	0.34683E-06		
0.27450E+01	0.93991E-08		
0.30500E+01	0.16237E-09		
0.37350E+01	0.35637E-14		

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.00000E+00	0.10000E+01	0.21292E+00
0.30500E+01	0.0000E+00	0.67567E+00	
0.61000E+01	0.0000E+00	0.37700E+00	
0.91500E+01	0.0000E+00	0.17147E+00	
0.12200E+01	0.62969E-01		
0.15250E+01	0.18524E-01		
0.18300E+01	0.43396E-02		
0.21350E+01	0.80628E-03		
0.24400E+01	0.11845E-03		
0.27450E+01	0.13722E-04		
0.30500E+01	0.12011E-05		
0.37350E+01	0.15950E-08		

0.44200E+01 0.26426E-10
 0.51050E+01 0.22132E-08
 0.57900E+01 0.40772E-07
 0.64750E+01 0.31480E-06
 0.71600E+01 0.73856E-06
 0.78450E+01 0.93790E-06
 0.85300E+01 0.99781E-06
 0.92150E+01 0.99996E-06
 0.99000E+01 0.10000E-05
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.72453E-08
 0.51050E+01 0.69922E-08
 0.57900E+01 0.66025E-07
 0.64750E+01 0.28521E-06
 0.71600E+01 0.63576E-06
 0.78450E+01 0.89200E-06
 0.85300E+01 0.98271E-06
 0.92150E+01 0.99861E-06
 0.99000E+01 0.99948E-06
 0.10585E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11955E+02 0.10000E-05
 0.12640E+02 0.10000E-05
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.00000E+00	0.10000E+01	0.27249E+00
0.30500E+01	0.0000E+00	0.75689E+00	
0.61000E+01	0.0000E+00	0.50676E+00	
0.91500E+01	0.0000E+00	0.29752E+00	
0.12200E+01	0.15215E+00		
0.15250E+01	0.67396E-01		
0.18300E+01	0.25747E-01		
0.21350E+01	0.84554E-02		
0.24400E+01	0.23811E-02		
0.27450E+01	0.57332E-03		
0.30500E+01	0.11361E-03		
0.37350E+01	0.13997E-05		

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.54840E+00
0.30500E+01	0.0000E+00	0.90783E+00	
0.61000E+01	0.0000E+00	0.79697E+00	
0.91500E+01	0.0000E+00	0.67430E+00	
0.12200E+01	0.54829E+00		
0.15250E+01	0.42743E+00		
0.18300E+01	0.31881E+00		
0.21350E+01	0.22709E+00		
0.24400E+01	0.15411E+00		
0.27450E+01	0.99143E-01		
0.30500E+01	0.59536E-01		
0.37350E+01	0.15207E-01		

0.44200E+01 0.29135E-02
 0.51050E+01 0.41666E-03
 0.57900E+01 0.44393E-04
 0.64750E+01 0.37198E-05
 0.71600E+01 0.62479E-06
 0.78450E+01 0.64267E-06
 0.85300E+01 0.81097E-06
 0.92150E+01 0.92165E-06
 0.99000E+01 0.97439E-06
 0.10585E+02 0.99345E-06
 0.11270E+02 0.99870E-06
 0.11955E+02 0.99980E-06
 0.12640E+02 0.99998E-06
 0.13325E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.39919E-01
 0.51050E+01 0.13393E-01
 0.57900E+01 0.37788E-02
 0.64750E+01 0.89563E-03
 0.71600E+01 0.17838E-03
 0.78450E+01 0.30191E-04
 0.85300E+01 0.48210E-05
 0.92150E+01 0.12875E-05
 0.99000E+01 0.94105E-06
 0.10585E+02 0.95442E-06
 0.11270E+02 0.98062E-06
 0.11955E+02 0.99335E-06
 0.12640E+02 0.99807E-06
 0.13325E+02 0.99952E-06
 0.14010E+02 0.99990E-06
 0.14695E+02 0.99998E-06
 0.15380E+02 0.10000E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.77844E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88142E+00	
	0.91500E+00	0.80474E+00	
	0.12200E+01	0.71951E+00	
	0.15250E+01	0.62900E+00	
	0.18300E+01	0.53682E+00	
	0.21350E+01	0.44652E+00	
	0.24400E+01	0.36118E+00	
	0.27450E+01	0.28305E+00	
	0.30500E+01	0.21334E+00	
	0.37350E+01	0.10029E+00	

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.89076E+00	
	0.91500E+00	0.81998E+00	
	0.12200E+01	0.74080E+00	
	0.15250E+01	0.65578E+00	
	0.18300E+01	0.56797E+00	
	0.21350E+01	0.48046E+00	
	0.24400E+01	0.39606E+00	
	0.27450E+01	0.31697E+00	
	0.30500E+01	0.24456E+00	
	0.37350E+01	0.12233E+00	

0.44200E+01 0.52747E-01
 0.51050E+01 0.19473E-01
 0.57900E+01 0.64412E-02
 0.64750E+01 0.36412E-02
 0.71600E+01 0.37398E-03
 0.78450E+01 0.72914E-04
 0.85300E+01 0.12732E-04
 0.92150E+01 0.25840E-05
 0.99000E+01 0.11213E-05
 0.10585E+02 0.96540E-06
 0.11270E+02 0.97479E-06
 0.11955E+02 0.98960E-06
 0.12640E+02 0.99653E-06
 0.13325E+02 0.99901E-06
 0.14010E+02 0.99976E-06
 0.14695E+02 0.99995E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.67070E-01
 0.51050E+01 0.26854E-01
 0.57900E+01 0.92833E-02
 0.64750E+01 0.27632E-02
 0.71600E+01 0.70155E-03
 0.78450E+01 0.15629E-03
 0.85300E+01 0.30425E-04
 0.92150E+01 0.58713E-05
 0.99000E+01 0.16896E-05
 0.10585E+02 0.10498E-05
 0.11270E+02 0.97950E-06
 0.11955E+02 0.98620E-06
 0.12640E+02 0.99446E-06
 0.13325E+02 0.99819E-06
 0.14010E+02 0.99949E-06
 0.14695E+02 0.99997E-06
 0.15380E+02 0.99999E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.86564E+00
	0.30500E+00	0.95499E+00	
	0.61000E+00	0.89919E+00	
	0.91500E+00	0.83359E+00	
	0.12200E+01	0.75976E+00	
	0.15250E+01	0.67978E+00	
	0.18300E+01	0.59617E+00	
	0.21350E+01	0.51153E+00	
	0.24400E+01	0.42866E+00	
	0.27450E+01	0.34935E+00	
	0.30500E+01	0.27521E+00	
	0.37350E+01	0.14542E+00	

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.89466E+00
	0.30500E+00	0.95662E+00	
	0.61000E+00	0.90339E+00	
	0.91500E+00	0.84096E+00	
	0.12200E+01	0.77051E+00	
	0.15250E+01	0.69381E+00	
	0.18300E+01	0.61308E+00	
	0.21350E+01	0.53071E+00	
	0.24400E+01	0.44901E+00	
	0.27450E+01	0.36989E+00	
	0.30500E+01	0.29478E+00	
	0.37350E+01	0.16124E+00	

0.44200E+01 0.77578E-01
 0.51050E+01 0.32663E-01
 0.57900E+01 0.11976E-01
 0.64750E+01 0.38108E-02
 0.71600E+01 0.10510E-02
 0.78450E+01 0.25159E-03
 0.85300E+01 0.53016E-04
 0.92150E+01 0.10568E-04
 0.99000E+01 0.26069E-05
 0.10585E+02 0.12241E-05
 0.11270E+02 0.10055E-05
 0.11955E+02 0.98679E-06
 0.12640E+02 0.99290E-06
 0.13325E+02 0.99736E-06
 0.14010E+02 0.99918E-06
 0.14695E+02 0.99978E-06
 0.15380E+02 0.99995E-06
 0.16065E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.83318E-01
 0.51050E+01 0.36602E-01
 0.57900E+01 0.13647E-01
 0.64750E+01 0.45053E-02
 0.71600E+01 0.12948E-02
 0.78450E+01 0.32432E-03
 0.85300E+01 0.71648E-04
 0.92150E+01 0.14792E-04
 0.99000E+01 0.35211E-05
 0.10585E+02 0.14276E-05
 0.11270E+02 0.10463E-05
 0.11955E+02 0.99189E-06
 0.12640E+02 0.99243E-06
 0.13325E+02 0.99674E-06
 0.14010E+02 0.99890E-06
 0.14695E+02 0.99968E-06
 0.15380E+02 0.99992E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.10000E-05
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.10000E+01	0.90960E+00
	0.30500E+00	0.95639E+00	
	0.61000E+00	0.90409E+00	
	0.91500E+00	0.84317E+00	
	0.12200E+01	0.77445E+00	
	0.15250E+01	0.69951E+00	
	0.18300E+01	0.62039E+00	
	0.21350E+01	0.53933E+00	
	0.24400E+01	0.45847E+00	
	0.27450E+01	0.37954E+00	
	0.30500E+01	0.30370E+00	
	0.37350E+01	0.16926E+00	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.91055E+00
	0.30500E+00	0.95392E+00	
	0.61000E+00	0.90141E+00	
	0.91500E+00	0.84060E+00	
	0.12200E+01	0.77217E+00	
	0.15250E+01	0.69764E+00	
	0.18300E+01	0.61899E+00	
	0.21350E+01	0.53836E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.37897E+00	
	0.30500E+01	0.30175E+00	
	0.37350E+01	0.16962E+00	

0.44200E+01 0.84022E-01
 0.51050E+01 0.36639E-01
 0.57900E+01 0.14004E-01
 0.64750E+01 0.46758E-02
 0.71600E+01 0.13616E-02
 0.78450E+01 0.34625E-03
 0.85300E+01 0.77871E-04
 0.92150E+01 0.16417E-04
 0.99000E+01 0.39520E-05
 0.10585E+02 0.15492E-05
 0.11270E+02 0.10781E-05
 0.11955E+02 0.99785E-06
 0.12640E+02 0.99284E-06
 0.13325E+02 0.99650E-06
 0.14010E+02 0.99875E-06
 0.14695E+02 0.99962E-06
 0.15380E+02 0.99990E-06
 0.16065E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.90376E-01
 0.51050E+01 0.40943E-01
 0.57900E+01 0.16382E-01
 0.64750E+01 0.57720E-02
 0.71600E+01 0.17875E-02
 0.78450E+01 0.48683E-03
 0.85300E+01 0.11762E-03
 0.92150E+01 0.26180E-04
 0.99000E+01 0.61194E-05
 0.10585E+02 0.20253E-05
 0.11270E+02 0.11885E-05
 0.11955E+02 0.10213E-05
 0.12640E+02 0.99620E-06
 0.13325E+02 0.99626E-06
 0.14010E+02 0.99838E-06
 0.14695E+02 0.99945E-06
 0.15380E+02 0.99984E-06
 0.16065E+02 0.99996E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91571E+00
	0.30500E+00	0.94856E+00	
	0.61000E+00	0.89354E+00	
	0.91500E+00	0.83266E+00	
	0.12200E+01	0.76543E+00	
	0.15250E+01	0.69268E+00	
	0.18300E+01	0.61599E+00	
	0.21350E+01	0.53710E+00	
	0.24400E+01	0.45791E+00	
	0.27450E+01	0.37955E+00	
	0.30500E+01	0.30416E+00	
	0.37350E+01	0.17660E+00	

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.92134E+00
	0.30500E+00	0.94515E+00	
	0.61000E+00	0.88781E+00	
	0.91500E+00	0.82615E+00	
	0.12200E+01	0.75943E+00	
	0.15250E+01	0.68798E+00	
	0.18300E+01	0.61289E+00	
	0.21350E+01	0.53565E+00	
	0.24400E+01	0.45783E+00	
	0.27450E+01	0.38106E+00	
	0.30500E+01	0.30727E+00	
	0.37350E+01	0.18264E+00	

0.44200E+01 0.96419E-01
 0.51050E+01 0.45247E-01
 0.57900E+01 0.18867E-01
 0.64750E+01 0.69758E-02
 0.71600E+01 0.22830E-02
 0.78450E+01 0.66140E-03
 0.85300E+01 0.17061E-03
 0.92150E+01 0.40197E-04
 0.99000E+01 0.94464E-05
 0.10585E+02 0.27854E-05
 0.11270E+02 0.13687E-05
 0.11955E+02 0.10636E-05
 0.12640E+02 0.10043E-05
 0.13325E+02 0.99708E-06
 0.14010E+02 0.99814E-06
 0.14695E+02 0.99926E-06
 0.15380E+02 0.99976E-06
 0.16065E+02 0.99993E-06
 0.16750E+02 0.99998E-06
 0.17435E+02 0.10000E-05
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.10212E+00
 0.51050E+01 0.49512E-01
 0.57900E+01 0.21438E-01
 0.64750E+01 0.82798E-02
 0.71600E+01 0.28483E-02
 0.78450E+01 0.97255E-03
 0.85300E+01 0.23898E-03
 0.92150E+01 0.59558E-04
 0.99000E+01 0.14346E-04
 0.10585E+02 0.39546E-05
 0.11270E+02 0.16527E-05
 0.11955E+02 0.11342E-05
 0.12640E+02 0.10203E-05
 0.13325E+02 0.99985E-06
 0.14010E+02 0.99827E-06
 0.14695E+02 0.99911E-06
 0.15380E+02 0.99967E-06
 0.16065E+02 0.99990E-06
 0.16750E+02 0.99997E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.92731E+00
	0.30500E+00	0.94263E+00	
	0.61000E+00	0.88341E+00	
	0.91500E+00	0.82087E+00	
	0.12200E+01	0.75426E+00	
	0.15250E+01	0.68368E+00	
	0.18300E+01	0.60989E+00	
	0.21350E+01	0.53412E+00	
	0.24400E+01	0.45784E+00	
	0.27450E+01	0.38268E+00	
	0.30500E+01	0.31048E+00	
	0.37350E+01	0.18820E+00	

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.93351E+00
	0.30500E+00	0.94067E+00	
	0.61000E+00	0.87990E+00	
	0.91500E+00	0.81652E+00	
	0.12200E+01	0.74985E+00	
	0.15250E+01	0.67987E+00	
	0.18300E+01	0.60716E+00	
	0.21350E+01	0.53274E+00	
	0.24400E+01	0.45796E+00	
	0.27450E+01	0.38434E+00	
	0.30500E+01	0.31364E+00	
	0.37350E+01	0.19341E+00	

0.44200E+01 0.10751E+00
 0.51050E+01 0.53707E-01
 0.57900E+01 0.24075E-01
 0.64750E+01 0.96753E-02
 0.71600E+01 0.34826E-02
 0.78450E+01 0.11224E-02
 0.85300E+01 0.32475E-03
 0.92150E+01 0.85416E-04
 0.99000E+01 0.21303E-04
 0.10585E+02 0.56939E-05
 0.11270E+02 0.20861E-05
 0.11955E+02 0.12458E-05
 0.12640E+02 0.10482E-05
 0.13325E+02 0.10058E-05
 0.14010E+02 0.99913E-06
 0.14695E+02 0.99907E-06
 0.15380E+02 0.99958E-06
 0.16065E+02 0.99985E-06
 0.16750E+02 0.99996E-06
 0.17435E+02 0.99999E-06
 0.18120E+02 0.10000E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.11266E+00
 0.51050E+01 0.57819E-01
 0.57900E+01 0.26757E-01
 0.64750E+01 0.11153E-01
 0.71600E+01 0.41841E-02
 0.78450E+01 0.14123E-02
 0.85300E+01 0.42977E-03
 0.92150E+01 0.11896E-03
 0.99000E+01 0.30864E-04
 0.10585E+02 0.82022E-05
 0.11270E+02 0.27291E-05
 0.11955E+02 0.14157E-05
 0.12640E+02 0.10932E-05
 0.13325E+02 0.10168E-05
 0.14010E+02 0.10013E-05
 0.14695E+02 0.99930E-06
 0.15380E+02 0.99953E-06
 0.16065E+02 0.99981E-06
 0.16750E+02 0.99994E-06
 0.17435E+02 0.99998E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.93991E+00
	0.30500E+00	0.93908E+00	
	0.61000E+00	0.87704E+00	
	0.91500E+00	0.81291E+00	
	0.12200E+01	0.74610E+00	
	0.15250E+01	0.67657E+00	
	0.18300E+01	0.60476E+00	
	0.21350E+01	0.53156E+00	
	0.24400E+01	0.45818E+00	
	0.27450E+01	0.38600E+00	
	0.30500E+01	0.31669E+00	
	0.37350E+01	0.19833E+00	

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94647E+00
	0.30500E+00	0.93778E+00	
	0.61000E+00	0.87465E+00	
	0.91500E+00	0.80988E+00	
	0.12200E+01	0.74293E+00	
	0.15250E+01	0.67374E+00	
	0.18300E+01	0.60271E+00	
	0.21350E+01	0.53060E+00	
	0.24400E+01	0.45849E+00	
	0.27450E+01	0.38766E+00	
	0.30500E+01	0.31962E+00	
	0.37350E+01	0.20300E+00	

0.44200E+01 0.11757E+00
 0.51050E+01 0.61844E-01
 0.57900E+01 0.29468E-01
 0.64750E+01 0.12703E-01
 0.71600E+01 0.49503E-02
 0.78450E+01 0.17434E-02
 0.85300E+01 0.55571E-03
 0.92150E+01 0.16136E-03
 0.99000E+01 0.43628E-04
 0.10585E+02 0.11717E-04
 0.11270E+02 0.36589E-05
 0.11955E+02 0.16666E-05
 0.12640E+02 0.11624E-05
 0.13325E+02 0.10350E-05
 0.14010E+02 0.10055E-05
 0.14695E+02 0.10000E-05
 0.15380E+02 0.99957E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99991E-06
 0.17435E+02 0.99997E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.12228E+00
 0.51050E+01 0.65779E-01
 0.57900E+01 0.32196E-01
 0.64750E+01 0.14316E-01
 0.71600E+01 0.57779E-02
 0.78450E+01 0.21161E-02
 0.85300E+01 0.70401E-03
 0.92150E+01 0.21380E-03
 0.99000E+01 0.60237E-04
 0.10585E+02 0.16512E-04
 0.11270E+02 0.49718E-05
 0.11955E+02 0.20279E-05
 0.12640E+02 0.12649E-05
 0.13325E+02 0.10636E-05
 0.14010E+02 0.10128E-05
 0.14695E+02 0.10016E-05
 0.15380E+02 0.99981E-06
 0.16065E+02 0.99977E-06
 0.16750E+02 0.99999E-06
 0.17435E+02 0.99996E-06
 0.18120E+02 0.99999E-06
 0.18805E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.1000E+01	0.95316E+00
	0.3050E+00	0.93669E+00	
	0.6100E+00	0.87268E+00	
	0.9150E+00	0.80734E+00	
	0.1220E+01	0.74025E+00	
	0.1525E+01	0.67136E+00	
	0.1830E+01	0.60100E+00	
	0.2135E+01	0.52986E+00	
	0.2440E+01	0.45891E+00	
	0.2745E+01	0.38931E+00	
	0.3050E+01	0.32244E+00	
	0.3735E+01	0.20744E+00	

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.1000E+01	0.95996E+00
	0.3050E+00	0.93578E+00	
	0.6100E+00	0.87102E+00	
	0.9150E+00	0.80520E+00	
	0.1220E+01	0.73799E+00	
	0.1525E+01	0.66936E+00	
	0.1830E+01	0.59960E+00	
	0.2135E+01	0.52934E+00	
	0.2440E+01	0.45941E+00	
	0.2745E+01	0.39096E+00	
	0.3050E+01	0.32517E+00	
	0.3735E+01	0.21167E+00	

0.44200E+01 0.12681E+00
 0.51050E+01 0.69627E-01
 0.57900E+01 0.34931E-01
 0.64750E+01 0.15983E-01
 0.71600E+01 0.66635E-02
 0.78450E+01 0.25304E-02
 0.85300E+01 0.87566E-03
 0.92150E+01 0.27738E-03
 0.99000E+01 0.81355E-04
 0.10585E+02 0.22897E-04
 0.11270E+02 0.67843E-05
 0.11955E+02 0.25373E-05
 0.12640E+02 0.14125E-05
 0.13325E+02 0.11066E-05
 0.14010E+02 0.10246E-05
 0.14695E+02 0.10045E-05
 0.15380E+02 0.10004E-05
 0.16065E+02 0.99983E-06
 0.16750E+02 0.99988E-06
 0.17435E+02 0.99995E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.13116E+00
 0.51050E+01 0.73387E-01
 0.57900E+01 0.37664E-01
 0.64750E+01 0.17696E-01
 0.71600E+01 0.76031E-02
 0.78450E+01 0.29857E-02
 0.85300E+01 0.10722E-02
 0.92150E+01 0.35314E-03
 0.99000E+01 0.10766E-03
 0.10585E+02 0.31210E-04
 0.11270E+02 0.92338E-05
 0.11955E+02 0.32419E-05
 0.12640E+02 0.16199E-05
 0.13325E+02 0.11689E-05
 0.14010E+02 0.10429E-05
 0.14695E+02 0.10094E-05
 0.15380E+02 0.10015E-05
 0.16065E+02 0.10000E-05
 0.16750E+02 0.99989E-06
 0.17435E+02 0.99994E-06
 0.18120E+02 0.99998E-06
 0.18805E+02 0.99999E-06
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.96685E+00
	0.3050E+00	0.93502E+00	
	0.6100E+00	0.86962E+00	
	0.9150E+00	0.80341E+00	
	0.1220E+01	0.73611E+00	
	0.1525E+01	0.66771E+00	
	0.1830E+01	0.59850E+00	
	0.2135E+01	0.52902E+00	
	0.2440E+01	0.46007E+00	
	0.2745E+01	0.39261E+00	
	0.3050E+01	0.32782E+00	
	0.3735E+01	0.21571E+00	

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.1000E+01	0.97382E+00
	0.3050E+00	0.93438E+00	
	0.6100E+00	0.86845E+00	
	0.9150E+00	0.80192E+00	
	0.1220E+01	0.73456E+00	
	0.1525E+01	0.66638E+00	
	0.1830E+01	0.59765E+00	
	0.2135E+01	0.52889E+00	
	0.2440E+01	0.45808E+00	
	0.2745E+01	0.39428E+00	
	0.3050E+01	0.33040E+00	
	0.3735E+01	0.21960E+00	

0.44200E+01	0.13536E+00
0.51050E+01	0.77062E-01
0.57900E+01	0.40390E-01
0.64750E+01	0.19449E-01
0.71600E+01	0.85927E-02
0.78450E+01	0.34813E-02
0.85300E+01	0.12938E-02
0.92150E+01	0.44203E-03
0.99000E+01	0.13984E-03
0.10585E+02	0.41816E-04
0.11270E+02	0.12478E-04
0.11955E+02	0.41992E-05
0.12640E+02	0.19061E-05
0.13325E+02	0.12569E-05
0.14010E+02	0.10695E-05
0.14695E+02	0.10170E-05
0.15380E+02	0.10035E-05
0.16065E+02	0.10005E-05
0.16750E+02	0.99996E-06
0.17435E+02	0.99994E-06
0.18120E+02	0.99997E-06
0.18805E+02	0.99999E-06
0.19490E+02	0.10000E-05
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

0.44200E+01	0.13941E+00
0.51050E+01	0.80654E-01
0.57900E+01	0.43104E-01
0.64750E+01	0.21234E-01
0.71600E+01	0.96286E-02
0.78450E+01	0.40161E-02
0.85300E+01	0.15410E-02
0.92150E+01	0.54491E-03
0.99000E+01	0.17857E-03
0.10585E+02	0.55099E-04
0.11270E+02	0.16694E-04
0.11955E+02	0.54779E-05
0.12640E+02	0.22945E-05
0.13325E+02	0.13783E-05
0.14010E+02	0.11077E-05
0.14695E+02	0.10285E-05
0.15380E+02	0.10066E-05
0.16065E+02	0.10012E-05
0.16750E+02	0.10001E-05
0.17435E+02	0.99996E-06
0.18120E+02	0.99997E-06
0.18805E+02	0.99999E-06
0.19490E+02	0.99999E-06
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.1000E+01	0.98085E+00
0.3050E+00	0.9338E+00		
0.6100E+00	0.8674E+00		
0.9150E+00	0.8006E+00		
0.1220E+01	0.7332E+00		
0.1525E+01	0.6625E+00		
0.1830E+01	0.5970E+00		
0.2135E+01	0.5289E+00		
0.2440E+01	0.4616E+00		
0.2745E+01	0.3959E+00		
0.3050E+01	0.3329E+00		
0.3735E+01	0.2233E+00		

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.1000E+01	0.98793E+00
0.3050E+00	0.9334E+00		
0.6100E+00	0.8667E+00		
0.9150E+00	0.7996E+00		
0.1220E+01	0.7326E+00		
0.1525E+01	0.6645E+00		
0.1830E+01	0.5964E+00		
0.2135E+01	0.5291E+00		
0.2440E+01	0.4625E+00		
0.2745E+01	0.3976E+00		
0.3050E+01	0.3353E+00		
0.3735E+01	0.2269E+00		

0.44200E+01	0.14333E+00
0.51050E+01	0.84166E-01
0.57900E+01	0.45802E-01
0.64750E+01	0.23047E-01
0.71600E+01	0.10707E-01
0.78450E+01	0.45807E-02
0.85300E+01	0.18142E-02
0.92150E+01	0.66252E-03
0.99000E+01	0.22448E-03
0.10585E+02	0.71455E-04
0.11270E+02	0.22078E-04
0.11955E+02	0.71582E-05
0.12640E+02	0.28136E-05
0.13325E+02	0.15230E-05
0.14010E+02	0.11407E-05
0.14695E+02	0.10451E-05
0.15380E+02	0.10115E-05
0.16065E+02	0.10025E-05
0.16750E+02	0.10004E-05
0.17435E+02	0.10000E-05
0.18120E+02	0.99997E-06
0.18805E+02	0.99998E-06
0.19490E+02	0.99999E-06
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

0.44200E+01	0.15209E+00
0.51050E+01	0.91266E-01
0.57900E+01	0.50961E-01
0.64750E+01	0.26414E-01
0.71600E+01	0.12689E-01
0.78450E+01	0.56438E-02
0.85300E+01	0.23236E-02
0.92150E+01	0.88619E-03
0.99000E+01	0.31404E-03
0.10585E+02	0.10429E-03
0.11270E+02	0.33185E-04
0.11955E+02	0.10685E-04
0.12640E+02	0.39006E-05
0.13325E+02	0.18820E-05
0.14010E+02	0.12695E-05
0.14695E+02	0.10800E-05
0.15380E+02	0.10222E-05
0.16065E+02	0.10056E-05
0.16750E+02	0.10012E-05
0.17435E+02	0.10002E-05
0.18120E+02	0.10000E-05
0.18805E+02	0.99998E-06
0.19490E+02	0.99999E-06
0.20175E+02	0.10000E-05
0.20860E+02	0.10000E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.1000E+01	0.10105E+01
0.3050E+00	0.9383E+00		
0.6100E+00	0.8734E+00		
0.9150E+00	0.8068E+00		
0.1220E+01	0.7396E+00		
0.1525E+01	0.6722E+00		
0.1830E+01	0.6048E+00		
0.2135E+01	0.5380E+00		
0.2440E+01	0.4725E+00		
0.2745E+01	0.4082E+00		
0.3050E+01	0.3467E+00		
0.3735E+01	0.2367E+00		

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.1000E+01	0.10477E+01
0.3050E+00	0.9449E+00		
0.6100E+00	0.8843E+00		
0.9150E+00	0.8205E+00		
0.1220E+01	0.7548E+00		
0.1525E+01	0.6882E+00		
0.1830E+01	0.6214E+00		
0.2135E+01	0.5550E+00		
0.2440E+01	0.4904E+00		
0.2745E+01	0.4270E+00		
0.3050E+01	0.3657E+00		
0.3735E+01	0.2532E+00		

0.44200E+01 0.16598E+00
 0.51050E+01 0.10217E+00
 0.57900E+01 0.58870E-01
 0.64750E+01 0.31634E-01
 0.71600E+01 0.15824E-01
 0.78450E+01 0.73602E-02
 0.85300E+01 0.31814E-02
 0.92150E+01 0.12783E-02
 0.99000E+01 0.47826E-03
 0.10585E+02 0.16749E-03
 0.11270E+02 0.55640E-04
 0.11955E+02 0.18128E-04
 0.12640E+02 0.62540E-05
 0.13325E+02 0.26175E-05
 0.14010E+02 0.15039E-05
 0.14695E+02 0.11560E-05
 0.15380E+02 0.10466E-05
 0.16065E+02 0.10130E-05
 0.16750E+02 0.10033E-05
 0.17435E+02 0.10007E-05
 0.18120E+02 0.10001E-05
 0.18805E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20175E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.18514E+00
 0.51050E+01 0.11733E+00
 0.57900E+01 0.69980E-01
 0.64750E+01 0.39143E-01
 0.71600E+01 0.20485E-01
 0.78450E+01 0.10015E-01
 0.85300E+01 0.45705E-02
 0.92150E+01 0.19467E-02
 0.99000E+01 0.77439E-03
 0.10585E+02 0.28850E-03
 0.11270E+02 0.10139E-03
 0.11955E+02 0.34228E-04
 0.12640E+02 0.11595E-04
 0.13325E+02 0.43289E-05
 0.14010E+02 0.20508E-05
 0.14695E+02 0.13337E-05
 0.15380E+02 0.11047E-05
 0.16065E+02 0.10316E-05
 0.16750E+02 0.10090E-05
 0.17435E+02 0.10023E-05
 0.18120E+02 0.10005E-05
 0.18805E+02 0.10001E-05
 0.19490E+02 0.10000E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.10989E+01
	0.30500E+00	0.95196E+00	
	0.61000E+00	0.89744E+00	
	0.91500E+00	0.83811E+00	
	0.12200E+01	0.77558E+00	
	0.15250E+01	0.71120E+00	
	0.18300E+01	0.64603E+00	
	0.21350E+01	0.58092E+00	
	0.24400E+01	0.51653E+00	
	0.27450E+01	0.45343E+00	
	0.30500E+01	0.39208E+00	
	0.37350E+01	0.27640E+00	

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.11638E+01
	0.30500E+00	0.95876E+00	
	0.61000E+00	0.91077E+00	
	0.91500E+00	0.85722E+00	
	0.12200E+01	0.79944E+00	
	0.15250E+01	0.73872E+00	
	0.18300E+01	0.67620E+00	
	0.21350E+01	0.61288E+00	
	0.24400E+01	0.54956E+00	
	0.27450E+01	0.48630E+00	
	0.30500E+01	0.42536E+00	
	0.37350E+01	0.30635E+00	

0.44200E+01 0.21035E+00
 0.51050E+01 0.13733E+00
 0.57900E+01 0.84901E-01
 0.64750E+01 0.49519E-01
 0.71600E+01 0.27173E-01
 0.78450E+01 0.14003E-01
 0.85300E+01 0.67681E-02
 0.92150E+01 0.30666E-02
 0.99000E+01 0.13026E-02
 0.10585E+02 0.51931E-03
 0.11270E+02 0.19501E-03
 0.11955E+02 0.69591E-04
 0.12640E+02 0.24118E-04
 0.13325E+02 0.85446E-05
 0.14010E+02 0.34313E-05
 0.14695E+02 0.17851E-05
 0.15380E+02 0.12538E-05
 0.16065E+02 0.10808E-05
 0.16750E+02 0.10249E-05
 0.17435E+02 0.10072E-05
 0.18120E+02 0.10020E-05
 0.18805E+02 0.10005E-05
 0.19490E+02 0.10001E-05
 0.20175E+02 0.10000E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.24191E+00
 0.51050E+01 0.16287E+00
 0.57900E+01 0.10438E+00
 0.64750E+01 0.63480E-01
 0.71600E+01 0.36533E-01
 0.78450E+01 0.19853E-01
 0.85300E+01 0.10172E-01
 0.92150E+01 0.49085E-02
 0.99000E+01 0.22301E-02
 0.10585E+02 0.95418E-03
 0.11270E+02 0.38503E-03
 0.11955E+02 0.14711E-03
 0.12640E+02 0.53746E-04
 0.13325E+02 0.19224E-04
 0.14010E+02 0.71104E-05
 0.14695E+02 0.30214E-05
 0.15380E+02 0.15675E-05
 0.16065E+02 0.12198E-05
 0.16750E+02 0.10713E-05
 0.17435E+02 0.10224E-05
 0.18120E+02 0.10068E-05
 0.18805E+02 0.10019E-05
 0.19490E+02 0.10005E-05
 0.20175E+02 0.10001E-05
 0.20860E+02 0.10000E-05
 0.21545E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22915E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24285E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.12418E+01
	0.30500E+00	0.96506E+00	
	0.61000E+00	0.92360E+00	
	0.91500E+00	0.87636E+00	
	0.12200E+01	0.82428E+00	
	0.15250E+01	0.76840E+00	
	0.18300E+01	0.70976E+00	
	0.21350E+01	0.64932E+00	
	0.24400E+01	0.58792E+00	
	0.27450E+01	0.52629E+00	
	0.30500E+01	0.46493E+00	
	0.37350E+01	0.34301E+00	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.13328E+01
	0.30500E+00	0.97073E+00	
	0.61000E+00	0.93545E+00	
	0.91500E+00	0.89452E+00	
	0.12200E+01	0.84855E+00	
	0.15250E+01	0.79826E+00	
	0.18300E+01	0.74446E+00	
	0.21350E+01	0.68796E+00	
	0.24400E+01	0.62954E+00	
	0.27450E+01	0.56988E+00	
	0.30500E+01	0.50953E+00	
	0.37350E+01	0.38595E+00	

0.44200E+01	0.28003E+00
0.51050E+01	0.19457E+00
0.57900E+01	0.12924E+00
0.64750E+01	0.81871E-01
0.71600E+01	0.49351E-01
0.78450E+01	0.28246E-01
0.85300E+01	0.15323E-01
0.92150E+01	0.78687E-02
0.99000E+01	0.38220E-02
0.10585E+02	0.17553E-02
0.11270E+02	0.76250E-03
0.11955E+02	0.31379E-03
0.12640E+02	0.12283E-03
0.13325E+02	0.46187E-04
0.14010E+02	0.17082E-04
0.14695E+02	0.65565E-05
0.15380E+02	0.28898E-05
0.16065E+02	0.16390E-05
0.16750E+02	0.12148E-05
0.17435E+02	0.10712E-05
0.18120E+02	0.10230E-05
0.18805E+02	0.10072E-05
0.19490E+02	0.10021E-05
0.20175E+02	0.10006E-05
0.20860E+02	0.10002E-05
0.21545E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.14365E+01
	0.30500E+00	0.97572E+00	
	0.61000E+00	0.94606E+00	
	0.91500E+00	0.91114E+00	
	0.12200E+01	0.87126E+00	
	0.15250E+01	0.82687E+00	
	0.18300E+01	0.77851E+00	
	0.21350E+01	0.72579E+00	
	0.24400E+01	0.67230E+00	
	0.27450E+01	0.61567E+00	
	0.30500E+01	0.55739E+00	
	0.37350E+01	0.43415E+00	

0.44200E+01	0.37456E+00
0.51050E+01	0.27762E+00
0.57900E+01	0.19457E+00
0.64750E+01	0.13553E+00
0.71600E+01	0.89095E-01
0.78450E+01	0.56142E-01
0.85300E+01	0.33865E-01
0.92150E+01	0.19528E-01
0.99000E+01	0.10752E-01
0.10585E+02	0.56483E-02
0.11270E+02	0.28288E-02
0.11955E+02	0.13504E-02
0.12640E+02	0.61467E-03
0.13325E+02	0.26710E-03
0.14010E+02	0.11118E-03
0.14695E+02	0.44682E-04
0.15380E+02	0.17666E-04
0.16065E+02	0.71660E-05
0.16750E+02	0.32329E-05
0.17435E+02	0.17978E-05
0.18120E+02	0.12820E-05
0.18805E+02	0.10983E-05
0.19490E+02	0.10336E-05
0.20175E+02	0.10112E-05
0.20860E+02	0.10036E-05
0.21545E+02	0.10011E-05
0.22230E+02	0.10003E-05
0.22915E+02	0.10001E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.16818E+01
	0.30500E+00	0.98369E+00	
	0.61000E+00	0.96336E+00	
	0.91500E+00	0.93885E+00	
	0.12200E+01	0.91008E+00	
	0.15250E+01	0.87709E+00	
	0.18300E+01	0.84001E+00	
	0.21350E+01	0.79902E+00	
	0.24400E+01	0.75438E+00	
	0.27450E+01	0.70635E+00	
	0.30500E+01	0.65522E+00	
	0.37350E+01	0.54003E+00	

0.44200E+01	0.32450E+00
0.51050E+01	0.23283E+00
0.57900E+01	0.16022E+00
0.64750E+01	0.10560E+00
0.71600E+01	0.66544E-01
0.78450E+01	0.40017E-01
0.85300E+01	0.22928E-01
0.92150E+01	0.12498E-01
0.99000E+01	0.64751E-02
0.10585E+02	0.31859E-02
0.11270E+02	0.14881E-02
0.11955E+02	0.66035E-03
0.12640E+02	0.27869E-03
0.13325E+02	0.11231E-03
0.14010E+02	0.43612E-04
0.14695E+02	0.16679E-04
0.15380E+02	0.65984E-05
0.16065E+02	0.29621E-05
0.16750E+02	0.16809E-05
0.17435E+02	0.12344E-05
0.18120E+02	0.10795E-05
0.18805E+02	0.10264E-05
0.19490E+02	0.10085E-05
0.20175E+02	0.10026E-05
0.20860E+02	0.10008E-05
0.21545E+02	0.10002E-05
0.22230E+02	0.10001E-05
0.22915E+02	0.10000E-05
0.23600E+02	0.10000E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.15528E+01
	0.30500E+00	0.98003E+00	
	0.61000E+00	0.95536E+00	
	0.91500E+00	0.92594E+00	
	0.12200E+01	0.89186E+00	
	0.15250E+01	0.85231E+00	
	0.18300E+01	0.81062E+00	
	0.21350E+01	0.76417E+00	
	0.24400E+01	0.71438E+00	
	0.27450E+01	0.66171E+00	
	0.30500E+01	0.60656E+00	
	0.37350E+01	0.48612E+00	

0.44200E+01	0.42891E+00
0.51050E+01	0.32837E+00
0.57900E+01	0.24231E+00
0.64750E+01	0.17228E+00
0.71600E+01	0.11793E+00
0.78450E+01	0.77668E-01
0.85300E+01	0.49159E-01
0.92150E+01	0.29872E-01
0.99000E+01	0.17409E-01
0.10585E+02	0.97215E-02
0.11270E+02	0.51976E-02
0.11955E+02	0.26591E-02
0.12640E+02	0.13015E-02
0.13325E+02	0.60953E-03
0.14010E+02	0.27343E-03
0.14695E+02	0.11782E-03
0.15380E+02	0.49076E-04
0.16065E+02	0.20062E-04
0.16750E+02	0.83247E-05
0.17435E+02	0.37483E-05
0.18120E+02	0.20141E-05
0.18805E+02	0.13693E-05
0.19490E+02	0.11326E-05
0.20175E+02	0.10467E-05
0.20860E+02	0.10161E-05
0.21545E+02	0.10054E-05
0.22230E+02	0.10018E-05
0.22915E+02	0.10005E-05
0.23600E+02	0.10002E-05
0.24285E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25655E+02	0.10000E-05
0.26340E+02	0.10000E-05
0.27025E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28395E+02	0.10000E-05
0.29080E+02	0.10000E-05
0.29765E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.18234E+01
	0.30500E+00	0.98677E+00	
	0.61000E+00	0.97015E+00	
	0.91500E+00	0.94991E+00	
	0.12200E+01	0.92590E+00	
	0.15250E+01	0.89803E+00	
	0.18300E+01	0.86627E+00	
	0.21350E+01	0.83067E+00	
	0.24400E+01	0.79132E+00	
	0.27450E+01	0.74833E+00	
	0.30500E+01	0.70187E+00	
	0.37350E+01	0.59405E+00	

0.44200E+01 0.48584E+00
 0.51050E+01 0.38319E+00
 0.57900E+01 0.29306E+00
 0.64750E+01 0.21604E+00
 0.71600E+01 0.15375E+00
 0.78450E+01 0.10558E+00
 0.85300E+01 0.69912E-01
 0.92150E+01 0.44605E-01
 0.99000E+01 0.27398E-01
 0.10585E+02 0.16189E-01
 0.11270E+02 0.91955E-02
 0.11955E+02 0.50174E-02
 0.12640E+02 0.26286E-02
 0.13325E+02 0.13219E-02
 0.14010E+02 0.63824E-03
 0.14695E+02 0.29606E-03
 0.15380E+02 0.13222E-03
 0.16065E+02 0.57140E-04
 0.16750E+02 0.24168E-04
 0.17435E+02 0.10264E-04
 0.18120E+02 0.46102E-05
 0.18805E+02 0.23799E-05
 0.19490E+02 0.15194E-05
 0.20175E+02 0.11926E-05
 0.20860E+02 0.10702E-05
 0.21545E+02 0.10250E-05
 0.22230E+02 0.10087E-05
 0.22915E+02 0.10030E-05
 0.23600E+02 0.10010E-05
 0.24285E+02 0.10003E-05
 0.24970E+02 0.10001E-05
 0.25655E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.54353E+00
 0.51050E+01 0.44265E+00
 0.57900E+01 0.34907E+00
 0.64750E+01 0.26646E+00
 0.71600E+01 0.19682E+00
 0.78450E+01 0.14063E+00
 0.85300E+01 0.97158E-01
 0.92150E+01 0.64872E-01
 0.99000E+01 0.41837E-01
 0.10585E+02 0.26044E-01
 0.11270E+02 0.15641E-01
 0.11955E+02 0.90554E-02
 0.12640E+02 0.50519E-02
 0.13325E+02 0.27145E-02
 0.14010E+02 0.14045E-02
 0.14695E+02 0.69981E-03
 0.15380E+02 0.33594E-03
 0.16065E+02 0.15561E-03
 0.16750E+02 0.69810E-04
 0.17435E+02 0.30581E-04
 0.18120E+02 0.13324E-04
 0.18805E+02 0.59978E-05
 0.19490E+02 0.29835E-05
 0.20175E+02 0.17736E-05
 0.20860E+02 0.12970E-05
 0.21545E+02 0.11121E-05
 0.22230E+02 0.10415E-05
 0.22915E+02 0.10150E-05
 0.23600E+02 0.10053E-05
 0.24285E+02 0.10018E-05
 0.24970E+02 0.10006E-05
 0.25655E+02 0.10002E-05
 0.26340E+02 0.10001E-05
 0.27025E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19776E+01
	0.30500E+00	0.98934E+00	
	0.61000E+00	0.97585E+00	
	0.91500E+00	0.95928E+00	
	0.12200E+01	0.93943E+00	
	0.15250E+01	0.91614E+00	
	0.18300E+01	0.88929E+00	
	0.21350E+01	0.85981E+00	
	0.24400E+01	0.82456E+00	
	0.27450E+01	0.78684E+00	
	0.30500E+01	0.74538E+00	
	0.37350E+01	0.64653E+00	

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.21445E+01
	0.30500E+00	0.99145E+00	
	0.61000E+00	0.98058E+00	
	0.91500E+00	0.96712E+00	
	0.12200E+01	0.95086E+00	
	0.15250E+01	0.93160E+00	
	0.18300E+01	0.90915E+00	
	0.21350E+01	0.88338E+00	
	0.24400E+01	0.85416E+00	
	0.27450E+01	0.82141E+00	
	0.30500E+01	0.78505E+00	
	0.37350E+01	0.69614E+00	

0.44200E+01 0.60023E+00
 0.51050E+01 0.50278E+00
 0.57900E+01 0.40884E+00
 0.64750E+01 0.32257E+00
 0.71600E+01 0.24683E+00
 0.78450E+01 0.18311E+00
 0.85300E+01 0.13168E+00
 0.92150E+01 0.91748E-01
 0.99000E+01 0.61912E-01
 0.10585E+02 0.40445E-01
 0.11270E+02 0.25567E-01
 0.11955E+02 0.15631E-01
 0.12640E+02 0.92378E-02
 0.13325E+02 0.52755E-02
 0.14010E+02 0.29100E-02
 0.14695E+02 0.15501E-02
 0.15380E+02 0.79736E-03
 0.16065E+02 0.39619E-03
 0.16750E+02 0.19036E-03
 0.17435E+02 0.88672E-04
 0.18120E+02 0.40271E-04
 0.18805E+02 0.18056E-04
 0.19490E+02 0.82073E-05
 0.20175E+02 0.39755E-05
 0.20860E+02 0.22051E-05
 0.21545E+02 0.14800E-05
 0.22230E+02 0.11880E-05
 0.22915E+02 0.10723E-05
 0.23600E+02 0.10272E-05
 0.24285E+02 0.10100E-05
 0.24970E+02 0.10036E-05
 0.25655E+02 0.10013E-05
 0.26340E+02 0.10004E-05
 0.27025E+02 0.10001E-05
 0.27710E+02 0.10000E-05
 0.28395E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.44200E+01 0.65447E+00
 0.51050E+01 0.56249E+00
 0.57900E+01 0.47057E+00
 0.64750E+01 0.38290E+00
 0.71600E+01 0.30288E+00
 0.78450E+01 0.23281E+00
 0.85300E+01 0.17383E+00
 0.92150E+01 0.12604E+00
 0.99000E+01 0.88722E-01
 0.10585E+02 0.60611E-01
 0.11270E+02 0.40171E-01
 0.11955E+02 0.25821E-01
 0.12640E+02 0.16089E-01
 0.13325E+02 0.97155E-02
 0.14010E+02 0.56832E-02
 0.14695E+02 0.32195E-02
 0.15380E+02 0.17658E-02
 0.16065E+02 0.93764E-03
 0.16750E+02 0.48211E-03
 0.17435E+02 0.24019E-03
 0.18120E+02 0.11615E-03
 0.18805E+02 0.54722E-04
 0.19490E+02 0.25326E-04
 0.20175E+02 0.11716E-04
 0.20860E+02 0.56077E-05
 0.21545E+02 0.29406E-05
 0.22230E+02 0.18029E-05
 0.22915E+02 0.13267E-05
 0.23600E+02 0.11306E-05
 0.24285E+02 0.10512E-05
 0.24970E+02 0.10197E-05
 0.25655E+02 0.10074E-05
 0.26340E+02 0.10027E-05
 0.27025E+02 0.10010E-05
 0.27710E+02 0.10003E-05
 0.28395E+02 0.10001E-05
 0.29080E+02 0.10000E-05
 0.29765E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.00000E+00	0.10000E+01	0.23242E+01
	0.30500E+00	0.99319E+00	
	0.61000E+00	0.98447E+00	
	0.91500E+00	0.97362E+00	
	0.12200E+01	0.96041E+00	
	0.15250E+01	0.94462E+00	
	0.18300E+01	0.92605E+00	
	0.21350E+01	0.90452E+00	
	0.24400E+01	0.87995E+00	
	0.27450E+01	0.85188E+00	
	0.30500E+01	0.82048E+00	
	0.37350E+01	0.74194E+00	

NOTICE

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8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

0.57900E+01	0.42328E-48
0.71600E+01	0.00000E+00
0.85300E+01	0.00000E+00
0.99000E+01	0.00000E+00
0.11270E+02	0.00000E+00
0.12640E+02	0.00000E+00
0.14010E+02	0.00000E+00
0.15380E+02	0.00000E+00
0.16750E+02	0.00000E+00
0.18120E+02	0.00000E+00
0.19490E+02	0.00000E+00
0.20860E+02	0.00000E+00
0.22230E+02	0.00000E+00
0.23600E+02	0.00000E+00
0.24970E+02	0.00000E+00
0.26340E+02	0.00000E+00
0.27710E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.30450E+02	0.00000E+00

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.10000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25170E-14	
	0.30500E+01	0.16902E-15	
	0.44200E+01	0.60904E-22	
	0.57900E+01	0.91427E-13	
	0.71600E+01	0.49332E-06	
	0.85300E+01	0.10000E-05	
	0.99000E+01	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16750E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RJU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.10000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53853E-24	
	0.44200E+01	0.10473E-35	

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.0000E+00	0.10000E+01	0.15722E+00
	0.30500E+00	0.55442E+00	
	0.61000E+00	0.22053E+00	
	0.91500E+00	0.61633E-01	
	0.12200E+01	0.11926E-01	
	0.15250E+01	0.15779E-02	
	0.18300E+01	0.14151E-03	
	0.21350E+01	0.85531E-05	
	0.24400E+01	0.34683E-06	
	0.27450E+01	0.93991E-08	
	0.30500E+01	0.16237E-09	
	0.44200E+01	0.94557E-17	
	0.57900E+01	0.35825E-10	
	0.71600E+01	0.30712E-06	
	0.85300E+01	0.93168E-06	
	0.99000E+01	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.12640E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16750E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.30500E+00	0.75689E+00	
	0.61000E+00	0.50676E+00	
	0.91500E+00	0.29752E+00	
	0.12200E+01	0.15215E+00	
	0.15250E+01	0.67396E-01	
	0.18300E+01	0.25747E-01	
	0.21350E+01	0.84554E-02	
	0.24400E+01	0.23811E-02	
	0.27450E+01	0.57331E-03	
	0.30500E+01	0.11360E-03	
	0.44200E+01	0.64409E-08	
	0.57900E+01	0.17798E-08	
	0.71600E+01	0.16994E-06	
	0.85300E+01	0.71323E-06	
	0.99000E+01	0.96610E-06	
	0.11270E+02	0.99865E-06	
	0.12640E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	
	0.15380E+02	0.10000E-05	
	0.16750E+02	0.10000E-05	
	0.18120E+02	0.10000E-05	
	0.19490E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.0000E+00	0.10000E+01	0.21292E+00
	0.30500E+00	0.67567E+00	
	0.61000E+00	0.37700E+00	
	0.91500E+00	0.17147E+00	
	0.12200E+01	0.62969E-01	
	0.15250E+01	0.18524E-01	
	0.18300E+01	0.43396E-02	
	0.21350E+01	0.90528E-03	
	0.24400E+01	0.11845E-04	
	0.27450E+01	0.13722E-02	
	0.30500E+01	0.12011E-05	
	0.44200E+01	0.59209E-12	
	0.57900E+01	0.46031E-09	
	0.71600E+01	0.21769E-06	
	0.85300E+01	0.82696E-06	

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
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0.1000E+02	0.0000E+00	0.1000E+01	0.54840E+00
0.30500E+00	0.90783E+00		
0.61000E+00	0.79697E+00		
0.91500E+00	0.67430E+00		
0.12200E+01	0.54829E+00		
0.15250E+01	0.42743E+00		
0.18300E+01	0.31881E+00		
0.21350E+01	0.22709E+00		
0.24400E+01	0.15411E+00		
0.27450E+01	0.99143E-01		
0.30500E+01	0.59535E-01		
0.44200E+01	0.29130E-02		
0.57900E+01	0.44208E-04		
0.71600E+01	0.33822E-06		
0.85300E+01	0.46836E-06		
0.99000E+01	0.81182E-06		
0.11270E+02	0.96415E-06		
0.12640E+02	0.99632E-06		
0.14010E+02	0.99980E-06		
0.15380E+02	0.10000E-05		
0.16750E+02	0.10000E-05		
0.18120E+02	0.10000E-05		
0.19490E+02	0.10000E-05		
0.20860E+02	0.10000E-05		
0.22230E+02	0.10000E-05		
0.23600E+02	0.10000E-05		
0.24970E+02	0.10000E-05		
0.26340E+02	0.10000E-05		
0.27710E+02	0.10000E-05		
0.29080E+02	0.10000E-05		
0.30450E+02	0.10000E-05		

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.77844E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88142E+00	
	0.91500E+00	0.80473E+00	
	0.12200E+01	0.71949E+00	
	0.15250E+01	0.62896E+00	
	0.18300E+01	0.53674E+00	
	0.21350E+01	0.44639E+00	
	0.24400E+01	0.36097E+00	
	0.27450E+01	0.28275E+00	
	0.30500E+01	0.21292E+00	
	0.44200E+01	0.39312E-01	
	0.57900E+01	0.36088E-02	
	0.71600E+01	0.16680E-03	
	0.85300E+01	0.43115E-05	
	0.99000E+01	0.71412E-06	
	0.11270E+02	0.87707E-06	
	0.12640E+02	0.97113E-06	

0.30500E+00	0.95499E+00		
0.61000E+00	0.89918E+00		
0.91500E+00	0.83357E+00		
0.12200E+01	0.75972E+00		
0.15250E+01	0.67970E+00		
0.18300E+01	0.59600E+00		
0.21350E+01	0.51122E+00		
0.24400E+01	0.42768E+00		
0.27450E+01	0.34719E+00		
0.30500E+01	0.27107E+00		
0.44200E+01	0.61935E-01		
0.57900E+01	0.82833E-02		
0.71600E+01	0.61670E-03		
0.85300E+01	0.27169E-04		
0.99000E+01	0.19510E-05		
0.11270E+02	0.50157E-06		
0.12640E+02	0.94365E-06		
0.14010E+02	0.98674E-06		
0.15380E+02	0.99785E-06		
0.16750E+02	0.99975E-06		
0.18120E+02	0.99998E-06		
0.19490E+02	0.10000E-05		
0.20860E+02	0.10000E-05		
0.22230E+02	0.10000E-05		
0.23600E+02	0.10000E-05		
0.24970E+02	0.10000E-05		
0.26340E+02	0.10000E-05		
0.27710E+02	0.10000E-05		
0.29080E+02	0.10000E-05		
0.30450E+02	0.10000E-05		

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.0000E+00	0.1000E+01	0.89466E+00
	0.30500E+00	0.95661E+00	
	0.61000E+00	0.90338E+00	
	0.91500E+00	0.80003E+00	
	0.12200E+01	0.77045E+00	
	0.15250E+01	0.69368E+00	
	0.18300E+01	0.61278E+00	
	0.21350E+01	0.53005E+00	
	0.24400E+01	0.44754E+00	
	0.27450E+01	0.36675E+00	
	0.30500E+01	0.28879E+00	
	0.44200E+01	0.70291E-01	
	0.57900E+01	0.10397E-01	
	0.71600E+01	0.88901E-03	
	0.85300E+01	0.46195E-04	
	0.99000E+01	0.29784E-05	
	0.11270E+02	0.10072E-05	
	0.12640E+02	0.94173E-06	
	0.14010E+02	0.98182E-06	
	0.15380E+02	0.99651E-06	
	0.16750E+02	0.99952E-06	

0.14010E+02	0.99563E-06		
0.15380E+02	0.99957E-06		
0.16750E+02	0.99997E-06		
0.18120E+02	0.10000E-05		
0.19490E+02	0.10000E-05		
0.20860E+02	0.10000E-05		
0.22230E+02	0.10000E-05		
0.23600E+02	0.10000E-05		
0.24970E+02	0.10000E-05		
0.26340E+02	0.10000E-05		
0.27710E+02	0.10000E-05		
0.29080E+02	0.10000E-05		
0.30450E+02	0.10000E-05		

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.0000E+00	0.1000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.89076E+00	
	0.91500E+00	0.81997E+00	
	0.12200E+01	0.74077E+00	
	0.15250E+01	0.65573E+00	
	0.18300E+01	0.56788E+00	
	0.21350E+01	0.48027E+00	
	0.24400E+01	0.39561E+00	
	0.27450E+01	0.31584E+00	
	0.30500E+01	0.24215E+00	
	0.44200E+01	0.49964E-01	
	0.57900E+01	0.56511E-02	
	0.71600E+01	0.33689E-03	
	0.85300E+01	0.11602E-04	
	0.99000E+01	0.10718E-05	
	0.11270E+02	0.85770E-06	
	0.12640E+02	0.95735E-06	
	0.14010E+02	0.99188E-06	
	0.15380E+02	0.99895E-06	
	0.16750E+02	0.99991E-06	
	0.18120E+02	0.99999E-06	
	0.19490E+02	0.10000E-05	
	0.20860E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.0000E+00	0.1000E+01	0.86564E+00

0.18120E+02	0.99995E-06		
0.19490E+02	0.10000E-05		
0.20860E+02	0.10000E-05		
0.22230E+02	0.10000E-05		
0.23600E+02	0.10000E-05		
0.24970E+02	0.10000E-05		
0.26340E+02	0.10000E-05		
0.27710E+02	0.10000E-05		
0.29080E+02	0.10000E-05		
0.30450E+02	0.10000E-05		

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.1000E+01	0.90961E+00
	0.30500E+00	0.95638E+00	
	0.61000E+00	0.90408E+00	
	0.91500E+00	0.84313E+00	
	0.12200E+01	0.77437E+00	
	0.15250E+01	0.69933E+00	
	0.18300E+01	0.61999E+00	
	0.21350E+01	0.53843E+00	
	0.24400E+01	0.45655E+00	
	0.27450E+01	0.37553E+00	
	0.30500E+01	0.29588E+00	
	0.44200E+01	0.74304E-01	
	0.57900E+01	0.11604E-01	
	0.71600E+01	0.10705E-02	
	0.85300E+01	0.61453E-04	
	0.99000E+01	0.40415E-05	
	0.11270E+02	0.11303E-05	
	0.12640E+02	0.95115E-06	
	0.14010E+02	0.97890E-06	
	0.15380E+02	0.99527E-06	
	0.16750E+02	0.99925E-06	
	0.18120E+02	0.99991E-06	
	0.19490E+02	0.99999E-06	
	0.20860E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.91055E+00
	0.30500E+00	0.95391E+00	
	0.61000E+00	0.90140E+00	
	0.91500E+00	0.84056E+00	

0.12200E+01 0.77207E+00
 0.15250E+01 0.69742E+00
 0.18300E+01 0.61849E+00
 0.21350E+01 0.53729E+00
 0.24400E+01 0.45555E+00
 0.27450E+01 0.37430E+00
 0.30500E+01 0.29224E+00
 0.44200E+01 0.74260E-01
 0.57900E+01 0.11757E-01
 0.71600E+01 0.11122E-02
 0.85300E+01 0.66752E-04
 0.99000E+01 0.45718E-05
 0.11270E+02 0.12089E-05
 0.12640E+02 0.96187E-06
 0.14010E+02 0.97824E-06
 0.15380E+02 0.99458E-06
 0.16750E+02 0.99907E-06
 0.18120E+02 0.99988E-06
 0.19490E+02 0.99999E-06
 0.20860E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.91571E+00
	0.3050E+00	0.9485E+00	
	0.6100E+00	0.8935E+00	
	0.9150E+00	0.8325E+00	
	0.1220E+01	0.7652E+00	
	0.1525E+01	0.6922E+00	
	0.1830E+01	0.6150E+00	
	0.2135E+01	0.5352E+00	
	0.2440E+01	0.4540E+00	
	0.2745E+01	0.3725E+00	
	0.3050E+01	0.2925E+00	
	0.4420E+01	0.7879E-01	
	0.5790E+01	0.1347E-01	
	0.7160E+01	0.1425E-02	
	0.8530E+01	0.9794E-04	
	0.9900E+01	0.6835E-05	
	0.11270E+02	0.1440E-05	
	0.12640E+02	0.9923E-06	
	0.14010E+02	0.9782E-06	
	0.15380E+02	0.9931E-06	
	0.16750E+02	0.9986E-06	
	0.18120E+02	0.9997E-06	
	0.19490E+02	0.9998E-06	
	0.20860E+02	0.1000E-05	

0.21350E+01 0.53012E+00
 0.24400E+01 0.45113E+00
 0.27450E+01 0.37209E+00
 0.30500E+01 0.29515E+00
 0.44200E+01 0.87024E-01
 0.57900E+01 0.17062E-01
 0.71600E+01 0.21825E-02
 0.85300E+01 0.18857E-03
 0.99000E+01 0.14490E-04
 0.11270E+02 0.22198E-05
 0.12640E+02 0.11086E-05
 0.14010E+02 0.99014E-06
 0.15380E+02 0.99144E-06
 0.16750E+02 0.99751E-06
 0.18120E+02 0.99951E-06
 0.19490E+02 0.99993E-06
 0.20860E+02 0.99999E-06
 0.22230E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.93353E+00
	0.3050E+00	0.9405E+00	
	0.6100E+00	0.8796E+00	
	0.9150E+00	0.8160E+00	
	0.1220E+01	0.7489E+00	
	0.1525E+01	0.6781E+00	
	0.1830E+01	0.6041E+00	
	0.2135E+01	0.5276E+00	
	0.2440E+01	0.4499E+00	
	0.2745E+01	0.3722E+00	
	0.3050E+01	0.2967E+00	
	0.4420E+01	0.9084E-01	
	0.5790E+01	0.1890E-01	
	0.7160E+01	0.2624E-02	
	0.8530E+01	0.2501E-03	
	0.9900E+01	0.2044E-04	
	0.11270E+02	0.2833E-05	
	0.12640E+02	0.1203E-05	
	0.14010E+02	0.1004E-05	
	0.15380E+02	0.9920E-06	
	0.16750E+02	0.9970E-06	
	0.18120E+02	0.9993E-06	
	0.19490E+02	0.9998E-06	
	0.20860E+02	0.9999E-06	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	

0.22230E+02 0.10000E-05
 0.23600E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.92135E+00
	0.3050E+00	0.9451E+00	
	0.6100E+00	0.8877E+00	
	0.9150E+00	0.8259E+00	
	0.1220E+01	0.7590E+00	
	0.1525E+01	0.6872E+00	
	0.1830E+01	0.6113E+00	
	0.2135E+01	0.5327E+00	
	0.2440E+01	0.4525E+00	
	0.2745E+01	0.3721E+00	
	0.3050E+01	0.2937E+00	
	0.4420E+01	0.8302E-01	
	0.5790E+01	0.1524E-01	
	0.7160E+01	0.1782E-02	
	0.8530E+01	0.1381E-03	
	0.9900E+01	0.1005E-04	
	0.11270E+02	0.1767E-05	
	0.12640E+02	0.1039E-05	
	0.14010E+02	0.9818E-06	
	0.15380E+02	0.9919E-06	
	0.16750E+02	0.9980E-06	
	0.18120E+02	0.9997E-06	
	0.19490E+02	0.9999E-06	
	0.20860E+02	0.10000E-05	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.92731E+00
	0.3050E+00	0.9425E+00	
	0.6100E+00	0.8832E+00	
	0.9150E+00	0.8205E+00	
	0.1220E+01	0.7536E+00	
	0.1525E+01	0.6824E+00	
	0.1830E+01	0.6076E+00	

0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.93994E+00
	0.3050E+00	0.9393E+00	
	0.6100E+00	0.8766E+00	
	0.9150E+00	0.8121E+00	
	0.1220E+01	0.7447E+00	
	0.1525E+01	0.6742E+00	
	0.1830E+01	0.6009E+00	
	0.2135E+01	0.5254E+00	
	0.2440E+01	0.4488E+00	
	0.2745E+01	0.3725E+00	
	0.3050E+01	0.2983E+00	
	0.4420E+01	0.9451E-01	
	0.5790E+01	0.2077E-01	
	0.7160E+01	0.3105E-02	
	0.8530E+01	0.3239E-03	
	0.9900E+01	0.2822E-04	
	0.11270E+02	0.3655E-05	
	0.12640E+02	0.1329E-05	
	0.14010E+02	0.1026E-05	
	0.15380E+02	0.9941E-06	
	0.16750E+02	0.9968E-06	
	0.18120E+02	0.9991E-06	
	0.19490E+02	0.9997E-06	
	0.20860E+02	0.9999E-06	
	0.22230E+02	0.10000E-05	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.1000E+01	0.94652E+00
	0.3050E+00	0.9375E+00	
	0.6100E+00	0.8741E+00	
	0.9150E+00	0.8088E+00	
	0.1220E+01	0.7411E+00	
	0.1525E+01	0.6708E+00	
	0.1830E+01	0.5980E+00	
	0.2135E+01	0.5234E+00	
	0.2440E+01	0.4480E+00	
	0.2745E+01	0.3728E+00	

0.30500E+01 0.29994E+00
 0.44200E+01 0.98052E-01
 0.57900E+01 0.22647E-01
 0.71600E+01 0.36584E-02
 0.85300E+01 0.41055E-03
 0.99000E+01 0.38187E-04
 0.11270E+02 0.47381E-05
 0.12640E+02 0.14942E-05
 0.14010E+02 0.10568E-05
 0.15380E+02 0.99842E-06
 0.16750E+02 0.99667E-06
 0.18120E+02 0.99889E-06
 0.19490E+02 0.99975E-06
 0.20860E+02 0.99996E-06
 0.22230E+02 0.99999E-06
 0.23600E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.1000E+01	0.95324E+00
	0.3050E+00	0.93637E+00	
	0.6100E+00	0.87195E+00	
	0.9150E+00	0.80601E+00	
	0.1220E+01	0.73802E+00	
	0.1525E+01	0.66779E+00	
	0.1830E+01	0.59551E+00	
	0.2135E+01	0.52174E+00	
	0.2440E+01	0.44730E+00	
	0.2745E+01	0.37333E+00	
	0.3050E+01	0.30156E+00	
	0.4420E+01	0.10147E+00	
	0.5790E+01	0.24531E-01	
	0.7160E+01	0.41811E-02	
	0.8530E+01	0.51080E-03	
	0.9900E+01	0.50669E-04	
	0.11270E+02	0.61471E-05	
	0.12640E+02	0.17063E-05	
	0.14010E+02	0.10980E-05	
	0.15380E+02	0.10053E-05	
	0.16750E+02	0.99716E-06	
	0.18120E+02	0.99872E-06	
	0.19490E+02	0.99967E-06	
	0.20860E+02	0.99994E-06	
	0.22230E+02	0.99999E-06	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	

0.71600E+01 0.53918E-02
 0.85300E+01 0.75406E-03
 0.99000E+01 0.84629E-04
 0.11270E+02 0.10244E-04
 0.12640E+02 0.23154E-05
 0.14010E+02 0.12199E-05
 0.15380E+02 0.10295E-05
 0.16750E+02 0.10005E-05
 0.18120E+02 0.99873E-06
 0.19490E+02 0.99951E-06
 0.20860E+02 0.99988E-06
 0.22230E+02 0.99998E-06
 0.23600E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.1000E+01	0.97404E+00
	0.3050E+00	0.93372E+00	
	0.6100E+00	0.86704E+00	
	0.9150E+00	0.79952E+00	
	0.1220E+01	0.73083E+00	
	0.1525E+01	0.66087E+00	
	0.1830E+01	0.58979E+00	
	0.2135E+01	0.51801E+00	
	0.2440E+01	0.44617E+00	
	0.2745E+01	0.37515E+00	
	0.3050E+01	0.30638E+00	
	0.4420E+01	0.11109E+00	
	0.5790E+01	0.30193E-01	
	0.7160E+01	0.60426E-02	
	0.8530E+01	0.89776E-03	
	0.9900E+01	0.10681E-03	
	0.11270E+02	0.13106E-04	
	0.12640E+02	0.27395E-05	
	0.14010E+02	0.13052E-05	
	0.15380E+02	0.10483E-05	
	0.16750E+02	0.10039E-05	
	0.18120E+02	0.99905E-06	
	0.19490E+02	0.99946E-06	
	0.20860E+02	0.99985E-06	
	0.22230E+02	0.99997E-06	
	0.23600E+02	0.99999E-06	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 23

0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.1000E+01	0.96007E+00
	0.3050E+00	0.93536E+00	
	0.6100E+00	0.87007E+00	
	0.9150E+00	0.80353E+00	
	0.1220E+01	0.73528E+00	
	0.1525E+01	0.66514E+00	
	0.1830E+01	0.59311E+00	
	0.2135E+01	0.52026E+00	
	0.2440E+01	0.44677E+00	
	0.2745E+01	0.37386E+00	
	0.3050E+01	0.30317E+00	
	0.4420E+01	0.10478E+00	
	0.5790E+01	0.26419E-01	
	0.7160E+01	0.47705E-02	
	0.8530E+01	0.62517E-03	
	0.9900E+01	0.66032E-04	
	0.11270E+02	0.79551E-05	
	0.12640E+02	0.19759E-05	
	0.14010E+02	0.11516E-05	
	0.15380E+02	0.10155E-05	
	0.16750E+02	0.99836E-06	
	0.18120E+02	0.99865E-06	
	0.19490E+02	0.99959E-06	
	0.20860E+02	0.99991E-06	
	0.22230E+02	0.99998E-06	
	0.23600E+02	0.10000E-05	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.96701E+00
	0.3050E+00	0.93448E+00	
	0.6100E+00	0.86845E+00	
	0.9150E+00	0.80138E+00	
	0.1220E+01	0.73289E+00	
	0.1525E+01	0.66285E+00	
	0.1830E+01	0.59141E+00	
	0.2135E+01	0.51902E+00	
	0.2440E+01	0.44639E+00	
	0.2745E+01	0.37447E+00	
	0.3050E+01	0.30478E+00	
	0.4420E+01	0.11663E+00	
	0.5790E+01	0.28307E-01	

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.1000E+01	0.98115E+00
	0.3050E+00	0.93307E+00	
	0.6100E+00	0.86582E+00	
	0.9150E+00	0.79790E+00	
	0.1220E+01	0.72905E+00	
	0.1525E+01	0.65917E+00	
	0.1830E+01	0.58842E+00	
	0.2135E+01	0.51719E+00	
	0.2440E+01	0.44608E+00	
	0.2745E+01	0.37590E+00	
	0.3050E+01	0.30799E+00	
	0.4420E+01	0.11412E+00	
	0.5790E+01	0.32075E-01	
	0.7160E+01	0.67212E-02	
	0.8530E+01	0.10564E-02	
	0.9900E+01	0.13292E-03	
	0.11270E+02	0.16638E-04	
	0.12640E+02	0.32652E-05	
	0.14010E+02	0.14106E-05	
	0.15380E+02	0.10724E-05	
	0.16750E+02	0.10087E-05	
	0.18120E+02	0.99969E-06	
	0.19490E+02	0.99946E-06	
	0.20860E+02	0.99981E-06	
	0.22230E+02	0.99996E-06	
	0.23600E+02	0.99999E-06	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.1000E+01	0.98832E+00
	0.3050E+00	0.93250E+00	
	0.6100E+00	0.86476E+00	
	0.9150E+00	0.79650E+00	
	0.1220E+01	0.72751E+00	
	0.1525E+01	0.65772E+00	
	0.1830E+01	0.58728E+00	
	0.2135E+01	0.51657E+00	
	0.2440E+01	0.44613E+00	
	0.2745E+01	0.37672E+00	
	0.3050E+01	0.30960E+00	
	0.4420E+01	0.11706E+00	
	0.5790E+01	0.33950E-01	
	0.7160E+01	0.74254E-02	
	0.8530E+01	0.12302E-02	
	0.9900E+01	0.16328E-03	

0.11270E+02 0.20948E-04
 0.12640E+02 0.39125E-05
 0.14010E+02 0.15393E-05
 0.15380E+02 0.11028E-05
 0.16750E+02 0.10153E-05
 0.18120E+02 0.10000E-05
 0.19490E+02 0.99999E-06
 0.20860E+02 0.99979E-06
 0.22230E+02 0.99994E-06
 0.23600E+02 0.99999E-06
 0.24970E+02 0.10000E-05
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.9000E+02 0.00000E+00 0.10000E+01 0.10484E+01
 0.30500E+00 0.94394E+00
 0.61000E+00 0.88225E+00
 0.91500E+00 0.81689E+00
 0.12200E+01 0.74936E+00
 0.15250E+01 0.68064E+00
 0.18300E+01 0.61138E+00
 0.21350E+01 0.54212E+00
 0.24400E+01 0.47339E+00
 0.27450E+01 0.40588E+00
 0.30500E+01 0.34045E+00
 0.44200E+01 0.13740E+00
 0.57900E+01 0.44041E-01
 0.71600E+01 0.10983E-01
 0.85300E+01 0.21239E-02
 0.99000E+01 0.32813E-03
 0.11270E+02 0.45189E-04
 0.12640E+02 0.73491E-05
 0.14010E+02 0.21416E-05
 0.15380E+02 0.12373E-05
 0.16750E+02 0.10465E-05
 0.18120E+02 0.10069E-05
 0.19490E+02 0.10004E-05
 0.20860E+02 0.99979E-06
 0.22230E+02 0.99990E-06
 0.23600E+02 0.99999E-06
 0.24970E+02 0.99999E-06
 0.26340E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.29080E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10110E+01
	0.30500E+00	0.93737E+00	
	0.61000E+00	0.87129E+00	
	0.91500E+00	0.80339E+00	
	0.12200E+01	0.73449E+00	
	0.15250E+01	0.66493E+00	
	0.18300E+01	0.59495E+00	
	0.21350E+01	0.52490E+00	
	0.24400E+01	0.45531E+00	
	0.27450E+01	0.38695E+00	
	0.30500E+01	0.32096E+00	
	0.44200E+01	0.12467E+00	
	0.57900E+01	0.37830E-01	
	0.71600E+01	0.87795E-02	
	0.85300E+01	0.15604E-02	
	0.99000E+01	0.22181E-03	
	0.11270E+02	0.29286E-04	
	0.12640E+02	0.51039E-05	
	0.14010E+02	0.17580E-05	
	0.15380E+02	0.11530E-05	
	0.16750E+02	0.10267E-05	
	0.18120E+02	0.10029E-05	
	0.19490E+02	0.99976E-06	
	0.20860E+02	0.99977E-06	
	0.22230E+02	0.99992E-06	
	0.23600E+02	0.99998E-06	
	0.24970E+02	0.10000E-05	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.10999E+01
	0.30500E+00	0.95093E+00	
	0.61000E+00	0.89516E+00	
	0.91500E+00	0.83434E+00	
	0.12200E+01	0.77001E+00	
	0.15250E+01	0.70347E+00	
	0.18300E+01	0.63574E+00	
	0.21350E+01	0.56761E+00	
	0.24400E+01	0.49974E+00	
	0.27450E+01	0.43278E+00	
	0.30500E+01	0.36744E+00	
	0.44200E+01	0.15573E+00	
	0.57900E+01	0.53113E-01	
	0.71600E+01	0.14352E-01	
	0.85300E+01	0.30509E-02	
	0.99000E+01	0.51908E-03	
	0.11270E+02	0.76091E-04	
	0.12640E+02	0.11808E-04	
	0.14010E+02	0.28588E-05	

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
	0.15380E+02	0.13853E-05	
	0.16750E+02	0.10815E-05	
	0.18120E+02	0.10147E-05	
	0.19490E+02	0.10018E-05	
	0.20860E+02	0.99994E-06	
	0.22230E+02	0.99989E-06	
	0.23600E+02	0.99996E-06	
	0.24970E+02	0.99999E-06	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

	0.61000E+00	0.92145E+00	
	0.91500E+00	0.87278E+00	
	0.12200E+01	0.81999E+00	
	0.15250E+01	0.76110E+00	
	0.18300E+01	0.70008E+00	
	0.21350E+01	0.63687E+00	
	0.24400E+01	0.57229E+00	
	0.27450E+01	0.50710E+00	
	0.30500E+01	0.44199E+00	
	0.44200E+01	0.21110E+00	
	0.57900E+01	0.82847E-01	
	0.71600E+01	0.26600E-01	
	0.85300E+01	0.69359E-02	
	0.99000E+01	0.14706E-02	
	0.11270E+02	0.25884E-03	
	0.12640E+02	0.41574E-04	
	0.14010E+02	0.75066E-05	
	0.15380E+02	0.22296E-05	
	0.16750E+02	0.12687E-05	
	0.18120E+02	0.10592E-05	
	0.19490E+02	0.10116E-05	
	0.20860E+02	0.10017E-05	
	0.22230E+02	0.10001E-05	
	0.23600E+02	0.99995E-06	
	0.24970E+02	0.99998E-06	
	0.26340E+02	0.99999E-06	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.11649E+01
	0.30500E+00	0.95774E+00	
	0.61000E+00	0.90852E+00	
	0.91500E+00	0.85349E+00	
	0.12200E+01	0.79394E+00	
	0.15250E+01	0.73111E+00	
	0.18300E+01	0.66612E+00	
	0.21350E+01	0.59991E+00	
	0.24400E+01	0.53272E+00	
	0.27450E+01	0.46691E+00	
	0.30500E+01	0.40152E+00	
	0.44200E+01	0.18016E+00	
	0.57900E+01	0.65744E-01	
	0.71600E+01	0.19347E-01	
	0.85300E+01	0.45490E-02	
	0.99000E+01	0.86125E-03	
	0.11270E+02	0.13734E-03	
	0.12640E+02	0.21158E-04	
	0.14010E+02	0.43125E-05	
	0.15380E+02	0.16292E-05	
	0.16750E+02	0.11454E-05	
	0.18120E+02	0.10298E-05	
	0.19490E+02	0.10049E-05	
	0.20860E+02	0.10004E-05	
	0.22230E+02	0.99992E-06	
	0.23600E+02	0.99995E-06	
	0.24970E+02	0.99998E-06	
	0.26340E+02	0.10000E-05	
	0.27710E+02	0.10000E-05	
	0.29080E+02	0.10000E-05	
	0.30450E+02	0.10000E-05	

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.13345E+01
	0.30500E+00	0.96984E+00	
	0.61000E+00	0.93345E+00	
	0.91500E+00	0.89117E+00	
	0.12200E+01	0.84359E+00	
	0.15250E+01	0.79138E+00	
	0.18300E+01	0.73532E+00	
	0.21350E+01	0.67617E+00	
	0.24400E+01	0.61469E+00	
	0.27450E+01	0.55158E+00	
	0.30500E+01	0.48754E+00	
	0.44200E+01	0.24879E+00	
	0.57900E+01	0.10528E+00	
	0.71600E+01	0.36926E-01	
	0.85300E+01	0.10678E-01	
	0.99000E+01	0.25412E-02	
	0.11270E+02	0.50356E-03	
	0.12640E+02	0.86992E-04	
	0.14010E+02	0.14992E-04	
	0.15380E+02	0.35007E-05	
	0.16750E+02	0.15253E-05	
	0.18120E+02	0.11192E-05	

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.12433E+01
	0.30500E+00	0.96410E+00	

0.19490E+02 0.10259E-05
0.20860E+02 0.10048E-05
0.22230E+02 0.10006E-05
0.23600E+02 0.10000E-05
0.24970E+02 0.99997E-06
0.26340E+02 0.99999E-06
0.27710E+02 0.10000E-05
0.29080E+02 0.10000E-05
0.30450E+02 0.10000E-05

0.15250E+01 0.84744E+00
0.18300E+01 0.80273E+00
0.21350E+01 0.75386E+00
0.24400E+01 0.70124E+00
0.27450E+01 0.64532E+00
0.30500E+01 0.58659E+00
0.44200E+01 0.34301E+00
0.57900E+01 0.16934E+00
0.71600E+01 0.70800E-01
0.85300E+01 0.25034E-01
0.99000E+01 0.74706E-02
0.11270E+02 0.18835E-02
0.12640E+02 0.40551E-03
0.14010E+02 0.77394E-04
0.15380E+02 0.14626E-04
0.16750E+02 0.35732E-05
0.18120E+02 0.15518E-05
0.19490E+02 0.11280E-05
0.20860E+02 0.10293E-05
0.22230E+02 0.10061E-05
0.23600E+02 0.10011E-05
0.24970E+02 0.10001E-05
0.26340E+02 0.10000E-05
0.27710E+02 0.99999E-06
0.29080E+02 0.10000E-05
0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

Table with 4 columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Data for time period 31.

ANALYSIS FOR TIME PERIOD 33

Table with 4 columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Data for time period 33.

ANALYSIS FOR TIME PERIOD 32

Table with 4 columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Data for time period 32.

0.23600E+02 0.10034E-05
0.24970E+02 0.10006E-05
0.26340E+02 0.10001E-05
0.27710E+02 0.10000E-05
0.29080E+02 0.10000E-05
0.30450E+02 0.10000E-05

0.24400E+01 0.81406E+00
0.27450E+01 0.77366E+00
0.30500E+01 0.72862E+00
0.44200E+01 0.51315E+00
0.57900E+01 0.31538E+00
0.71600E+01 0.16902E+00
0.85300E+01 0.78882E-01
0.99000E+01 0.32051E-01
0.11270E+02 0.11334E-01
0.12640E+02 0.34900E-02
0.14010E+02 0.93882E-03
0.15380E+02 0.22318E-03
0.16750E+02 0.48522E-04
0.18120E+02 0.10701E-04
0.19490E+02 0.30431E-05
0.20860E+02 0.14662E-05
0.22230E+02 0.11122E-05
0.23600E+02 0.10269E-05
0.24970E+02 0.10062E-05
0.26340E+02 0.10013E-05
0.27710E+02 0.10002E-05
0.29080E+02 0.10000E-05
0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

Table with 4 columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Data for time period 34.

ANALYSIS FOR TIME PERIOD 36

Table with 4 columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Data for time period 36.

ANALYSIS FOR TIME PERIOD 35

Table with 4 columns: TIME, DEPTH, CONCENTRATION, TOTAL FLUX INTO SOIL. Data for time period 35.

0.27710E+02 0.10009E-05
 0.29080E+02 0.10002E-05
 0.30450E+02 0.10000E-05

COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

ANALYSIS FOR TIME PERIOD 37

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.0000E+00	0.1000E+01	0.23278E+01
	0.30500E+00	0.99277E+00	
	0.61000E+00	0.98351E+00	
	0.91500E+00	0.97196E+00	
	0.12200E+01	0.95786E+00	
	0.15250E+01	0.94094E+00	
	0.18300E+01	0.92096E+00	
	0.21350E+01	0.89767E+00	
	0.24400E+01	0.87086E+00	
	0.27450E+01	0.84035E+00	
	0.30500E+01	0.80601E+00	
	0.44200E+01	0.62627E+00	
	0.57900E+01	0.43549E+00	
	0.71600E+01	0.26969E+00	
	0.85300E+01	0.14819E+00	
	0.99000E+01	0.72139E-01	
	0.11270E+02	0.31093E-01	
	0.12640E+02	0.11863E-01	
	0.14010E+02	0.40089E-02	
	0.15380E+02	0.12023E-02	
	0.16750E+02	0.32218E-03	
	0.18120E+02	0.78649E-04	
	0.19490E+02	0.18514E-04	
	0.20860E+02	0.48955E-05	
	0.22230E+02	0.19045E-05	
	0.23600E+02	0.12212E-05	
	0.24970E+02	0.10550E-05	
	0.26340E+02	0.10134E-05	
	0.27710E+02	0.10031E-05	
	0.29080E+02	0.10007E-05	
	0.30450E+02	0.10002E-05	

```

.....
*
*
* POLLUTE SIMULATION
*
* ANALYSIS COMPLETED
*
* TIME - 11:54:49
* EXECUTION TIME 0: 2
*
*
*.....

```

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS

```

#VAR Existing Expansion Area - EL2SLWK.IN
2      HOLAY :No. of Layers
#      ARE ANY LAYERS FRACTURED?
#      0.018      0.36      0      1.91      3.05      10
#      0.018      0.41      0      1.69      27.4      90
#      NT - Top Boundary Code
#      NB - Base Boundary Code
#      Is there Decay
#      Do you have an initial concentration profile?
#      Is there a variation in velocity within groups?
#      Y      Number of groups of variable data
#      7      Time at which analysis starts
#      5 5      1      T(end), No. Time Steps, CO
#      0      0.00756      0      DCO, DVa, DVb, DQc
#      0      0.9      Va, alpha
#      15 2      1      T(end), No. Time Steps, CO
#      0      0      0      DCO, DVa, DVb, DQc
#      0.0378      0.9      Va, alpha
#      16 1      1      T(end), No. Time Steps, CO
#      0      0      0      DCO, DVa, DVb, DQc
#      0.0378      0.9      Va, alpha
#      19 3      1      T(end), No. Time Steps, CO
#      0      -0.0126      0      DCO, DVa, DVb, DQc
#      0.0378      0.9      Va, alpha
#      20 1      1      T(end), No. Time Steps, CO
#      0      0      0      DCO, DVa, DVb, DQc
#      0      0.9      Va, alpha
#      75 11      1      T(end), No. Time Steps, CO
#      0      0      0      DCO, DVa, DVb, DQc
#      0      0.9      Va, alpha
#      145 14      1      T(end), No. Time Steps, CO
#      0      0.0027      0      DCO, DVa, DVb, DQc
#      0      0.9      Va, alpha
#      Y      Accept default TALBOT parameters?
#      #      Limited number of depths for results

```

```

.....
*
*
* POLLUTEV6 SIMULATION
*
* RUN DATE - 27- 8--
* TIME - 13:12:16
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT (c) R.K. ROWE & J.R. BOOKER 1983-1995
* LICENSED USER: Andrews Environmental Eng. Inc
*
*.....

```

```

.....
#VAR Existing Expansion Area - EL2SLWK.IN
.....

```

THE VARIABLE VELOCITY AND/OR CONCENTRATION OPTION #VAR HAS BEEN USED. NOTE THAT THE ACCURACY OF THE CALCULATIONS WITH THIS OPTION WILL DEPEND ON THE NUMBER OF SUBLAYERS USED

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	90	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

There is no Radioactive or Biological Decay being Considered

THE VARIATION IN PROPERTIES WITH TIME

TIME PERIODS WITH THE SAME SOURCE AND VELOCITY

Period	Start Time	No. of Steps	Time Step	Source Conc.	Rate of change	Height of Leachate	Volume Collected
1	0.0000E+00	1	0.1000E+01	0.1000E+01			
2	0.1000E+01	1	0.1000E+01	0.1000E+01			
3	0.2000E+01	1	0.1000E+01	0.1000E+01			
4	0.3000E+01	1	0.1000E+01	0.1000E+01			
5	0.4000E+01	1	0.1000E+01	0.1000E+01			
6	0.5000E+01	1	0.5000E+01	0.1000E+01			
7	0.1000E+02	1	0.5000E+01	0.1000E+01			
8	0.1500E+02	1	0.1000E+01	0.1000E+01			
9	0.1600E+02	1	0.1000E+01	0.1000E+01			
10	0.1700E+02	1	0.1000E+01	0.1000E+01			
11	0.1800E+02	1	0.1000E+01	0.1000E+01			
12	0.1900E+02	1	0.1000E+01	0.1000E+01			
13	0.2000E+02	1	0.5000E+01	0.1000E+01			
14	0.2500E+02	1	0.5000E+01	0.1000E+01			
15	0.3000E+02	1	0.5000E+01	0.1000E+01			
16	0.3500E+02	1	0.5000E+01	0.1000E+01			
17	0.4000E+02	1	0.5000E+01	0.1000E+01			
18	0.4500E+02	1	0.5000E+01	0.1000E+01			
19	0.5000E+02	1	0.5000E+01	0.1000E+01			
20	0.5500E+02	1	0.5000E+01	0.1000E+01			
21	0.6000E+02	1	0.5000E+01	0.1000E+01			
22	0.6500E+02	1	0.5000E+01	0.1000E+01			
23	0.7000E+02	1	0.5000E+01	0.1000E+01			
24	0.7500E+02	1	0.5000E+01	0.1000E+01			
25	0.8000E+02	1	0.5000E+01	0.1000E+01			
26	0.8500E+02	1	0.5000E+01	0.1000E+01			
27	0.9000E+02	1	0.5000E+01	0.1000E+01			
28	0.9500E+02	1	0.5000E+01	0.1000E+01			
29	0.1000E+03	1	0.5000E+01	0.1000E+01			
30	0.1050E+03	1	0.5000E+01	0.1000E+01			
31	0.1100E+03	1	0.5000E+01	0.1000E+01			
32	0.1150E+03	1	0.5000E+01	0.1000E+01			
33	0.1200E+03	1	0.5000E+01	0.1000E+01			
34	0.1250E+03	1	0.5000E+01	0.1000E+01			
35	0.1300E+03	1	0.5000E+01	0.1000E+01			
36	0.1350E+03	1	0.5000E+01	0.1000E+01			
37	0.1400E+03	1	0.5000E+01	0.1000E+01			

8	0.1500E+02	0.1600E+02	0.3780E-01	0.9000E+00
9	0.1600E+02	0.1700E+02	0.3780E-01	0.9000E+00
10	0.1700E+02	0.1800E+02	0.2520E-01	0.9000E+00
11	0.1800E+02	0.1900E+02	0.1260E-01	0.9000E+00
12	0.1900E+02	0.2000E+02	0.0000E+00	0.9000E+00
13	0.2000E+02	0.2500E+02	0.0000E+00	0.9000E+00
14	0.2500E+02	0.3000E+02	0.0000E+00	0.9000E+00
15	0.3000E+02	0.3500E+02	0.0000E+00	0.9000E+00
16	0.3500E+02	0.4000E+02	0.0000E+00	0.9000E+00
17	0.4000E+02	0.4500E+02	0.0000E+00	0.9000E+00
18	0.4500E+02	0.5000E+02	0.0000E+00	0.9000E+00
19	0.5000E+02	0.5500E+02	0.0000E+00	0.9000E+00
20	0.5500E+02	0.6000E+02	0.0000E+00	0.9000E+00
21	0.6000E+02	0.6500E+02	0.0000E+00	0.9000E+00
22	0.6500E+02	0.7000E+02	0.0000E+00	0.9000E+00
23	0.7000E+02	0.7500E+02	0.0000E+00	0.9000E+00
24	0.7500E+02	0.8000E+02	0.0000E+00	0.9000E+00
25	0.8000E+02	0.8500E+02	0.2700E-02	0.9000E+00
26	0.8500E+02	0.9000E+02	0.5400E-02	0.9000E+00
27	0.9000E+02	0.9500E+02	0.8100E-02	0.9000E+00
28	0.9500E+02	0.1000E+03	0.1080E-01	0.9000E+00
29	0.1000E+03	0.1050E+03	0.1350E-01	0.9000E+00
30	0.1050E+03	0.1100E+03	0.1620E-01	0.9000E+00
31	0.1100E+03	0.1150E+03	0.1890E-01	0.9000E+00
32	0.1150E+03	0.1200E+03	0.2160E-01	0.9000E+00
33	0.1200E+03	0.1250E+03	0.2430E-01	0.9000E+00
34	0.1250E+03	0.1300E+03	0.2700E-01	0.9000E+00
35	0.1300E+03	0.1350E+03	0.2970E-01	0.9000E+00
36	0.1350E+03	0.1400E+03	0.3240E-01	0.9000E+00
37	0.1400E+03	0.1450E+03	0.3510E-01	0.9000E+00

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RIU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

ANALYSIS FOR TIME PERIOD 1

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+01	0.0000E+00	0.1000E+01	0.54500E-01
	0.30500E+00	0.10795E+00	
	0.61000E+00	0.13045E-02	
	0.91500E+00	0.14179E-05	
	0.12200E+01	0.12828E-09	
	0.15250E+01	0.37175E-13	
	0.18300E+01	0.10920E-14	
	0.21350E+01	0.16809E-16	
	0.24400E+01	0.12487E-18	
	0.27450E+01	0.41716E-21	
	0.30500E+01	0.53852E-24	
	0.33544E+01	0.29555E-27	

Period	Start Time	End Time	Darcy Velocity (flux)	Dispersivity	Base Velocity (flux)
1	0.0000E+00	0.1000E+01	0.0000E+00	0.9000E+00	
2	0.1000E+01	0.2000E+01	0.7560E-02	0.9000E+00	
3	0.2000E+01	0.3000E+01	0.1512E-01	0.9000E+00	
4	0.3000E+01	0.4000E+01	0.2268E-01	0.9000E+00	
5	0.4000E+01	0.5000E+01	0.3024E-01	0.9000E+00	
6	0.5000E+01	0.1000E+02	0.3780E-01	0.9000E+00	
7	0.1000E+02	0.1500E+02	0.3780E-01	0.9000E+00	

0.36589E+01	0.26554E-30		
0.39633E+01	0.22627E-32		
0.42678E+01	0.15219E-34		
0.45722E+01	0.63755E-37		
0.48767E+01	0.16077E-39		
0.51811E+01	0.23723E-42		
0.54856E+01	0.22763E-45		
0.57900E+01	0.42328E-48		
0.60944E+01	0.00000E+00		
0.63989E+01	0.00000E+00		
0.67033E+01	0.00000E+00		
0.70078E+01	0.00000E+00		
0.73122E+01	0.00000E+00		
0.76167E+01	0.00000E+00		
0.79211E+01	0.00000E+00		
0.82256E+01	0.00000E+00		
0.85300E+01	0.00000E+00		
0.88344E+01	0.00000E+00		
0.91389E+01	0.00000E+00		
0.94433E+01	0.00000E+00		
0.97478E+01	0.00000E+00		
0.10052E+02	0.00000E+00		
0.10357E+02	0.00000E+00		
0.10661E+02	0.00000E+00		
0.10966E+02	0.00000E+00		
0.11270E+02	0.00000E+00		
0.11574E+02	0.00000E+00		
0.11879E+02	0.00000E+00		
0.12183E+02	0.00000E+00		
0.12488E+02	0.00000E+00		
0.12792E+02	0.00000E+00		
0.13097E+02	0.00000E+00		
0.13401E+02	0.00000E+00		
0.13706E+02	0.00000E+00		
0.14010E+02	0.00000E+00		
0.14314E+02	0.00000E+00		
0.14619E+02	0.00000E+00		
0.14923E+02	0.00000E+00		
0.15228E+02	0.00000E+00		
0.15532E+02	0.00000E+00		
0.15837E+02	0.00000E+00		
0.16141E+02	0.00000E+00		
0.16446E+02	0.00000E+00		
0.16750E+02	0.00000E+00		
0.17054E+02	0.00000E+00		
0.17359E+02	0.00000E+00		
0.17663E+02	0.00000E+00		
0.17968E+02	0.00000E+00		
0.18272E+02	0.00000E+00		
0.18577E+02	0.00000E+00		
0.18881E+02	0.00000E+00		
0.19186E+02	0.00000E+00		
0.19490E+02	0.00000E+00		
0.19794E+02	0.00000E+00		
0.20099E+02	0.00000E+00		
0.20403E+02	0.00000E+00		
0.20708E+02	0.00000E+00		

ANALYSIS FOR TIME PERIOD 2

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+01	0.0000E+00	0.1000E+01	0.10476E+00
	0.30500E+00	0.36714E+00	
	0.61000E+00	0.67472E-01	
	0.91500E+00	0.59857E-02	
	0.12200E+01	0.24860E-03	
	0.15250E+01	0.46874E-05	
	0.18300E+01	0.39410E-07	
	0.21350E+01	0.14586E-09	
	0.24400E+01	0.25904E-12	
	0.27450E+01	0.25170E-14	
	0.30500E+01	0.16902E-15	
	0.33544E+01	0.86090E-17	
	0.36589E+01	0.31703E-18	
	0.39633E+01	0.17285E-19	
	0.42678E+01	0.13425E-17	
	0.45722E+01	0.25359E-14	
	0.48767E+01	0.13827E-11	
	0.51811E+01	0.20762E-09	
	0.54856E+01	0.88250E-08	

0.57900E+01 0.11208E-06
 0.60944E+01 0.47678E-06
 0.63989E+01 0.86414E-06
 0.67033E+01 0.98798E-06
 0.70078E+01 0.99968E-06
 0.73122E+01 0.10000E-05
 0.76167E+01 0.10000E-05
 0.79211E+01 0.10000E-05
 0.82256E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.88344E+01 0.10000E-05
 0.91389E+01 0.10000E-05
 0.94433E+01 0.10000E-05
 0.97478E+01 0.10000E-05
 0.10052E+02 0.10000E-05
 0.10357E+02 0.10000E-05
 0.10661E+02 0.10000E-05
 0.10966E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11574E+02 0.10000E-05
 0.11879E+02 0.10000E-05
 0.12183E+02 0.10000E-05
 0.12488E+02 0.10000E-05
 0.12792E+02 0.10000E-05
 0.13097E+02 0.10000E-05
 0.13401E+02 0.10000E-05
 0.13706E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14314E+02 0.10000E-05
 0.14619E+02 0.10000E-05
 0.14923E+02 0.10000E-05
 0.15228E+02 0.10000E-05
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05

0.79211E+01 0.99998E-06
 0.82256E+01 0.10000E-05
 0.85300E+01 0.10000E-05
 0.88344E+01 0.10000E-05
 0.91389E+01 0.10000E-05
 0.94433E+01 0.10000E-05
 0.97478E+01 0.10000E-05
 0.10052E+02 0.10000E-05
 0.10357E+02 0.10000E-05
 0.10661E+02 0.10000E-05
 0.10966E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11574E+02 0.10000E-05
 0.11879E+02 0.10000E-05
 0.12183E+02 0.10000E-05
 0.12488E+02 0.10000E-05
 0.12792E+02 0.10000E-05
 0.13097E+02 0.10000E-05
 0.13401E+02 0.10000E-05
 0.13706E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14314E+02 0.10000E-05
 0.14619E+02 0.10000E-05
 0.14923E+02 0.10000E-05
 0.15228E+02 0.10000E-05
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05

0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 3

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+01	0.00000E+00	0.10000E+01	0.15722E+00
	0.30500E+00	0.55442E+00	
	0.61000E+00	0.22053E+00	
	0.91500E+00	0.61633E-01	
	0.12200E+01	0.11926E-01	
	0.15250E+01	0.15779E-02	
	0.18300E+01	0.14151E-03	
	0.21350E+01	0.85531E-05	
	0.24400E+01	0.34683E-06	
	0.27450E+01	0.9391E-08	
	0.30500E+01	0.16237E-09	
	0.3354E+01	0.15971E-11	
	0.36589E+01	0.12380E-13	
	0.39633E+01	0.61513E-13	
	0.42678E+01	0.25942E-11	
	0.45722E+01	0.65388E-10	
	0.48767E+01	0.98826E-09	
	0.51811E+01	0.90513E-08	
	0.54856E+01	0.51058E-07	
	0.57900E+01	0.18203E-06	
	0.60944E+01	0.42744E-06	
	0.63989E+01	0.10510E-06	
	0.67033E+01	0.89583E-06	
	0.70078E+01	0.97581E-06	
	0.73122E+01	0.99640E-06	
	0.76167E+01	0.99966E-06	

0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 4

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+01	0.00000E+00	0.10000E+01	0.21292E+00
	0.30500E+00	0.67567E+00	
	0.61000E+00	0.37700E+00	
	0.91500E+00	0.17147E+00	
	0.12200E+01	0.62969E-01	
	0.15250E+01	0.18524E-01	
	0.18300E+01	0.43396E-02	
	0.21350E+01	0.80628E-03	
	0.24400E+01	0.11845E-03	
	0.27450E+01	0.13722E-04	
	0.30500E+01	0.12011E-05	
	0.33544E+01	0.74702E-07	
	0.36589E+01	0.35629E-08	
	0.39633E+01	0.15340E-09	
	0.42678E+01	0.21626E-09	
	0.45722E+01	0.14497E-08	
	0.48767E+01	0.74839E-08	
	0.51811E+01	0.29454E-07	
	0.54856E+01	0.89219E-07	
	0.57900E+01	0.21086E-06	
	0.60944E+01	0.39638E-06	
	0.63989E+01	0.60886E-06	
	0.67033E+01	0.79207E-06	
	0.70078E+01	0.91133E-06	
	0.73122E+01	0.97011E-06	
	0.76167E+01	0.99212E-06	
	0.79211E+01	0.99638E-06	
	0.82256E+01	0.99974E-06	
	0.85300E+01	0.99997E-06	
	0.88344E+01	0.10000E-05	
	0.91389E+01	0.10000E-05	
	0.94433E+01	0.10000E-05	
	0.97478E+01	0.10000E-05	

0.10052E+02 0.10000E-05
 0.10357E+02 0.10000E-05
 0.10661E+02 0.10000E-05
 0.10966E+02 0.10000E-05
 0.11270E+02 0.10000E-05
 0.11574E+02 0.10000E-05
 0.11879E+02 0.10000E-05
 0.12183E+02 0.10000E-05
 0.12488E+02 0.10000E-05
 0.12792E+02 0.10000E-05
 0.13097E+02 0.10000E-05
 0.13401E+02 0.10000E-05
 0.13706E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14314E+02 0.10000E-05
 0.14619E+02 0.10000E-05
 0.14923E+02 0.10000E-05
 0.15228E+02 0.10000E-05
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05

0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 5

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.27249E+00
	0.3050E+00	0.75689E+00	
	0.6100E+00	0.50676E+00	
	0.9150E+00	0.29752E+00	
	0.1220E+01	0.15215E+00	
	0.15250E+01	0.67396E-01	
	0.18300E+01	0.25747E-01	
	0.21350E+01	0.84554E-02	
	0.24400E+01	0.23811E-02	
	0.27450E+01	0.57332E-03	
	0.30500E+01	0.11361E-03	
	0.33544E+01	0.18002E-04	
	0.36589E+01	0.23903E-05	
	0.39633E+01	0.26610E-06	
	0.42678E+01	0.26347E-07	
	0.45722E+01	0.79149E-08	
	0.48767E+01	0.19051E-07	
	0.51811E+01	0.50538E-07	
	0.54856E+01	0.11439E-06	
	0.57900E+01	0.22123E-06	
	0.60944E+01	0.36941E-06	
	0.63989E+01	0.53991E-06	
	0.67033E+01	0.70289E-06	
	0.70078E+01	0.83250E-06	
	0.73122E+01	0.91838E-06	
	0.76167E+01	0.96587E-06	
	0.79211E+01	0.98781E-06	
	0.82256E+01	0.99630E-06	
	0.85300E+01	0.99905E-06	
	0.88344E+01	0.99979E-06	
	0.91389E+01	0.99966E-06	
	0.94433E+01	0.99999E-06	
	0.97478E+01	0.10000E-05	
	0.10052E+02	0.10000E-05	
	0.10357E+02	0.10000E-05	
	0.10661E+02	0.10000E-05	
	0.10966E+02	0.10000E-05	
	0.11270E+02	0.10000E-05	
	0.11574E+02	0.10000E-05	
	0.11879E+02	0.10000E-05	

0.12183E+02 0.10000E-05
 0.12488E+02 0.10000E-05
 0.12792E+02 0.10000E-05
 0.13097E+02 0.10000E-05
 0.13401E+02 0.10000E-05
 0.13706E+02 0.10000E-05
 0.14010E+02 0.10000E-05
 0.14314E+02 0.10000E-05
 0.14619E+02 0.10000E-05
 0.14923E+02 0.10000E-05
 0.15228E+02 0.10000E-05
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05

0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 6

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.54840E+00
	0.3050E+00	0.90783E+00	
	0.6100E+00	0.79697E+00	
	0.9150E+00	0.67430E+00	
	0.1220E+01	0.54829E+00	
	0.15250E+01	0.42743E+00	
	0.18300E+01	0.31881E+00	
	0.21350E+01	0.22709E+00	
	0.24400E+01	0.15411E+00	
	0.27450E+01	0.99144E-01	
	0.30500E+01	0.59536E-01	
	0.33544E+01	0.33619E-01	
	0.36589E+01	0.17948E-01	
	0.39633E+01	0.90540E-02	
	0.42678E+01	0.43135E-02	
	0.45722E+01	0.19401E-02	
	0.48767E+01	0.82349E-03	
	0.51811E+01	0.32980E-03	
	0.54856E+01	0.12465E-03	
	0.57900E+01	0.44541E-04	
	0.60944E+01	0.15165E-04	
	0.63989E+01	0.50807E-05	
	0.67033E+01	0.18726E-05	
	0.70078E+01	0.96153E-06	
	0.73122E+01	0.76591E-06	
	0.76167E+01	0.77272E-06	
	0.79211E+01	0.82510E-06	
	0.82256E+01	0.87809E-06	
	0.85300E+01	0.92043E-06	
	0.88344E+01	0.95091E-06	
	0.91389E+01	0.97130E-06	
	0.94433E+01	0.98411E-06	
	0.97478E+01	0.99166E-06	
	0.10052E+02	0.99586E-06	
	0.10357E+02	0.99806E-06	
	0.10661E+02	0.99914E-06	
	0.10966E+02	0.99964E-06	
	0.11270E+02	0.99986E-06	
	0.11574E+02	0.99999E-06	
	0.11879E+02	0.99998E-06	
	0.12183E+02	0.99999E-06	
	0.12488E+02	0.10000E-05	
	0.12792E+02	0.10000E-05	
	0.13097E+02	0.10000E-05	
	0.13401E+02	0.10000E-05	
	0.13706E+02	0.10000E-05	
	0.14010E+02	0.10000E-05	

0.14314E+02	0.10000E-05
0.14619E+02	0.10000E-05
0.14923E+02	0.10000E-05
0.15228E+02	0.10000E-05
0.15532E+02	0.10000E-05
0.15837E+02	0.10000E-05
0.16141E+02	0.10000E-05
0.16446E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17054E+02	0.10000E-05
0.17359E+02	0.10000E-05
0.17663E+02	0.10000E-05
0.17968E+02	0.10000E-05
0.18272E+02	0.10000E-05
0.18577E+02	0.10000E-05
0.18881E+02	0.10000E-05
0.19186E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.19794E+02	0.10000E-05
0.20099E+02	0.10000E-05
0.20403E+02	0.10000E-05
0.20708E+02	0.10000E-05
0.21012E+02	0.10000E-05
0.21317E+02	0.10000E-05
0.21621E+02	0.10000E-05
0.21926E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22534E+02	0.10000E-05
0.22839E+02	0.10000E-05
0.23143E+02	0.10000E-05
0.23448E+02	0.10000E-05
0.23752E+02	0.10000E-05
0.24057E+02	0.10000E-05
0.24361E+02	0.10000E-05
0.24666E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25274E+02	0.10000E-05
0.25579E+02	0.10000E-05
0.25883E+02	0.10000E-05
0.26188E+02	0.10000E-05
0.26492E+02	0.10000E-05
0.26797E+02	0.10000E-05
0.27101E+02	0.10000E-05
0.27406E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28014E+02	0.10000E-05
0.28319E+02	0.10000E-05
0.28623E+02	0.10000E-05
0.28928E+02	0.10000E-05
0.29232E+02	0.10000E-05
0.29537E+02	0.10000E-05
0.29841E+02	0.10000E-05
0.30146E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 7

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.77844E+00
	0.30500E+00	0.94703E+00	
	0.61000E+00	0.88143E+00	
	0.91500E+00	0.80474E+00	
	0.12200E+01	0.71952E+00	
	0.15250E+01	0.62902E+00	
	0.18300E+01	0.53685E+00	
	0.21350E+01	0.44657E+00	
	0.24400E+01	0.36125E+00	
	0.27450E+01	0.28316E+00	
	0.30500E+01	0.21348E+00	
	0.33544E+01	0.15582E+00	
	0.36589E+01	0.11015E+00	
	0.39633E+01	0.75373E-01	
	0.42678E+01	0.49902E-01	
	0.45722E+01	0.31954E-01	
	0.48767E+01	0.19784E-01	
	0.51811E+01	0.11840E-01	
	0.54856E+01	0.68475E-02	
	0.57900E+01	0.38262E-02	
	0.60944E+01	0.20653E-02	
	0.63989E+01	0.10768E-02	
	0.67033E+01	0.54225E-03	
	0.70078E+01	0.26382E-03	
	0.73122E+01	0.12410E-03	
	0.76167E+01	0.56577E-04	
	0.79211E+01	0.25145E-04	
	0.82256E+01	0.11065E-04	
	0.85300E+01	0.50004E-05	
	0.88344E+01	0.24965E-05	
	0.91389E+01	0.15110E-05	
	0.94433E+01	0.11460E-05	
	0.97478E+01	0.10227E-05	
	0.10052E+02	0.98819E-06	
	0.10357E+02	0.98326E-06	
	0.10661E+02	0.98652E-06	
	0.10966E+02	0.99086E-06	
	0.11270E+02	0.99432E-06	
	0.11574E+02	0.99667E-06	
	0.11879E+02	0.99813E-06	
	0.12183E+02	0.99900E-06	
	0.12488E+02	0.99948E-06	
	0.12792E+02	0.99974E-06	
	0.13097E+02	0.99987E-06	
	0.13401E+02	0.99994E-06	
	0.13706E+02	0.99997E-06	
	0.14010E+02	0.99999E-06	
	0.14314E+02	0.99999E-06	
	0.14619E+02	0.10000E-05	
	0.14923E+02	0.10000E-05	
	0.15228E+02	0.10000E-05	
	0.15532E+02	0.10000E-05	
	0.15837E+02	0.10000E-05	
	0.16141E+02	0.10000E-05	

0.16446E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17054E+02	0.10000E-05
0.17359E+02	0.10000E-05
0.17663E+02	0.10000E-05
0.17968E+02	0.10000E-05
0.18272E+02	0.10000E-05
0.18577E+02	0.10000E-05
0.18881E+02	0.10000E-05
0.19186E+02	0.10000E-05
0.19490E+02	0.10000E-05
0.19794E+02	0.10000E-05
0.20099E+02	0.10000E-05
0.20403E+02	0.10000E-05
0.20708E+02	0.10000E-05
0.21012E+02	0.10000E-05
0.21317E+02	0.10000E-05
0.21621E+02	0.10000E-05
0.21926E+02	0.10000E-05
0.22230E+02	0.10000E-05
0.22534E+02	0.10000E-05
0.22839E+02	0.10000E-05
0.23143E+02	0.10000E-05
0.23448E+02	0.10000E-05
0.23752E+02	0.10000E-05
0.24057E+02	0.10000E-05
0.24361E+02	0.10000E-05
0.24666E+02	0.10000E-05
0.24970E+02	0.10000E-05
0.25274E+02	0.10000E-05
0.25579E+02	0.10000E-05
0.25883E+02	0.10000E-05
0.26188E+02	0.10000E-05
0.26492E+02	0.10000E-05
0.26797E+02	0.10000E-05
0.27101E+02	0.10000E-05
0.27406E+02	0.10000E-05
0.27710E+02	0.10000E-05
0.28014E+02	0.10000E-05
0.28319E+02	0.10000E-05
0.28623E+02	0.10000E-05
0.28928E+02	0.10000E-05
0.29232E+02	0.10000E-05
0.29537E+02	0.10000E-05
0.29841E+02	0.10000E-05
0.30146E+02	0.10000E-05
0.30450E+02	0.10000E-05

ANALYSIS FOR TIME PERIOD 8

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1600E+02	0.00000E+00	0.10000E+01	0.82228E+00
	0.30500E+00	0.95119E+00	
	0.61000E+00	0.89077E+00	
	0.91500E+00	0.81999E+00	

0.12200E+01	0.74081E+00
0.15250E+01	0.65580E+00
0.18300E+01	0.56800E+00
0.21350E+01	0.48053E+00
0.24400E+01	0.39624E+00
0.27450E+01	0.31740E+00
0.30500E+01	0.24539E+00
0.33544E+01	0.18427E+00
0.36589E+01	0.13439E+00
0.39633E+01	0.95129E-01
0.42678E+01	0.65326E-01
0.45722E+01	0.43504E-01
0.48767E+01	0.28087E-01
0.51811E+01	0.17575E-01
0.54856E+01	0.10657E-01
0.57900E+01	0.62601E-02
0.60944E+01	0.35619E-02
0.63989E+01	0.19628E-02
0.67033E+01	0.10474E-02
0.70078E+01	0.54128E-03
0.73122E+01	0.27096E-03
0.76167E+01	0.13150E-03
0.79211E+01	0.62001E-04
0.82256E+01	0.28553E-04
0.85300E+01	0.13011E-04
0.88344E+01	0.60395E-05
0.91389E+01	0.30238E-05
0.94433E+01	0.17676E-05
0.97478E+01	0.12662E-05
0.10052E+02	0.10772E-05
0.10357E+02	0.10121E-05
0.10661E+02	0.99360E-06
0.10966E+02	0.99093E-06
0.11270E+02	0.99272E-06
0.11574E+02	0.99509E-06
0.11879E+02	0.99697E-06
0.12183E+02	0.99824E-06
0.12488E+02	0.99902E-06
0.12792E+02	0.99947E-06
0.13097E+02	0.99973E-06
0.13401E+02	0.99986E-06
0.13706E+02	0.99993E-06
0.14010E+02	0.99997E-06
0.14314E+02	0.99999E-06
0.14619E+02	0.10000E-05
0.14923E+02	0.10000E-05
0.15228E+02	0.10000E-05
0.15532E+02	0.10000E-05
0.15837E+02	0.10000E-05
0.16141E+02	0.10000E-05
0.16446E+02	0.10000E-05
0.16750E+02	0.10000E-05
0.17054E+02	0.10000E-05
0.17359E+02	0.10000E-05
0.17663E+02	0.10000E-05
0.17968E+02	0.10000E-05
0.18272E+02	0.10000E-05

0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 9

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1700E+02	0.00000E+00	0.10000E+01	0.86564E+00
0.30500E+00	0.95500E+00		
0.61000E+00	0.89919E+00		
0.91500E+00	0.83360E+00		
0.12200E+01	0.75977E+00		
0.15250E+01	0.67981E+00		
0.18300E+01	0.59624E+00		
0.21350E+01	0.51179E+00		
0.24400E+01	0.42904E+00		
0.27450E+01	0.35017E+00		
0.30500E+01	0.27668E+00		

0.33544E+01 0.21288E+00
 0.36589E+01 0.15946E+00
 0.39633E+01 0.11620E+00
 0.42678E+01 0.82347E-01
 0.45722E+01 0.56723E-01
 0.48767E+01 0.37969E-01
 0.51811E+01 0.24690E-01
 0.54856E+01 0.15594E-01
 0.57900E+01 0.95633E-02
 0.60944E+01 0.56942E-02
 0.63989E+01 0.32912E-02
 0.67033E+01 0.18464E-02
 0.70078E+01 0.10054E-02
 0.73122E+01 0.53132E-03
 0.76167E+01 0.27262E-03
 0.79211E+01 0.13592E-03
 0.82256E+01 0.65985E-04
 0.85300E+01 0.31339E-04
 0.88344E+01 0.14724E-04
 0.91389E+01 0.70091E-05
 0.94433E+01 0.35407E-05
 0.97478E+01 0.20308E-05
 0.10052E+02 0.13954E-05
 0.10357E+02 0.11386E-05
 0.10661E+02 0.10405E-05
 0.10966E+02 0.10063E-05
 0.11270E+02 0.99650E-06
 0.11574E+02 0.99511E-06
 0.11879E+02 0.99609E-06
 0.12183E+02 0.99737E-06
 0.12488E+02 0.99839E-06
 0.12792E+02 0.99907E-06
 0.13097E+02 0.99948E-06
 0.13401E+02 0.99972E-06
 0.13706E+02 0.99986E-06
 0.14010E+02 0.99993E-06
 0.14314E+02 0.99997E-06
 0.14619E+02 0.99998E-06
 0.14923E+02 0.99999E-06
 0.15228E+02 0.10000E-05
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05

0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1800E+02	0.00000E+00	0.10000E+01	0.89466E+00
0.30500E+00	0.95662E+00		
0.61000E+00	0.90339E+00		
0.91500E+00	0.84097E+00		
0.12200E+01	0.77053E+00		
0.15250E+01	0.69386E+00		
0.18300E+01	0.61319E+00		
0.21350E+01	0.53097E+00		
0.24400E+01	0.44958E+00		
0.27450E+01	0.37109E+00		
0.30500E+01	0.29699E+00		
0.33544E+01	0.23200E+00		
0.36589E+01	0.17693E+00		
0.39633E+01	0.13132E+00		
0.42678E+01	0.94912E-01		
0.45722E+01	0.66780E-01		
0.48767E+01	0.45728E-01		
0.51811E+01	0.30465E-01		

0.54856E+01 0.19742E-01
 0.57900E+01 0.12442E-01
 0.60944E+01 0.76241E-02
 0.63989E+01 0.45419E-02
 0.67033E+01 0.26301E-02
 0.70078E+01 0.14804E-02
 0.73122E+01 0.80986E-03
 0.76167E+01 0.43069E-03
 0.79211E+01 0.22274E-03
 0.82256E+01 0.11215E-03
 0.85300E+01 0.55117E-04
 0.88344E+01 0.26591E-04
 0.91389E+01 0.12755E-04
 0.94433E+01 0.62435E-05
 0.97478E+01 0.32685E-05
 0.10052E+02 0.19475E-05
 0.10357E+02 0.13777E-05
 0.10661E+02 0.11402E-05
 0.10966E+02 0.10457E-05
 0.11270E+02 0.10108E-05
 0.11574E+02 0.99555E-06
 0.11879E+02 0.99698E-06
 0.12183E+02 0.99718E-06
 0.12488E+02 0.99799E-06
 0.12792E+02 0.99873E-06
 0.13097E+02 0.99925E-06
 0.13401E+02 0.99958E-06
 0.13706E+02 0.99977E-06
 0.14010E+02 0.99988E-06
 0.14314E+02 0.99994E-06
 0.14619E+02 0.99997E-06
 0.14923E+02 0.99999E-06
 0.15228E+02 0.99999E-06
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05

0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 11

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1900E+02	0.0000E+00	0.1000E+01	0.90960E+00
	0.3050E+00	0.95639E+00	
	0.6100E+00	0.90410E+00	
	0.9150E+00	0.84318E+00	
	0.1220E+01	0.77448E+00	
	0.1525E+01	0.69958E+00	
	0.1830E+01	0.62055E+00	
	0.2135E+01	0.53968E+00	
	0.2440E+01	0.45921E+00	
	0.2745E+01	0.38111E+00	
	0.3050E+01	0.30677E+00	
	0.3354E+01	0.24222E+00	
	0.3658E+01	0.18636E+00	
	0.3963E+01	0.13971E+00	
	0.4267E+01	0.10207E+00	
	0.4572E+01	0.72655E-01	
	0.4876E+01	0.50372E-01	
	0.5181E+01	0.34007E-01	
	0.5485E+01	0.22352E-01	
	0.5790E+01	0.14299E-01	
	0.6094E+01	0.89024E-02	
	0.6398E+01	0.53929E-02	
	0.6703E+01	0.31789E-02	
	0.7007E+01	0.18222E-02	
	0.7312E+01	0.10162E-02	

0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.91055E+00
	0.3050E+00	0.95392E+00	
	0.6100E+00	0.90142E+00	
	0.9150E+00	0.84062E+00	
	0.1220E+01	0.77221E+00	
	0.1525E+01	0.69773E+00	
	0.1830E+01	0.61917E+00	
	0.2135E+01	0.53878E+00	
	0.2440E+01	0.45871E+00	
	0.2745E+01	0.38082E+00	
	0.3050E+01	0.30582E+00	
	0.3354E+01	0.24328E+00	
	0.3658E+01	0.18774E+00	
	0.3963E+01	0.14116E+00	
	0.4267E+01	0.10344E+00	
	0.4572E+01	0.73878E-01	
	0.4876E+01	0.51408E-01	
	0.5181E+01	0.34844E-01	
	0.5485E+01	0.23000E-01	
	0.5790E+01	0.14782E-01	
	0.6094E+01	0.92483E-02	
	0.6398E+01	0.56318E-02	
	0.6703E+01	0.33376E-02	
	0.7007E+01	0.19248E-02	
	0.7312E+01	0.10802E-02	
	0.7617E+01	0.58989E-03	
	0.7921E+01	0.31358E-03	
	0.8225E+01	0.16238E-03	
	0.8530E+01	0.82051E-04	
	0.8834E+01	0.40610E-04	
	0.9138E+01	0.19850E-04	
	0.9443E+01	0.97461E-05	

0.76167E+01 0.55136E-03
 0.79211E+01 0.29111E-03
 0.82256E+01 0.14968E-03
 0.85300E+01 0.75092E-04
 0.88344E+01 0.36905E-04
 0.91389E+01 0.17927E-04
 0.94433E+01 0.87682E-05
 0.97478E+01 0.44717E-05
 0.10052E+02 0.25088E-05
 0.10357E+02 0.16340E-05
 0.10661E+02 0.12539E-05
 0.10966E+02 0.10943E-05
 0.11270E+02 0.10204E-05
 0.11574E+02 0.10069E-05
 0.11879E+02 0.99938E-06
 0.12183E+02 0.99774E-06
 0.12488E+02 0.99796E-06
 0.12792E+02 0.99856E-06
 0.13097E+02 0.99910E-06
 0.13401E+02 0.99947E-06
 0.13706E+02 0.99970E-06
 0.14010E+02 0.99984E-06
 0.14314E+02 0.99992E-06
 0.14619E+02 0.99996E-06
 0.14923E+02 0.99998E-06
 0.15228E+02 0.99999E-06
 0.15532E+02 0.10000E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05

0.97478E+01 0.49622E-05
 0.10052E+02 0.27528E-05
 0.10357E+02 0.17538E-05
 0.10661E+02 0.13112E-05
 0.10966E+02 0.11205E-05
 0.11270E+02 0.10418E-05
 0.11574E+02 0.10115E-05
 0.11879E+02 0.10011E-05
 0.12183E+02 0.99830E-06
 0.12488E+02 0.99808E-06
 0.12792E+02 0.99855E-06
 0.13097E+02 0.99905E-06
 0.13401E+02 0.99943E-06
 0.13706E+02 0.99968E-06
 0.14010E+02 0.99982E-06
 0.14314E+02 0.99991E-06
 0.14619E+02 0.99995E-06
 0.14923E+02 0.99998E-06
 0.15228E+02 0.99999E-06
 0.15532E+02 0.99999E-06
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05

0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.11879E+02 0.10130E-05
 0.12183E+02 0.10027E-05
 0.12488E+02 0.99952E-06
 0.12792E+02 0.99887E-06
 0.13097E+02 0.99902E-06
 0.13401E+02 0.99932E-06
 0.13706E+02 0.99956E-06
 0.14010E+02 0.99975E-06
 0.14314E+02 0.99986E-06
 0.14619E+02 0.99993E-06
 0.14923E+02 0.99996E-06
 0.15228E+02 0.99998E-06
 0.15532E+02 0.99999E-06
 0.15837E+02 0.10000E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 13

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.91571E+00
	0.30500E+00	0.94856E+00	
	0.61000E+00	0.89355E+00	
	0.91500E+00	0.83270E+00	
	0.12200E+01	0.76550E+00	
	0.15250E+01	0.69284E+00	
	0.18300E+01	0.61635E+00	
	0.21350E+01	0.53795E+00	
	0.24400E+01	0.45952E+00	
	0.27450E+01	0.38272E+00	
	0.30500E+01	0.30908E+00	
	0.33544E+01	0.24903E+00	
	0.36589E+01	0.19530E+00	
	0.39633E+01	0.14912E+00	
	0.42678E+01	0.11097E+00	
	0.45722E+01	0.80534E-01	
	0.48767E+01	0.57016E-01	
	0.51811E+01	0.39374E-01	
	0.54856E+01	0.26519E-01	
	0.57900E+01	0.17416E-01	
	0.60944E+01	0.11151E-01	
	0.63989E+01	0.69596E-02	
	0.67033E+01	0.42336E-02	
	0.70078E+01	0.25098E-02	
	0.73122E+01	0.14500E-02	
	0.76167E+01	0.81635E-03	
	0.79211E+01	0.44797E-03	
	0.82256E+01	0.23970E-03	
	0.85300E+01	0.12519E-03	
	0.88344E+01	0.63967E-04	
	0.91389E+01	0.32124E-04	
	0.94433E+01	0.16012E-04	
	0.97478E+01	0.80737E-05	
	0.10052E+02	0.42598E-05	
	0.10357E+02	0.24687E-05	
	0.10661E+02	0.16448E-05	
	0.10966E+02	0.12734E-05	
	0.11270E+02	0.11101E-05	
	0.11574E+02	0.10408E-05	

0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.14010E+02 0.99969E-06
 0.14314E+02 0.99981E-06
 0.14619E+02 0.99989E-06
 0.14923E+02 0.99994E-06
 0.15228E+02 0.99997E-06
 0.15532E+02 0.99998E-06
 0.15837E+02 0.99999E-06
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.92134E+00
	0.30500E+00	0.94516E+00	
	0.61000E+00	0.88784E+00	
	0.91500E+00	0.82622E+00	
	0.12200E+01	0.75957E+00	
	0.15250E+01	0.68829E+00	
	0.18300E+01	0.61353E+00	
	0.21350E+01	0.53689E+00	
	0.24400E+01	0.46012E+00	
	0.27450E+01	0.38493E+00	
	0.30500E+01	0.31299E+00	
	0.33544E+01	0.25445E+00	
	0.36589E+01	0.20191E+00	
	0.39633E+01	0.15629E+00	
	0.42678E+01	0.11802E+00	
	0.45722E+01	0.86969E-01	
	0.48767E+01	0.62566E-01	
	0.51811E+01	0.43948E-01	
	0.54856E+01	0.30143E-01	
	0.57900E+01	0.20186E-01	
	0.60944E+01	0.13196E-01	
	0.63989E+01	0.84204E-02	
	0.67033E+01	0.52439E-02	
	0.70078E+01	0.31870E-02	
	0.73122E+01	0.18900E-02	
	0.76167E+01	0.10937E-02	
	0.79211E+01	0.61762E-03	
	0.82256E+01	0.34045E-03	
	0.85300E+01	0.18330E-03	
	0.88344E+01	0.96522E-04	
	0.91389E+01	0.49851E-04	
	0.94433E+01	0.25399E-04	
	0.97478E+01	0.12913E-04	
	0.10052E+02	0.66927E-05	
	0.10357E+02	0.36649E-05	
	0.10661E+02	0.22217E-05	
	0.10966E+02	0.15469E-05	
	0.11270E+02	0.12374E-05	
	0.11574E+02	0.10987E-05	
	0.11879E+02	0.10384E-05	
	0.12183E+02	0.10134E-05	
	0.12488E+02	0.10037E-05	
	0.12792E+02	0.10003E-05	
	0.13097E+02	0.99944E-06	
	0.13401E+02	0.99937E-06	
	0.13706E+02	0.99952E-06	

ANALYSIS FOR TIME PERIOD 15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.92730E+00
	0.3050E+00	0.9426E+00	
	0.6100E+00	0.8834E+00	
	0.9150E+00	0.8209E+00	
	0.1220E+01	0.7545E+00	
	0.1525E+01	0.6841E+00	
	0.1830E+01	0.6108E+00	
	0.2135E+01	0.5358E+00	
	0.2440E+01	0.4607E+00	
	0.2745E+01	0.3872E+00	
	0.3050E+01	0.3168E+00	
	0.3354E+01	0.2596E+00	
	0.3658E+01	0.2080E+00	
	0.3963E+01	0.1528E+00	
	0.4267E+01	0.1246E+00	
	0.4572E+01	0.9312E-01	
	0.4876E+01	0.6799E-01	
	0.5181E+01	0.4852E-01	
	0.5485E+01	0.3384E-01	
	0.5790E+01	0.2308E-01	
	0.6094E+01	0.1536E-01	
	0.6398E+01	0.1000E-01	
	0.6703E+01	0.6364E-02	
	0.7007E+01	0.3959E-02	
	0.7312E+01	0.2402E-02	
	0.7616E+01	0.1425E-02	
	0.7921E+01	0.8259E-03	
	0.8225E+01	0.4677E-03	
	0.8530E+01	0.2589E-03	
	0.8834E+01	0.1402E-03	
	0.9138E+01	0.7443E-04	
	0.9443E+01	0.3886E-04	
	0.9747E+01	0.2009E-04	
	0.1005E+02	0.1042E-04	
	0.1035E+02	0.5563E-05	
	0.1066E+02	0.3167E-05	
	0.1096E+02	0.2010E-05	
	0.1127E+02	0.1460E-05	
	0.1157E+02	0.1204E-05	
	0.1187E+02	0.1087E-05	
	0.1218E+02	0.1035E-05	
	0.1248E+02	0.1013E-05	
	0.1279E+02	0.1004E-05	
	0.1309E+02	0.1000E-05	
	0.1340E+02	0.9998E-06	
	0.1370E+02	0.9996E-06	
	0.1401E+02	0.9994E-06	
	0.1431E+02	0.9992E-06	
	0.1461E+02	0.9990E-06	
	0.1492E+02	0.9988E-06	
	0.1522E+02	0.9986E-06	
	0.1553E+02	0.9984E-06	
	0.1583E+02	0.9982E-06	

0.1614E+02	0.9999E-06
0.1644E+02	0.1000E-05
0.1675E+02	0.1000E-05
0.1705E+02	0.1000E-05
0.1735E+02	0.1000E-05
0.1766E+02	0.1000E-05
0.1796E+02	0.1000E-05
0.1827E+02	0.1000E-05
0.1857E+02	0.1000E-05
0.1888E+02	0.1000E-05
0.1918E+02	0.1000E-05
0.1949E+02	0.1000E-05
0.1979E+02	0.1000E-05
0.2009E+02	0.1000E-05
0.2040E+02	0.1000E-05
0.2070E+02	0.1000E-05
0.2101E+02	0.1000E-05
0.2131E+02	0.1000E-05
0.2162E+02	0.1000E-05
0.2192E+02	0.1000E-05
0.2223E+02	0.1000E-05
0.2253E+02	0.1000E-05
0.2283E+02	0.1000E-05
0.2314E+02	0.1000E-05
0.2344E+02	0.1000E-05
0.2375E+02	0.1000E-05
0.2405E+02	0.1000E-05
0.2436E+02	0.1000E-05
0.2466E+02	0.1000E-05
0.2497E+02	0.1000E-05
0.2527E+02	0.1000E-05
0.2557E+02	0.1000E-05
0.2588E+02	0.1000E-05
0.2618E+02	0.1000E-05
0.2649E+02	0.1000E-05
0.2679E+02	0.1000E-05
0.2710E+02	0.1000E-05
0.2740E+02	0.1000E-05
0.2771E+02	0.1000E-05
0.2801E+02	0.1000E-05
0.2831E+02	0.1000E-05
0.2862E+02	0.1000E-05
0.2892E+02	0.1000E-05
0.2923E+02	0.1000E-05
0.2953E+02	0.1000E-05
0.2984E+02	0.1000E-05
0.3014E+02	0.1000E-05
0.3045E+02	0.1000E-05

ANALYSIS FOR TIME PERIOD 16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.9335E+00
	0.3050E+00	0.9407E+00	
	0.6100E+00	0.8800E+00	

0.9150E+00	0.8167E+00
0.1250E+01	0.7502E+00
0.1525E+01	0.6806E+00
0.1830E+01	0.6084E+00
0.2135E+01	0.5349E+00
0.2440E+01	0.4614E+00
0.2745E+01	0.3894E+00
0.3050E+01	0.3206E+00
0.3354E+01	0.2644E+00
0.3658E+01	0.2137E+00
0.3963E+01	0.1690E+00
0.4267E+01	0.1308E+00
0.4572E+01	0.9901E-01
0.4876E+01	0.7328E-01
0.5181E+01	0.5306E-01
0.5485E+01	0.3758E-01
0.5790E+01	0.2603E-01
0.6094E+01	0.1764E-01
0.6398E+01	0.1170E-01
0.6703E+01	0.7589E-02
0.7007E+01	0.4814E-02
0.7312E+01	0.2987E-02
0.7616E+01	0.1812E-02
0.7921E+01	0.1075E-02
0.8225E+01	0.6244E-03
0.8530E+01	0.3546E-03
0.8834E+01	0.1971E-03
0.9138E+01	0.1073E-03
0.9443E+01	0.5744E-04
0.9747E+01	0.3031E-04
0.1005E+02	0.1591E-04
0.1035E+02	0.8444E-05
0.1066E+02	0.4647E-05
0.1096E+02	0.2756E-05
0.1127E+02	0.1830E-05
0.1157E+02	0.1384E-05
0.1187E+02	0.1173E-05
0.1218E+02	0.1075E-05
0.1248E+02	0.1031E-05
0.1279E+02	0.1012E-05
0.1309E+02	0.1004E-05
0.1340E+02	0.1001E-05
0.1370E+02	0.1000E-06
0.1401E+02	0.9998E-06
0.1431E+02	0.9997E-06
0.1461E+02	0.9996E-06
0.1492E+02	0.9995E-06
0.1522E+02	0.9994E-06
0.1553E+02	0.9993E-06
0.1583E+02	0.9992E-06
0.1614E+02	0.9991E-06
0.1644E+02	0.9990E-06
0.1675E+02	0.1000E-05
0.1705E+02	0.1000E-05
0.1735E+02	0.1000E-05
0.1766E+02	0.1000E-05
0.1796E+02	0.1000E-05

0.1827E+02	0.1000E-05
0.1857E+02	0.1000E-05
0.1888E+02	0.1000E-05
0.1918E+02	0.1000E-05
0.1949E+02	0.1000E-05
0.1979E+02	0.1000E-05
0.2009E+02	0.1000E-05
0.2040E+02	0.1000E-05
0.2070E+02	0.1000E-05
0.2101E+02	0.1000E-05
0.2131E+02	0.1000E-05
0.2162E+02	0.1000E-05
0.2192E+02	0.1000E-05
0.2223E+02	0.1000E-05
0.2253E+02	0.1000E-05
0.2283E+02	0.1000E-05
0.2314E+02	0.1000E-05
0.2344E+02	0.1000E-05
0.2375E+02	0.1000E-05
0.2405E+02	0.1000E-05
0.2436E+02	0.1000E-05
0.2466E+02	0.1000E-05
0.2497E+02	0.1000E-05
0.2527E+02	0.1000E-05
0.2557E+02	0.1000E-05
0.2588E+02	0.1000E-05
0.2618E+02	0.1000E-05
0.2649E+02	0.1000E-05
0.2679E+02	0.1000E-05
0.2710E+02	0.1000E-05
0.2740E+02	0.1000E-05
0.2771E+02	0.1000E-05
0.2801E+02	0.1000E-05
0.2831E+02	0.1000E-05
0.2862E+02	0.1000E-05
0.2892E+02	0.1000E-05
0.2923E+02	0.1000E-05
0.2953E+02	0.1000E-05
0.2984E+02	0.1000E-05
0.3014E+02	0.1000E-05
0.3045E+02	0.1000E-05

ANALYSIS FOR TIME PERIOD 17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.9399E+00
	0.3050E+00	0.9391E+00	
	0.6100E+00	0.8771E+00	
	0.9150E+00	0.8132E+00	
	0.1220E+01	0.7466E+00	
	0.1525E+01	0.6755E+00	
	0.1830E+01	0.6040E+00	
	0.2135E+01	0.5341E+00	
	0.2440E+01	0.4621E+00	
	0.2745E+01	0.3916E+00	

0.30500E+01 0.32425E+00
 0.33544E+01 0.26912E+00
 0.36589E+01 0.21911E+00
 0.39633E+01 0.17485E+00
 0.42678E+01 0.13668E+00
 0.45722E+01 0.10462E+00
 0.48767E+01 0.78414E-01
 0.51811E+01 0.57538E-01
 0.54855E+01 0.41335E-01
 0.57900E+01 0.29074E-01
 0.60944E+01 0.20023E-01
 0.63989E+01 0.13501E-01
 0.67033E+01 0.89133E-02
 0.70078E+01 0.57612E-02
 0.73122E+01 0.36456E-02
 0.76167E+01 0.22583E-02
 0.79211E+01 0.13695E-02
 0.82256E+01 0.81309E-03
 0.85300E+01 0.47266E-03
 0.88344E+01 0.26913E-03
 0.91389E+01 0.15021E-03
 0.94433E+01 0.82299E-04
 0.97478E+01 0.44387E-04
 0.10052E+02 0.23694E-04
 0.10357E+02 0.12645E-04
 0.10661E+02 0.68689E-05
 0.10966E+02 0.39086E-05
 0.11270E+02 0.24183E-05
 0.11574E+02 0.16800E-05
 0.11879E+02 0.13198E-05
 0.12183E+02 0.11468E-05
 0.12488E+02 0.10654E-05
 0.12792E+02 0.10280E-05
 0.13097E+02 0.10113E-05
 0.13401E+02 0.10042E-05
 0.13706E+02 0.10013E-05
 0.14010E+02 0.10003E-05
 0.14314E+02 0.99994E-06
 0.14619E+02 0.99988E-06
 0.14923E+02 0.99989E-06
 0.15228E+02 0.99993E-06
 0.15532E+02 0.99995E-06
 0.15837E+02 0.99997E-06
 0.16141E+02 0.99999E-06
 0.16446E+02 0.99999E-06
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05

0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.94645E+00
	0.30500E+00	0.93787E+00	
	0.61000E+00	0.87490E+00	
	0.91500E+00	0.81030E+00	
	0.12200E+01	0.74367E+00	
	0.15250E+01	0.67499E+00	
	0.18300E+01	0.60469E+00	
	0.21350E+01	0.53362E+00	
	0.24400E+01	0.46291E+00	
	0.27450E+01	0.39384E+00	
	0.30500E+01	0.32769E+00	
	0.33544E+01	0.27352E+00	
	0.36589E+01	0.22420E+00	
	0.39633E+01	0.18034E+00	
	0.42678E+01	0.14226E+00	
	0.45722E+01	0.11002E+00	
	0.48767E+01	0.83388E-01	

0.51811E+01 0.61938E-01
 0.54855E+01 0.45082E-01
 0.57900E+01 0.32153E-01
 0.60944E+01 0.22471E-01
 0.63989E+01 0.15389E-01
 0.67033E+01 0.10327E-01
 0.70078E+01 0.67908E-02
 0.73122E+01 0.43755E-02
 0.76167E+01 0.27624E-02
 0.79211E+01 0.17088E-02
 0.82256E+01 0.10357E-02
 0.85300E+01 0.61519E-03
 0.88344E+01 0.35815E-03
 0.91389E+01 0.20447E-03
 0.94433E+01 0.11459E-03
 0.97478E+01 0.63153E-04
 0.10052E+02 0.34349E-04
 0.10357E+02 0.18560E-04
 0.10661E+02 0.10083E-04
 0.10966E+02 0.56212E-05
 0.11270E+02 0.33148E-05
 0.11574E+02 0.21421E-05
 0.11879E+02 0.15546E-05
 0.12183E+02 0.12644E-05
 0.12488E+02 0.11232E-05
 0.12792E+02 0.10558E-05
 0.13097E+02 0.10244E-05
 0.13401E+02 0.10102E-05
 0.13706E+02 0.10040E-05
 0.14010E+02 0.10014E-05
 0.14314E+02 0.10004E-05
 0.14619E+02 0.10000E-05
 0.14923E+02 0.99994E-06
 0.15228E+02 0.99993E-06
 0.15532E+02 0.99995E-06
 0.15837E+02 0.99997E-06
 0.16141E+02 0.99998E-06
 0.16446E+02 0.99999E-06
 0.16750E+02 0.99999E-06
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05

0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.95313E+00
	0.30500E+00	0.93682E+00	
	0.61000E+00	0.87299E+00	
	0.91500E+00	0.80790E+00	
	0.12200E+01	0.74119E+00	
	0.15250E+01	0.67278E+00	
	0.18300E+01	0.60332E+00	
	0.21350E+01	0.53328E+00	
	0.24400E+01	0.46378E+00	
	0.27450E+01	0.39596E+00	
	0.30500E+01	0.33099E+00	
	0.33544E+01	0.27769E+00	
	0.36589E+01	0.22903E+00	
	0.39633E+01	0.18555E+00	
	0.42678E+01	0.14758E+00	
	0.45722E+01	0.11519E+00	
	0.48767E+01	0.88210E-01	
	0.51811E+01	0.66355E-01	
	0.54855E+01	0.48806E-01	
	0.57900E+01	0.35258E-01	
	0.60944E+01	0.24978E-01	
	0.63989E+01	0.17353E-01	
	0.67033E+01	0.11823E-01	
	0.70078E+01	0.78989E-02	

0.73122E+01 0.51751E-02
 0.76167E+01 0.33249E-02
 0.79211E+01 0.20947E-02
 0.82256E+01 0.12941E-02
 0.85300E+01 0.78407E-03
 0.88344E+01 0.46594E-03
 0.91389E+01 0.27168E-03
 0.94433E+01 0.15553E-03
 0.97478E+01 0.87527E-04
 0.10052E+02 0.48537E-04
 0.10357E+02 0.26639E-04
 0.10661E+02 0.14587E-04
 0.10966E+02 0.80823E-05
 0.11270E+02 0.46355E-05
 0.11574E+02 0.28396E-05
 0.11879E+02 0.19177E-05
 0.12183E+02 0.14509E-05
 0.12488E+02 0.12176E-05
 0.12792E+02 0.11028E-05
 0.13097E+02 0.10473E-05
 0.13401E+02 0.10211E-05
 0.13706E+02 0.10090E-05
 0.14010E+02 0.10036E-05
 0.14314E+02 0.10013E-05
 0.14619E+02 0.10004E-05
 0.14923E+02 0.10001E-05
 0.15228E+02 0.99998E-06
 0.15532E+02 0.99996E-06
 0.15837E+02 0.99996E-06
 0.16141E+02 0.99998E-06
 0.16446E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17054E+02 0.99999E-06
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05

0.94433E+01 0.20632E-03
 0.97478E+01 0.11845E-03
 0.10052E+02 0.66955E-04
 0.10357E+02 0.37377E-04
 0.10661E+02 0.20718E-04
 0.10966E+02 0.11514E-04
 0.11270E+02 0.65210E-05
 0.11574E+02 0.38585E-05
 0.11879E+02 0.24603E-05
 0.12183E+02 0.17360E-05
 0.12488E+02 0.13655E-05
 0.12792E+02 0.11784E-05
 0.13097E+02 0.10854E-05
 0.13401E+02 0.10398E-05
 0.13706E+02 0.10181E-05
 0.14010E+02 0.10079E-05
 0.14314E+02 0.10033E-05
 0.14619E+02 0.10013E-05
 0.14923E+02 0.10004E-05
 0.15228E+02 0.10001E-05
 0.15532E+02 0.10000E-05
 0.15837E+02 0.99998E-06
 0.16141E+02 0.99998E-06
 0.16446E+02 0.99998E-06
 0.16750E+02 0.99999E-06
 0.17054E+02 0.99999E-06
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24665E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05

0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.1000E+01	0.95991E+00
	0.3050E+00	0.9359E+00	
	0.6100E+00	0.8714E+00	
	0.9150E+00	0.8059E+00	
	0.1220E+01	0.7391E+00	
	0.1525E+01	0.6711E+00	
	0.1830E+01	0.6022E+00	
	0.2135E+01	0.5331E+00	
	0.2440E+01	0.4647E+00	
	0.2745E+01	0.3985E+00	
	0.3050E+01	0.3341E+00	
	0.3354E+01	0.2816E+00	
	0.3658E+01	0.2362E+00	
	0.3963E+01	0.1905E+00	
	0.4267E+01	0.1526E+00	
	0.4572E+01	0.1201E+00	
	0.4876E+01	0.9288E-01	
	0.5181E+01	0.7048E-01	
	0.5485E+01	0.5249E-01	
	0.5790E+01	0.3837E-01	
	0.6094E+01	0.2753E-01	
	0.6398E+01	0.1938E-01	
	0.6703E+01	0.1339E-01	
	0.7007E+01	0.9080E-02	
	0.7312E+01	0.6041E-02	
	0.7616E+01	0.3945E-02	
	0.7921E+01	0.2527E-02	
	0.8225E+01	0.1589E-02	
	0.8530E+01	0.9809E-03	
	0.8834E+01	0.5941E-03	
	0.9138E+01	0.3532E-03	

ANALYSIS FOR TIME PERIOD 21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.1000E+01	0.96678E+00
	0.3050E+00	0.9352E+00	
	0.6100E+00	0.8701E+00	
	0.9150E+00	0.8042E+00	
	0.1220E+01	0.7374E+00	
	0.1525E+01	0.6697E+00	
	0.1830E+01	0.6014E+00	
	0.2135E+01	0.5331E+00	
	0.2440E+01	0.4657E+00	
	0.2745E+01	0.4001E+00	
	0.3050E+01	0.3372E+00	
	0.3354E+01	0.2854E+00	
	0.3658E+01	0.2380E+00	
	0.3963E+01	0.1952E+00	
	0.4267E+01	0.1575E+00	
	0.4572E+01	0.1249E+00	
	0.4876E+01	0.9742E-01	
	0.5181E+01	0.7462E-01	
	0.5485E+01	0.5614E-01	
	0.5790E+01	0.4149E-01	
	0.6094E+01	0.3011E-01	
	0.6398E+01	0.2146E-01	
	0.6703E+01	0.1502E-01	
	0.7007E+01	0.1032E-01	
	0.7312E+01	0.6970E-02	
	0.7616E+01	0.4521E-02	
	0.7921E+01	0.3008E-02	
	0.8225E+01	0.1922E-02	
	0.8530E+01	0.1207E-02	
	0.8834E+01	0.7441E-03	
	0.9138E+01	0.4506E-03	
	0.9443E+01	0.2681E-03	
	0.9747E+01	0.1568E-03	
	0.1005E+02	0.9033E-04	
	0.1035E+02	0.5130E-04	
	0.1066E+02	0.2885E-04	
	0.1096E+02	0.1617E-04	
	0.11270E+02	0.9138E-05	

0.11574E+02 0.53041E-05
 0.11879E+02 0.32467E-05
 0.12183E+02 0.21581E-05
 0.12488E+02 0.15893E-05
 0.12792E+02 0.12956E-05
 0.13097E+02 0.11458E-05
 0.13401E+02 0.10705E-05
 0.13706E+02 0.10333E-05
 0.14010E+02 0.10153E-05
 0.14314E+02 0.10066E-05
 0.14619E+02 0.10029E-05
 0.14923E+02 0.10012E-05
 0.15228E+02 0.10004E-05
 0.15532E+02 0.10001E-05
 0.15837E+02 0.10000E-05
 0.16141E+02 0.99999E-06
 0.16446E+02 0.99999E-06
 0.16750E+02 0.99999E-06
 0.17054E+02 0.99999E-06
 0.17359E+02 0.99999E-06
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05

0.13706E+02 0.10580E-05
 0.14010E+02 0.10278E-05
 0.14314E+02 0.10129E-05
 0.14619E+02 0.10059E-05
 0.14923E+02 0.10026E-05
 0.15228E+02 0.10011E-05
 0.15532E+02 0.10004E-05
 0.15837E+02 0.10001E-05
 0.16141E+02 0.10000E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.99999E-06
 0.17054E+02 0.99999E-06
 0.17359E+02 0.99999E-06
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.97372E+00
	0.30500E+00	0.93465E+00	
	0.61000E+00	0.86905E+00	
	0.91500E+00	0.80293E+00	
	0.12200E+01	0.73612E+00	
	0.15250E+01	0.66869E+00	
	0.18300E+01	0.60093E+00	
	0.21350E+01	0.53342E+00	
	0.24400E+01	0.46688E+00	
	0.27450E+01	0.40217E+00	
	0.30500E+01	0.34019E+00	
	0.33544E+01	0.28915E+00	
	0.36589E+01	0.24220E+00	
	0.39633E+01	0.19980E+00	
	0.42678E+01	0.16223E+00	
	0.45722E+01	0.12960E+00	
	0.48767E+01	0.10183E+00	
	0.51811E+01	0.78675E-01	
	0.54856E+01	0.59754E-01	
	0.57900E+01	0.44608E-01	
	0.60944E+01	0.32727E-01	
	0.63989E+01	0.23596E-01	
	0.67033E+01	0.16718E-01	
	0.70078E+01	0.11639E-01	
	0.73122E+01	0.79623E-02	
	0.76167E+01	0.53523E-02	
	0.79211E+01	0.35353E-02	
	0.82256E+01	0.22945E-02	
	0.85300E+01	0.14634E-02	
	0.88344E+01	0.91716E-03	
	0.91389E+01	0.56495E-03	
	0.94433E+01	0.34210E-03	
	0.97478E+01	0.20373E-03	
	0.10052E+02	0.11942E-03	
	0.10357E+02	0.69001E-04	
	0.10661E+02	0.39402E-04	
	0.10966E+02	0.22340E-04	
	0.11270E+02	0.12679E-04	
	0.11574E+02	0.73018E-05	
	0.11879E+02	0.43561E-05	
	0.12183E+02	0.27656E-05	
	0.12488E+02	0.19179E-05	
	0.12792E+02	0.14712E-05	
	0.13097E+02	0.12385E-05	
	0.13401E+02	0.11188E-05	

ANALYSIS FOR TIME PERIOD 23

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.98072E+00
	0.30500E+00	0.93417E+00	
	0.61000E+00	0.86818E+00	
	0.91500E+00	0.80184E+00	
	0.12200E+01	0.73505E+00	
	0.15250E+01	0.66788E+00	
	0.18300E+01	0.60063E+00	
	0.21350E+01	0.53379E+00	
	0.24400E+01	0.46807E+00	
	0.27450E+01	0.40423E+00	
	0.30500E+01	0.34308E+00	
	0.33544E+01	0.29268E+00	
	0.36589E+01	0.24623E+00	
	0.39633E+01	0.20415E+00	
	0.42678E+01	0.16673E+00	
	0.45722E+01	0.13407E+00	
	0.48767E+01	0.10611E+00	
	0.51811E+01	0.82638E-01	
	0.54856E+01	0.63311E-01	
	0.57900E+01	0.47706E-01	
	0.60944E+01	0.35353E-01	
	0.63989E+01	0.25762E-01	
	0.67033E+01	0.18460E-01	
	0.70078E+01	0.13005E-01	
	0.73122E+01	0.90087E-02	
	0.76167E+01	0.61354E-02	
	0.79211E+01	0.41093E-02	
	0.82256E+01	0.27047E-02	
	0.85300E+01	0.17508E-02	
	0.88344E+01	0.11143E-02	
	0.91389E+01	0.69738E-03	
	0.94433E+01	0.42927E-03	
	0.97478E+01	0.25996E-03	
	0.10052E+02	0.15498E-03	
	0.10357E+02	0.91043E-04	
	0.10661E+02	0.52804E-04	
	0.10966E+02	0.30336E-04	
	0.11270E+02	0.17363E-04	
	0.11574E+02	0.99974E-05	
	0.11879E+02	0.58827E-05	
	0.12183E+02	0.36178E-05	
	0.12488E+02	0.23875E-05	
	0.12792E+02	0.17271E-05	
	0.13097E+02	0.13763E-05	
	0.13401E+02	0.11921E-05	
	0.13706E+02	0.10965E-05	
	0.14010E+02	0.10476E-05	
	0.14314E+02	0.10230E-05	
	0.14619E+02	0.10109E-05	
	0.14923E+02	0.10050E-05	
	0.15228E+02	0.10022E-05	
	0.15532E+02	0.10009E-05	

0.15037E+02 0.10004E-05
 0.16141E+02 0.10001E-05
 0.16446E+02 0.10000E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.99999E-06
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.98777E+00
	0.30500E+00	0.93378E+00	

0.61000E+00 0.86748E+00
 0.91500E+00 0.80099E+00
 0.12200E+01 0.7344E+00
 0.15250E+01 0.66732E+00
 0.18300E+01 0.60052E+00
 0.21350E+01 0.53432E+00
 0.24400E+01 0.46933E+00
 0.27450E+01 0.40628E+00
 0.30500E+01 0.34589E+00
 0.3354E+01 0.29609E+00
 0.36589E+01 0.25011E+00
 0.39633E+01 0.20835E+00
 0.42678E+01 0.17107E+00
 0.45722E+01 0.13840E+00
 0.48767E+01 0.11027E+00
 0.51811E+01 0.86515E-01
 0.54856E+01 0.66815E-01
 0.57900E+01 0.50786E-01
 0.60944E+01 0.37987E-01
 0.63989E+01 0.27958E-01
 0.67033E+01 0.20245E-01
 0.70078E+01 0.14422E-01
 0.73122E+01 0.10107E-01
 0.76167E+01 0.69682E-02
 0.79211E+01 0.47260E-02
 0.82256E+01 0.31531E-02
 0.85300E+01 0.20695E-02
 0.88344E+01 0.13363E-02
 0.91389E+01 0.84888E-03
 0.94433E+01 0.53062E-03
 0.97478E+01 0.32644E-03
 0.10052E+02 0.19775E-03
 0.10357E+02 0.11804E-03
 0.10661E+02 0.69520E-04
 0.10966E+02 0.40497E-04
 0.11270E+02 0.23429E-04
 0.11574E+02 0.13556E-04
 0.11879E+02 0.79368E-05
 0.12183E+02 0.47857E-05
 0.12488E+02 0.30429E-05
 0.12792E+02 0.20905E-05
 0.13097E+02 0.15757E-05
 0.13401E+02 0.13003E-05
 0.13706E+02 0.11545E-05
 0.14010E+02 0.10782E-05
 0.14314E+02 0.10389E-05
 0.14619E+02 0.10190E-05
 0.14923E+02 0.10091E-05
 0.15228E+02 0.10042E-05
 0.15532E+02 0.10019E-05
 0.15837E+02 0.10008E-05
 0.16141E+02 0.10003E-05
 0.16446E+02 0.10001E-05
 0.16750E+02 0.10000E-05
 0.17054E+02 0.10000E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05

0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.10103E+01
	0.30500E+00	0.93875E+00	
	0.61000E+00	0.87428E+00	
	0.91500E+00	0.80832E+00	
	0.12200E+01	0.74181E+00	
	0.15250E+01	0.67525E+00	
	0.18300E+01	0.60898E+00	
	0.21350E+01	0.54345E+00	
	0.24400E+01	0.47923E+00	

0.27450E+01 0.41697E+00
 0.30500E+01 0.35726E+00
 0.33544E+01 0.30653E+00
 0.36589E+01 0.26013E+00
 0.39633E+01 0.21811E+00
 0.42678E+01 0.18049E+00
 0.45722E+01 0.14732E+00
 0.48767E+01 0.11853E+00
 0.51811E+01 0.93986E-01
 0.54856E+01 0.73421E-01
 0.57900E+01 0.56496E-01
 0.60944E+01 0.42814E-01
 0.63989E+01 0.31949E-01
 0.67033E+01 0.23474E-01
 0.70078E+01 0.16981E-01
 0.73122E+01 0.12093E-01
 0.76167E+01 0.84785E-02
 0.79211E+01 0.58515E-02
 0.82256E+01 0.39755E-02
 0.85300E+01 0.26588E-02
 0.88344E+01 0.17505E-02
 0.91389E+01 0.11346E-02
 0.94433E+01 0.72406E-03
 0.97478E+01 0.45499E-03
 0.10052E+02 0.28161E-03
 0.10357E+02 0.17176E-03
 0.10661E+02 0.10333E-03
 0.10966E+02 0.61393E-04
 0.11270E+02 0.36120E-04
 0.11574E+02 0.21134E-04
 0.11879E+02 0.12387E-04
 0.12183E+02 0.73588E-05
 0.12488E+02 0.45095E-05
 0.12792E+02 0.29158E-05
 0.13097E+02 0.20349E-05
 0.13401E+02 0.15531E-05
 0.13706E+02 0.12923E-05
 0.14010E+02 0.11525E-05
 0.14314E+02 0.10784E-05
 0.14619E+02 0.10397E-05
 0.14923E+02 0.10197E-05
 0.15228E+02 0.10096E-05
 0.15532E+02 0.10046E-05
 0.15837E+02 0.10021E-05
 0.16141E+02 0.10010E-05
 0.16446E+02 0.10004E-05
 0.16750E+02 0.10002E-05
 0.17054E+02 0.10001E-05
 0.17359E+02 0.10000E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05

0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22535E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 26

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.10474E+01
	0.30500E+00	0.94539E+00	
	0.61000E+00	0.88542E+00	
	0.91500E+00	0.82211E+00	
	0.12200E+01	0.75708E+00	
	0.15250E+01	0.69141E+00	
	0.18300E+01	0.62585E+00	
	0.21350E+01	0.56101E+00	
	0.24400E+01	0.49742E+00	
	0.27450E+01	0.43561E+00	
	0.30500E+01	0.37601E+00	
	0.33544E+01	0.32414E+00	
	0.36589E+01	0.27669E+00	
	0.39633E+01	0.23370E+00	
	0.42678E+01	0.19513E+00	
	0.45722E+01	0.16093E+00	

0.40767E+01 0.13102E+00
 0.51011E+01 0.10524E+00
 0.54856E+01 0.83364E-01
 0.57900E+01 0.65112E-01
 0.60944E+01 0.50133E-01
 0.63989E+01 0.38044E-01
 0.67033E+01 0.28451E-01
 0.70078E+01 0.20967E-01
 0.73122E+01 0.15224E-01
 0.76167E+01 0.10892E-01
 0.79211E+01 0.76767E-02
 0.82256E+01 0.53307E-02
 0.85300E+01 0.36467E-02
 0.88344E+01 0.24577E-02
 0.91389E+01 0.16319E-02
 0.94433E+01 0.10675E-02
 0.97478E+01 0.68812E-03
 0.10052E+02 0.43710E-03
 0.10357E+02 0.27369E-03
 0.10661E+02 0.16901E-03
 0.10966E+02 0.10300E-03
 0.11270E+02 0.62040E-04
 0.11574E+02 0.37014E-04
 0.11879E+02 0.21960E-04
 0.12183E+02 0.13040E-04
 0.12488E+02 0.78310E-05
 0.12792E+02 0.48310E-05
 0.13097E+02 0.31253E-05
 0.13401E+02 0.21669E-05
 0.13706E+02 0.16341E-05
 0.14010E+02 0.13410E-05
 0.14314E+02 0.11812E-05
 0.14619E+02 0.10951E-05
 0.14923E+02 0.10492E-05
 0.15228E+02 0.10251E-05
 0.15532E+02 0.10126E-05
 0.15837E+02 0.10062E-05
 0.16141E+02 0.10030E-05
 0.16446E+02 0.10014E-05
 0.16750E+02 0.10006E-05
 0.17054E+02 0.10002E-05
 0.17359E+02 0.10001E-05
 0.17663E+02 0.10000E-05
 0.17968E+02 0.10000E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05

0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 27

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.10986E+01
	0.30500E+00	0.95239E+00	
	0.61000E+00	0.89839E+00	
	0.91500E+00	0.83967E+00	
	0.12200E+01	0.77788E+00	
	0.15250E+01	0.71439E+00	
	0.18300E+01	0.65026E+00	
	0.21350E+01	0.58636E+00	
	0.24400E+01	0.52335E+00	
	0.27450E+01	0.46175E+00	
	0.30500E+01	0.40190E+00	
	0.33544E+01	0.34878E+00	
	0.36589E+01	0.29993E+00	
	0.39633E+01	0.25546E+00	
	0.42678E+01	0.21538E+00	
	0.45722E+01	0.17962E+00	
	0.48767E+01	0.14808E+00	
	0.51811E+01	0.12052E+00	
	0.54856E+01	0.97024E-01	
	0.57900E+01	0.77043E-01	
	0.60944E+01	0.60375E-01	
	0.63989E+01	0.46681E-01	
	0.67033E+01	0.35606E-01	

0.70078E+01 0.26788E-01
 0.73122E+01 0.19876E-01
 0.76167E+01 0.14544E-01
 0.79211E+01 0.10495E-01
 0.82256E+01 0.74672E-02
 0.85300E+01 0.52388E-02
 0.88344E+01 0.36240E-02
 0.91389E+01 0.24719E-02
 0.94433E+01 0.16625E-02
 0.97478E+01 0.11025E-02
 0.10052E+02 0.72101E-03
 0.10357E+02 0.46504E-03
 0.10661E+02 0.29589E-03
 0.10966E+02 0.18579E-03
 0.11270E+02 0.11520E-03
 0.11574E+02 0.70610E-04
 0.11879E+02 0.42863E-04
 0.12183E+02 0.25847E-04
 0.12488E+02 0.15561E-04
 0.12792E+02 0.94300E-05
 0.13097E+02 0.58246E-05
 0.13401E+02 0.37313E-05
 0.13706E+02 0.25303E-05
 0.14010E+02 0.18488E-05
 0.14314E+02 0.14661E-05
 0.14619E+02 0.12533E-05
 0.14923E+02 0.11361E-05
 0.15228E+02 0.10723E-05
 0.15532E+02 0.10379E-05
 0.15837E+02 0.10196E-05
 0.16141E+02 0.10100E-05
 0.16446E+02 0.10050E-05
 0.16750E+02 0.10025E-05
 0.17054E+02 0.10012E-05
 0.17359E+02 0.10006E-05
 0.17663E+02 0.10003E-05
 0.17968E+02 0.10001E-05
 0.18272E+02 0.10000E-05
 0.18577E+02 0.10000E-05
 0.18881E+02 0.10000E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05

0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.91389E+01 0.38637E-02
 0.94433E+01 0.26760E-02
 0.97478E+01 0.18290E-02
 0.10052E+02 0.12338E-02
 0.10357E+02 0.82139E-03
 0.10661E+02 0.53975E-03
 0.10966E+02 0.35015E-03
 0.11270E+02 0.22431E-03
 0.11574E+02 0.14196E-03
 0.11879E+02 0.88832E-04
 0.12183E+02 0.55029E-04
 0.12488E+02 0.33819E-04
 0.12792E+02 0.20691E-04
 0.13097E+02 0.12675E-04
 0.13401E+02 0.78435E-05
 0.13706E+02 0.49679E-05
 0.14010E+02 0.32768E-05
 0.14314E+02 0.22934E-05
 0.14619E+02 0.17276E-05
 0.14923E+02 0.14054E-05
 0.15228E+02 0.12236E-05
 0.15532E+02 0.11220E-05
 0.15837E+02 0.10659E-05
 0.16141E+02 0.10351E-05
 0.16446E+02 0.10185E-05
 0.16750E+02 0.10096E-05
 0.17054E+02 0.10049E-05
 0.17359E+02 0.10025E-05
 0.17663E+02 0.10012E-05
 0.17968E+02 0.10006E-05
 0.18272E+02 0.10003E-05
 0.18577E+02 0.10001E-05
 0.18881E+02 0.10001E-05
 0.19186E+02 0.10000E-05
 0.19490E+02 0.10000E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.11633E+01
	0.30500E+00	0.95918E+00	
	0.61000E+00	0.91170E+00	
	0.91500E+00	0.85876E+00	
	0.12200E+01	0.80170E+00	
	0.15250E+01	0.74183E+00	
	0.18300E+01	0.68031E+00	
	0.21350E+01	0.61814E+00	
	0.24400E+01	0.55611E+00	
	0.27450E+01	0.49483E+00	
	0.30500E+01	0.43470E+00	
	0.33544E+01	0.38032E+00	
	0.36589E+01	0.32991E+00	
	0.39633E+01	0.28366E+00	
	0.42678E+01	0.24165E+00	
	0.45722E+01	0.20388E+00	
	0.48767E+01	0.17026E+00	
	0.51811E+01	0.14067E+00	
	0.54856E+01	0.11494E+00	
	0.57900E+01	0.92833E-01	
	0.60944E+01	0.74090E-01	
	0.63989E+01	0.58414E-01	
	0.67033E+01	0.45485E-01	
	0.70078E+01	0.34973E-01	
	0.73122E+01	0.26548E-01	
	0.76167E+01	0.19895E-01	
	0.79211E+01	0.14716E-01	
	0.82256E+01	0.10744E-01	
	0.85300E+01	0.77417E-02	
	0.88344E+01	0.55053E-02	

0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.11270E+02 0.44572E-03
 0.11574E+02 0.29201E-03
 0.11879E+02 0.18909E-03
 0.12183E+02 0.12109E-03
 0.12488E+02 0.76751E-04
 0.12792E+02 0.48211E-04
 0.13097E+02 0.30079E-04
 0.13401E+02 0.18705E-04
 0.13706E+02 0.11659E-04
 0.14010E+02 0.73485E-05
 0.14314E+02 0.47418E-05
 0.14619E+02 0.31835E-05
 0.14923E+02 0.22618E-05
 0.15228E+02 0.17224E-05
 0.15532E+02 0.14096E-05
 0.15837E+02 0.12301E-05
 0.16141E+02 0.11280E-05
 0.16446E+02 0.10704E-05
 0.16750E+02 0.10384E-05
 0.17054E+02 0.10207E-05
 0.17359E+02 0.10110E-05
 0.17663E+02 0.10058E-05
 0.17968E+02 0.10030E-05
 0.18272E+02 0.10015E-05
 0.18577E+02 0.10008E-05
 0.18881E+02 0.10004E-05
 0.19186E+02 0.10002E-05
 0.19490E+02 0.10001E-05
 0.19794E+02 0.10000E-05
 0.20099E+02 0.10000E-05
 0.20403E+02 0.10000E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 29

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.12412E+01
	0.30500E+00	0.96546E+00	
	0.61000E+00	0.92448E+00	
	0.91500E+00	0.87782E+00	
	0.12200E+01	0.82643E+00	
	0.15250E+01	0.77136E+00	
	0.18300E+01	0.71366E+00	
	0.21350E+01	0.65429E+00	
	0.24400E+01	0.59410E+00	
	0.27450E+01	0.53377E+00	
	0.30500E+01	0.47376E+00	
	0.33544E+01	0.41844E+00	
	0.36589E+01	0.36656E+00	
	0.39633E+01	0.31845E+00	
	0.42678E+01	0.27431E+00	
	0.45722E+01	0.23421E+00	
	0.48767E+01	0.19815E+00	
	0.51811E+01	0.16605E+00	
	0.54856E+01	0.13778E+00	
	0.57900E+01	0.11316E+00	
	0.60944E+01	0.91955E-01	
	0.63989E+01	0.73913E-01	
	0.67033E+01	0.58750E-01	
	0.70078E+01	0.46166E-01	
	0.73122E+01	0.35858E-01	
	0.76167E+01	0.27525E-01	
	0.79211E+01	0.20878E-01	
	0.82256E+01	0.15646E-01	
	0.85300E+01	0.11584E-01	
	0.88344E+01	0.84726E-02	
	0.91389E+01	0.61213E-02	
	0.94433E+01	0.43685E-02	
	0.97478E+01	0.30794E-02	
	0.10052E+02	0.21441E-02	
	0.10357E+02	0.14746E-02	
	0.10661E+02	0.10018E-02	
	0.10966E+02	0.6728E-03	

0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

0.13401E+02 0.46824E-04
 0.13706E+02 0.29703E-04
 0.14010E+02 0.18784E-04
 0.14314E+02 0.11503E-04
 0.14618E+02 0.76157E-05
 0.14923E+02 0.49744E-05
 0.15228E+02 0.31648E-05
 0.15532E+02 0.23939E-05
 0.15837E+02 0.18141E-05
 0.16141E+02 0.14712E-05
 0.16446E+02 0.12703E-05
 0.16750E+02 0.11536E-05
 0.17054E+02 0.10864E-05
 0.17359E+02 0.10482E-05
 0.17663E+02 0.10266E-05
 0.17968E+02 0.10145E-05
 0.18272E+02 0.10078E-05
 0.18577E+02 0.10042E-05
 0.18881E+02 0.10022E-05
 0.19186E+02 0.10012E-05
 0.19490E+02 0.10006E-05
 0.19794E+02 0.10003E-05
 0.20099E+02 0.10002E-05
 0.20403E+02 0.10001E-05
 0.20708E+02 0.10000E-05
 0.21012E+02 0.10000E-05
 0.21317E+02 0.10000E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.13321E+01
	0.30500E+00	0.97110E+00	
	0.61000E+00	0.93322E+00	
	0.91500E+00	0.89588E+00	
	0.12200E+01	0.85055E+00	
	0.15250E+01	0.80101E+00	
	0.18300E+01	0.74809E+00	
	0.21350E+01	0.69259E+00	
	0.24400E+01	0.63530E+00	
	0.27450E+01	0.57687E+00	
	0.30500E+01	0.51781E+00	
	0.33544E+01	0.46224E+00	
	0.36589E+01	0.40935E+00	
	0.39633E+01	0.35964E+00	
	0.42678E+01	0.31344E+00	
	0.45722E+01	0.27095E+00	
	0.48767E+01	0.23226E+00	
	0.51811E+01	0.19739E+00	
	0.54856E+01	0.16627E+00	
	0.57900E+01	0.13878E+00	
	0.60944E+01	0.11475E+00	
	0.63989E+01	0.93963E-01	
	0.67033E+01	0.76178E-01	
	0.70078E+01	0.61132E-01	
	0.73122E+01	0.48548E-01	
	0.76167E+01	0.38146E-01	
	0.79211E+01	0.29651E-01	
	0.82256E+01	0.22796E-01	
	0.85300E+01	0.17333E-01	
	0.88344E+01	0.13033E-01	
	0.91389E+01	0.96898E-02	
	0.94433E+01	0.71229E-02	
	0.97478E+01	0.51768E-02	
	0.10052E+02	0.37196E-02	
	0.10357E+02	0.26422E-02	
	0.10661E+02	0.18554E-02	
	0.10966E+02	0.12881E-02	
	0.11270E+02	0.88412E-03	
	0.11574E+02	0.59997E-03	
	0.11879E+02	0.40258E-03	
	0.12183E+02	0.26716E-03	
	0.12488E+02	0.17540E-03	
	0.12792E+02	0.11397E-03	
	0.13097E+02	0.73355E-04	

0.15532E+02 0.56664E-05
 0.15837E+02 0.38366E-05
 0.16141E+02 0.27088E-05
 0.16446E+02 0.20204E-05
 0.16750E+02 0.16040E-05
 0.17054E+02 0.13544E-05
 0.17359E+02 0.12062E-05
 0.17663E+02 0.11189E-05
 0.17968E+02 0.10679E-05
 0.18272E+02 0.10384E-05
 0.18577E+02 0.10216E-05
 0.18881E+02 0.10120E-05
 0.19186E+02 0.10066E-05
 0.19490E+02 0.10036E-05
 0.19794E+02 0.10019E-05
 0.20099E+02 0.10010E-05
 0.20403E+02 0.10005E-05
 0.20708E+02 0.10003E-05
 0.21012E+02 0.10001E-05
 0.21317E+02 0.10001E-05
 0.21621E+02 0.10000E-05
 0.21926E+02 0.10000E-05
 0.22230E+02 0.10000E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.14357E+01
	0.30500E+00	0.97605E+00	
	0.61000E+00	0.94680E+00	
	0.91500E+00	0.91237E+00	
	0.12200E+01	0.87308E+00	
	0.15250E+01	0.82938E+00	
	0.18300E+01	0.78183E+00	
	0.21350E+01	0.73104E+00	
	0.24400E+01	0.67762E+00	
	0.27450E+01	0.62216E+00	
	0.30500E+01	0.56511E+00	
	0.33544E+01	0.51028E+00	
	0.36589E+01	0.45722E+00	
	0.39633E+01	0.40654E+00	
	0.42678E+01	0.35871E+00	
	0.45722E+01	0.31406E+00	
	0.48767E+01	0.27237E+00	
	0.51811E+01	0.23514E+00	
	0.54856E+01	0.20102E+00	
	0.57900E+01	0.17043E+00	
	0.60944E+01	0.14328E+00	
	0.63989E+01	0.11941E+00	
	0.67033E+01	0.98636E-01	
	0.70078E+01	0.80738E-01	
	0.73122E+01	0.65475E-01	
	0.76167E+01	0.52595E-01	
	0.79211E+01	0.41841E-01	
	0.82256E+01	0.32960E-01	
	0.85300E+01	0.25705E-01	
	0.88344E+01	0.19846E-01	
	0.91389E+01	0.15166E-01	
	0.94433E+01	0.11470E-01	
	0.97478E+01	0.85851E-02	
	0.10052E+02	0.63588E-02	
	0.10357E+02	0.46604E-02	
	0.10661E+02	0.33797E-02	
	0.10966E+02	0.24251E-02	
	0.11270E+02	0.17218E-02	
	0.11574E+02	0.12095E-02	
	0.11879E+02	0.84067E-03	
	0.12183E+02	0.57819E-03	
	0.12488E+02	0.39354E-03	
	0.12792E+02	0.26512E-03	
	0.13097E+02	0.17682E-03	
	0.13401E+02	0.11681E-03	
	0.13706E+02	0.76476E-04	
	0.14010E+02	0.49677E-04	
	0.14314E+02	0.32070E-04	
	0.14619E+02	0.20630E-04	
	0.14923E+02	0.13279E-04	
	0.15228E+02	0.86058E-05	

ANALYSIS FOR TIME PERIOD 32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.15519E+01

0.30500E+00 0.98031E+00
 0.61000E+00 0.95601E+00
 0.91500E+00 0.92703E+00
 0.12200E+01 0.89348E+00
 0.15250E+01 0.85557E+00
 0.18300E+01 0.81363E+00
 0.21350E+01 0.76805E+00
 0.24400E+01 0.71926E+00
 0.27450E+01 0.66769E+00
 0.30500E+01 0.61373E+00
 0.33544E+01 0.56076E+00
 0.36589E+01 0.50858E+00
 0.39633E+01 0.45787E+00
 0.42678E+01 0.40918E+00
 0.45722E+01 0.36299E+00
 0.48767E+01 0.31963E+00
 0.51811E+01 0.27936E+00
 0.54856E+01 0.24234E+00
 0.57900E+01 0.20862E+00
 0.60944E+01 0.17821E+00
 0.63989E+01 0.15104E+00
 0.67033E+01 0.12699E+00
 0.70078E+01 0.10590E+00
 0.73122E+01 0.87577E-01
 0.76167E+01 0.71812E-01
 0.79211E+01 0.58377E-01
 0.82256E+01 0.47035E-01
 0.85300E+01 0.37565E-01
 0.88344E+01 0.29728E-01
 0.91389E+01 0.23309E-01
 0.94433E+01 0.18107E-01
 0.97478E+01 0.13934E-01
 0.10052E+02 0.10620E-01
 0.10357E+02 0.80177E-02
 0.10661E+02 0.59946E-02
 0.10966E+02 0.44386E-02
 0.11270E+02 0.32545E-02
 0.11574E+02 0.23631E-02
 0.11879E+02 0.16990E-02
 0.12183E+02 0.12097E-02
 0.12488E+02 0.85284E-03
 0.12792E+02 0.59543E-03
 0.13097E+02 0.41170E-03
 0.13401E+02 0.28196E-03
 0.13706E+02 0.19131E-03
 0.14010E+02 0.12864E-03
 0.14314E+02 0.85769E-04
 0.14619E+02 0.56749E-04
 0.14923E+02 0.37310E-04
 0.15228E+02 0.24424E-04
 0.15532E+02 0.15969E-04
 0.15837E+02 0.10477E-04
 0.16141E+02 0.69460E-05
 0.16446E+02 0.46972E-05
 0.16750E+02 0.32796E-05
 0.17054E+02 0.23935E-05
 0.17359E+02 0.18447E-05

0.24400E+01 0.75881E+00
 0.27450E+01 0.71183E+00
 0.30500E+01 0.66185E+00
 0.33544E+01 0.61180E+00
 0.36589E+01 0.56180E+00
 0.39633E+01 0.51194E+00
 0.42678E+01 0.46341E+00
 0.45722E+01 0.41656E+00
 0.48767E+01 0.37182E+00
 0.51811E+01 0.32957E+00
 0.54856E+01 0.29005E+00
 0.57900E+01 0.25346E+00
 0.60944E+01 0.21991E+00
 0.63989E+01 0.18941E+00
 0.67033E+01 0.16195E+00
 0.70078E+01 0.13745E+00
 0.73122E+01 0.11577E+00
 0.76167E+01 0.96772E-01
 0.79211E+01 0.80261E-01
 0.82256E+01 0.66042E-01
 0.85300E+01 0.53907E-01
 0.88344E+01 0.43645E-01
 0.91389E+01 0.35044E-01
 0.94433E+01 0.27904E-01
 0.97478E+01 0.22030E-01
 0.10052E+02 0.17244E-01
 0.10357E+02 0.13381E-01
 0.10661E+02 0.10293E-01
 0.10966E+02 0.78478E-02
 0.11270E+02 0.59305E-02
 0.11574E+02 0.44416E-02
 0.11879E+02 0.32968E-02
 0.12183E+02 0.24250E-02
 0.12488E+02 0.17677E-02
 0.12792E+02 0.12769E-02
 0.13097E+02 0.91406E-03
 0.13401E+02 0.64843E-03
 0.13706E+02 0.45589E-03
 0.14010E+02 0.31768E-03
 0.14314E+02 0.21945E-03
 0.14619E+02 0.15031E-03
 0.14923E+02 0.10213E-03
 0.15228E+02 0.68870E-04
 0.15532E+02 0.46140E-04
 0.15837E+02 0.30754E-04
 0.16141E+02 0.20439E-04
 0.16446E+02 0.13589E-04
 0.16750E+02 0.90831E-05
 0.17054E+02 0.61462E-05
 0.17359E+02 0.42493E-05
 0.17663E+02 0.30249E-05
 0.17968E+02 0.22643E-05
 0.18272E+02 0.17793E-05
 0.18577E+02 0.14766E-05
 0.18881E+02 0.12892E-05
 0.19186E+02 0.11741E-05
 0.19490E+02 0.11040E-05

0.17663E+02 0.15078E-05
 0.17968E+02 0.13028E-05
 0.18272E+02 0.11790E-05
 0.18577E+02 0.11050E-05
 0.18881E+02 0.10610E-05
 0.19186E+02 0.10352E-05
 0.19490E+02 0.10201E-05
 0.19794E+02 0.10114E-05
 0.20099E+02 0.10064E-05
 0.20403E+02 0.10035E-05
 0.20708E+02 0.10020E-05
 0.21012E+02 0.10011E-05
 0.21317E+02 0.10006E-05
 0.21621E+02 0.10003E-05
 0.21926E+02 0.10002E-05
 0.22230E+02 0.10001E-05
 0.22534E+02 0.10000E-05
 0.22839E+02 0.10000E-05
 0.23143E+02 0.10000E-05
 0.23448E+02 0.10000E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.16807E+01
	0.30500E+00	0.98394E+00	
	0.61000E+00	0.96393E+00	
	0.91500E+00	0.93981E+00	
	0.12200E+01	0.91152E+00	
	0.15250E+01	0.87911E+00	
	0.18300E+01	0.84271E+00	
	0.21350E+01	0.80253E+00	

0.19794E+02 0.10616E-05
 0.20099E+02 0.10362E-05
 0.20403E+02 0.10211E-05
 0.20708E+02 0.10122E-05
 0.21012E+02 0.10070E-05
 0.21317E+02 0.10040E-05
 0.21621E+02 0.10022E-05
 0.21926E+02 0.10012E-05
 0.22230E+02 0.10007E-05
 0.22534E+02 0.10004E-05
 0.22839E+02 0.10002E-05
 0.23143E+02 0.10001E-05
 0.23448E+02 0.10001E-05
 0.23752E+02 0.10000E-05
 0.24057E+02 0.10000E-05
 0.24361E+02 0.10000E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.18222E+01
	0.30500E+00	0.98699E+00	
	0.61000E+00	0.97055E+00	
	0.91500E+00	0.95076E+00	
	0.12200E+01	0.92717E+00	
	0.15250E+01	0.89982E+00	
	0.18300E+01	0.86869E+00	
	0.21350E+01	0.83383E+00	
	0.24400E+01	0.79533E+00	
	0.27450E+01	0.75334E+00	
	0.30500E+01	0.70792E+00	
	0.33544E+01	0.66148E+00	
	0.36589E+01	0.61445E+00	
	0.39633E+01	0.56691E+00	
	0.42678E+01	0.51963E+00	

0.45722E+01 0.47318E+00
 0.48767E+01 0.42805E+00
 0.51811E+01 0.38466E+00
 0.54856E+01 0.34338E+00
 0.57900E+01 0.30439E+00
 0.58944E+01 0.26840E+00
 0.63989E+01 0.23464E+00
 0.67033E+01 0.20389E+00
 0.70078E+01 0.17596E+00
 0.73122E+01 0.15080E+00
 0.76167E+01 0.12834E+00
 0.79211E+01 0.10845E+00
 0.82256E+01 0.90990E-01
 0.85300E+01 0.75780E-01
 0.88344E+01 0.62663E-01
 0.91389E+01 0.51426E-01
 0.94433E+01 0.41895E-01
 0.97478E+01 0.33856E-01
 0.10052E+02 0.27155E-01
 0.10357E+02 0.21610E-01
 0.10661E+02 0.17062E-01
 0.10966E+02 0.13364E-01
 0.11270E+02 0.10384E-01
 0.11574E+02 0.80029E-02
 0.11879E+02 0.61175E-02
 0.12183E+02 0.46380E-02
 0.12488E+02 0.34873E-02
 0.12792E+02 0.26004E-02
 0.13097E+02 0.19229E-02
 0.13401E+02 0.14101E-02
 0.13706E+02 0.10254E-02
 0.14010E+02 0.73950E-03
 0.14314E+02 0.52888E-03
 0.14619E+02 0.37513E-03
 0.14923E+02 0.26392E-03
 0.15228E+02 0.18420E-03
 0.15532E+02 0.12758E-03
 0.15837E+02 0.87717E-04
 0.16141E+02 0.5910E-04
 0.16446E+02 0.40685E-04
 0.16750E+02 0.27513E-04
 0.17054E+02 0.18567E-04
 0.17359E+02 0.12546E-04
 0.17663E+02 0.85273E-05
 0.17968E+02 0.56889E-05
 0.18272E+02 0.41250E-05
 0.18577E+02 0.29904E-05
 0.18881E+02 0.22583E-05
 0.19186E+02 0.17095E-05
 0.19490E+02 0.14917E-05
 0.19794E+02 0.13040E-05
 0.20099E+02 0.11866E-05
 0.20403E+02 0.11136E-05
 0.20708E+02 0.10687E-05
 0.21012E+02 0.10412E-05
 0.21317E+02 0.10245E-05
 0.21621E+02 0.10145E-05

0.21926E+02 0.10085E-05
 0.22230E+02 0.10049E-05
 0.22534E+02 0.10028E-05
 0.22839E+02 0.10016E-05
 0.23143E+02 0.10009E-05
 0.23448E+02 0.10005E-05
 0.23752E+02 0.10003E-05
 0.24057E+02 0.10002E-05
 0.24361E+02 0.10001E-05
 0.24666E+02 0.10000E-05
 0.24970E+02 0.10000E-05
 0.25274E+02 0.10000E-05
 0.25579E+02 0.10000E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.0000E+00	0.10000E+01	0.19763E+01
	0.30500E+00	0.98953E+00	
	0.61000E+00	0.97628E+00	
	0.91500E+00	0.96002E+00	
	0.12200E+01	0.94055E+00	
	0.15250E+01	0.91773E+00	
	0.18300E+01	0.89144E+00	
	0.21350E+01	0.86163E+00	
	0.24400E+01	0.82828E+00	
	0.27450E+01	0.79139E+00	
	0.30500E+01	0.75096E+00	
	0.33544E+01	0.70902E+00	
	0.36589E+01	0.66533E+00	
	0.39633E+01	0.62102E+00	
	0.42678E+01	0.57602E+00	
	0.45722E+01	0.53104E+00	
	0.48767E+01	0.48658E+00	
	0.51811E+01	0.44310E+00	
	0.54856E+01	0.40101E+00	
	0.57900E+01	0.36066E+00	
	0.60944E+01	0.32233E+00	
	0.63989E+01	0.28627E+00	

0.67033E+01 0.25262E+00
 0.70078E+01 0.22153E+00
 0.73122E+01 0.19301E+00
 0.76167E+01 0.16708E+00
 0.79211E+01 0.14369E+00
 0.82256E+01 0.12277E+00
 0.85300E+01 0.10419E+00
 0.88344E+01 0.87842E-01
 0.91389E+01 0.73555E-01
 0.94433E+01 0.61172E-01
 0.97478E+01 0.50523E-01
 0.10052E+02 0.41437E-01
 0.10357E+02 0.33745E-01
 0.10661E+02 0.27286E-01
 0.10966E+02 0.21905E-01
 0.11270E+02 0.17457E-01
 0.11574E+02 0.13811E-01
 0.11879E+02 0.10845E-01
 0.12183E+02 0.84532E-02
 0.12488E+02 0.65394E-02
 0.12792E+02 0.50207E-02
 0.13097E+02 0.38255E-02
 0.13401E+02 0.28926E-02
 0.13706E+02 0.21704E-02
 0.14010E+02 0.16161E-02
 0.14314E+02 0.11941E-02
 0.14619E+02 0.87546E-03
 0.14923E+02 0.63695E-03
 0.15228E+02 0.45988E-03
 0.15532E+02 0.32952E-03
 0.15837E+02 0.23435E-03
 0.16141E+02 0.16545E-03
 0.16446E+02 0.11599E-03
 0.16750E+02 0.80779E-04
 0.17054E+02 0.55918E-04
 0.17359E+02 0.38511E-04
 0.17663E+02 0.26425E-04
 0.17968E+02 0.18101E-04
 0.18272E+02 0.12416E-04
 0.18577E+02 0.85635E-05
 0.18881E+02 0.59744E-05
 0.19186E+02 0.42478E-05
 0.19490E+02 0.31054E-05
 0.19794E+02 0.23552E-05
 0.20099E+02 0.18662E-05
 0.20403E+02 0.15498E-05
 0.20708E+02 0.13465E-05
 0.21012E+02 0.12169E-05
 0.21317E+02 0.11348E-05
 0.21621E+02 0.10832E-05
 0.21926E+02 0.10510E-05
 0.22230E+02 0.10310E-05
 0.22534E+02 0.10187E-05
 0.22839E+02 0.10112E-05
 0.23143E+02 0.10067E-05
 0.23448E+02 0.10039E-05
 0.23752E+02 0.10023E-05

0.24057E+02 0.10013E-05
 0.24361E+02 0.10008E-05
 0.24666E+02 0.10004E-05
 0.24970E+02 0.10003E-05
 0.25274E+02 0.10001E-05
 0.25579E+02 0.10001E-05
 0.25883E+02 0.10000E-05
 0.26188E+02 0.10000E-05
 0.26492E+02 0.10000E-05
 0.26797E+02 0.10000E-05
 0.27101E+02 0.10000E-05
 0.27406E+02 0.10000E-05
 0.27710E+02 0.10000E-05
 0.28014E+02 0.10000E-05
 0.28319E+02 0.10000E-05
 0.28623E+02 0.10000E-05
 0.28928E+02 0.10000E-05
 0.29232E+02 0.10000E-05
 0.29537E+02 0.10000E-05
 0.29841E+02 0.10000E-05
 0.30146E+02 0.10000E-05
 0.30450E+02 0.10000E-05

ANALYSIS FOR TIME PERIOD 36

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.0000E+00	0.10000E+01	0.21431E+01
	0.30500E+00	0.99162E+00	
	0.61000E+00	0.98095E+00	
	0.91500E+00	0.96777E+00	
	0.12200E+01	0.95184E+00	
	0.15250E+01	0.93299E+00	
	0.18300E+01	0.91106E+00	
	0.21350E+01	0.88590E+00	
	0.24400E+01	0.85742E+00	
	0.27450E+01	0.82552E+00	
	0.30500E+01	0.79012E+00	
	0.33544E+01	0.75282E+00	
	0.36589E+01	0.71358E+00	
	0.39633E+01	0.67279E+00	
	0.42678E+01	0.63090E+00	
	0.45722E+01	0.58835E+00	
	0.48767E+01	0.54560E+00	
	0.51811E+01	0.50309E+00	
	0.54856E+01	0.46124E+00	
	0.57900E+01	0.42043E+00	
	0.60944E+01	0.38100E+00	
	0.63989E+01	0.34324E+00	
	0.67033E+01	0.30741E+00	
	0.70078E+01	0.27369E+00	
	0.73122E+01	0.24221E+00	
	0.76167E+01	0.21307E+00	
	0.79211E+01	0.18631E+00	
	0.82256E+01	0.16192E+00	
	0.85300E+01	0.13986E+00	

Existing Expansion Area - EVAM1.IN
0 Va Darcy Velocity
HOLAY :No. of Layers

2 0.018 0.36 0 1.91 3.05 10
 2 0.018 0.41 0 1.69 27.4 40
 4 1
 1
 1
 29
 5 10 15 20 25
 30 35 40 45 50
 55 60 65 70 75
 80 85 90 95 100
 105 110 115 120 125
 130 135 140 145

POLLUTEV6 SIMULATION
 RUN DATE - 25- 7--
 TIME - 11:23:15
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(c) R.K. ROJE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

Existing Expansion Area - EVAM1.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.0000E+00
(Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE TOP BOTTOM
 1 = Zero Flux Zero Flux
 2 = C = Const. C = Const2.
 3 = Finite Mass Fixed Outflow Velocity
 4 = Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are

0.28395E+02 0.00000E+00
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

TAU = 0.700E+01 H = 20 SIG = 0.000E+00 RWU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.12186E+00
	0.30500E+00	0.47221E+00	
	0.61000E+00	0.15050E+00	
	0.91500E+00	0.31011E-01	
	0.12200E+01	0.40330E-02	
	0.15250E+01	0.32507E-03	
	0.18300E+01	0.16080E-04	
	0.21350E+01	0.48478E-06	
	0.24400E+01	0.89664E-08	
	0.27450E+01	0.98587E-10	
	0.30500E+01	0.77766E-12	
	0.37350E+01	0.69250E-14	
	0.44200E+01	0.14966E-15	
	0.51050E+01	0.16008E-17	
	0.57900E+01	0.79464E-20	
	0.64750E+01	0.16920E-22	
	0.71600E+01	0.14160E-25	
	0.78450E+01	0.58833E-29	
	0.85300E+01	0.22429E-31	
	0.92150E+01	0.17939E-33	
	0.99000E+01	0.91645E-36	
	0.10585E+02	0.28464E-38	
	0.11270E+02	0.51955E-41	
	0.11955E+02	0.55840E-44	
	0.12640E+02	0.58891E-47	
	0.13325E+02	0.22424E-49	
	0.14010E+02	0.00000E+00	
	0.14695E+02	0.00000E+00	
	0.15380E+02	0.00000E+00	
	0.16065E+02	0.00000E+00	
	0.16750E+02	0.00000E+00	
	0.17435E+02	0.00000E+00	
	0.18120E+02	0.00000E+00	
	0.18805E+02	0.00000E+00	
	0.19490E+02	0.00000E+00	
	0.20175E+02	0.00000E+00	
	0.20860E+02	0.00000E+00	
	0.21545E+02	0.00000E+00	
	0.22230E+02	0.00000E+00	
	0.22915E+02	0.00000E+00	
	0.23600E+02	0.00000E+00	
	0.24285E+02	0.00000E+00	
	0.24970E+02	0.00000E+00	
	0.25655E+02	0.00000E+00	
	0.26340E+02	0.00000E+00	
	0.27025E+02	0.00000E+00	
	0.27710E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.17234E+00
	0.30500E+00	0.61122E+00	
	0.61000E+00	0.30931E+00	
	0.91500E+00	0.12726E+00	
	0.12200E+01	0.42019E-01	
	0.15250E+01	0.11033E-01	
	0.18300E+01	0.22884E-02	
	0.21350E+01	0.37322E-03	
	0.24400E+01	0.47690E-04	
	0.27450E+01	0.47607E-05	
	0.30500E+01	0.34679E-06	
	0.37350E+01	0.45112E-09	
	0.44200E+01	0.28487E-12	
	0.51050E+01	0.13005E-13	
	0.57900E+01	0.10089E-14	
	0.64750E+01	0.55864E-16	
	0.71600E+01	0.21617E-17	
	0.78450E+01	0.57128E-19	
	0.85300E+01	0.10039E-20	
	0.92150E+01	0.11377E-22	
	0.99000E+01	0.80541E-25	
	0.10585E+02	0.35588E-27	
	0.11270E+02	0.16584E-29	
	0.11955E+02	0.37865E-31	
	0.12640E+02	0.13278E-32	
	0.13325E+02	0.38242E-34	
	0.14010E+02	0.86920E-36	
	0.14695E+02	0.15402E-37	
	0.15380E+02	0.21019E-39	
	0.16065E+02	0.21851E-41	
	0.16750E+02	0.17412E-43	
	0.17435E+02	0.12084E-45	
	0.18120E+02	0.12828E-47	
	0.18805E+02	0.27730E-49	
	0.19490E+02	0.00000E+00	
	0.20175E+02	0.00000E+00	
	0.20860E+02	0.00000E+00	
	0.21545E+02	0.00000E+00	
	0.22230E+02	0.00000E+00	
	0.22915E+02	0.00000E+00	
	0.23600E+02	0.00000E+00	
	0.24285E+02	0.00000E+00	
	0.24970E+02	0.00000E+00	
	0.25655E+02	0.00000E+00	
	0.26340E+02	0.00000E+00	
	0.27025E+02	0.00000E+00	
	0.27710E+02	0.00000E+00	
	0.28395E+02	0.00000E+00	
	0.29080E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.29765E+02	0.00000E+00	0.00000E+00	
0.30450E+02	0.00000E+00	0.00000E+00	
0.1500E+02	0.00000E+00	0.10000E+01	0.21108E+00
0.30500E+00	0.67810E+00		
0.61000E+00	0.40648E+00		
0.91500E+00	0.21307E+00		
0.12200E+01	0.96872E-01		
0.15250E+01	0.37962E-01		
0.18300E+01	0.12763E-01		
0.21350E+01	0.36682E-02		
0.24400E+01	0.89878E-03		
0.27450E+01	0.10704E-03		
0.30500E+01	0.31017E-04		
0.37350E+01	0.34796E-06		
0.44200E+01	0.16847E-08		
0.51050E+01	0.37435E-11		
0.57900E+01	0.49324E-13		
0.64750E+01	0.68076E-14		
0.71600E+01	0.80637E-15		
0.78450E+01	0.76162E-16		
0.85300E+01	0.56734E-17		
0.92150E+01	0.32929E-18		
0.99000E+01	0.14688E-19		
0.10585E+02	0.49575E-21		
0.11270E+02	0.12447E-22		
0.11955E+02	0.22840E-24		
0.12640E+02	0.30342E-26		
0.13325E+02	0.33914E-28		
0.14010E+02	0.52238E-30		
0.14695E+02	0.30683E-31		
0.15380E+02	0.20027E-32		
0.16065E+02	0.11506E-33		
0.16750E+02	0.56606E-35		
0.17435E+02	0.23602E-36		
0.18120E+02	0.83704E-38		
0.18805E+02	0.24827E-39		
0.19490E+02	0.61422E-41		
0.20175E+02	0.12670E-42		
0.20860E+02	0.22440E-44		
0.21545E+02	0.40005E-46		
0.22230E+02	0.10676E-47		
0.22915E+02	0.46315E-49		
0.23600E+02	0.00000E+00		
0.24285E+02	0.00000E+00		
0.24970E+02	0.00000E+00		
0.25655E+02	0.00000E+00		
0.26340E+02	0.00000E+00		
0.27025E+02	0.00000E+00		
0.27710E+02	0.00000E+00		
0.28395E+02	0.00000E+00		
0.29080E+02	0.00000E+00		
0.29765E+02	0.00000E+00		
0.30450E+02	0.00000E+00		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.24373E+00
0.30500E+00	0.71926E+00		
0.61000E+00	0.47221E+00		
0.91500E+00	0.28088E+00		
0.12200E+01	0.15050E+00		
0.15250E+01	0.72299E-01		
0.18300E+01	0.31031E-01		
0.21350E+01	0.11865E-01		
0.24400E+01	0.40320E-02		
0.27450E+01	0.12114E-02		
0.30500E+01	0.30396E-03		
0.37350E+01	0.10041E-04		
0.44200E+01	0.17752E-06		
0.51050E+01	0.16698E-08		
0.57900E+01	0.06183E-11		
0.64750E+01	0.96161E-13		
0.71600E+01	0.15068E-13		
0.78450E+01	0.25913E-14		
0.85300E+01	0.37824E-15		
0.92150E+01	0.46461E-16		
0.99000E+01	0.47682E-17		
0.10585E+02	0.40559E-18		
0.11270E+02	0.28340E-19		
0.11955E+02	0.16106E-20		
0.12640E+02	0.73644E-22		
0.13325E+02	0.26782E-23		
0.14010E+02	0.76628E-25		
0.14695E+02	0.17235E-26		
0.15380E+02	0.33102E-28		
0.16065E+02	0.91847E-30		
0.16750E+02	0.65076E-31		
0.17435E+02	0.62001E-32		
0.18120E+02	0.55451E-33		
0.18805E+02	0.44378E-34		
0.19490E+02	0.31554E-35		
0.20175E+02	0.19851E-36		
0.20860E+02	0.11001E-37		
0.21545E+02	0.53478E-39		
0.22230E+02	0.22708E-40		
0.22915E+02	0.84037E-42		
0.23600E+02	0.27278E-43		
0.24285E+02	0.80892E-45		
0.24970E+02	0.25498E-46		
0.25655E+02	0.11324E-47		
0.26340E+02	0.73381E-49		
0.27025E+02	0.00000E+00		
0.27710E+02	0.00000E+00		
0.28395E+02	0.00000E+00		
0.29080E+02	0.00000E+00		
0.29765E+02	0.00000E+00		
0.30450E+02	0.00000E+00		

TIME DEPTH CONCENTRATION TOTAL FLUX

INTO SOIL

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.00000E+00	0.10000E+01	0.27250E+00
0.30500E+00	0.74783E+00		
0.61000E+00	0.52023E+00		
0.91500E+00	0.33485E+00		
0.12200E+01	0.19845E+00		
0.15250E+01	0.10795E+00		
0.18300E+01	0.53732E-01		
0.21350E+01	0.24416E-01		
0.24400E+01	0.10104E-01		
0.27450E+01	0.37836E-02		
0.30500E+01	0.12198E-02		
0.37350E+01	0.77138E-04		
0.44200E+01	0.29699E-05		
0.51050E+01	0.69211E-07		
0.57900E+01	0.97318E-09		
0.64750E+01	0.85214E-11		
0.71600E+01	0.12850E-12		
0.78450E+01	0.21406E-13		
0.85300E+01	0.45864E-14		
0.92150E+01	0.86681E-15		
0.99000E+01	0.14303E-15		
0.10585E+02	0.20506E-16		
0.11270E+02	0.25402E-17		
0.11955E+02	0.27031E-18		
0.12640E+02	0.24547E-19		
0.13325E+02	0.18887E-20		
0.14010E+02	0.12218E-21		
0.14695E+02	0.65908E-23		
0.15380E+02	0.29405E-24		
0.16065E+02	0.10796E-25		
0.16750E+02	0.33160E-27		
0.17435E+02	0.98975E-29		
0.18120E+02	0.49648E-30		
0.18805E+02	0.51114E-31		
0.19490E+02	0.62563E-32		
0.20175E+02	0.72587E-33		
0.20860E+02	0.77124E-34		
0.21545E+02	0.74606E-35		
0.22230E+02	0.65504E-36		
0.22915E+02	0.52045E-37		
0.23600E+02	0.37303E-38		
0.24285E+02	0.24044E-39		
0.24970E+02	0.13898E-40		
0.25655E+02	0.71969E-42		
0.26340E+02	0.33564E-43		
0.27025E+02	0.14490E-44		
0.27710E+02	0.63598E-46		
0.28395E+02	0.34651E-47		
0.29080E+02	0.26581E-48		
0.29765E+02	0.24890E-49		
0.30450E+02	0.00000E+00		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.29851E+00
0.30500E+00	0.76915E+00		
0.61000E+00	0.55722E+00		
0.91500E+00	0.37861E+00		
0.12200E+01	0.24042E+00		
0.15250E+01	0.14226E+00		
0.18300E+01	0.78250E-01		
0.21350E+01	0.39928E-01		
0.24400E+01	0.18852E-01		
0.27450E+01	0.81761E-02		
0.30500E+01	0.31203E-02		
0.37350E+01	0.30449E-03		
0.44200E+01	0.19710E-04		
0.51050E+01	0.84175E-06		
0.57900E+01	0.23627E-07		
0.64750E+01	0.43539E-09		
0.71600E+01	0.55089E-11		
0.78450E+01	0.12776E-12		
0.85300E+01	0.24312E-13		
0.92150E+01	0.60287E-14		
0.99000E+01	0.13523E-14		
0.10585E+02	0.27119E-15		
0.11270E+02	0.48440E-16		
0.11955E+02	0.76762E-17		
0.12640E+02	0.10746E-17		
0.13325E+02	0.13225E-18		
0.14010E+02	0.14238E-19		
0.14695E+02	0.13333E-20		
0.15380E+02	0.10795E-21		
0.16065E+02	0.75104E-23		
0.16750E+02	0.44616E-24		
0.17435E+02	0.22532E-25		
0.18120E+02	0.97328E-27		
0.18805E+02	0.38377E-28		
0.19490E+02	0.18690E-29		
0.20175E+02	0.17529E-30		
0.20860E+02	0.24671E-31		
0.21545E+02	0.36044E-32		
0.22230E+02	0.49636E-33		
0.22915E+02	0.63425E-34		
0.23600E+02	0.74930E-35		
0.24285E+02	0.81655E-36		
0.24970E+02	0.81894E-37		
0.25655E+02	0.75411E-38		
0.26340E+02	0.63605E-39		
0.27025E+02	0.49028E-40		
0.27710E+02	0.34483E-41		
0.28395E+02	0.22148E-42		
0.29080E+02	0.13102E-43		
0.29765E+02	0.73723E-45		
0.30450E+02	0.43229E-46		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.3500E+02	0.00000E+00	0.10000E+01	0.32242E+00
0.30500E+00	0.78584E+00		

0.61000E+00	0.58683E+00
0.91500E+00	0.41499E+00
0.12200E+01	0.2719E+00
0.15250E+01	0.17428E+00
0.18300E+01	0.10303E+00
0.21350E+01	0.57143E-01
0.24400E+01	0.29654E-01
0.27450E+01	0.14286E-01
0.30500E+01	0.61570E-02
0.37350E+01	0.81967E-03
0.44200E+01	0.76941E-04
0.51050E+01	0.50667E-05
0.57900E+01	0.2322E-06
0.64750E+01	0.74853E-08
0.71600E+01	0.16773E-09
0.78450E+01	0.28282E-11
0.85300E+01	0.10680E-12
0.92150E+01	0.24242E-13
0.99000E+01	0.66865E-14
0.10585E+02	0.16944E-14
0.11270E+02	0.39027E-15
0.11955E+02	0.81457E-16
0.12640E+02	0.15360E-16
0.13325E+02	0.26078E-17
0.14010E+02	0.39724E-18
0.14695E+02	0.54076E-19
0.15380E+02	0.65508E-20
0.16065E+02	0.70299E-21
0.16750E+02	0.66507E-22
0.17435E+02	0.55191E-23
0.18120E+02	0.39978E-24
0.18805E+02	0.25192E-25
0.19490E+02	0.13871E-26
0.20175E+02	0.69639E-28
0.20860E+02	0.38820E-29
0.21545E+02	0.15887E-30
0.22230E+02	0.53907E-31
0.22915E+02	0.91461E-32
0.23600E+02	0.15069E-32
0.24285E+02	0.23387E-33
0.24970E+02	0.33988E-34
0.25655E+02	0.46155E-35
0.26340E+02	0.58461E-36
0.27025E+02	0.68942E-37
0.27710E+02	0.75552E-38
0.28395E+02	0.76794E-39
0.29080E+02	0.72267E-40
0.29765E+02	0.62878E-41
0.30450E+02	0.30585E-42

0.12200E+01	0.30931E+00
0.15250E+01	0.20372E+00
0.18300E+01	0.12723E+00
0.21350E+01	0.75151E-01
0.24400E+01	0.41870E-01
0.27450E+01	0.21813E-01
0.30500E+01	0.10316E-01
0.37350E+01	0.17346E-02
0.44200E+01	0.21526E-03
0.51050E+01	0.19620E-04
0.57900E+01	0.13091E-05
0.64750E+01	0.63780E-07
0.71600E+01	0.22655E-08
0.78450E+01	0.59000E-10
0.85300E+01	0.12909E-11
0.92150E+01	0.82845E-13
0.99000E+01	0.22283E-13
0.10585E+02	0.66689E-14
0.11270E+02	0.18516E-14
0.11955E+02	0.47294E-15
0.12640E+02	0.11086E-15
0.13325E+02	0.23791E-16
0.14010E+02	0.46611E-17
0.14695E+02	0.83138E-18
0.15380E+02	0.13458E-18
0.16065E+02	0.19705E-19
0.16750E+02	0.26002E-20
0.17435E+02	0.30806E-21
0.18120E+02	0.32635E-22
0.18805E+02	0.30788E-23
0.19490E+02	0.25764E-24
0.20175E+02	0.19082E-25
0.20860E+02	0.12572E-26
0.21545E+02	0.76505E-28
0.22230E+02	0.50408E-29
0.22915E+02	0.30414E-30
0.23600E+02	0.80901E-31
0.24285E+02	0.15293E-31
0.24970E+02	0.28726E-32
0.25655E+02	0.51440E-33
0.26340E+02	0.87085E-34
0.27025E+02	0.13904E-34
0.27710E+02	0.20906E-35
0.28395E+02	0.29557E-36
0.29080E+02	0.39234E-37
0.29765E+02	0.48821E-38
0.30450E+02	0.56861E-39

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.34469E+00
	0.30500E+00	0.79937E+00	
	0.61000E+00	0.61122E+00	
	0.91500E+00	0.44576E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.36559E+00
	0.30500E+00	0.81062E+00	
	0.61000E+00	0.63175E+00	
	0.91500E+00	0.47200E+00	
	0.12200E+01	0.33775E+00	
	0.15250E+01	0.23084E+00	

0.18300E+01	0.15044E+00
0.21350E+01	0.93342E-01
0.24400E+01	0.54970E-01
0.27450E+01	0.30486E-01
0.30500E+01	0.15486E-01
0.37350E+01	0.31240E-02
0.44200E+01	0.48183E-03
0.51050E+01	0.56568E-04
0.57900E+01	0.50389E-05
0.64750E+01	0.33972E-06
0.71600E+01	0.17305E-07
0.78450E+01	0.66578E-09
0.85300E+01	0.19636E-10
0.92150E+01	0.57204E-12
0.99000E+01	0.63079E-13
0.10585E+02	0.19417E-13
0.11270E+02	0.61968E-14
0.11955E+02	0.18470E-14
0.12640E+02	0.51117E-15
0.13325E+02	0.13109E-15
0.14010E+02	0.31087E-16
0.14695E+02	0.68021E-17
0.15380E+02	0.13700E-17
0.16065E+02	0.25333E-18
0.16750E+02	0.42892E-19
0.17435E+02	0.66296E-20
0.18120E+02	0.93256E-21
0.18805E+02	0.11899E-21
0.19490E+02	0.13723E-22
0.20175E+02	0.14259E-23
0.20860E+02	0.13305E-24
0.21545E+02	0.11139E-25
0.22230E+02	0.84273E-27
0.22915E+02	0.59990E-28
0.23600E+02	0.46723E-29
0.24285E+02	0.53315E-30
0.24970E+02	0.93498E-31
0.25655E+02	0.19343E-31
0.26340E+02	0.40208E-32
0.27025E+02	0.80359E-33
0.27710E+02	0.15293E-33
0.28395E+02	0.27640E-34
0.29080E+02	0.47382E-35
0.29765E+02	0.76944E-36
0.30450E+02	0.11822E-36

0.24400E+01	0.68548E-01
0.27450E+01	0.39951E-01
0.30500E+01	0.21512E-01
0.37350E+01	0.50221E-02
0.44200E+01	0.92203E-03
0.51050E+01	0.13257E-03
0.57900E+01	0.14883E-04
0.64750E+01	0.13014E-05
0.71600E+01	0.88486E-07
0.78450E+01	0.46727E-08
0.85300E+01	0.19194E-09
0.92150E+01	0.63605E-11
0.99000E+01	0.26768E-12
0.10585E+02	0.48153E-13
0.11270E+02	0.16311E-13
0.11955E+02	0.54797E-14
0.12640E+02	0.17285E-14
0.13325E+02	0.50598E-15
0.14010E+02	0.14049E-15
0.14695E+02	0.38074E-16
0.15380E+02	0.86174E-17
0.16065E+02	0.19112E-17
0.16750E+02	0.39271E-18
0.17435E+02	0.74584E-19
0.18120E+02	0.13061E-19
0.18805E+02	0.21033E-20
0.19490E+02	0.31064E-21
0.20175E+02	0.41952E-22
0.20860E+02	0.51656E-23
0.21545E+02	0.57823E-24
0.22230E+02	0.58718E-25
0.22915E+02	0.54118E-26
0.23600E+02	0.45765E-27
0.24285E+02	0.37298E-28
0.24970E+02	0.34328E-29
0.25655E+02	0.45957E-30
0.26340E+02	0.89548E-31
0.27025E+02	0.20099E-31
0.27710E+02	0.45351E-32
0.28395E+02	0.98885E-33
0.29080E+02	0.20642E-33
0.29765E+02	0.41145E-34
0.30450E+02	0.78220E-35

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.38537E+00
	0.30500E+00	0.82016E+00	
	0.61000E+00	0.64935E+00	
	0.91500E+00	0.49523E+00	
	0.12200E+01	0.36316E+00	
	0.15250E+01	0.25563E+00	
	0.18300E+01	0.17247E+00	
	0.21350E+01	0.11133E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.40418E+00
	0.30500E+00	0.82840E+00	
	0.61000E+00	0.66446E+00	
	0.91500E+00	0.51551E+00	
	0.12200E+01	0.38590E+00	
	0.15250E+01	0.27839E+00	
	0.18300E+01	0.19326E+00	
	0.21350E+01	0.12888E+00	
	0.24400E+01	0.82309E-01	
	0.27450E+01	0.49971E-01	

0.30500E+01 0.28233E-01
 0.37350E+01 0.74302E-02
 0.44200E+01 0.15735E-02
 0.51050E+01 0.28711E-03
 0.57900E+01 0.28239E-04
 0.64750E+01 0.39207E-05
 0.71600E+01 0.33767E-06
 0.78450E+01 0.23121E-07
 0.85300E+01 0.12581E-08
 0.92150E+01 0.54727E-10
 0.99000E+01 0.20737E-11
 0.10585E+02 0.14135E-12
 0.11270E+02 0.36928E-13
 0.11955E+02 0.13346E-13
 0.12640E+02 0.46741E-14
 0.13325E+02 0.15442E-14
 0.14010E+02 0.48002E-15
 0.14695E+02 0.14018E-15
 0.15380E+02 0.38403E-16
 0.16065E+02 0.98525E-17
 0.16750E+02 0.23632E-17
 0.17435E+02 0.52894E-18
 0.18120E+02 0.11026E-18
 0.18805E+02 0.21360E-19
 0.19490E+02 0.38371E-20
 0.20175E+02 0.63767E-21
 0.20860E+02 0.97792E-22
 0.21545E+02 0.13959E-22
 0.22230E+02 0.17890E-23
 0.22915E+02 0.21238E-24
 0.23600E+02 0.23067E-25
 0.24285E+02 0.22985E-26
 0.24970E+02 0.21370E-27
 0.25655E+02 0.19768E-28
 0.26340E+02 0.21648E-29
 0.27025E+02 0.34454E-30
 0.27710E+02 0.74886E-31
 0.28395E+02 0.18097E-31
 0.29080E+02 0.43720E-32
 0.29765E+02 0.10233E-32
 0.30450E+02 0.23021E-33

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.42215E+00
	0.30500E+00	0.83559E+00	
	0.61000E+00	0.67809E+00	
	0.91500E+00	0.53353E+00	
	0.12200E+01	0.40642E+00	
	0.15250E+01	0.29532E+00	
	0.18300E+01	0.21284E+00	
	0.21350E+01	0.14586E+00	
	0.24400E+01	0.96044E-01	
	0.27450E+01	0.60342E-01	
	0.30500E+01	0.35497E-01	
	0.37350E+01	0.10326E-01	

0.57900E+01 0.14370E-03
 0.64750E+01 0.21577E-04
 0.71600E+01 0.26741E-05
 0.78450E+01 0.27319E-06
 0.85300E+01 0.22984E-07
 0.92150E+01 0.15919E-08
 0.99000E+01 0.91098E-10
 0.10585E+02 0.45016E-11
 0.11270E+02 0.28377E-12
 0.11955E+02 0.57465E-13
 0.12640E+02 0.21689E-13
 0.13325E+02 0.84581E-14
 0.14010E+02 0.31553E-14
 0.14695E+02 0.11191E-14
 0.15380E+02 0.37681E-15
 0.16065E+02 0.12032E-15
 0.16750E+02 0.36390E-16
 0.17435E+02 0.10411E-16
 0.18120E+02 0.28139E-17
 0.18805E+02 0.71744E-18
 0.19490E+02 0.17229E-18
 0.20175E+02 0.38908E-19
 0.20860E+02 0.82486E-20
 0.21545E+02 0.16387E-20
 0.22230E+02 0.30449E-21
 0.22915E+02 0.52814E-22
 0.23600E+02 0.85343E-23
 0.24285E+02 0.12823E-23
 0.24970E+02 0.17882E-24
 0.25655E+02 0.23130E-25
 0.26340E+02 0.27811E-26
 0.27025E+02 0.31455E-27
 0.27710E+02 0.34906E-28
 0.28395E+02 0.42641E-29
 0.29080E+02 0.68697E-30
 0.29765E+02 0.15248E-30
 0.30450E+02 0.40043E-31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.45598E+00
	0.30500E+00	0.84763E+00	
	0.61000E+00	0.70075E+00	
	0.91500E+00	0.56428E+00	
	0.12200E+01	0.44204E+00	
	0.15250E+01	0.33647E+00	
	0.18300E+01	0.24853E+00	
	0.21350E+01	0.17784E+00	
	0.24400E+01	0.12291E+00	
	0.27450E+01	0.81531E-01	
	0.30500E+01	0.51140E-01	
	0.37350E+01	0.17421E-01	
	0.44200E+01	0.50154E-02	
	0.51050E+01	0.12161E-02	
	0.57900E+01	0.24775E-03	
	0.64750E+01	0.42317E-04	

0.44200E+01 0.24636E-02
 0.51050E+01 0.48034E-03
 0.57900E+01 0.76319E-04
 0.64750E+01 0.98605E-05
 0.71600E+01 0.10343E-05
 0.78450E+01 0.87953E-07
 0.85300E+01 0.60588E-08
 0.92150E+01 0.33835E-09
 0.99000E+01 0.15578E-10
 0.10585E+02 0.71720E-12
 0.11270E+02 0.85590E-13
 0.11955E+02 0.28340E-13
 0.12640E+02 0.10706E-13
 0.13325E+02 0.38806E-14
 0.14010E+02 0.13323E-14
 0.14695E+02 0.43251E-15
 0.15380E+02 0.13298E-15
 0.16065E+02 0.38324E-16
 0.16750E+02 0.10432E-16
 0.17435E+02 0.26697E-17
 0.18120E+02 0.64136E-18
 0.18805E+02 0.14439E-18
 0.19490E+02 0.30403E-19
 0.20175E+02 0.59767E-20
 0.20860E+02 0.10946E-20
 0.21545E+02 0.18636E-21
 0.22230E+02 0.29431E-22
 0.22915E+02 0.43015E-23
 0.23600E+02 0.58059E-24
 0.24285E+02 0.72252E-25
 0.24970E+02 0.82910E-26
 0.25655E+02 0.88277E-27
 0.26340E+02 0.89562E-28
 0.27025E+02 0.94423E-29
 0.27710E+02 0.12466E-29
 0.28395E+02 0.23589E-30
 0.29080E+02 0.56770E-31
 0.29765E+02 0.14641E-31
 0.30450E+02 0.37465E-32

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.43939E+00
	0.30500E+00	0.84195E+00	
	0.61000E+00	0.69004E+00	
	0.91500E+00	0.54969E+00	
	0.12200E+01	0.42505E+00	
	0.15250E+01	0.31862E+00	
	0.18300E+01	0.23124E+00	
	0.21350E+01	0.16219E+00	
	0.24400E+01	0.10961E+00	
	0.27450E+01	0.70902E-01	
	0.30500E+01	0.43171E-01	
	0.37350E+01	0.13671E-01	
	0.44200E+01	0.36086E-02	
	0.51050E+01	0.79120E-03	

0.71600E+01 0.60511E-05
 0.78450E+01 0.72347E-06
 0.85300E+01 0.72253E-07
 0.92150E+01 0.60236E-08
 0.99000E+01 0.41946E-09
 0.10585E+02 0.24669E-10
 0.11270E+02 0.13670E-11
 0.11955E+02 0.13675E-12
 0.12640E+02 0.40883E-13
 0.13325E+02 0.16523E-13
 0.14010E+02 0.66020E-14
 0.14695E+02 0.25239E-14
 0.15380E+02 0.92028E-15
 0.16065E+02 0.31971E-15
 0.16750E+02 0.10571E-15
 0.17435E+02 0.33229E-16
 0.18120E+02 0.99196E-17
 0.18805E+02 0.28087E-17
 0.19490E+02 0.75333E-18
 0.20175E+02 0.19114E-18
 0.20860E+02 0.45811E-19
 0.21545E+02 0.10356E-19
 0.22230E+02 0.22045E-20
 0.22915E+02 0.44116E-21
 0.23600E+02 0.82851E-22
 0.24285E+02 0.14576E-22
 0.24970E+02 0.23980E-23
 0.25655E+02 0.36832E-24
 0.26340E+02 0.52756E-25
 0.27025E+02 0.70508E-26
 0.27710E+02 0.88431E-27
 0.28395E+02 0.10635E-27
 0.29080E+02 0.13091E-28
 0.29765E+02 0.19009E-29
 0.30450E+02 0.37399E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.47198E+00
	0.30500E+00	0.85272E+00	
	0.61000E+00	0.71041E+00	
	0.91500E+00	0.57753E+00	
	0.12200E+01	0.45761E+00	
	0.15250E+01	0.35302E+00	
	0.18300E+01	0.26480E+00	
	0.21350E+01	0.19281E+00	
	0.24400E+01	0.13588E+00	
	0.27450E+01	0.92136E-01	
	0.30500E+01	0.59310E-01	
	0.37350E+01	0.21528E-01	
	0.44200E+01	0.66827E-02	
	0.51050E+01	0.17684E-02	
	0.57900E+01	0.39796E-03	
	0.64750E+01	0.76013E-04	
	0.71600E+01	0.12305E-04	
	0.78450E+01	0.16861E-05	

0.85300E+01 0.19539E-06
 0.92150E+01 0.19133E-07
 0.99000E+01 0.15829E-08
 0.10585E+02 0.11097E-09
 0.11270E+02 0.6792E-11
 0.11955E+02 0.46555E-12
 0.12640E+02 0.79680E-13
 0.13325E+02 0.29863E-13
 0.14010E+02 0.12525E-13
 0.14695E+02 0.51032E-14
 0.15380E+02 0.19924E-14
 0.16065E+02 0.74409E-15
 0.16750E+02 0.26556E-15
 0.17435E+02 0.90487E-16
 0.18120E+02 0.29408E-16
 0.18805E+02 0.91066E-17
 0.19490E+02 0.26840E-17
 0.20175E+02 0.75200E-18
 0.20860E+02 0.20005E-18
 0.21545E+02 0.50467E-19
 0.22230E+02 0.12056E-19
 0.22915E+02 0.27233E-20
 0.23600E+02 0.58082E-21
 0.24285E+02 0.11678E-21
 0.24970E+02 0.22099E-22
 0.25655E+02 0.39296E-23
 0.26340E+02 0.65560E-24
 0.27025E+02 0.10250E-24
 0.27710E+02 0.15015E-25
 0.28395E+02 0.20666E-26
 0.29080E+02 0.27045E-27
 0.29765E+02 0.34938E-28
 0.30450E+02 0.49005E-29

0.99000E+01 0.50727E-08
 0.10585E+02 0.41717E-09
 0.11270E+02 0.29578E-10
 0.11955E+02 0.19552E-11
 0.12640E+02 0.19295E-12
 0.13325E+02 0.52597E-13
 0.14010E+02 0.22032E-13
 0.14695E+02 0.94486E-14
 0.15380E+02 0.39133E-14
 0.16065E+02 0.15561E-14
 0.16750E+02 0.59337E-15
 0.17435E+02 0.21680E-15
 0.18120E+02 0.75835E-16
 0.18805E+02 0.25372E-16
 0.19490E+02 0.81113E-17
 0.20175E+02 0.24755E-17
 0.20860E+02 0.72044E-18
 0.21545E+02 0.19972E-18
 0.22230E+02 0.52674E-19
 0.22915E+02 0.13201E-19
 0.23600E+02 0.31397E-20
 0.24285E+02 0.70767E-21
 0.24970E+02 0.15095E-21
 0.25655E+02 0.30428E-22
 0.26340E+02 0.57874E-23
 0.27025E+02 0.10372E-23
 0.27710E+02 0.17495E-24
 0.28395E+02 0.27759E-25
 0.29080E+02 0.41486E-26
 0.29765E+02 0.58809E-27
 0.30450E+02 0.80885E-28

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.48747E+00
	0.30500E+00	0.85734E+00	
	0.61000E+00	0.71919E+00	
	0.91500E+00	0.58963E+00	
	0.12200E+01	0.47195E+00	
	0.15250E+01	0.36840E+00	
	0.18300E+01	0.28011E+00	
	0.21350E+01	0.20711E+00	
	0.24400E+01	0.14848E+00	
	0.27450E+01	0.10265E+00	
	0.30500E+01	0.67904E-01	
	0.37350E+01	0.25944E-01	
	0.44200E+01	0.86031E-02	
	0.51050E+01	0.24578E-02	
	0.57900E+01	0.60347E-03	
	0.64750E+01	0.12712E-03	
	0.71600E+01	0.22938E-04	
	0.78450E+01	0.35416E-05	
	0.85300E+01	0.46744E-06	
	0.92150E+01	0.52700E-07	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.50247E+00
	0.30500E+00	0.86154E+00	
	0.61000E+00	0.72020E+00	
	0.91500E+00	0.60073E+00	
	0.12200E+01	0.48519E+00	
	0.15250E+01	0.38275E+00	
	0.18300E+01	0.29455E+00	
	0.21350E+01	0.22076E+00	
	0.24400E+01	0.16070E+00	
	0.27450E+01	0.11302E+00	
	0.30500E+01	0.75959E-01	
	0.37350E+01	0.30622E-01	
	0.44200E+01	0.10765E-01	
	0.51050E+01	0.32906E-02	
	0.57900E+01	0.87262E-03	
	0.64750E+01	0.20040E-03	
	0.71600E+01	0.39801E-04	
	0.78450E+01	0.68279E-05	
	0.85300E+01	0.10109E-05	
	0.92150E+01	0.12906E-06	
	0.99000E+01	0.14201E-07	
	0.10585E+02	0.13468E-08	

0.11270E+02 0.11039E-09
 0.11955E+02 0.80193E-11
 0.12640E+02 0.62216E-12
 0.13325E+02 0.10047E-12
 0.14010E+02 0.36949E-13
 0.14695E+02 0.16297E-13
 0.15380E+02 0.70971E-14
 0.16065E+02 0.29811E-14
 0.16750E+02 0.12046E-14
 0.17435E+02 0.46781E-15
 0.18120E+02 0.17449E-15
 0.18805E+02 0.62453E-16
 0.19490E+02 0.21434E-16
 0.20175E+02 0.70469E-17
 0.20860E+02 0.22175E-17
 0.21545E+02 0.66723E-18
 0.22230E+02 0.19177E-18
 0.22915E+02 0.52589E-19
 0.23600E+02 0.13745E-19
 0.24285E+02 0.34200E-20
 0.24970E+02 0.80905E-21
 0.25655E+02 0.18174E-21
 0.26340E+02 0.38713E-22
 0.27025E+02 0.78095E-23
 0.27710E+02 0.14900E-23
 0.28395E+02 0.26856E-24
 0.29080E+02 0.45698E-25
 0.29765E+02 0.73452E-26
 0.30450E+02 0.11201E-26

0.12640E+02 0.22658E-11
 0.13325E+02 0.23825E-12
 0.14010E+02 0.62251E-13
 0.14695E+02 0.26647E-13
 0.15380E+02 0.12053E-13
 0.16065E+02 0.53106E-14
 0.16750E+02 0.22587E-14
 0.17435E+02 0.92554E-15
 0.18120E+02 0.36530E-15
 0.18805E+02 0.13876E-15
 0.19490E+02 0.50686E-16
 0.20175E+02 0.17791E-16
 0.20860E+02 0.59960E-17
 0.21545E+02 0.19386E-17
 0.22230E+02 0.60072E-18
 0.22915E+02 0.17825E-18
 0.23600E+02 0.50596E-19
 0.24285E+02 0.13724E-19
 0.24970E+02 0.35534E-20
 0.25655E+02 0.87725E-21
 0.26340E+02 0.20625E-21
 0.27025E+02 0.46125E-22
 0.27710E+02 0.97998E-23
 0.28395E+02 0.19756E-23
 0.29080E+02 0.37751E-24
 0.29765E+02 0.68322E-25
 0.30450E+02 0.11714E-25

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.51704E+00
	0.30500E+00	0.86539E+00	
	0.61000E+00	0.73456E+00	
	0.91500E+00	0.61097E+00	
	0.12200E+01	0.49748E+00	
	0.15250E+01	0.39616E+00	
	0.18300E+01	0.30816E+00	
	0.21350E+01	0.23379E+00	
	0.24400E+01	0.17251E+00	
	0.27450E+01	0.12321E+00	
	0.30500E+01	0.84325E-01	
	0.37350E+01	0.35520E-01	
	0.44200E+01	0.13153E-01	
	0.51050E+01	0.42701E-02	
	0.57900E+01	0.12127E-02	
	0.64750E+01	0.30075E-03	
	0.71600E+01	0.65045E-04	
	0.78450E+01	0.12255E-04	
	0.85300E+01	0.20094E-05	
	0.92150E+01	0.28654E-06	
	0.99000E+01	0.35515E-07	
	0.10585E+02	0.38248E-08	
	0.11270E+02	0.35821E-09	
	0.11955E+02	0.29429E-10	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.53122E+00
	0.30500E+00	0.86893E+00	
	0.61000E+00	0.74134E+00	
	0.91500E+00	0.62044E+00	
	0.12200E+01	0.50891E+00	
	0.15250E+01	0.40872E+00	
	0.18300E+01	0.32103E+00	
	0.21350E+01	0.24623E+00	
	0.24400E+01	0.18393E+00	
	0.27450E+01	0.13320E+00	
	0.30500E+01	0.92661E-01	
	0.37350E+01	0.40600E-01	
	0.44200E+01	0.15752E-01	
	0.51050E+01	0.53971E-02	
	0.57900E+01	0.16297E-02	
	0.64750E+01	0.43296E-03	
	0.71600E+01	0.10107E-03	
	0.78450E+01	0.20707E-04	
	0.85300E+01	0.37203E-05	
	0.92150E+01	0.58571E-06	
	0.99000E+01	0.80756E-07	
	0.10585E+02	0.97471E-08	
	0.11270E+02	0.10300E-08	
	0.11955E+02	0.95590E-10	
	0.12640E+02	0.79808E-11	
	0.13325E+02	0.70362E-12	

0.14010E+02 0.11585E-12
 0.14695E+02 0.42383E-13
 0.15380E+02 0.19410E-13
 0.16065E+02 0.89025E-14
 0.16750E+02 0.39607E-14
 0.17435E+02 0.17027E-14
 0.18120E+02 0.70667E-15
 0.18805E+02 0.28296E-15
 0.19490E+02 0.10924E-15
 0.20175E+02 0.40630E-16
 0.20860E+02 0.14550E-16
 0.21545E+02 0.50128E-17
 0.22230E+02 0.16602E-17
 0.22915E+02 0.52811E-18
 0.23600E+02 0.16121E-18
 0.24285E+02 0.47183E-19
 0.24970E+02 0.13227E-19
 0.25655E+02 0.35481E-20
 0.26340E+02 0.90977E-21
 0.27025E+02 0.22733E-21
 0.27710E+02 0.52009E-22
 0.28395E+02 0.11570E-22
 0.29080E+02 0.24492E-23
 0.29765E+02 0.49288E-24
 0.30450E+02 0.94220E-25

0.15380E+02 0.30075E-13
 0.16065E+02 0.14185E-13
 0.16750E+02 0.65655E-14
 0.17435E+02 0.29455E-14
 0.18120E+02 0.12786E-14
 0.18805E+02 0.53665E-15
 0.19490E+02 0.21766E-15
 0.20175E+02 0.85252E-16
 0.20860E+02 0.32227E-16
 0.21545E+02 0.11749E-16
 0.22230E+02 0.41285E-17
 0.22915E+02 0.13970E-17
 0.23600E+02 0.45494E-18
 0.24285E+02 0.14244E-18
 0.24970E+02 0.42848E-19
 0.25655E+02 0.12371E-19
 0.26340E+02 0.34251E-20
 0.27025E+02 0.90846E-21
 0.27710E+02 0.23060E-21
 0.28395E+02 0.55964E-22
 0.29080E+02 0.12971E-22
 0.29765E+02 0.28682E-23
 0.30450E+02 0.60449E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.54503E+00
0.30500E+00	0.87219E+00		
0.61000E+00	0.74761E+00		
0.91500E+00	0.62924E+00		
0.12200E+01	0.51958E+00		
0.15250E+01	0.42052E+00		
0.18300E+01	0.33231E+00		
0.21350E+01	0.25811E+00		
0.24400E+01	0.19496E+00		
0.27450E+01	0.14297E+00		
0.30500E+01	0.10094E+00		
0.37350E+01	0.45826E-01		
0.44200E+01	0.18543E-01		
0.51050E+01	0.66698E-02		
0.57900E+01	0.21285E-02		
0.64750E+01	0.60163E-03		
0.71600E+01	0.15043E-03		
0.78450E+01	0.33237E-04		
0.85300E+01	0.64837E-05		
0.92150E+01	0.11159E-05		
0.99000E+01	0.16935E-06		
0.10585E+02	0.22650E-07		
0.11270E+02	0.26695E-08		
0.11955E+02	0.27756E-09		
0.12640E+02	0.25695E-10		
0.13325E+02	0.22558E-11		
0.14010E+02	0.26125E-12		
0.14695E+02	0.68833E-13		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.55850E+00
0.30500E+00	0.87522E+00		
0.61000E+00	0.75344E+00		
0.91500E+00	0.63743E+00		
0.12200E+01	0.52956E+00		
0.15250E+01	0.43162E+00		
0.18300E+01	0.34476E+00		
0.21350E+01	0.26946E+00		
0.24400E+01	0.20560E+00		
0.27450E+01	0.15251E+00		
0.30500E+01	0.10913E+00		
0.37350E+01	0.51169E-01		
0.44200E+01	0.21508E-01		
0.51050E+01	0.80849E-02		
0.57900E+01	0.27125E-02		
0.64750E+01	0.81096E-03		
0.71600E+01	0.21579E-03		
0.78450E+01	0.51050E-04		
0.85300E+01	0.10729E-04		
0.92150E+01	0.20015E-05		
0.99000E+01	0.33129E-06		
0.10585E+02	0.48625E-07		
0.11270E+02	0.63271E-08		
0.11955E+02	0.73009E-09		
0.12640E+02	0.74988E-10		
0.13325E+02	0.70312E-11		
0.14010E+02	0.70093E-12		
0.14695E+02	0.12338E-12		
0.15380E+02	0.45896E-13		
0.16065E+02	0.21693E-13		

0.16750E+02 0.10374E-13
 0.17435E+02 0.48347E-14
 0.18120E+02 0.21850E-14
 0.18805E+02 0.95674E-15
 0.19490E+02 0.40563E-15
 0.20175E+02 0.16642E-15
 0.20860E+02 0.66039E-16
 0.21545E+02 0.25330E-16
 0.22230E+02 0.93846E-17
 0.22915E+02 0.33564E-17
 0.23600E+02 0.11580E-17
 0.24285E+02 0.38512E-18
 0.24970E+02 0.12337E-18
 0.25655E+02 0.38034E-19
 0.26340E+02 0.11276E-19
 0.27025E+02 0.32119E-20
 0.27710E+02 0.87821E-21
 0.28395E+02 0.23028E-21
 0.29080E+02 0.57855E-22
 0.29765E+02 0.13912E-22
 0.30450E+02 0.31991E-23

0.18120E+02 0.35551E-14
 0.18805E+02 0.16173E-14
 0.19490E+02 0.71369E-15
 0.20175E+02 0.30534E-15
 0.20860E+02 0.12659E-15
 0.21545E+02 0.50824E-16
 0.22230E+02 0.19751E-16
 0.22915E+02 0.74250E-17
 0.23600E+02 0.26984E-17
 0.24285E+02 0.94738E-18
 0.24970E+02 0.32112E-18
 0.25655E+02 0.10501E-18
 0.26340E+02 0.33101E-19
 0.27025E+02 0.10051E-19
 0.27710E+02 0.29373E-20
 0.28395E+02 0.82550E-21
 0.29080E+02 0.22290E-21
 0.29765E+02 0.57777E-22
 0.30450E+02 0.14363E-22

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.57165E+00
0.30500E+00	0.87804E+00		
0.61000E+00	0.75887E+00		
0.91500E+00	0.64509E+00		
0.12200E+01	0.53892E+00		
0.15250E+01	0.44209E+00		
0.18300E+01	0.35571E+00		
0.21350E+01	0.28032E+00		
0.24400E+01	0.21587E+00		
0.27450E+01	0.16181E+00		
0.30500E+01	0.11721E+00		
0.37350E+01	0.56600E-01		
0.44200E+01	0.24631E-01		
0.51050E+01	0.96376E-02		
0.57900E+01	0.33841E-02		
0.64750E+01	0.10647E-02		
0.71600E+01	0.29981E-03		
0.78450E+01	0.75476E-04		
0.85300E+01	0.16973E-04		
0.92150E+01	0.34075E-05		
0.99000E+01	0.61031E-06		
0.10585E+02	0.97480E-07		
0.11270E+02	0.13880E-07		
0.11955E+02	0.17616E-08		
0.12640E+02	0.19962E-09		
0.13325E+02	0.20411E-10		
0.14010E+02	0.20108E-11		
0.14695E+02	0.26048E-12		
0.15380E+02	0.71930E-13		
0.16065E+02	0.32239E-13		
0.16750E+02	0.15742E-13		
0.17435E+02	0.75852E-14		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.58452E+00
0.30500E+00	0.88067E+00		
0.61000E+00	0.76394E+00		
0.91500E+00	0.65226E+00		
0.12200E+01	0.54773E+00		
0.15250E+01	0.45198E+00		
0.18300E+01	0.36612E+00		
0.21350E+01	0.29071E+00		
0.24400E+01	0.22578E+00		
0.27450E+01	0.17087E+00		
0.30500E+01	0.12518E+00		
0.37350E+01	0.62097E-01		
0.44200E+01	0.27895E-01		
0.51050E+01	0.11322E-01		
0.57900E+01	0.41446E-02		
0.64750E+01	0.13663E-02		
0.71600E+01	0.40513E-03		
0.78450E+01	0.10795E-03		
0.85300E+01	0.25825E-04		
0.92150E+01	0.55435E-05		
0.99000E+01	0.10671E-05		
0.10585E+02	0.18411E-06		
0.11270E+02	0.28463E-07		
0.11955E+02	0.39419E-08		
0.12640E+02	0.48934E-09		
0.13325E+02	0.54703E-10		
0.14010E+02	0.56666E-11		
0.14695E+02	0.63572E-12		
0.15380E+02	0.12313E-12		
0.16065E+02	0.47505E-13		
0.16750E+02	0.23123E-13		
0.17435E+02	0.11448E-13		
0.18120E+02	0.55432E-14		
0.18805E+02	0.26108E-14		

0.19490E+02 0.11947E-14
 0.20175E+02 0.53094E-15
 0.20860E+02 0.22902E-15
 0.21545E+02 0.55843E-16
 0.22230E+02 0.38892E-16
 0.22915E+02 0.15295E-16
 0.23600E+02 0.58259E-17
 0.24285E+02 0.21481E-17
 0.24970E+02 0.76624E-18
 0.25655E+02 0.26424E-18
 0.26340E+02 0.88036E-19
 0.27025E+02 0.28317E-19
 0.27710E+02 0.87867E-20
 0.28395E+02 0.26283E-20
 0.29080E+02 0.75726E-21
 0.29765E+02 0.20998E-21
 0.30450E+02 0.55991E-22

0.20860E+02 0.39402E-15
 0.21545E+02 0.17123E-15
 0.22230E+02 0.72271E-16
 0.22915E+02 0.29611E-16
 0.23600E+02 0.11771E-16
 0.24285E+02 0.45378E-17
 0.24970E+02 0.16954E-17
 0.25655E+02 0.61353E-18
 0.26340E+02 0.21492E-18
 0.27025E+02 0.72833E-19
 0.27710E+02 0.23860E-19
 0.28395E+02 0.75515E-20
 0.29080E+02 0.23072E-20
 0.29765E+02 0.67997E-21
 0.30450E+02 0.19316E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.59711E+00
	0.30500E+00	0.88312E+00	
	0.61000E+00	0.76870E+00	
	0.91500E+00	0.65900E+00	
	0.12200E+01	0.55602E+00	
	0.15250E+01	0.46134E+00	
	0.18300E+01	0.37603E+00	
	0.21350E+01	0.30067E+00	
	0.24400E+01	0.23534E+00	
	0.27450E+01	0.17969E+00	
	0.30500E+01	0.13302E+00	
	0.37350E+01	0.67638E-01	
	0.44200E+01	0.31283E-01	
	0.51050E+01	0.13132E-01	
	0.57900E+01	0.49942E-02	
	0.64750E+01	0.17183E-02	
	0.71600E+01	0.53426E-03	
	0.78450E+01	0.14994E-03	
	0.85300E+01	0.37970E-04	
	0.92150E+01	0.86667E-05	
	0.99000E+01	0.17823E-05	
	0.10585E+02	0.33006E-06	
	0.11270E+02	0.55025E-07	
	0.11955E+02	0.82556E-08	
	0.12640E+02	0.11149E-08	
	0.13325E+02	0.13581E-09	
	0.14010E+02	0.15115E-10	
	0.14695E+02	0.16532E-11	
	0.15380E+02	0.24182E-12	
	0.16065E+02	0.71826E-13	
	0.16750E+02	0.33218E-13	
	0.17435E+02	0.16716E-13	
	0.18120E+02	0.83292E-14	
	0.18805E+02	0.40484E-14	
	0.19490E+02	0.19150E-14	
	0.20175E+02	0.88100E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.60944E+00
	0.30500E+00	0.88543E+00	
	0.61000E+00	0.77316E+00	
	0.91500E+00	0.66534E+00	
	0.12200E+01	0.56386E+00	
	0.15250E+01	0.47021E+00	
	0.18300E+01	0.38547E+00	
	0.21350E+01	0.31021E+00	
	0.24400E+01	0.24457E+00	
	0.27450E+01	0.18828E+00	
	0.30500E+01	0.14072E+00	
	0.37350E+01	0.73206E-01	
	0.44200E+01	0.34781E-01	
	0.51050E+01	0.15060E-01	
	0.57900E+01	0.59324E-02	
	0.64750E+01	0.21232E-02	
	0.71600E+01	0.68958E-03	
	0.78450E+01	0.20306E-03	
	0.85300E+01	0.54170E-04	
	0.92150E+01	0.13083E-04	
	0.99000E+01	0.28592E-05	
	0.10585E+02	0.56513E-06	
	0.11270E+02	0.10099E-06	
	0.11955E+02	0.16310E-07	
	0.12640E+02	0.23808E-08	
	0.13325E+02	0.31438E-09	
	0.14010E+02	0.37781E-10	
	0.14695E+02	0.42752E-11	
	0.15380E+02	0.53884E-12	
	0.16065E+02	0.11695E-12	
	0.16750E+02	0.47450E-13	
	0.17435E+02	0.23768E-13	
	0.18120E+02	0.12119E-13	
	0.18805E+02	0.60604E-14	
	0.19490E+02	0.29548E-14	
	0.20175E+02	0.14031E-14	
	0.20860E+02	0.64862E-15	
	0.21545E+02	0.29177E-15	

0.22230E+02 0.12765E-15
 0.22915E+02 0.54298E-16
 0.23600E+02 0.22444E-16
 0.24285E+02 0.90104E-17
 0.24970E+02 0.35116E-17
 0.25655E+02 0.13279E-17
 0.26340E+02 0.48690E-18
 0.27025E+02 0.17302E-18
 0.27710E+02 0.59551E-19
 0.28395E+02 0.19839E-19
 0.29080E+02 0.63930E-20
 0.29765E+02 0.19914E-20
 0.30450E+02 0.59916E-21

0.23600E+02 0.40662E-16
 0.24285E+02 0.16943E-16
 0.24970E+02 0.68635E-17
 0.25655E+02 0.27017E-17
 0.26340E+02 0.10329E-17
 0.27025E+02 0.38334E-18
 0.27710E+02 0.13802E-18
 0.28395E+02 0.48185E-19
 0.29080E+02 0.16301E-19
 0.29765E+02 0.53404E-20
 0.30450E+02 0.16932E-20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.62154E+00
	0.30500E+00	0.88760E+00	
	0.61000E+00	0.77736E+00	
	0.91500E+00	0.67133E+00	
	0.12200E+01	0.57127E+00	
	0.15250E+01	0.47864E+00	
	0.18300E+01	0.39478E+00	
	0.21350E+01	0.31936E+00	
	0.24400E+01	0.25348E+00	
	0.27450E+01	0.19663E+00	
	0.30500E+01	0.14828E+00	
	0.37350E+01	0.78786E-01	
	0.44200E+01	0.38373E-01	
	0.51050E+01	0.17098E-01	
	0.57900E+01	0.69580E-02	
	0.64750E+01	0.25825E-02	
	0.71600E+01	0.87328E-03	
	0.78450E+01	0.26879E-03	
	0.85300E+01	0.75245E-04	
	0.92150E+01	0.19146E-04	
	0.99000E+01	0.44259E-05	
	0.10585E+02	0.92901E-06	
	0.11270E+02	0.17700E-06	
	0.11955E+02	0.30601E-07	
	0.12640E+02	0.48000E-08	
	0.13325E+02	0.68336E-09	
	0.14010E+02	0.88557E-10	
	0.14695E+02	0.10618E-10	
	0.15380E+02	0.12820E-11	
	0.16065E+02	0.21344E-12	
	0.16750E+02	0.69256E-13	
	0.17435E+02	0.33184E-13	
	0.18120E+02	0.17155E-13	
	0.18805E+02	0.87956E-14	
	0.19490E+02	0.44086E-14	
	0.20175E+02	0.21553E-14	
	0.20860E+02	0.10270E-14	
	0.21545E+02	0.47684E-15	
	0.22230E+02	0.21562E-15	
	0.22915E+02	0.94921E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.63340E+00
	0.30500E+00	0.88964E+00	
	0.61000E+00	0.78133E+00	
	0.91500E+00	0.67699E+00	
	0.12200E+01	0.57830E+00	
	0.15250E+01	0.48666E+00	
	0.18300E+01	0.40307E+00	
	0.21350E+01	0.32915E+00	
	0.24400E+01	0.26209E+00	
	0.27450E+01	0.20476E+00	
	0.30500E+01	0.15570E+00	
	0.37350E+01	0.84363E-01	
	0.44200E+01	0.42048E-01	
	0.51050E+01	0.19240E-01	
	0.57900E+01	0.80691E-02	
	0.64750E+01	0.30976E-02	
	0.71600E+01	0.10873E-02	
	0.78450E+01	0.34867E-03	
	0.85300E+01	0.10207E-03	
	0.92150E+01	0.27257E-04	
	0.99000E+01	0.66370E-05	
	0.10585E+02	0.14729E-05	
	0.11270E+02	0.29779E-06	
	0.11955E+02	0.54835E-07	
	0.12640E+02	0.91943E-08	
	0.13325E+02	0.14039E-08	
	0.14010E+02	0.19549E-09	
	0.14695E+02	0.25026E-10	
	0.15380E+02	0.30720E-11	
	0.16065E+02	0.43591E-12	
	0.16750E+02	0.10724E-12	
	0.17435E+02	0.46102E-13	
	0.18120E+02	0.23745E-13	
	0.18805E+02	0.12423E-13	
	0.19490E+02	0.63851E-14	
	0.20175E+02	0.32061E-14	
	0.20860E+02	0.15711E-14	
	0.21545E+02	0.75104E-15	
	0.22230E+02	0.35008E-15	
	0.22915E+02	0.15906E-15	
	0.23600E+02	0.70416E-16	
	0.24285E+02	0.30361E-16	

POLLUTEV6 SIMULATION
 RUN DATE - 25- 7--
 TIME - 11:28:29
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+00	0.24532E+00
	0.30500E+00	0.84735E+00	
	0.61000E+00	0.55169E+00	
	0.91500E+00	0.25059E+00	
	0.12200E+01	0.12161E-01	
	0.15250E+01	0.14148E-01	
	0.18300E+01	0.16644E-02	
	0.21350E+01	0.12025E-03	
	0.24400E+01	0.52941E-05	
	0.27450E+01	0.14143E-06	
	0.30500E+01	0.22064E-08	
	0.37350E+01	0.17647E-10	
	0.44200E+01	0.23350E-11	
	0.51050E+01	0.15636E-12	
	0.57900E+01	0.49337E-14	
	0.64750E+01	0.67545E-16	
	0.71600E+01	0.36405E-18	
	0.78450E+01	0.72004E-21	
	0.85300E+01	0.25559E-23	
	0.92150E+01	0.10989E-24	
	0.99000E+01	0.35860E-26	
	0.10585E+02	0.71839E-28	
	0.11270E+02	0.85034E-30	
	0.11955E+02	0.57179E-32	
	0.12640E+02	0.22338E-34	
	0.13325E+02	0.12105E-36	
	0.14010E+02	0.27828E-38	
	0.14695E+02	0.64410E-40	
	0.15380E+02	0.10483E-41	
	0.16065E+02	0.11618E-43	
	0.16750E+02	0.86587E-46	
	0.17435E+02	0.46880E-48	
	0.18120E+02	0.00000E+00	
	0.18805E+02	0.00000E+00	
	0.19490E+02	0.00000E+00	
	0.20175E+02	0.00000E+00	
	0.20860E+02	0.00000E+00	
	0.21545E+02	0.00000E+00	
	0.22230E+02	0.00000E+00	
	0.22915E+02	0.00000E+00	
	0.23600E+02	0.00000E+00	
	0.24285E+02	0.00000E+00	
	0.24970E+02	0.00000E+00	
	0.25655E+02	0.00000E+00	
	0.26340E+02	0.00000E+00	
	0.27025E+02	0.00000E+00	
	0.27710E+02	0.00000E+00	

Existing Expansion Area - EVAMX.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.3780E-01
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT OF HYDRODYNAMIC DISPERSION	PROPERTIES OF THE MATRIX MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	10	0.18000E-01	0.36000	0.0000E+00	1.9100	0.3050E+01
2	40	0.18000E-01	0.41000	0.0000E+00	1.6900	0.2740E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details.

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration C0 = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are

0.28395E+02	0.00000E+00
0.29080E+02	0.00000E+00
0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

0.29765E+02	0.00000E+00
0.30450E+02	0.00000E+00

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.43826E+00
	0.30500E+00	0.96370E+00	
	0.61000E+00	0.86773E+00	
	0.91500E+00	0.69889E+00	
	0.12200E+01	0.48381E+00	
	0.15250E+01	0.27902E+00	
	0.18300E+01	0.13112E+00	
	0.21350E+01	0.49456E-01	
	0.24400E+01	0.14819E-01	
	0.27450E+01	0.35024E-02	
	0.30500E+01	0.61171E-03	
	0.37350E+01	0.47186E-05	
	0.44200E+01	0.10302E-07	
	0.51050E+01	0.10206E-09	
	0.57900E+01	0.43284E-10	
	0.64750E+01	0.14503E-10	
	0.71600E+01	0.35016E-11	
	0.78450E+01	0.59113E-12	
	0.85300E+01	0.67617E-13	
	0.92150E+01	0.50631E-14	
	0.99000E+01	0.23889E-15	
	0.10585E+02	0.68193E-17	
	0.11270E+02	0.11398E-18	
	0.11955E+02	0.13465E-20	
	0.12640E+02	0.74092E-22	
	0.13325E+02	0.12854E-22	
	0.14010E+02	0.19150E-23	
	0.14695E+02	0.22529E-24	
	0.15380E+02	0.20621E-25	
	0.16065E+02	0.14466E-26	
	0.16750E+02	0.76523E-28	
	0.17435E+02	0.30020E-29	
	0.18120E+02	0.86695E-31	
	0.18805E+02	0.20142E-32	
	0.19490E+02	0.72131E-34	
	0.20175E+02	0.69613E-35	
	0.20860E+02	0.80123E-36	
	0.21545E+02	0.79601E-37	
	0.22230E+02	0.65779E-38	
	0.22915E+02	0.44760E-39	
	0.23600E+02	0.24866E-40	
	0.24285E+02	0.11199E-41	
	0.24970E+02	0.41065E-43	
	0.25655E+02	0.13112E-44	
	0.26340E+02	0.49662E-46	
	0.27025E+02	0.33698E-47	
	0.27710E+02	0.31196E-48	
	0.28395E+02	0.27728E-49	
	0.29080E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.62825E+00
	0.30500E+00	0.98918E+00	
	0.61000E+00	0.95714E+00	
	0.91500E+00	0.88854E+00	
	0.12200E+01	0.77339E+00	
	0.15250E+01	0.61688E+00	
	0.18300E+01	0.44202E+00	
	0.21350E+01	0.28003E+00	
	0.24400E+01	0.15497E+00	
	0.27450E+01	0.74168E-01	
	0.30500E+01	0.28996E-01	
	0.37350E+01	0.19138E-02	
	0.44200E+01	0.54611E-04	
	0.51050E+01	0.66703E-06	
	0.57900E+01	0.36770E-08	
	0.64750E+01	0.16942E-09	
	0.71600E+01	0.10619E-09	
	0.78450E+01	0.58668E-10	
	0.85300E+01	0.26654E-10	
	0.92150E+01	0.97493E-11	
	0.99000E+01	0.28142E-11	
	0.10585E+02	0.62828E-12	
	0.11270E+02	0.10622E-12	
	0.11955E+02	0.13295E-13	
	0.12640E+02	0.12027E-14	
	0.13325E+02	0.76725E-16	
	0.14010E+02	0.33769E-17	
	0.14695E+02	0.10355E-18	
	0.15380E+02	0.35269E-20	
	0.16065E+02	0.60706E-21	
	0.16750E+02	0.18928E-21	
	0.17435E+02	0.53059E-22	
	0.18120E+02	0.12750E-22	
	0.18805E+02	0.26023E-23	
	0.19490E+02	0.44723E-24	
	0.20175E+02	0.64120E-25	
	0.20860E+02	0.75930E-26	
	0.21545E+02	0.73490E-27	
	0.22230E+02	0.57538E-28	
	0.22915E+02	0.36245E-29	
	0.23600E+02	0.18963E-30	
	0.24285E+02	0.10734E-31	
	0.24970E+02	0.12884E-32	
	0.25655E+02	0.27367E-33	
	0.26340E+02	0.59501E-34	
	0.27025E+02	0.11642E-34	
	0.27710E+02	0.20131E-35	
	0.28395E+02	0.30579E-36	
	0.29080E+02	0.40587E-37	
	0.29765E+02	0.46812E-38	
	0.30450E+02	0.46675E-39	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.81755E+00
	0.30500E+00	0.99641E+00	
	0.61000E+00	0.98510E+00	
	0.91500E+00	0.95830E+00	
	0.12200E+01	0.90640E+00	
	0.15250E+01	0.82169E+00	
	0.18300E+01	0.70334E+00	
	0.21350E+01	0.56053E+00	
	0.24400E+01	0.41088E+00	
	0.27450E+01	0.27372E+00	
	0.30500E+01	0.15815E+00	
	0.37350E+01	0.30009E-01	
	0.44200E+01	0.20913E-02	
	0.51050E+01	0.17023E-03	
	0.57900E+01	0.49697E-05	
	0.64750E+01	0.76808E-07	
	0.71600E+01	0.86147E-09	
	0.78450E+01	0.20835E-09	
	0.85300E+01	0.16042E-09	
	0.92150E+01	0.11198E-09	
	0.99000E+01	0.68620E-10	
	0.10585E+02	0.36276E-10	
	0.11270E+02	0.16281E-10	
	0.11955E+02	0.61089E-11	
	0.12640E+02	0.18873E-11	
	0.13325E+02	0.47256E-12	
	0.14010E+02	0.94338E-13	
	0.14695E+02	0.14758E-13	
	0.15380E+02	0.17775E-14	
	0.16065E+02	0.16205E-15	
	0.16750E+02	0.11028E-16	
	0.17435E+02	0.56324E-18	
	0.18120E+02	0.27101E-19	
	0.18805E+02	0.41573E-20	
	0.19490E+02	0.19490E-20	
	0.20175E+02	0.73234E-21	
	0.20860E+02	0.27971E-21	
	0.21545E+02	0.95078E-22	
	0.22230E+02	0.28587E-22	
	0.22915E+02	0.75548E-23	
	0.23600E+02	0.17432E-23	
	0.24285E+02	0.34873E-24	
	0.24970E+02	0.60033E-25	
	0.25655E+02	0.88241E-26	
	0.26340E+02	0.10988E-26	
	0.27025E+02	0.11518E-27	
	0.27710E+02	0.10188E-28	
	0.28395E+02	0.80560E-30	
	0.29080E+02	0.78216E-31	
	0.29765E+02	0.15764E-31	
	0.30450E+02	0.49346E-32	

0.2500E+02	0.0000E+00	0.10000E+01	0.10067E+01
	0.30500E+00	0.99873E+00	
	0.61000E+00	0.99457E+00	
	0.91500E+00	0.98406E+00	
	0.12200E+01	0.96186E+00	
	0.15250E+01	0.92131E+00	
	0.18300E+01	0.85638E+00	
	0.21350E+01	0.76432E+00	
	0.24400E+01	0.64807E+00	
	0.27450E+01	0.51577E+00	
	0.30500E+01	0.37148E+00	
	0.37350E+01	0.12983E+00	
	0.44200E+01	0.28506E-01	
	0.51050E+01	0.38442E-02	
	0.57900E+01	0.31459E-03	
	0.64750E+01	0.15517E-04	
	0.71600E+01	0.45970E-06	
	0.78450E+01	0.84166E-08	
	0.85300E+01	0.34446E-09	
	0.92150E+01	0.23489E-09	
	0.99000E+01	0.20075E-09	
	0.10585E+02	0.15959E-09	
	0.11270E+02	0.11583E-09	
	0.11955E+02	0.75609E-10	
	0.12640E+02	0.43768E-10	
	0.13325E+02	0.22176E-10	
	0.14010E+02	0.97112E-11	
	0.14695E+02	0.36294E-11	
	0.15380E+02	0.11428E-11	
	0.16065E+02	0.29917E-12	
	0.16750E+02	0.64224E-13	
	0.17435E+02	0.11150E-13	
	0.18120E+02	0.15444E-14	
	0.18805E+02	0.16870E-15	
	0.19490E+02	0.14418E-16	
	0.20175E+02	0.97623E-18	
	0.20860E+02	0.65016E-19	
	0.21545E+02	0.12254E-19	
	0.22230E+02	0.61615E-20	
	0.22915E+02	0.33330E-20	
	0.23600E+02	0.16706E-20	
	0.24285E+02	0.76573E-21	
	0.24970E+02	0.31928E-21	
	0.25655E+02	0.12051E-21	
	0.26340E+02	0.40963E-22	
	0.27025E+02	0.12472E-22	
	0.27710E+02	0.33824E-23	
	0.28395E+02	0.81218E-24	
	0.29080E+02	0.17161E-24	
	0.29765E+02	0.31706E-25	
	0.30450E+02	0.50901E-26	

TIME DEPTH CONCENTRATION TOTAL FLUX

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.3000E+02	0.0000E+00	0.10000E+01	0.11957E+01
	0.30500E+00	0.99953E+00	
	0.61000E+00	0.99378E+00	
	0.91500E+00	0.99378E+00	
	0.12200E+01	0.98444E+00	
	0.15250E+01	0.96603E+00	
	0.18300E+01	0.93370E+00	
	0.21350E+01	0.88258E+00	
	0.24400E+01	0.80927E+00	
	0.27450E+01	0.71230E+00	
	0.30500E+01	0.58563E+00	
	0.37350E+01	0.29982E+00	
	0.44200E+01	0.10724E+00	
	0.51050E+01	0.26001E-01	
	0.57900E+01	0.42018E-02	
	0.64750E+01	0.44827E-03	
	0.71600E+01	0.31393E-04	
	0.78450E+01	0.14383E-05	
	0.85300E+01	0.43269E-07	
	0.92150E+01	0.11153E-08	
	0.99000E+01	0.27939E-09	
	0.10585E+02	0.25311E-09	
	0.11270E+02	0.22924E-09	
	0.11955E+02	0.19728E-09	
	0.12640E+02	0.15908E-09	
	0.13325E+02	0.11864E-09	
	0.14010E+02	0.80811E-10	
	0.14695E+02	0.49686E-10	
	0.15380E+02	0.27267E-10	
	0.16065E+02	0.13210E-10	
	0.16750E+02	0.55806E-11	
	0.17435E+02	0.20417E-11	
	0.18120E+02	0.63679E-12	
	0.18805E+02	0.16759E-12	
	0.19490E+02	0.36785E-13	
	0.20175E+02	0.66598E-14	
	0.20860E+02	0.90490E-15	
	0.21545E+02	0.11811E-15	
	0.22230E+02	0.11463E-16	
	0.22915E+02	0.92506E-18	
	0.23600E+02	0.83301E-19	
	0.24285E+02	0.22788E-19	
	0.24970E+02	0.13764E-19	
	0.25655E+02	0.87599E-20	
	0.26340E+02	0.52492E-20	
	0.27025E+02	0.29280E-20	
	0.27710E+02	0.15133E-20	
	0.28395E+02	0.72167E-21	
	0.29080E+02	0.31616E-21	
	0.29765E+02	0.12668E-21	
	0.30450E+02	0.46205E-22	

TIME DEPTH CONCENTRATION TOTAL FLUX

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.3500E+02	0.0000E+00	0.10000E+01	0.13847E+01
	0.30500E+00	0.99982E+00	

0.4000E+02	0.0000E+00	0.10000E+01	0.15737E+01
	0.30500E+00	0.99993E+00	
	0.61000E+00	0.99969E+00	
	0.91500E+00	0.99901E+00	

0.12200E+01	0.99736E+00
0.15250E+01	0.99379E+00
0.18300E+01	0.98674E+00
0.21350E+01	0.97391E+00
0.24400E+01	0.95217E+00
0.27450E+01	0.91696E+00
0.30500E+01	0.86941E+00
0.37350E+01	0.65995E+00
0.44200E+01	0.41262E+00
0.51050E+01	0.20101E+00
0.57900E+01	0.74234E-01
0.64750E+01	0.20436E-01
0.71600E+01	0.41508E-02
0.78450E+01	0.61803E-03
0.85300E+01	0.67178E-04
0.92150E+01	0.53166E-05
0.99000E+01	0.30602E-06
0.10585E+02	0.13046E-07
0.11270E+02	0.67142E-09
0.11955E+02	0.29189E-09
0.12640E+02	0.27989E-09
0.13325E+02	0.27314E-09
0.14010E+02	0.26218E-09
0.14695E+02	0.24552E-09
0.15380E+02	0.22234E-09
0.16065E+02	0.19285E-09
0.16750E+02	0.15864E-09
0.17435E+02	0.12255E-09
0.18120E+02	0.98066E-10
0.18805E+02	0.58322E-10
0.19490E+02	0.35273E-10
0.20175E+02	0.19306E-10
0.20860E+02	0.94762E-11
0.21545E+02	0.41328E-11
0.22230E+02	0.15865E-11
0.22915E+02	0.53109E-12
0.23600E+02	0.15362E-12
0.24285E+02	0.38084E-13
0.24970E+02	0.69375E-14
0.25655E+02	0.14373E-14
0.26340E+02	0.21726E-15
0.27025E+02	0.27793E-16
0.27710E+02	0.30564E-17
0.28395E+02	0.33082E-18
0.29080E+02	0.70996E-19
0.29765E+02	0.43383E-19
0.30450E+02	0.34229E-19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.17627E+01
	0.3050E+00	0.9997E+00	
	0.6100E+00	0.9998E+00	
	0.9150E+00	0.9996E+00	
	0.1220E+01	0.9989E+00	
	0.1525E+01	0.9973E+00	

0.24400E+01	0.98915E+00
0.27450E+01	0.97908E+00
0.30500E+01	0.95943E+00
0.37350E+01	0.87234E+00
0.44200E+01	0.71261E+00
0.51050E+01	0.50060E+00
0.57900E+01	0.29210E+00
0.64750E+01	0.13817E+00
0.71600E+01	0.52131E-01
0.78450E+01	0.15524E-01
0.85300E+01	0.36237E-02
0.92150E+01	0.65001E-03
0.99000E+01	0.93512E-04
0.10585E+02	0.10284E-04
0.11270E+02	0.87683E-06
0.11955E+02	0.58125E-07
0.12640E+02	0.32388E-08
0.13325E+02	0.40305E-09
0.14010E+02	0.28979E-09
0.14695E+02	0.28564E-09
0.15380E+02	0.28416E-09
0.16065E+02	0.28154E-09
0.16750E+02	0.27690E-09
0.17435E+02	0.26925E-09
0.18120E+02	0.25749E-09
0.18805E+02	0.24062E-09
0.19490E+02	0.21815E-09
0.20175E+02	0.19039E-09
0.20860E+02	0.15867E-09
0.21545E+02	0.12524E-09
0.22230E+02	0.92877E-10
0.22915E+02	0.64183E-10
0.23600E+02	0.41000E-10
0.24285E+02	0.24012E-10
0.24970E+02	0.12787E-10
0.25655E+02	0.61395E-11
0.26340E+02	0.26336E-11
0.27025E+02	0.10033E-11
0.27710E+02	0.33621E-12
0.28395E+02	0.98564E-13
0.29080E+02	0.25171E-13
0.29765E+02	0.55868E-14
0.30450E+02	0.10772E-14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.21407E+01
	0.3050E+00	0.9998E+00	
	0.6100E+00	0.9998E+00	
	0.9150E+00	0.9993E+00	
	0.1220E+01	0.9991E+00	
	0.1525E+01	0.9995E+00	
	0.1830E+01	0.9987E+00	
	0.2135E+01	0.9975E+00	
	0.2440E+01	0.9949E+00	
	0.2745E+01	0.9897E+00	

0.18300E+01	0.99415E+00
0.21350E+01	0.98804E+00
0.24400E+01	0.97705E+00
0.27450E+01	0.95787E+00
0.30500E+01	0.92309E+00
0.37350E+01	0.78662E+00
0.44200E+01	0.55248E+00
0.51050E+01	0.34691E+00
0.57900E+01	0.16625E+00
0.64750E+01	0.62115E-01
0.71600E+01	0.17858E-01
0.78450E+01	0.39177E-02
0.85300E+01	0.65230E-03
0.92150E+01	0.82138E-04
0.99000E+01	0.78034E-05
0.10585E+02	0.55861E-06
0.11270E+02	0.30339E-07
0.11955E+02	0.15022E-08
0.12640E+02	0.32282E-09
0.13325E+02	0.28558E-09
0.14010E+02	0.28247E-09
0.14695E+02	0.27826E-09
0.15380E+02	0.27106E-09
0.16065E+02	0.25962E-09
0.16750E+02	0.24281E-09
0.17435E+02	0.21999E-09
0.18120E+02	0.19144E-09
0.18805E+02	0.15861E-09
0.19490E+02	0.12400E-09
0.20175E+02	0.90696E-10
0.20860E+02	0.61523E-10
0.21545E+02	0.38379E-10
0.22230E+02	0.21830E-10
0.22915E+02	0.11225E-10
0.23600E+02	0.51721E-11
0.24285E+02	0.21168E-11
0.24970E+02	0.76287E-12
0.25655E+02	0.24011E-12
0.26340E+02	0.65531E-13
0.27025E+02	0.15444E-13
0.27710E+02	0.31197E-14
0.28395E+02	0.54152E-15
0.29080E+02	0.80734E-16
0.29765E+02	0.10403E-16
0.30450E+02	0.12095E-17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.19517E+01
	0.3050E+00	0.9999E+00	
	0.6100E+00	0.9999E+00	
	0.9150E+00	0.9998E+00	
	0.1220E+01	0.9995E+00	
	0.1525E+01	0.9986E+00	
	0.1830E+01	0.9974E+00	
	0.2135E+01	0.9945E+00	

0.30500E+01	0.97903E+00
0.37350E+01	0.92630E+00
0.44200E+01	0.81453E+00
0.51050E+01	0.63981E+00
0.57900E+01	0.43336E+00
0.64750E+01	0.24634E+00
0.71600E+01	0.11530E+00
0.78450E+01	0.43864E-01
0.85300E+01	0.13448E-01
0.92150E+01	0.33038E-02
0.99000E+01	0.64778E-03
0.10585E+02	0.10110E-03
0.11270E+02	0.12535E-04
0.11955E+02	0.12333E-05
0.12640E+02	0.96415E-07
0.13325E+02	0.62217E-08
0.14010E+02	0.57676E-09
0.14695E+02	0.29786E-09
0.15380E+02	0.28682E-09
0.16065E+02	0.28606E-09
0.16750E+02	0.28523E-09
0.17435E+02	0.28361E-09
0.18120E+02	0.28069E-09
0.18805E+02	0.27570E-09
0.19490E+02	0.26771E-09
0.20175E+02	0.25572E-09
0.20860E+02	0.23886E-09
0.21545E+02	0.21672E-09
0.22230E+02	0.18963E-09
0.22915E+02	0.15881E-09
0.23600E+02	0.12632E-09
0.24285E+02	0.94707E-10
0.24970E+02	0.66402E-10
0.25655E+02	0.43198E-10
0.26340E+02	0.25869E-10
0.27025E+02	0.14145E-10
0.27710E+02	0.70036E-11
0.28395E+02	0.31149E-11
0.29080E+02	0.12348E-11
0.29765E+02	0.43345E-12
0.30450E+02	0.13404E-12

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.23297E+01
	0.3050E+00	0.10000E+01	
	0.6100E+00	0.9999E+00	
	0.9150E+00	0.9997E+00	
	0.1220E+01	0.9992E+00	
	0.1525E+01	0.9997E+00	
	0.1830E+01	0.9995E+00	
	0.2135E+01	0.9989E+00	
	0.2440E+01	0.9976E+00	
	0.2745E+01	0.9950E+00	
	0.3050E+01	0.9893E+00	
	0.3735E+01	0.9585E+00	

0.44200E+01 0.88492E+00
 0.51050E+01 0.75274E+00
 0.57900E+01 0.57042E+00
 0.64750E+01 0.37425E+00
 0.71600E+01 0.20000E+00
 0.78450E+01 0.96532E-01
 0.85300E+01 0.36989E-01
 0.92150E+01 0.11623E-01
 0.99000E+01 0.29803E-02
 0.10585E+02 0.62152E-03
 0.11270E+02 0.10516E-03
 0.11955E+02 0.14412E-04
 0.12640E+02 0.15980E-05
 0.13325E+02 0.14343E-06
 0.14010E+02 0.10644E-07
 0.14695E+02 0.89169E-09
 0.15380E+02 0.31525E-09
 0.16065E+02 0.28781E-09
 0.16750E+02 0.28664E-09
 0.17435E+02 0.28637E-09
 0.18120E+02 0.28588E-09
 0.18805E+02 0.28489E-09
 0.19490E+02 0.28310E-09
 0.20175E+02 0.27992E-09
 0.20860E+02 0.27466E-09
 0.21545E+02 0.26642E-09
 0.22230E+02 0.25429E-09
 0.22915E+02 0.23748E-09
 0.23600E+02 0.21564E-09
 0.24285E+02 0.18911E-09
 0.24970E+02 0.15902E-09
 0.25655E+02 0.12728E-09
 0.26340E+02 0.96255E-10
 0.27025E+02 0.60250E-10
 0.27710E+02 0.45026E-10
 0.28395E+02 0.27419E-10
 0.29080E+02 0.15289E-10
 0.29765E+02 0.77428E-11
 0.30450E+02 0.35332E-11

0.57900E+01 0.68955E+00
 0.64750E+01 0.50573E+00
 0.71600E+01 0.32265E+00
 0.78450E+01 0.17598E+00
 0.85300E+01 0.81052E-01
 0.92150E+01 0.31253E-01
 0.99000E+01 0.10029E-01
 0.10585E+02 0.26671E-02
 0.11270E+02 0.58610E-03
 0.11955E+02 0.10620E-03
 0.12640E+02 0.15843E-04
 0.13325E+02 0.19438E-05
 0.14010E+02 0.19618E-06
 0.14695E+02 0.16498E-07
 0.15380E+02 0.13879E-08
 0.16065E+02 0.34811E-09
 0.16750E+02 0.28957E-09
 0.17435E+02 0.28690E-09
 0.18120E+02 0.28664E-09
 0.18805E+02 0.28651E-09
 0.19490E+02 0.28622E-09
 0.20175E+02 0.28571E-09
 0.20860E+02 0.28460E-09
 0.21545E+02 0.28262E-09
 0.22230E+02 0.27927E-09
 0.22915E+02 0.27377E-09
 0.23600E+02 0.26537E-09
 0.24285E+02 0.25315E-09
 0.24970E+02 0.23641E-09
 0.25655E+02 0.21487E-09
 0.26340E+02 0.18800E-09
 0.27025E+02 0.15930E-09
 0.27710E+02 0.12815E-09
 0.28395E+02 0.97570E-10
 0.29080E+02 0.69783E-10
 0.29765E+02 0.46521E-10
 0.30450E+02 0.28679E-10

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.25187E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.99999E+00	
	0.12200E+01	0.99996E+00	
	0.15250E+01	0.99991E+00	
	0.18300E+01	0.99978E+00	
	0.21350E+01	0.99950E+00	
	0.24400E+01	0.99890E+00	
	0.27450E+01	0.99729E+00	
	0.30500E+01	0.99460E+00	
	0.37350E+01	0.97719E+00	
	0.44200E+01	0.93079E+00	
	0.51050E+01	0.83708E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.27077E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.99999E+00	
	0.12200E+01	0.99998E+00	
	0.15250E+01	0.99996E+00	
	0.18300E+01	0.99990E+00	
	0.21350E+01	0.99977E+00	
	0.24400E+01	0.99949E+00	
	0.27450E+01	0.99884E+00	
	0.30500E+01	0.99729E+00	
	0.37350E+01	0.98762E+00	
	0.44200E+01	0.95399E+00	
	0.51050E+01	0.89622E+00	
	0.57900E+01	0.78472E+00	
	0.64750E+01	0.62700E+00	

0.71600E+01 0.44639E+00
 0.78450E+01 0.27783E+00
 0.85300E+01 0.14904E+00
 0.92150E+01 0.68220E-01
 0.99000E+01 0.26451E-01
 0.10585E+02 0.86439E-02
 0.11270E+02 0.23722E-02
 0.11955E+02 0.54530E-03
 0.12640E+02 0.10480E-03
 0.13325E+02 0.16815E-04
 0.14010E+02 0.22502E-05
 0.14695E+02 0.25118E-06
 0.15380E+02 0.23586E-07
 0.16065E+02 0.20808E-08
 0.16750E+02 0.40267E-09
 0.17435E+02 0.29284E-09
 0.18120E+02 0.28728E-09
 0.18805E+02 0.28658E-09
 0.19490E+02 0.28666E-09
 0.20175E+02 0.28665E-09
 0.20860E+02 0.28643E-09
 0.21545E+02 0.28627E-09
 0.22230E+02 0.28544E-09
 0.22915E+02 0.28436E-09
 0.23600E+02 0.28224E-09
 0.24285E+02 0.27866E-09
 0.24970E+02 0.27309E-09
 0.25655E+02 0.26452E-09
 0.26340E+02 0.25227E-09
 0.27025E+02 0.23566E-09
 0.27710E+02 0.21434E-09
 0.28395E+02 0.18868E-09
 0.29080E+02 0.15965E-09
 0.29765E+02 0.12894E-09
 0.30450E+02 0.98690E-10

0.85300E+01 0.23904E+00
 0.92150E+01 0.12639E+00
 0.99000E+01 0.57541E-01
 0.10585E+02 0.22421E-01
 0.11270E+02 0.74448E-02
 0.11955E+02 0.28978E-02
 0.12640E+02 0.50194E-03
 0.13325E+02 0.10152E-03
 0.14010E+02 0.17353E-04
 0.14695E+02 0.25041E-05
 0.15380E+02 0.30505E-06
 0.16065E+02 0.31563E-07
 0.16750E+02 0.29918E-08
 0.17435E+02 0.48418E-09
 0.18120E+02 0.29826E-09
 0.18805E+02 0.28807E-09
 0.19490E+02 0.28645E-09
 0.20175E+02 0.28674E-09
 0.20860E+02 0.28713E-09
 0.21545E+02 0.28629E-09
 0.22230E+02 0.28689E-09
 0.22915E+02 0.28645E-09
 0.23600E+02 0.28589E-09
 0.24285E+02 0.28556E-09
 0.24970E+02 0.28401E-09
 0.25655E+02 0.28185E-09
 0.26340E+02 0.27833E-09
 0.27025E+02 0.27245E-09
 0.27710E+02 0.26389E-09
 0.28395E+02 0.25168E-09
 0.29080E+02 0.23512E-09
 0.29765E+02 0.21407E-09
 0.30450E+02 0.18874E-09

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.28967E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.99999E+00	
	0.15250E+01	0.99998E+00	
	0.18300E+01	0.99996E+00	
	0.21350E+01	0.99990E+00	
	0.24400E+01	0.99976E+00	
	0.27450E+01	0.99944E+00	
	0.30500E+01	0.99864E+00	
	0.37350E+01	0.99336E+00	
	0.44200E+01	0.97664E+00	
	0.51050E+01	0.93570E+00	
	0.57900E+01	0.85587E+00	
	0.64750E+01	0.72972E+00	
	0.71600E+01	0.56655E+00	
	0.78450E+01	0.39261E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.30857E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.10000E+01	
	0.15250E+01	0.99999E+00	
	0.18300E+01	0.99998E+00	
	0.21350E+01	0.99995E+00	
	0.24400E+01	0.99989E+00	
	0.27450E+01	0.99973E+00	
	0.30500E+01	0.99932E+00	
	0.37350E+01	0.99647E+00	
	0.44200E+01	0.98677E+00	
	0.51050E+01	0.96107E+00	
	0.57900E+01	0.90633E+00	
	0.64750E+01	0.81099E+00	
	0.71600E+01	0.67372E+00	
	0.78450E+01	0.50921E+00	
	0.85300E+01	0.34431E+00	
	0.92150E+01	0.20556E+00	

0.99000E+01 0.10730E+00
 0.10585E+02 0.48624E-01
 0.11270E+02 0.19030E-01
 0.11955E+02 0.64081E-02
 0.12640E+02 0.18515E-02
 0.13325E+02 0.45808E-03
 0.14010E+02 0.96900E-04
 0.14695E+02 0.17505E-04
 0.15380E+02 0.26986E-05
 0.16065E+02 0.35493E-06
 0.16750E+02 0.40008E-07
 0.17435E+02 0.40767E-08
 0.18120E+02 0.59600E-09
 0.18805E+02 0.30627E-09
 0.19490E+02 0.28937E-09
 0.20175E+02 0.28682E-09
 0.20860E+02 0.28544E-09
 0.21545E+02 0.28828E-09
 0.22230E+02 0.28596E-09
 0.22915E+02 0.28652E-09
 0.23600E+02 0.28760E-09
 0.24285E+02 0.28585E-09
 0.24970E+02 0.28652E-09
 0.25655E+02 0.28638E-09
 0.26340E+02 0.28481E-09
 0.27025E+02 0.28402E-09
 0.27710E+02 0.28179E-09
 0.28395E+02 0.27771E-09
 0.29080E+02 0.27212E-09
 0.29765E+02 0.26355E-09
 0.30450E+02 0.25119E-09

0.11270E+02 0.41157E-01
 0.11955E+02 0.16172E-01
 0.12640E+02 0.55141E-02
 0.13325E+02 0.16276E-02
 0.14010E+02 0.41512E-03
 0.14695E+02 0.91364E-04
 0.15380E+02 0.17333E-04
 0.16065E+02 0.28326E-05
 0.16750E+02 0.39865E-06
 0.17435E+02 0.48486E-07
 0.18120E+02 0.53015E-08
 0.18805E+02 0.73938E-09
 0.19490E+02 0.31695E-09
 0.20175E+02 0.29069E-09
 0.20860E+02 0.28926E-09
 0.21545E+02 0.28242E-09
 0.22230E+02 0.28974E-09
 0.22915E+02 0.28736E-09
 0.23600E+02 0.28373E-09
 0.24285E+02 0.28999E-09
 0.24970E+02 0.28662E-09
 0.25655E+02 0.28488E-09
 0.26340E+02 0.28824E-09
 0.27025E+02 0.28626E-09
 0.27710E+02 0.28491E-09
 0.28395E+02 0.28592E-09
 0.29080E+02 0.28387E-09
 0.29765E+02 0.28089E-09
 0.30450E+02 0.27788E-09

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.8500E+02 0.0000E+00 0.10000E+01 0.32747E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.99999E+00
 0.21350E+01 0.99998E+00
 0.24400E+01 0.99995E+00
 0.27450E+01 0.99987E+00
 0.30500E+01 0.99966E+00
 0.37350E+01 0.99813E+00
 0.44200E+01 0.99260E+00
 0.51050E+01 0.97687E+00
 0.57900E+01 0.94064E+00
 0.64750E+01 0.87184E+00
 0.71600E+01 0.76290E+00
 0.78450E+01 0.61808E+00
 0.85300E+01 0.45561E+00
 0.92150E+01 0.30125E+00
 0.99000E+01 0.17670E+00
 0.10585E+02 0.91192E-01

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.9000E+02 0.0000E+00 0.10000E+01 0.34637E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.99999E+00
 0.24400E+01 0.99998E+00
 0.27450E+01 0.99994E+00
 0.30500E+01 0.99983E+00
 0.37350E+01 0.99902E+00
 0.44200E+01 0.99590E+00
 0.51050E+01 0.98647E+00
 0.57900E+01 0.96318E+00
 0.64750E+01 0.91539E+00
 0.71600E+01 0.83301E+00
 0.78450E+01 0.71288E+00
 0.85300E+01 0.56387E+00
 0.92150E+01 0.40608E+00
 0.99000E+01 0.26306E+00
 0.10585E+02 0.15186E+00
 0.11270E+02 0.77578E-01
 0.11955E+02 0.34887E-01

0.12640E+02 0.13758E-01
 0.13325E+02 0.47438E-02
 0.14010E+02 0.14272E-02
 0.14695E+02 0.37402E-03
 0.15380E+02 0.85276E-04
 0.16065E+02 0.16899E-04
 0.16750E+02 0.29087E-05
 0.17435E+02 0.43479E-06
 0.18120E+02 0.56596E-07
 0.18805E+02 0.66127E-08
 0.19490E+02 0.91387E-09
 0.20175E+02 0.33027E-09
 0.20860E+02 0.28981E-09
 0.21545E+02 0.29701E-09
 0.22230E+02 0.27655E-09
 0.22915E+02 0.28814E-09
 0.23600E+02 0.29479E-09
 0.24285E+02 0.27800E-09
 0.24970E+02 0.28805E-09
 0.25655E+02 0.29281E-09
 0.26340E+02 0.28088E-09
 0.27025E+02 0.28678E-09
 0.27710E+02 0.29090E-09
 0.28395E+02 0.28367E-09
 0.29080E+02 0.28534E-09
 0.29765E+02 0.28827E-09
 0.30450E+02 0.28446E-09

0.14010E+02 0.40807E-02
 0.14695E+02 0.12489E-02
 0.15380E+02 0.33537E-03
 0.16065E+02 0.78923E-04
 0.16750E+02 0.16263E-04
 0.17435E+02 0.29325E-05
 0.18120E+02 0.46264E-06
 0.18805E+02 0.64002E-07
 0.19490E+02 0.79498E-08
 0.20175E+02 0.11185E-08
 0.20860E+02 0.34689E-09
 0.21545E+02 0.28074E-09
 0.22230E+02 0.31508E-09
 0.22915E+02 0.27137E-09
 0.23600E+02 0.27401E-09
 0.24285E+02 0.31288E-09
 0.24970E+02 0.27618E-09
 0.25655E+02 0.27259E-09
 0.26340E+02 0.30659E-09
 0.27025E+02 0.28403E-09
 0.27710E+02 0.27317E-09
 0.28395E+02 0.29759E-09
 0.29080E+02 0.29009E-09
 0.29765E+02 0.27741E-09
 0.30450E+02 0.28886E-09

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.9500E+02 0.0000E+00 0.10000E+01 0.36527E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.10000E+01
 0.24400E+01 0.99999E+00
 0.27450E+01 0.99997E+00
 0.30500E+01 0.99992E+00
 0.37350E+01 0.99949E+00
 0.44200E+01 0.99775E+00
 0.51050E+01 0.99219E+00
 0.57900E+01 0.97757E+00
 0.64750E+01 0.94541E+00
 0.71600E+01 0.88559E+00
 0.78450E+01 0.79079E+00
 0.85300E+01 0.66208E+00
 0.92150E+01 0.51187E+00
 0.99000E+01 0.36073E+00
 0.10585E+02 0.22934E+00
 0.11270E+02 0.13050E+00
 0.11955E+02 0.66057E-01
 0.12640E+02 0.29611E-01
 0.13325E+02 0.11716E-01

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1000E+03 0.0000E+00 0.10000E+01 0.38417E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.10000E+01
 0.24400E+01 0.99999E+00
 0.27450E+01 0.99998E+00
 0.30500E+01 0.99996E+00
 0.37350E+01 0.99973E+00
 0.44200E+01 0.99877E+00
 0.51050E+01 0.99554E+00
 0.57900E+01 0.98654E+00
 0.64750E+01 0.96547E+00
 0.71600E+01 0.92349E+00
 0.78450E+01 0.85176E+00
 0.85300E+01 0.74611E+00
 0.92150E+01 0.61149E+00
 0.99000E+01 0.46265E+00
 0.10585E+02 0.31954E+00
 0.11270E+02 0.19969E+00
 0.11955E+02 0.11214E+00
 0.12640E+02 0.56294E-01
 0.13325E+02 0.25163E-01
 0.14010E+02 0.59858E-02
 0.14695E+02 0.35102E-02

0.15380E+02 0.10911E-02
 0.16065E+02 0.29949E-03
 0.16750E+02 0.72520E-04
 0.17435E+02 0.15479E-04
 0.18120E+02 0.29105E-05
 0.18805E+02 0.48207E-06
 0.19490E+02 0.70453E-07
 0.20175E+02 0.92504E-08
 0.20860E+02 0.13534E-08
 0.21545E+02 0.37973E-09
 0.22230E+02 0.25041E-09
 0.22915E+02 0.34809E-09
 0.23600E+02 0.28092E-09
 0.24285E+02 0.23025E-09
 0.24970E+02 0.33742E-09
 0.25655E+02 0.30191E-09
 0.26340E+02 0.23034E-09
 0.27025E+02 0.31121E-09
 0.27710E+02 0.31913E-09
 0.28395E+02 0.24772E-09
 0.29080E+02 0.28372E-09
 0.29765E+02 0.31789E-09
 0.30450E+02 0.27471E-09

0.16750E+02 0.26653E-03
 0.17435E+02 0.66232E-04
 0.18120E+02 0.14595E-04
 0.18805E+02 0.28504E-05
 0.19490E+02 0.49340E-06
 0.20175E+02 0.75780E-07
 0.20860E+02 0.10450E-08
 0.21545E+02 0.16219E-08
 0.22230E+02 0.41447E-09
 0.22915E+02 0.17449E-09
 0.23600E+02 0.39317E-09
 0.24285E+02 0.34047E-09
 0.24970E+02 0.13792E-09
 0.25655E+02 0.33544E-09
 0.26340E+02 0.39909E-09
 0.27025E+02 0.17340E-09
 0.27710E+02 0.24990E-09
 0.28395E+02 0.40578E-09
 0.29080E+02 0.25798E-09
 0.29765E+02 0.20372E-09
 0.30450E+02 0.34557E-09

TIME DEPTH CONCENTRATION TOTAL FLUX
INTO SOIL

0.1050E+03 0.00000E+00 0.10000E+01 0.40307E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.10000E+01
 0.24400E+01 0.10000E+01
 0.27450E+01 0.99999E+00
 0.30500E+01 0.99998E+00
 0.37350E+01 0.99986E+00
 0.44200E+01 0.99933E+00
 0.51050E+01 0.99748E+00
 0.57900E+01 0.99203E+00
 0.64750E+01 0.97854E+00
 0.71600E+01 0.94991E+00
 0.78450E+01 0.89755E+00
 0.85300E+01 0.81452E+00
 0.92150E+01 0.69994E+00
 0.99000E+01 0.56193E+00
 0.10585E+02 0.41655E+00
 0.11270E+02 0.28235E+00
 0.11955E+02 0.17367E+00
 0.12640E+02 0.96362E-01
 0.13325E+02 0.48011E-01
 0.14010E+02 0.21406E-01
 0.14695E+02 0.81481E-02
 0.15380E+02 0.30194E-02
 0.16065E+02 0.95184E-03

TIME DEPTH CONCENTRATION TOTAL FLUX
INTO SOIL

0.1100E+03 0.00000E+00 0.10000E+01 0.42197E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.10000E+01
 0.24400E+01 0.10000E+01
 0.27450E+01 0.10000E+01
 0.30500E+01 0.99999E+00
 0.37350E+01 0.99993E+00
 0.44200E+01 0.99964E+00
 0.51050E+01 0.99858E+00
 0.57900E+01 0.99533E+00
 0.64750E+01 0.98686E+00
 0.71600E+01 0.96782E+00
 0.78450E+01 0.93076E+00
 0.85300E+01 0.86789E+00
 0.92150E+01 0.77460E+00
 0.99000E+01 0.65313E+00
 0.10585E+02 0.51404E+00
 0.11270E+02 0.37377E+00
 0.11955E+02 0.24896E+00
 0.12640E+02 0.15091E+00
 0.13325E+02 0.82812E-01
 0.14010E+02 0.40977E-01
 0.14695E+02 0.18228E-01
 0.15380E+02 0.72520E-02
 0.16065E+02 0.25974E-02
 0.16750E+02 0.82939E-03
 0.17435E+02 0.23650E-03

0.18120E+02 0.60172E-04
 0.18805E+02 0.13650E-04
 0.19490E+02 0.27595E-05
 0.20175E+02 0.49727E-06
 0.20860E+02 0.79897E-07
 0.21545E+02 0.11481E-07
 0.22230E+02 0.19318E-08
 0.22915E+02 0.51029E-09
 0.23600E+02 0.13682E-10
 0.24285E+02 0.42319E-09
 0.24970E+02 0.51824E-09
 0.25655E+02 0.00000E+00
 0.26340E+02 0.21721E-09
 0.27025E+02 0.60953E-09
 0.27710E+02 0.19021E-09
 0.28395E+02 0.32070E-10
 0.29080E+02 0.48701E-09
 0.29765E+02 0.42604E-09
 0.30450E+02 0.63859E-10

0.19490E+02 0.12677E-04
 0.20175E+02 0.26450E-05
 0.20860E+02 0.49456E-06
 0.21545E+02 0.82787E-07
 0.22230E+02 0.12252E-07
 0.22915E+02 0.22938E-08
 0.23600E+02 0.72904E-09
 0.24285E+02 0.00000E+00
 0.24970E+02 0.35483E-09
 0.25655E+02 0.91982E-09
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.89924E-09
 0.28395E+02 0.50001E-09
 0.29080E+02 0.00000E+00
 0.29765E+02 0.32349E-09
 0.30450E+02 0.87617E-09

TIME DEPTH CONCENTRATION TOTAL FLUX
INTO SOIL

0.1150E+03 0.00000E+00 0.10000E+01 0.44087E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.10000E+01
 0.24400E+01 0.10000E+01
 0.27450E+01 0.10000E+01
 0.30500E+01 0.99999E+00
 0.37350E+01 0.99996E+00
 0.44200E+01 0.99981E+00
 0.51050E+01 0.99921E+00
 0.57900E+01 0.99729E+00
 0.64750E+01 0.99206E+00
 0.71600E+01 0.97966E+00
 0.78450E+01 0.95412E+00
 0.85300E+01 0.90803E+00
 0.92150E+01 0.83494E+00
 0.99000E+01 0.73273E+00
 0.10585E+02 0.60644E+00
 0.11270E+02 0.46830E+00
 0.11955E+02 0.33436E+00
 0.12640E+02 0.21911E+00
 0.13325E+02 0.13103E+00
 0.14010E+02 0.71174E-01
 0.14695E+02 0.34997E-01
 0.15380E+02 0.15535E-01
 0.16065E+02 0.62127E-02
 0.16750E+02 0.22346E-02
 0.17435E+02 0.77198E-03
 0.18120E+02 0.20933E-03
 0.18805E+02 0.54419E-04

TIME DEPTH CONCENTRATION TOTAL FLUX
INTO SOIL

0.1200E+03 0.00000E+00 0.10000E+01 0.45977E+01
 0.30500E+00 0.10000E+01
 0.61000E+00 0.10000E+01
 0.91500E+00 0.10000E+01
 0.12200E+01 0.10000E+01
 0.15250E+01 0.10000E+01
 0.18300E+01 0.10000E+01
 0.21350E+01 0.10000E+01
 0.24400E+01 0.10000E+01
 0.27450E+01 0.10000E+01
 0.30500E+01 0.10000E+01
 0.37350E+01 0.99998E+00
 0.44200E+01 0.99990E+00
 0.51050E+01 0.99956E+00
 0.57900E+01 0.99844E+00
 0.64750E+01 0.99525E+00
 0.71600E+01 0.98733E+00
 0.78450E+01 0.97013E+00
 0.85300E+01 0.93728E+00
 0.92150E+01 0.88190E+00
 0.99000E+01 0.79922E+00
 0.10585E+02 0.68964E+00
 0.11270E+02 0.56052E+00
 0.11955E+02 0.42503E+00
 0.12640E+02 0.29830E+00
 0.13325E+02 0.19253E+00
 0.14010E+02 0.11369E+00
 0.14695E+02 0.61180E-01
 0.15380E+02 0.29909E-01
 0.16065E+02 0.13252E-01
 0.16750E+02 0.53110E-02
 0.17435E+02 0.19227E-02
 0.18120E+02 0.62796E-03
 0.18805E+02 0.18487E-03
 0.19490E+02 0.49022E-04
 0.20175E+02 0.11701E-04

0.20860E+02 0.25131E-05
 0.21545E+02 0.48627E-06
 0.22230E+02 0.84495E-07
 0.22915E+02 0.12662E-07
 0.23600E+02 0.27148E-08
 0.24285E+02 0.12118E-08
 0.24970E+02 0.00000E+00
 0.25655E+02 0.00000E+00
 0.26340E+02 0.16676E-08
 0.27025E+02 0.37523E-10
 0.27710E+02 0.00000E+00
 0.28395E+02 0.10168E-08
 0.29080E+02 0.14430E-08
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

0.22230E+02 0.47347E-06
 0.22915E+02 0.85119E-07
 0.23600E+02 0.12511E-07
 0.24285E+02 0.31775E-08
 0.24970E+02 0.22174E-08
 0.25655E+02 0.00000E+00
 0.26340E+02 0.00000E+00
 0.27025E+02 0.28261E-08
 0.27710E+02 0.95926E-09
 0.28395E+02 0.00000E+00
 0.29080E+02 0.30475E-09
 0.29765E+02 0.32943E-08
 0.30450E+02 0.00000E+00

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.47867E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.10000E+01	
	0.15250E+01	0.10000E+01	
	0.18300E+01	0.10000E+01	
	0.21350E+01	0.10000E+01	
	0.24400E+01	0.10000E+01	
	0.27450E+01	0.10000E+01	
	0.30500E+01	0.10000E+01	
	0.37350E+01	0.99999E+00	
	0.44200E+01	0.99994E+00	
	0.51050E+01	0.99976E+00	
	0.57900E+01	0.99911E+00	
	0.64750E+01	0.99719E+00	
	0.71600E+01	0.99221E+00	
	0.78450E+01	0.98085E+00	
	0.85300E+01	0.95801E+00	
	0.92150E+01	0.91727E+00	
	0.99000E+01	0.85264E+00	
	0.10585E+02	0.76130E+00	
	0.11270E+02	0.64600E+00	
	0.11955E+02	0.51590E+00	
	0.12640E+02	0.38447E+00	
	0.13325E+02	0.26550E+00	
	0.14010E+02	0.16893E+00	
	0.14695E+02	0.98594E-01	
	0.15380E+02	0.52597E-01	
	0.16065E+02	0.25576E-01	
	0.16750E+02	0.11312E-01	
	0.17435E+02	0.45429E-02	
	0.18120E+02	0.16545E-02	
	0.18805E+02	0.54579E-03	
	0.19490E+02	0.16296E-03	
	0.20175E+02	0.44009E-04	
	0.20860E+02	0.10743E-04	
	0.21545E+02	0.23695E-05	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.49757E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.10000E+01	
	0.15250E+01	0.10000E+01	
	0.18300E+01	0.10000E+01	
	0.21350E+01	0.10000E+01	
	0.24400E+01	0.10000E+01	
	0.27450E+01	0.10000E+01	
	0.30500E+01	0.10000E+01	
	0.37350E+01	0.99999E+00	
	0.44200E+01	0.99997E+00	
	0.51050E+01	0.99987E+00	
	0.57900E+01	0.99950E+00	
	0.64750E+01	0.99835E+00	
	0.71600E+01	0.99526E+00	
	0.78450E+01	0.98790E+00	
	0.85300E+01	0.97235E+00	
	0.92150E+01	0.94314E+00	
	0.99000E+01	0.89415E+00	
	0.10585E+02	0.82063E+00	
	0.11270E+02	0.72177E+00	
	0.11955E+02	0.60244E+00	
	0.12640E+02	0.47300E+00	
	0.13325E+02	0.34671E+00	
	0.14010E+02	0.23579E+00	
	0.14695E+02	0.14804E+00	
	0.15380E+02	0.85463E-01	
	0.16065E+02	0.45225E-01	
	0.16750E+02	0.21883E-01	
	0.17435E+02	0.96630E-02	
	0.18120E+02	0.38881E-02	
	0.18805E+02	0.14239E-02	
	0.19490E+02	0.47846E-03	
	0.20175E+02	0.14341E-03	
	0.20860E+02	0.39388E-04	
	0.21545E+02	0.98158E-05	
	0.22230E+02	0.22190E-05	
	0.22915E+02	0.45732E-06	

0.23600E+02 0.84822E-07
 0.24285E+02 0.11505E-07
 0.24970E+02 0.35969E-08
 0.25655E+02 0.41888E-08
 0.26340E+02 0.00000E+00
 0.27025E+02 0.00000E+00
 0.27710E+02 0.42323E-08
 0.28395E+02 0.35495E-08
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.57813E-08

0.24970E+02 0.91581E-08
 0.25655E+02 0.37354E-08
 0.26340E+02 0.78346E-08
 0.27025E+02 0.00000E+00
 0.27710E+02 0.00000E+00
 0.28395E+02 0.51867E-08
 0.29080E+02 0.91089E-08
 0.29765E+02 0.00000E+00
 0.30450E+02 0.00000E+00

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1350E+03	0.00000E+00	0.10000E+01	0.51647E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.10000E+01	
	0.15250E+01	0.10000E+01	
	0.18300E+01	0.10000E+01	
	0.21350E+01	0.10000E+01	
	0.24400E+01	0.10000E+01	
	0.27450E+01	0.10000E+01	
	0.30500E+01	0.10000E+01	
	0.37350E+01	0.10000E+01	
	0.44200E+01	0.99998E+00	
	0.51050E+01	0.99993E+00	
	0.57900E+01	0.99972E+00	
	0.64750E+01	0.99904E+00	
	0.71600E+01	0.99715E+00	
	0.78450E+01	0.99245E+00	
	0.85300E+01	0.98207E+00	
	0.92150E+01	0.96160E+00	
	0.99000E+01	0.92544E+00	
	0.10585E+02	0.86810E+00	
	0.11270E+02	0.78531E+00	
	0.11955E+02	0.68122E+00	
	0.12640E+02	0.55946E+00	
	0.13325E+02	0.43212E+00	
	0.14010E+02	0.31179E+00	
	0.14695E+02	0.20900E+00	
	0.15380E+02	0.12959E+00	
	0.16065E+02	0.74051E-01	
	0.16750E+02	0.38892E-01	
	0.17435E+02	0.18732E-01	
	0.18120E+02	0.82596E-02	
	0.18805E+02	0.33295E-02	
	0.19490E+02	0.12256E-02	
	0.20175E+02	0.41159E-03	
	0.20860E+02	0.12602E-03	
	0.21545E+02	0.35159E-04	
	0.22230E+02	0.89307E-05	
	0.22915E+02	0.20654E-05	
	0.23600E+02	0.43902E-06	
	0.24285E+02	0.83850E-07	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1400E+03	0.00000E+00	0.10000E+01	0.53537E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.10000E+01	
	0.15250E+01	0.10000E+01	
	0.18300E+01	0.10000E+01	
	0.21350E+01	0.10000E+01	
	0.24400E+01	0.10000E+01	
	0.27450E+01	0.10000E+01	
	0.30500E+01	0.10000E+01	
	0.37350E+01	0.10000E+01	
	0.44200E+01	0.99999E+00	
	0.51050E+01	0.99995E+00	
	0.57900E+01	0.99984E+00	
	0.64750E+01	0.99944E+00	
	0.71600E+01	0.99830E+00	
	0.78450E+01	0.99534E+00	
	0.85300E+01	0.98852E+00	
	0.92150E+01	0.97447E+00	
	0.99000E+01	0.94841E+00	
	0.10585E+02	0.90491E+00	
	0.11270E+02	0.83938E+00	
	0.11955E+02	0.75014E+00	
	0.12640E+02	0.64020E+00	
	0.13325E+02	0.51754E+00	
	0.14010E+02	0.39348E+00	
	0.14695E+02	0.27968E+00	
	0.15380E+02	0.18494E+00	
	0.16065E+02	0.11332E+00	
	0.16750E+02	0.64142E-01	
	0.17435E+02	0.33452E-01	
	0.18120E+02	0.16044E-01	
	0.18805E+02	0.70646E-02	
	0.19490E+02	0.28525E-02	
	0.20175E+02	0.10551E-02	
	0.20860E+02	0.35717E-03	
	0.21545E+02	0.11060E-03	
	0.22230E+02	0.31309E-04	
	0.22915E+02	0.80942E-05	
	0.23600E+02	0.19119E-05	
	0.24285E+02	0.41992E-06	
	0.24970E+02	0.82591E-07	
	0.25655E+02	0.46955E-08	

0.26340E+02 0.30491E-08
 0.27025E+02 0.14216E-07
 0.27710E+02 0.00000E+00
 0.28395E+02 0.00000E+00
 0.29080E+02 0.39695E-08
 0.29765E+02 0.19124E-07
 0.30450E+02 0.00000E+00

0.27710E+02 0.24810E-07
 0.28395E+02 0.24413E-08
 0.29080E+02 0.00000E+00
 0.29765E+02 0.00000E+00
 0.30450E+02 0.34608E-07

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TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1450E+03	0.00000E+00	0.10000E+01	0.55427E+01
	0.30500E+00	0.10000E+01	
	0.61000E+00	0.10000E+01	
	0.91500E+00	0.10000E+01	
	0.12200E+01	0.10000E+01	
	0.15250E+01	0.10000E+01	
	0.18300E+01	0.10000E+01	
	0.21350E+01	0.10000E+01	
	0.24400E+01	0.10000E+01	
	0.27450E+01	0.10000E+01	
	0.30500E+01	0.10000E+01	
	0.37350E+01	0.10000E+01	
	0.44200E+01	0.10000E+01	
	0.51050E+01	0.99998E+00	
	0.57900E+01	0.99991E+00	
	0.64750E+01	0.99968E+00	
	0.71600E+01	0.99899E+00	
	0.78450E+01	0.99715E+00	
	0.85300E+01	0.99270E+00	
	0.92150E+01	0.98326E+00	
	0.99000E+01	0.96489E+00	
	0.10585E+02	0.93270E+00	
	0.11270E+02	0.88166E+00	
	0.11955E+02	0.80830E+00	
	0.12640E+02	0.71261E+00	
	0.13325E+02	0.59921E+00	
	0.14010E+02	0.47701E+00	
	0.14695E+02	0.35722E+00	
	0.15380E+02	0.25030E+00	
	0.16065E+02	0.16339E+00	
	0.16750E+02	0.99014E-01	
	0.17435E+02	0.55544E-01	
	0.18120E+02	0.28778E-01	
	0.18805E+02	0.13747E-01	
	0.19490E+02	0.60457E-02	
	0.20175E+02	0.24450E-02	
	0.20860E+02	0.90840E-03	
	0.21545E+02	0.30983E-03	
	0.22230E+02	0.96958E-04	
	0.22915E+02	0.27823E-04	
	0.23600E+02	0.73098E-05	
	0.24285E+02	0.17608E-05	
	0.24970E+02	0.40164E-06	
	0.25655E+02	0.81683E-07	
	0.26340E+02	0.00000E+00	
	0.27025E+02	0.42918E-09	

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

POLLUTE SIMULATION

ANALYSIS COMPLETED
 TIME - 11:28:30
 EXECUTION TIME 0:1

F

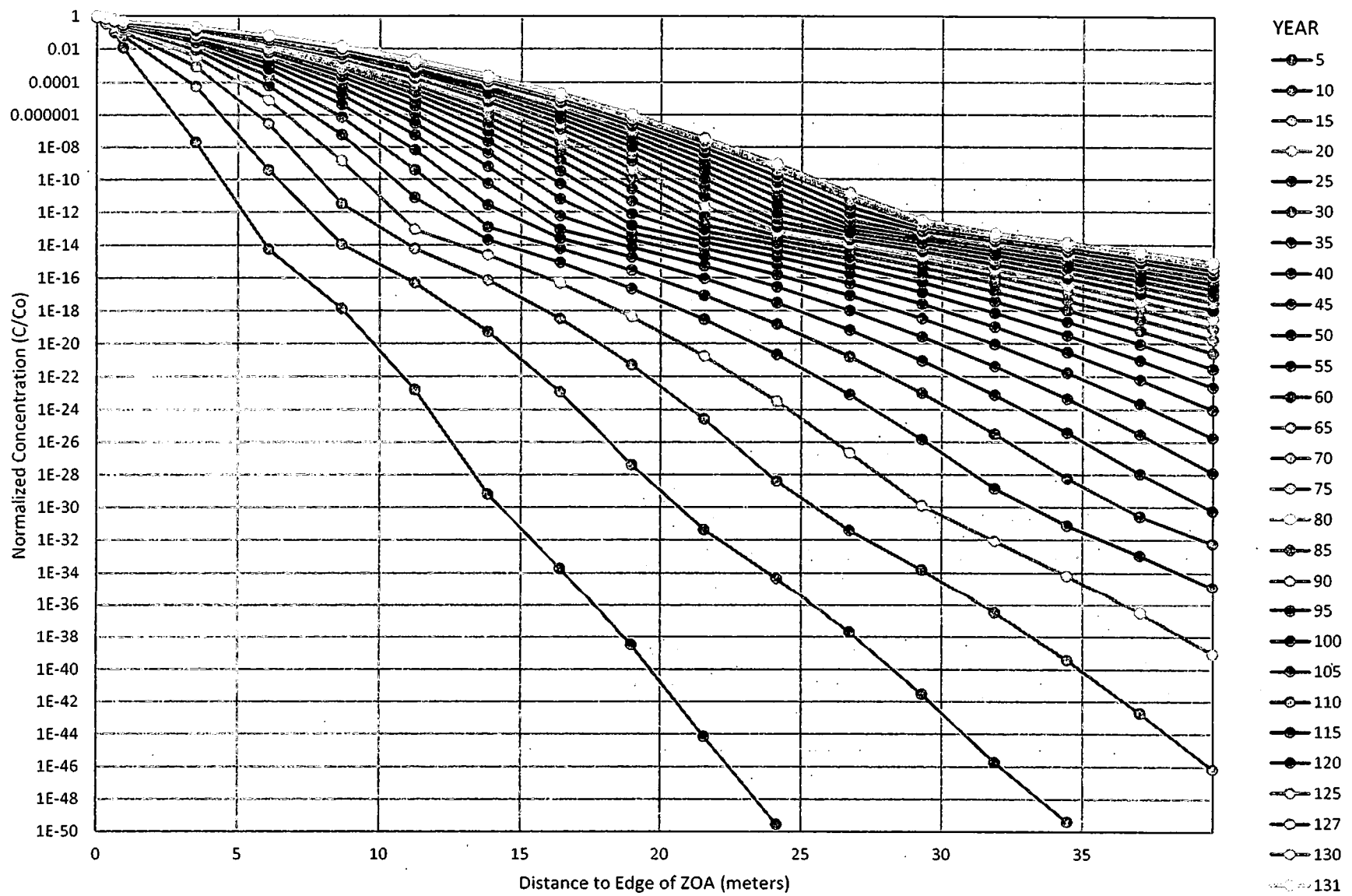
APPENDIX F

**SOUTH UNIT – BASELINE MODEL WITH TIME & DISTANCE PROFILES,
TABLE OF SENSITIVITY RESULTS, AND INPUT AND OUTPUT FILES**

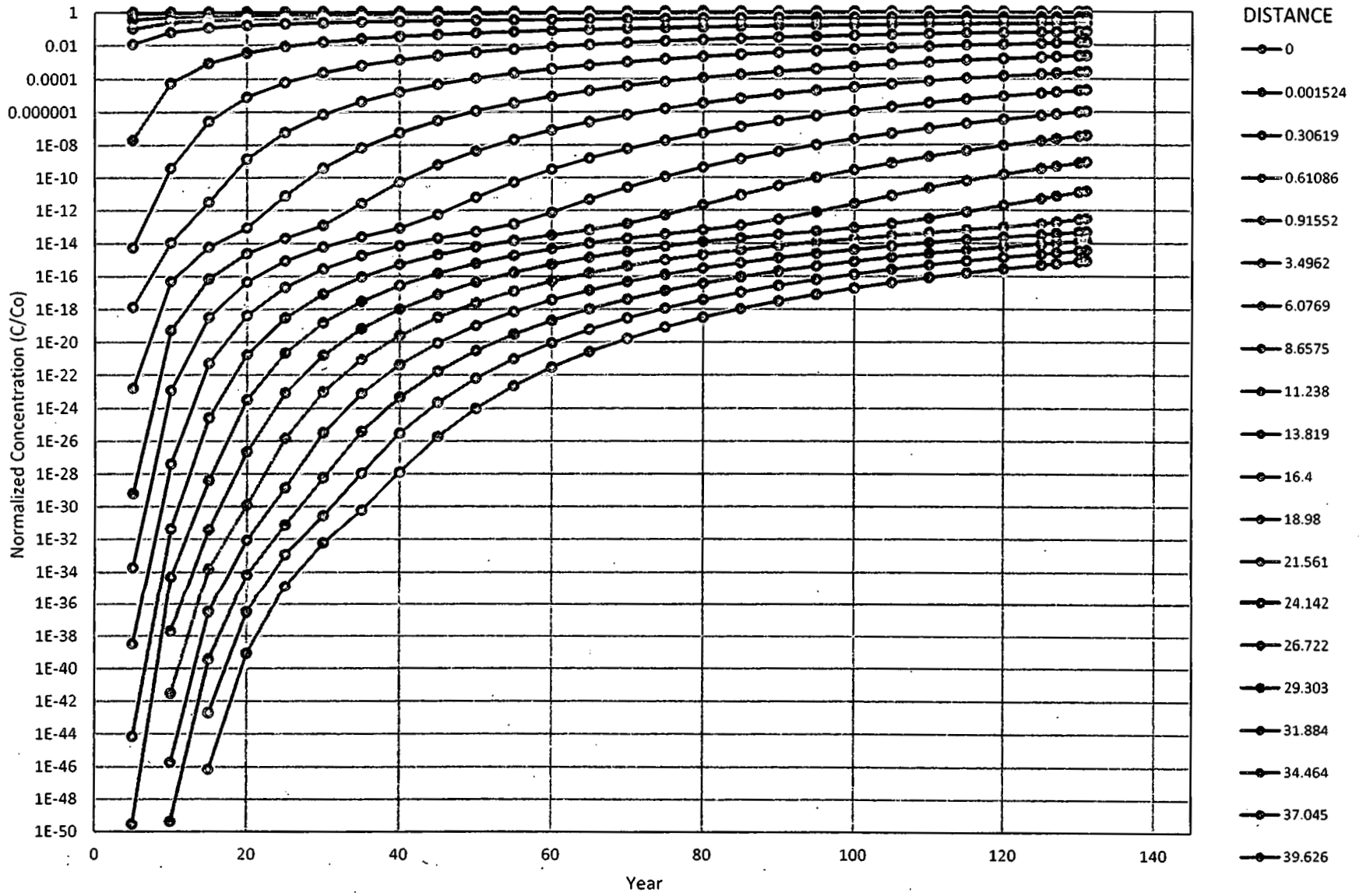
**SUMMARY TABLE OF SENSITIVITY RESULTS
POLLUTE - SOUTH UNIT**

File Name	Parameter	Value	MPF
SBASLIN	Baseline		8.5377E-16
SVAMN	Darcy Velocity	0.000107	3.9422E-16
SVAVMX	Darcy Velocity	0.0107	5.1894E-13
SL1DHMN	Diffusion Coefficient	0.000008	4.2049E-16
SL1DHMX	Diffusion Coefficient	0.0008	9.6141E-16
SL2SLMN	No. of Sublayer	1	8.5377E-16
SL2SLMX	No. of Sublayer	9	8.5377E-16
SL2RHOMN	Dry Density	1.61	8.5377E-16
SL2RHOMX	Dry Density	2.12	8.5377E-16
SL2NEMN	Porosity	0.29	7.7218E-16
SL2NEMX	Porosity	0.42	9.1073E-16
SL2DHMN	Diffusion Coefficient	0.00315	1.4580E-16
SL2DHMX	Diffusion Coefficient	0.0315	1.2289E-15
SL3SLMN	No. of Sublayer	10	8.5377E-16
SL3SLMX	No. of Sublayer	20	8.5377E-16
SL3RHOMN	Dry Density	1.13	8.5377E-16
SL3RHOMX	Dry Density	1.99	8.5377E-16
SL3NEMN	Porosity	0.32	1.2312E-15
SL3NEMX	Porosity	0.5	6.5167E-16
SL3DHMN	Diffusion Coefficient	0.00315	0.0000E+00
SL3DHMX	Diffusion Coefficient	0.173	3.2126E-10

South Unit - Concentration vs Distance



South Unit - Concentration vs Time



Southern Expansion Area - BASELINE (SBASELIN.IH)
0.00107

3 Va Darcy Velocity
NOLAY :No. of Layers

N	8e-05	1	0	0.94	0.001524	1
	0.018	0.36	0	1.91	0.914	3
	0.064	0.41	0	1.69	38.709999	15

2 ARE ANY LAYERS FRACTURED?

4 MT - Top Boundary Code
MB - Base Boundary Code
CO - Initial Source Conc.

N Is there Decay
N Do you have an initial concentration profile?
Y Accept default TALBOT parameters?

N Limited number of depths for results
N 28 NOTINE:No. of times of interest

N	5	10	15	20	25
	30	35	40	45	50
	55	60	65	70	75
	80	85	90	95	100
	105	110	115	120	125
	127	130	131		

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.....
*
*
* P O L L U T E v 6 S I M U L A T I O N
*
* RUN DATE - 26- 7--*
* TIME - 10:25:28
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
*
* LICENSED USER: Andrews Environmental Eng. Inc
.....
    
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Southern Expansion Area - BASELINE (SBASELIN.IH)

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-02
(Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.26000E-04	0.1000E+00	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.18000E-01	0.36000	0.0000E+00	1.9100	0.9140E+00
3	15	0.64000E-01	0.41000	0.0000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no radioactive or biological decay being considered

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.90941E-01
	0.15240E-02	0.79140E+00	
	0.30619E+00	0.34284E+00	
	0.61086E+00	0.99438E-01	
	0.91552E+00	0.12103E-01	
	0.34962E+01	0.19972E-07	
	0.60769E+01	0.53073E-14	
	0.86575E+01	0.13375E-17	
	0.11238E+02	0.15946E-22	
	0.13619E+02	0.62233E-29	
	0.16400E+02	0.18179E-33	
	0.18980E+02	0.31919E-38	
	0.21561E+02	0.70215E-44	
	0.24142E+02	0.27696E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.1000E+01	0.14167E+00
	0.15240E-02	0.84994E+00	
	0.30619E+00	0.49936E+00	
	0.61086E+00	0.23410E+00	
	0.91552E+00	0.61706E-01	
	0.34962E+01	0.55501E-04	
	0.60769E+01	0.38194E-09	
	0.86575E+01	0.10542E-13	
	0.11238E+02	0.48063E-16	
	0.13619E+02	0.52777E-19	
	0.16400E+02	0.11408E-22	
	0.18980E+02	0.39275E-27	
	0.21561E+02	0.41510E-31	
	0.24142E+02	0.44749E-34	
	0.26722E+02	0.19429E-37	
	0.29303E+02	0.29903E-41	
	0.31884E+02	0.17808E-45	
	0.34464E+02	0.41342E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
0.2000E+02	0.0000E+00	0.1000E+01	0.14167E+00
	0.15240E-02	0.84994E+00	
	0.30619E+00	0.49936E+00	
	0.61086E+00	0.23410E+00	
	0.91552E+00	0.61706E-01	
	0.34962E+01	0.55501E-04	
	0.60769E+01	0.38194E-09	
	0.86575E+01	0.10542E-13	
	0.11238E+02	0.48063E-16	
	0.13619E+02	0.52777E-19	
	0.16400E+02	0.11408E-22	
	0.18980E+02	0.39275E-27	
	0.21561E+02	0.41510E-31	
	0.24142E+02	0.44749E-34	
	0.26722E+02	0.19429E-37	
	0.29303E+02	0.29903E-41	
	0.31884E+02	0.17808E-45	
	0.34464E+02	0.41342E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

INTO SOIL

0.1500E+02	0.0000E+00	0.1000E+01	0.18226E+00
	0.15240E-02	0.87595E+00	
	0.30619E+00	0.57605E+00	
	0.61086E+00	0.31756E+00	
	0.91552E+00	0.11285E+00	
	0.34962E+01	0.86813E-03	
	0.60769E+01	0.27305E-06	
	0.86575E+01	0.32874E-11	
	0.11238E+02	0.58534E-14	
	0.13619E+02	0.69251E-16	
	0.16400E+02	0.31839E-18	
	0.18980E+02	0.51302E-21	
	0.21561E+02	0.25496E-24	
	0.24142E+02	0.38483E-28	
	0.26722E+02	0.37371E-31	
	0.29303E+02	0.14897E-33	
	0.31884E+02	0.32774E-36	
	0.34464E+02	0.36854E-39	
	0.37045E+02	0.20243E-42	
	0.39626E+02	0.67957E-46	

INTO SOIL

0.2000E+02	0.0000E+00	0.1000E+01	0.21782E+00
	0.15240E-02	0.89033E+00	
	0.30619E+00	0.62030E+00	
	0.61086E+00	0.37176E+00	
	0.91552E+00	0.15627E+00	
	0.34962E+01	0.35835E-02	
	0.60769E+01	0.77154E-05	
	0.86575E+01	0.13987E-08	
	0.11238E+02	0.84691E-13	
	0.13619E+02	0.23614E-14	
	0.16400E+02	0.44725E-16	
	0.18980E+02	0.41403E-18	
	0.21561E+02	0.17508E-20	
	0.24142E+02	0.31158E-23	
	0.26722E+02	0.21572E-26	
	0.29303E+02	0.12034E-29	
	0.31884E+02	0.84183E-32	
	0.34464E+02	0.64056E-34	
	0.37045E+02	0.30536E-36	
	0.39626E+02	0.87883E-39	

INTO SOIL

0.2500E+02	0.0000E+00	0.1000E+01	0.25041E+00
	0.15240E-02	0.89935E+00	
	0.30619E+00	0.64894E+00	
	0.61086E+00	0.40994E+00	
	0.91552E+00	0.19241E+00	
	0.34962E+01	0.85793E-02	
	0.60769E+01	0.58955E-04	

0.86575E+01 0.56770E-07
 0.11238E+02 0.76073E-11
 0.13819E+02 0.19625E-13
 0.16400E+02 0.83639E-15
 0.18980E+02 0.20896E-16
 0.21561E+02 0.29175E-18
 0.24142E+02 0.21662E-20
 0.26722E+02 0.80608E-23
 0.29303E+02 0.14137E-25
 0.31884E+02 0.13809E-28
 0.34464E+02 0.73303E-31
 0.37045E+02 0.11014E-32
 0.39626E+02 0.12028E-34

C.31384E+02 0.75156E-23
 0.34464E+02 0.36568E-25
 0.37045E+02 0.10780E-27
 0.39626E+02 0.57806E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.28105E+00
	0.15240E-02	0.90560E+00	
	0.30619E+00	0.66925E+00	
	0.61086E+00	0.43877E+00	
	0.91552E+00	0.22286E+00	
	0.34962E+01	0.15564E-01	
	0.60769E+01	0.23274E-03	
	0.86575E+01	0.68446E-06	
	0.11238E+02	0.38113E-09	
	0.13819E+02	0.11912E-12	
	0.16400E+02	0.58437E-14	
	0.18980E+02	0.27691E-15	
	0.21561E+02	0.82777E-17	
	0.24142E+02	0.15098E-18	
	0.26722E+02	0.16155E-20	
	0.29303E+02	0.96860E-23	
	0.31884E+02	0.31027E-25	
	0.34464E+02	0.56404E-28	
	0.37045E+02	0.26647E-30	
	0.39626E+02	0.57651E-32	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.10000E+01	0.31030E+00
	0.15240E-02	0.91026E+00	
	0.30619E+00	0.68471E+00	
	0.61086E+00	0.46176E+00	
	0.91552E+00	0.24898E+00	
	0.34962E+01	0.24037E-01	
	0.60769E+01	0.62787E-03	
	0.86575E+01	0.41069E-05	
	0.11238E+02	0.64338E-08	
	0.13819E+02	0.26404E-11	
	0.16400E+02	0.23640E-13	
	0.18980E+02	0.17365E-14	
	0.21561E+02	0.87982E-16	
	0.24142E+02	0.29750E-17	
	0.26722E+02	0.65293E-19	
	0.29303E+02	0.90036E-21	

0.15240E-02 0.91963E+00
 0.30619E+00 0.71645E+00
 0.61086E+00 0.51152E+00
 0.91552E+00 0.31012E+00
 0.34962E+01 0.54115E-01
 0.60769E+01 0.38836E-02
 0.86575E+01 0.10767E-03
 0.11238E+02 0.11173E-05
 0.13819E+02 0.42659E-08
 0.16400E+02 0.62135E-11
 0.18980E+02 0.50162E-13
 0.21561E+02 0.59864E-14
 0.24142E+02 0.58578E-15
 0.26722E+02 0.43288E-16
 0.29303E+02 0.24400E-17
 0.31884E+02 0.10062E-18
 0.34464E+02 0.30034E-20
 0.37045E+02 0.63502E-22
 0.39626E+02 0.92933E-24

0.16400E+02 0.32736E-09
 0.18980E+02 0.74438E-12
 0.21561E+02 0.31282E-13
 0.24142E+02 0.44933E-14
 0.26722E+02 0.52636E-15
 0.29303E+02 0.49102E-16
 0.31884E+02 0.36065E-17
 0.34464E+02 0.20594E-18
 0.37045E+02 0.90124E-20
 0.39626E+02 0.29749E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.41825E+00
	0.15240E-02	0.92191E+00	
	0.30619E+00	0.72431E+00	
	0.61086E+00	0.52426E+00	
	0.91552E+00	0.32657E+00	
	0.34962E+01	0.64746E-01	
	0.60769E+01	0.57650E-02	
	0.86575E+01	0.21736E-03	
	0.11238E+02	0.33665E-05	
	0.13819E+02	0.21059E-07	
	0.16400E+02	0.53145E-10	
	0.18980E+02	0.14768E-12	
	0.21561E+02	0.14653E-13	
	0.24142E+02	0.17805E-14	
	0.26722E+02	0.17006E-15	
	0.29303E+02	0.12597E-16	
	0.31884E+02	0.71378E-18	
	0.34464E+02	0.30467E-19	
	0.37045E+02	0.96277E-21	
	0.39626E+02	0.22092E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.44362E+00
	0.15240E-02	0.92395E+00	
	0.30619E+00	0.73133E+00	
	0.61086E+00	0.53577E+00	
	0.91552E+00	0.34161E+00	
	0.34962E+01	0.75395E-01	
	0.60769E+01	0.80385E-02	
	0.86575E+01	0.39172E-03	
	0.11238E+02	0.84728E-05	
	0.13819E+02	0.80014E-07	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.33847E+00
	0.15240E-02	0.91396E+00	
	0.30619E+00	0.69713E+00	
	0.61086E+00	0.48086E+00	
	0.91552E+00	0.27178E+00	
	0.34962E+01	0.23522E-01	
	0.60769E+01	0.13326E-02	
	0.86575E+01	0.15895E-04	
	0.11238E+02	0.54947E-07	
	0.13315E+02	0.54471E-10	
	0.16400E+02	0.81504E-13	
	0.18980E+02	0.68668E-14	
	0.21561E+02	0.51236E-15	
	0.24142E+02	0.27174E-16	
	0.26722E+02	0.10031E-17	
	0.29303E+02	0.25162E-19	
	0.31884E+02	0.41712E-21	
	0.34464E+02	0.44294E-23	
	0.37045E+02	0.29233E-25	
	0.39626E+02	0.12484E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.36576E+00
	0.15240E-02	0.91701E+00	
	0.30619E+00	0.70751E+00	
	0.61086E+00	0.49721E+00	
	0.91552E+00	0.29198E+00	
	0.34962E+01	0.43461E-01	
	0.60769E+01	0.24077E-02	
	0.86575E+01	0.45870E-04	
	0.11238E+02	0.29193E-06	
	0.13315E+02	0.61034E-09	
	0.16400E+02	0.56346E-12	
	0.18980E+02	0.20103E-13	
	0.21561E+02	0.20087E-14	
	0.24142E+02	0.15009E-15	
	0.26722E+02	0.82146E-17	
	0.29303E+02	0.32324E-18	
	0.31884E+02	0.89526E-20	
	0.34464E+02	0.17034E-21	
	0.37045E+02	0.21680E-23	
	0.39626E+02	0.18022E-25	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.39233E+00
	0.15240E-02	0.92736E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.85968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13315E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98385E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14088E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.85968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13315E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98385E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14088E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55589E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13315E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45065E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28826E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.39626E+02	0.16499E-19		
0.7500E+02	0.0000E+00	0.1000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.30619E+00	0.7488E+00	
	0.61086E+00	0.56481E+00	
	0.91552E+00	0.38031E+00	
	0.34962E+01	0.10665E+00	
	0.60769E+01	0.16932E-01	
	0.86575E+01	0.14525E-02	
	0.11238E+02	0.65577E-04	
	0.13819E+02	0.15343E-05	
	0.16400E+02	0.18429E-07	
	0.18980E+02	0.11353E-09	
	0.21561E+02	0.51197E-12	
	0.24142E+02	0.35075E-13	
	0.26722E+02	0.62840E-14	
	0.29303E+02	0.96209E-15	
	0.31884E+02	0.12303E-15	
	0.34464E+02	0.13039E-16	
	0.37045E+02	0.11352E-17	
	0.39626E+02	0.80415E-19	
0.8000E+02	0.0000E+00	0.1000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.30619E+00	0.75380E+00	
	0.61086E+00	0.57311E+00	
	0.91552E+00	0.39152E+00	
	0.34962E+01	0.11669E+00	
	0.60769E+01	0.20475E-01	
	0.86575E+01	0.20238E-02	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.36406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.31845E-18	
0.8500E+02	0.0000E+00	0.1000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.30619E+00	0.75843E+00	
	0.61086E+00	0.58087E+00	
	0.24142E+02	0.91624E-12	
	0.26722E+02	0.53091E-13	
	0.29303E+02	0.11692E-13	
	0.31884E+02	0.23454E-14	
	0.34464E+02	0.40935E-15	
	0.37045E+02	0.61807E-16	
	0.39626E+02	0.80274E-17	
0.1000E+03	0.0000E+00	0.1000E+01	0.63161E+00
	0.15240E-02	0.93524E+00	
	0.30619E+00	0.77068E+00	
	0.61086E+00	0.60153E+00	
	0.91552E+00	0.43033E+00	
	0.34962E+01	0.15454E+00	
	0.60769E+01	0.36673E-01	
	0.86575E+01	0.55495E-02	
	0.11238E+02	0.52375E-03	
	0.13819E+02	0.30405E-04	
	0.16400E+02	0.10761E-05	
	0.18980E+02	0.23085E-07	
	0.21561E+02	0.29974E-09	
	0.24142E+02	0.25990E-11	
	0.26722E+02	0.86359E-13	
	0.29303E+02	0.18707E-13	
	0.31884E+02	0.40722E-14	
	0.34464E+02	0.77877E-15	
	0.37045E+02	0.13002E-15	
	0.39626E+02	0.18853E-16	
0.1050E+03	0.0000E+00	0.1000E+01	0.65365E+00
	0.15240E-02	0.93627E+00	
	0.30619E+00	0.77430E+00	
	0.61086E+00	0.60769E+00	
	0.91552E+00	0.43881E+00	
	0.34962E+01	0.16342E+00	
	0.60769E+01	0.41093E-01	
	0.86575E+01	0.67451E-02	
	0.11238E+02	0.70740E-03	
	0.13819E+02	0.46764E-04	
	0.16400E+02	0.19316E-05	
	0.18980E+02	0.49566E-07	
	0.21561E+02	0.78791E-09	
	0.24142E+02	0.80687E-11	
	0.26722E+02	0.15430E-12	
	0.29303E+02	0.28727E-13	
	0.31884E+02	0.67090E-14	
	0.34464E+02	0.13929E-14	
	0.37045E+02	0.25451E-15	
	0.39626E+02	0.40734E-16	
0.1100E+03	0.0000E+00	0.1000E+01	0.67543E+00
	0.15240E-02	0.93726E+00	
	0.30619E+00	0.77775E+00	
	0.61086E+00	0.61355E+00	
	0.91552E+00	0.44689E+00	
	0.34962E+01	0.17206E+00	
	0.60769E+01	0.45614E-01	
	0.86575E+01	0.90624E-02	
	0.11238E+02	0.93068E-03	
	0.13819E+02	0.69240E-04	
	0.16400E+02	0.32914E-05	
	0.18980E+02	0.99395E-07	
	0.21561E+02	0.19004E-08	
	0.24142E+02	0.23368E-10	
	0.26722E+02	0.32306E-12	
	0.29303E+02	0.42855E-13	
	0.31884E+02	0.10566E-13	
	0.34464E+02	0.23625E-14	
	0.37045E+02	0.46830E-15	
	0.39626E+02	0.81928E-16	
0.1150E+03	0.0000E+00	0.1000E+01	0.69696E+00
	0.15240E-02	0.93819E+00	
	0.30619E+00	0.78103E+00	
	0.61086E+00	0.61913E+00	
	0.91552E+00	0.45461E+00	
	0.34962E+01	0.18048E+00	
	0.60769E+01	0.50218E-01	
	0.86575E+01	0.94975E-02	
	0.11238E+02	0.11967E-02	
	0.13819E+02	0.99177E-04	
	0.16400E+02	0.53598E-05	
	0.18980E+02	0.18781E-06	
	0.21561E+02	0.42517E-08	
	0.24142E+02	0.62543E-10	
	0.26722E+02	0.78109E-12	
	0.29303E+02	0.63325E-13	
	0.31884E+02	0.16007E-13	
	0.34464E+02	0.38268E-14	
	0.37045E+02	0.81672E-15	
	0.39626E+02	0.15489E-15	
0.1200E+03	0.0000E+00	0.1000E+01	0.71825E+00
	0.15240E-02	0.93908E+00	
	0.30619E+00	0.78415E+00	
	0.61086E+00	0.62445E+00	
	0.91552E+00	0.46200E+00	
	0.34962E+01	0.18869E+00	
	0.60769E+01	0.54890E-01	

0.31884E+02 0.20950E-23
 0.34464E+02 0.96729E-26
 0.37045E+02 0.28119E-28
 0.39626E+02 0.18713E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.16085E+00
	0.15240E-02	0.4949E+00	
	0.30619E+00	0.36091E+00	
	0.61086E+00	0.23755E+00	
	0.91552E+00	0.12518E+00	
	0.34962E+01	0.12549E-01	
	0.60769E+01	0.42121E-03	
	0.86575E+01	0.43902E-05	
	0.11238E+02	0.13607E-07	
	0.13819E+02	0.12428E-10	
	0.16400E+02	0.31456E-13	
	0.18980E+02	0.27483E-14	
	0.21561E+02	0.19328E-15	
	0.24142E+02	0.96773E-17	
	0.26722E+02	0.33779E-18	
	0.29303E+02	0.80226E-20	
	0.31884E+02	0.12608E-21	
	0.34464E+02	0.12710E-23	
	0.37045E+02	0.79902E-26	
	0.39626E+02	0.33684E-28	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.17801E+00
	0.15240E-02	0.50727E+00	
	0.30619E+00	0.37617E+00	
	0.61086E+00	0.25317E+00	
	0.91552E+00	0.13925E+00	
	0.34962E+01	0.17151E-01	
	0.60769E+01	0.80407E-03	
	0.86575E+01	0.13418E-04	
	0.11238E+02	0.76620E-07	
	0.13819E+02	0.14654E-09	
	0.16400E+02	0.15902E-12	
	0.18980E+02	0.84760E-14	
	0.21561E+02	0.80299E-15	
	0.24142E+02	0.56834E-16	
	0.26722E+02	0.29500E-17	
	0.29303E+02	0.11022E-18	
	0.31884E+02	0.29013E-20	
	0.34464E+02	0.52518E-22	
	0.37045E+02	0.63653E-24	
	0.39626E+02	0.50593E-26	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.19488E+00
	0.15240E-02	0.50727E+00	
	0.30619E+00	0.37617E+00	
	0.61086E+00	0.25317E+00	
	0.91552E+00	0.13925E+00	
	0.34962E+01	0.17151E-01	
	0.60769E+01	0.80407E-03	
	0.86575E+01	0.13418E-04	
	0.11238E+02	0.76620E-07	
	0.13819E+02	0.14654E-09	
	0.16400E+02	0.15902E-12	
	0.18980E+02	0.84760E-14	
	0.21561E+02	0.80299E-15	
	0.24142E+02	0.56834E-16	
	0.26722E+02	0.29500E-17	
	0.29303E+02	0.11022E-18	
	0.31884E+02	0.29013E-20	
	0.34464E+02	0.52518E-22	
	0.37045E+02	0.63653E-24	
	0.39626E+02	0.50593E-26	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.24415E+00
	0.15240E-02	0.54468E+00	
	0.30619E+00	0.42158E+00	
	0.61086E+00	0.30180E+00	
	0.91552E+00	0.18652E+00	
	0.34962E+01	0.38823E-01	
	0.60769E+01	0.42020E-02	
	0.86575E+01	0.22565E-03	
	0.11238E+02	0.58414E-05	
	0.13819E+02	0.71558E-07	
	0.16400E+02	0.41022E-09	
	0.18980E+02	0.12256E-11	
	0.21561E+02	0.28609E-13	
	0.24142E+02	0.44250E-14	
	0.26722E+02	0.58917E-15	
	0.29303E+02	0.63872E-16	
	0.31884E+02	0.55832E-17	
	0.34464E+02	0.38934E-18	
	0.37045E+02	0.21401E-19	
	0.39626E+02	0.91493E-21	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.26019E+00
	0.15240E-02	0.55186E+00	
	0.30619E+00	0.43041E+00	
	0.61086E+00	0.31160E+00	
	0.91552E+00	0.19658E+00	
	0.34962E+01	0.44649E-01	
	0.60769E+01	0.55421E-02	
	0.86575E+01	0.35983E-03	
	0.11238E+02	0.11894E-04	
	0.13819E+02	0.19666E-06	
	0.16400E+02	0.16083E-08	
	0.18980E+02	0.66605E-11	
	0.21561E+02	0.60941E-13	
	0.24142E+02	0.89481E-14	
	0.26722E+02	0.13787E-14	
	0.29303E+02	0.17629E-15	
	0.31884E+02	0.18530E-16	
	0.34464E+02	0.15864E-17	
	0.37045E+02	0.10952E-18	

0.15240E-02 0.51834E+00
 0.30619E+00 0.38950E+00
 0.61086E+00 0.26712E+00
 0.91552E+00 0.15231E+00
 0.34962E+01 0.22180E-01
 0.60769E+01 0.13613E-02
 0.86575E+01 0.33149E-04
 0.11238E+02 0.30895E-06
 0.13819E+02 0.10782E-08
 0.16400E+02 0.15211E-11
 0.18980E+02 0.21530E-13
 0.21561E+02 0.25141E-14
 0.24142E+02 0.23377E-15
 0.26722E+02 0.16567E-16
 0.29303E+02 0.88165E-18
 0.31884E+02 0.34641E-19
 0.34464E+02 0.98583E-21
 0.37045E+02 0.19889E-22
 0.39626E+02 0.27803E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.21152E+00
	0.15240E-02	0.52810E+00	
	0.30619E+00	0.40133E+00	
	0.61086E+00	0.27973E+00	
	0.91552E+00	0.16447E+00	
	0.34962E+01	0.27524E-01	
	0.60769E+01	0.21094E-02	
	0.86575E+01	0.70066E-04	
	0.11238E+02	0.97581E-06	
	0.13819E+02	0.55804E-08	
	0.16400E+02	0.13157E-10	
	0.18980E+02	0.55906E-13	
	0.21561E+02	0.64165E-14	
	0.24142E+02	0.74353E-15	
	0.26722E+02	0.67727E-16	
	0.29303E+02	0.47876E-17	
	0.31884E+02	0.25907E-18	
	0.34464E+02	0.10566E-19	
	0.37045E+02	0.31922E-21	
	0.39626E+02	0.70074E-23	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.22793E+00
	0.15240E-02	0.53681E+00	
	0.30619E+00	0.41195E+00	
	0.61086E+00	0.29123E+00	
	0.91552E+00	0.17584E+00	
	0.34962E+01	0.33096E-01	
	0.60769E+01	0.30561E-02	
	0.86575E+01	0.13162E-03	
	0.11238E+02	0.25637E-05	
	0.13819E+02	0.22144E-07	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.27606E+00
	0.15240E-02	0.55846E+00	
	0.30619E+00	0.43856E+00	
	0.61086E+00	0.32072E+00	
	0.91552E+00	0.20608E+00	
	0.34962E+01	0.50529E-01	
	0.60769E+01	0.70678E-02	
	0.86575E+01	0.54127E-03	
	0.11238E+02	0.22122E-04	
	0.13819E+02	0.47457E-06	
	0.16400E+02	0.52841E-08	
	0.18980E+02	0.30603E-10	
	0.21561E+02	0.16842E-12	
	0.24142E+02	0.16596E-13	
	0.26722E+02	0.29829E-14	
	0.29303E+02	0.42478E-15	
	0.31884E+02	0.52290E-16	
	0.34464E+02	0.53353E-17	
	0.37045E+02	0.44731E-18	
	0.39626E+02	0.30517E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.29179E+00
	0.15240E-02	0.56457E+00	
	0.30619E+00	0.44613E+00	
	0.61086E+00	0.32927E+00	
	0.91552E+00	0.21510E+00	
	0.34962E+01	0.56428E-01	
	0.60769E+01	0.87680E-02	
	0.86575E+01	0.77625E-03	
	0.11238E+02	0.38219E-04	
	0.13819E+02	0.10299E-05	
	0.16400E+02	0.15029E-07	
	0.18980E+02	0.11827E-09	
	0.21561E+02	0.61682E-12	
	0.24142E+02	0.29246E-13	
	0.26722E+02	0.55041E-14	
	0.29303E+02	0.91705E-15	
	0.31884E+02	0.12945E-15	
	0.34464E+02	0.15373E-16	
	0.37045E+02	0.15240E-17	
	0.39626E+02	0.12509E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.30737E+00
	0.15240E-02	0.57028E+00	
	0.30619E+00	0.45321E+00	
	0.61086E+00	0.33732E+00	

0.91552E+00	0.22367E+00
0.34962E+01	0.62320E-01
0.60769E+01	0.10630E-01
0.86575E+01	0.10700E-02
0.11238E+02	0.62111E-04
0.13819E+02	0.20476E-05
0.16400E+02	0.37943E-07
0.18980E+02	0.39285E-09
0.21561E+02	0.24318E-11
0.24142E+02	0.52384E-13
0.26722E+02	0.97580E-14
0.29303E+02	0.18092E-14
0.31884E+02	0.28789E-15
0.34464E+02	0.39032E-16
0.37045E+02	0.44785E-17
0.39626E+02	0.43171E-18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.32283E+00
	0.15240E-02	0.57562E+00	
	0.30619E+00	0.45996E+00	
	0.61086E+00	0.34492E+00	
	0.91552E+00	0.23188E+00	
	0.34962E+01	0.68184E-01	
	0.60769E+01	0.12641E-01	
	0.86575E+01	0.14268E-02	
	0.11238E+02	0.95903E-04	
	0.13819E+02	0.37830E-05	
	0.16400E+02	0.86707E-07	
	0.18980E+02	0.11472E-08	
	0.21561E+02	0.89550E-11	
	0.24142E+02	0.10684E-12	
	0.26722E+02	0.16310E-13	
	0.29303E+02	0.33118E-14	
	0.31884E+02	0.58575E-15	
	0.34464E+02	0.89248E-16	
	0.37045E+02	0.11645E-16	
	0.39626E+02	0.12927E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.33816E+00
	0.15240E-02	0.58065E+00	
	0.30619E+00	0.46613E+00	
	0.61086E+00	0.35213E+00	
	0.91552E+00	0.23965E+00	
	0.34962E+01	0.74005E-01	
	0.60769E+01	0.14788E-01	
	0.86575E+01	0.18498E-02	
	0.11238E+02	0.14180E-03	
	0.13819E+02	0.65694E-05	
	0.16400E+02	0.18215E-06	
	0.18980E+02	0.30029E-08	
	0.21561E+02	0.29606E-10	

INTO SOIL

0.1100E+03	0.00000E+00	0.10000E+01	0.38349E+00
	0.15240E-02	0.59423E+00	
	0.30619E+00	0.48311E+00	
	0.61086E+00	0.37180E+00	
	0.91552E+00	0.26120E+00	
	0.34962E+01	0.91101E-01	
	0.60769E+01	0.21916E-01	
	0.86575E+01	0.35330E-02	
	0.11238E+02	0.37449E-03	
	0.13819E+02	0.25772E-04	
	0.16400E+02	0.11414E-05	
	0.18980E+02	0.32330E-07	
	0.21561E+02	0.58356E-09	
	0.24142E+02	0.69227E-11	
	0.26722E+02	0.12724E-12	
	0.29303E+02	0.21830E-13	
	0.31884E+02	0.52769E-14	
	0.34464E+02	0.11464E-14	
	0.37045E+02	0.22078E-15	
	0.39626E+02	0.37527E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.39839E+00
	0.15240E-02	0.59833E+00	
	0.30619E+00	0.48825E+00	
	0.61086E+00	0.37780E+00	
	0.91552E+00	0.26785E+00	
	0.34962E+01	0.96656E-01	
	0.60769E+01	0.24483E-01	
	0.86575E+01	0.42340E-02	
	0.11238E+02	0.49085E-03	
	0.13819E+02	0.37680E-04	
	0.16400E+02	0.18990E-05	
	0.18980E+02	0.62451E-07	
	0.21561E+02	0.13348E-08	
	0.24142E+02	0.18777E-10	
	0.26722E+02	0.27259E-12	
	0.29303E+02	0.32197E-13	
	0.31884E+02	0.81245E-14	
	0.34464E+02	0.18894E-14	
	0.37045E+02	0.39214E-15	
	0.39626E+02	0.72323E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.41320E+00
	0.15240E-02	0.60226E+00	
	0.30619E+00	0.49318E+00	
	0.61086E+00	0.38357E+00	
	0.91552E+00	0.27425E+00	
	0.34962E+01	0.10213E+00	
	0.60769E+01	0.27127E-01	

0.24142E+02	0.26906E-12
0.26722E+02	0.25171E-13
0.29303E+02	0.56934E-14
0.31884E+02	0.11061E-14
0.34464E+02	0.18693E-15
0.37045E+02	0.27332E-16
0.39626E+02	0.34378E-17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.35338E+00
	0.15240E-02	0.58541E+00	
	0.30619E+00	0.47208E+00	
	0.61086E+00	0.35899E+00	
	0.91552E+00	0.24713E+00	
	0.34962E+01	0.79770E-01	
	0.60769E+01	0.17057E-01	
	0.86575E+01	0.23411E-02	
	0.11238E+02	0.20206E-03	
	0.13819E+02	0.10821E-04	
	0.16400E+02	0.35619E-06	
	0.18980E+02	0.71595E-08	
	0.21561E+02	0.87865E-10	
	0.24142E+02	0.78847E-12	
	0.26722E+02	0.41548E-13	
	0.29303E+02	0.92834E-14	
	0.31884E+02	0.19605E-14	
	0.34464E+02	0.36349E-15	
	0.37045E+02	0.58837E-16	
	0.39626E+02	0.82717E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.36849E+00
	0.15240E-02	0.58993E+00	
	0.30619E+00	0.47773E+00	
	0.61086E+00	0.36554E+00	
	0.91552E+00	0.25431E+00	
	0.34962E+01	0.85471E-01	
	0.60769E+01	0.19437E-01	
	0.86575E+01	0.29020E-02	
	0.11238E+02	0.27891E-03	
	0.13819E+02	0.17032E-04	
	0.16400E+02	0.65486E-06	
	0.18980E+02	0.13752E-07	
	0.21561E+02	0.23645E-09	
	0.24142E+02	0.23853E-11	
	0.26722E+02	0.68790E-13	
	0.29303E+02	0.14484E-13	
	0.31884E+02	0.32922E-14	
	0.34464E+02	0.66339E-15	
	0.37045E+02	0.11765E-15	
	0.39626E+02	0.18276E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.42792E+00
	0.15240E-02	0.60602E+00	
	0.30619E+00	0.49791E+00	
	0.61086E+00	0.38911E+00	
	0.91552E+00	0.28044E+00	
	0.34962E+01	0.10753E+00	
	0.60769E+01	0.29841E-01	
	0.86575E+01	0.58425E-02	
	0.11238E+02	0.79331E-03	
	0.13819E+02	0.73842E-04	
	0.16400E+02	0.46734E-05	
	0.18980E+02	0.19994E-06	
	0.21561E+02	0.57583E-08	
	0.24142E+02	0.11173E-09	
	0.26722E+02	0.16246E-11	
	0.29303E+02	0.72353E-13	
	0.31884E+02	0.17448E-13	
	0.34464E+02	0.45588E-14	
	0.37045E+02	0.10777E-14	
	0.39626E+02	0.22916E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.42792E+00
	0.15240E-02	0.60602E+00	
	0.30619E+00	0.49791E+00	
	0.61086E+00	0.38911E+00	
	0.91552E+00	0.28044E+00	
	0.34962E+01	0.10753E+00	
	0.60769E+01	0.29841E-01	
	0.86575E+01	0.58425E-02	
	0.11238E+02	0.79331E-03	
	0.13819E+02	0.73842E-04	
	0.16400E+02	0.46734E-05	
	0.18980E+02	0.19994E-06	
	0.21561E+02	0.57583E-08	
	0.24142E+02	0.11173E-09	
	0.26722E+02	0.16246E-11	
	0.29303E+02	0.72353E-13	
	0.31884E+02	0.17448E-13	
	0.34464E+02	0.45588E-14	
	0.37045E+02	0.10777E-14	
	0.39626E+02	0.22916E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.00000E+00	0.10000E+01	0.43378E+00
	0.15240E-02	0.60748E+00	
	0.30619E+00	0.49975E+00	
	0.61086E+00	0.39127E+00	
	0.91552E+00	0.28286E+00	
	0.34962E+01	0.10966E+00	
	0.60769E+01	0.30943E-01	
	0.86575E+01	0.61965E-02	
	0.11238E+02	0.86587E-03	
	0.13819E+02	0.83462E-04	
	0.16400E+02	0.55050E-05	
	0.18980E+02	0.24702E-06	
	0.21561E+02	0.75097E-08	
	0.24142E+02	0.15466E-09	
	0.26722E+02	0.23367E-11	
	0.29303E+02	0.87262E-13	

0.31884E+02 0.20072E-13
 0.34464E+02 0.53455E-14
 0.37045E+02 0.12943E-14
 0.39626E+02 0.28235E-15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.44255E+00
	0.15240E-02	0.60964E+00	
	0.30619E+00	0.50246E+00	
	0.61086E+00	0.39446E+00	
	0.91552E+00	0.28642E+00	
	0.34962E+01	0.11284E+00	
	0.60769E+01	0.32614E-01	
	0.86575E+01	0.47471E-02	
	0.11238E+02	0.98268E-03	
	0.13819E+02	0.59622E-04	
	0.16400E+02	0.69744E-05	
	0.18980E+02	0.33525E-06	
	0.21561E+02	0.11019E-07	
	0.24142E+02	0.24740E-09	
	0.26722E+02	0.39961E-11	
	0.29303E+02	0.11886E-12	
	0.31884E+02	0.24619E-13	
	0.34464E+02	0.67307E-14	
	0.37045E+02	0.16857E-14	
	0.39626E+02	0.38152E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1310E+03	0.0000E+00	0.10000E+01	0.44547E+00
	0.15240E-02	0.61035E+00	
	0.30619E+00	0.50335E+00	
	0.61086E+00	0.39551E+00	
	0.91552E+00	0.28760E+00	
	0.34962E+01	0.11390E+00	
	0.60769E+01	0.33175E-01	
	0.86575E+01	0.69359E-02	
	0.11238E+02	0.10238E-02	
	0.13819E+02	0.10550E-03	
	0.16400E+02	0.75293E-05	
	0.18980E+02	0.37006E-06	
	0.21561E+02	0.12474E-07	
	0.24142E+02	0.28802E-09	
	0.26722E+02	0.47645E-11	
	0.29303E+02	0.13285E-12	
	0.31884E+02	0.26319E-13	
	0.34464E+02	0.72514E-14	
	0.37045E+02	0.18359E-14	
	0.39626E+02	0.42049E-15	

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY TO THIS SOFTWARE. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

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*
*
* POLLUTE SIMULATION
*
* ANALYSIS COMPLETED
*
* TIME - 10:25:52
* EXECUTION TIME 0: 0
*
*
*
.....
    
```

Southern Expansion Area - SLIDHMK.IN
 0.00107 Va Darcy Velocity

N	0.0008	1	0	0.94	0.001524	1
	0.018	0.36	0	1.91	0.914	3
	0.064	0.41	0	1.69	38.709999	15

MT - Top Boundary Code
 MB - Base Boundary Code
 CO - Initial Source Conc.

N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?
 N Limited number of depths for results
 N NOTIME: No. of times of interest

28	5	10	15	20	25
	30	35	40	45	50
	55	60	65	70	75
	80	85	90	95	100
	105	110	115	120	125
	127	130	131		

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*
* POLLUTE v 6 SIMULATION
*
* RUN DATE - 26- 7- **
* TIME - 10:26:11
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT (c) R.K. ROWE & J.R. BOOKER 1983-1995
*
* LICENSED USER: Andrews Environmental Eng. Inc
*
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.....
 Southern Expansion Area - SLIDHMK.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.8000E-03	0.100E+01	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.1800E-01	0.36000	0.0000E+00	1.9100	0.9140E+00
3	15	0.6400E-01	0.41000	0.0000E+00	1.6900	0.3871E+02

THE TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration C0 = 0.1000E+01
 There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

INTO SOIL

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.1217E+00
	0.1524E-02	0.9778E+00	
	0.30619E+00	0.46690E+00	
	0.61086E+00	0.14899E+00	
	0.91552E+00	0.19916E-01	
	0.34962E+01	0.46096E-07	
	0.60769E+01	0.81071E-14	
	0.86575E+01	0.23111E-17	
	0.11238E+02	0.31275E-22	
	0.13819E+02	0.12925E-28	
	0.16400E+02	0.31748E-33	
	0.19980E+02	0.60151E-38	
	0.21561E+02	0.14204E-43	
	0.24142E+02	0.49144E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.1000E+01	0.17498E+00
	0.1524E-02	0.98447E+00	
	0.30619E+00	0.60908E+00	
	0.61086E+00	0.30040E+00	
	0.91552E+00	0.84079E-01	
	0.34962E+01	0.94721E-04	
	0.60769E+01	0.78315E-09	
	0.86575E+01	0.14391E-13	
	0.11238E+02	0.70352E-16	
	0.13819E+02	0.83034E-19	
	0.16400E+02	0.19394E-22	
	0.19980E+02	0.71711E-27	
	0.21561E+02	0.62352E-31	
	0.24142E+02	0.69370E-34	
	0.26722E+02	0.31513E-37	
	0.29303E+02	0.50810E-41	
	0.31884E+02	0.30789E-45	
	0.34464E+02	0.64315E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
	0.86575E+01	0.90871E-07	
	0.11238E+02	0.13124E-10	
	0.13819E+02	0.24134E-13	
	0.16400E+02	0.10577E-14	
	0.18980E+02	0.27303E-16	
	0.21561E+02	0.39447E-18	
	0.24142E+02	0.30356E-20	
	0.26722E+02	0.11729E-22	
	0.29303E+02	0.21373E-25	
	0.31884E+02	0.20843E-28	
	0.34464E+02	0.96911E-31	
	0.37045E+02	0.14688E-32	
	0.39626E+02	0.16377E-34	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.32016E+00
	0.1524E-02	0.99099E+00	
	0.30619E+00	0.74145E+00	
	0.61086E+00	0.49368E+00	
	0.91552E+00	0.25722E+00	
	0.34962E+01	0.19678E-01	
	0.60769E+01	0.32223E-03	
	0.86575E+01	0.10314E-05	
	0.11238E+02	0.62045E-09	
	0.13819E+02	0.16365E-12	
	0.16400E+02	0.71357E-14	
	0.18980E+02	0.34730E-15	
	0.21561E+02	0.10678E-16	
	0.24142E+02	0.20057E-18	
	0.26722E+02	0.22133E-20	
	0.29303E+02	0.13707E-22	
	0.31884E+02	0.45389E-25	
	0.34464E+02	0.83737E-28	
	0.37045E+02	0.35083E-30	
	0.39626E+02	0.74744E-32	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.35086E+00
	0.1524E-02	0.99055E+00	
	0.30619E+00	0.75324E+00	
	0.61086E+00	0.51467E+00	
	0.91552E+00	0.28364E+00	
	0.34962E+01	0.29594E-01	
	0.60769E+01	0.83730E-03	
	0.86575E+01	0.59088E-05	
	0.11238E+02	0.10011E-07	
	0.13819E+02	0.42473E-11	
	0.16400E+02	0.28273E-13	
	0.18980E+02	0.21153E-14	
	0.21561E+02	0.10973E-15	
	0.24142E+02	0.38035E-17	
	0.26722E+02	0.85693E-19	
	0.29303E+02	0.12139E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.21707E+00
	0.1524E-02	0.98717E+00	
	0.30619E+00	0.67100E+00	
	0.61086E+00	0.38247E+00	
	0.91552E+00	0.14224E+00	
	0.34962E+01	0.12944E-02	
	0.60769E+01	0.47179E-06	
	0.86575E+01	0.63002E-11	
	0.11238E+02	0.76579E-14	
	0.13819E+02	0.95277E-16	
	0.16400E+02	0.16159E-18	
	0.18980E+02	0.78563E-21	
	0.21561E+02	0.41347E-24	
	0.24142E+02	0.64466E-28	
	0.26722E+02	0.52706E-31	
	0.29303E+02	0.21499E-33	
	0.31884E+02	0.48861E-36	
	0.34464E+02	0.56828E-39	
	0.37045E+02	0.32269E-42	
	0.39626E+02	0.10780E-45	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.25402E+00
	0.1524E-02	0.98859E+00	
	0.30619E+00	0.70473E+00	
	0.61086E+00	0.43278E+00	
	0.91552E+00	0.18869E+00	
	0.34962E+01	0.49421E-02	
	0.60769E+01	0.12029E-04	
	0.86575E+01	0.24314E-08	
	0.11238E+02	0.11827E-12	
	0.13819E+02	0.30241E-14	
	0.16400E+02	0.59586E-16	
	0.18980E+02	0.57479E-18	
	0.21561E+02	0.25377E-20	
	0.24142E+02	0.47252E-23	
	0.26722E+02	0.34192E-26	
	0.29303E+02	0.17667E-29	
	0.31884E+02	0.11440E-31	
	0.34464E+02	0.89127E-34	
	0.37045E+02	0.43597E-36	
	0.39626E+02	0.12897E-38	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.28805E+00
	0.1524E-02	0.98947E+00	
	0.30619E+00	0.72617E+00	
	0.61086E+00	0.46750E+00	
	0.91552E+00	0.22616E+00	
	0.34962E+01	0.11244E-01	
	0.60769E+01	0.85782E-04	
	0.31884E+02	0.10427E-22	
	0.34464E+02	0.52237E-25	
	0.37045E+02	0.15659E-27	
	0.39626E+02	0.76127E-30	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.38047E+00
	0.1524E-02	0.99093E+00	
	0.30619E+00	0.76287E+00	
	0.61086E+00	0.53223E+00	
	0.91552E+00	0.30661E+00	
	0.34962E+01	0.40442E-01	
	0.60769E+01	0.17259E-02	
	0.86575E+01	0.22050E-04	
	0.11238E+02	0.81316E-07	
	0.13819E+02	0.85448E-10	
	0.16400E+02	0.10267E-12	
	0.18980E+02	0.61848E-14	
	0.21561E+02	0.62314E-15	
	0.24142E+02	0.33758E-16	
	0.26722E+02	0.12742E-17	
	0.29303E+02	0.32716E-19	
	0.31884E+02	0.55578E-21	
	0.34464E+02	0.60551E-23	
	0.37045E+02	0.41020E-25	
	0.39626E+02	0.17781E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.40916E+00
	0.1524E-02	0.99125E+00	
	0.30619E+00	0.77103E+00	
	0.61086E+00	0.54735E+00	
	0.91552E+00	0.32692E+00	
	0.34962E+01	0.51817E-01	
	0.60769E+01	0.30460E-02	
	0.86575E+01	0.61772E-04	
	0.11238E+02	0.41729E-06	
	0.13819E+02	0.92259E-09	
	0.16400E+02	0.83181E-12	
	0.18980E+02	0.23607E-13	
	0.21561E+02	0.23961E-14	
	0.24142E+02	0.18237E-15	
	0.26722E+02	0.10176E-16	
	0.29303E+02	0.40864E-18	
	0.31884E+02	0.11561E-19	
	0.34464E+02	0.22494E-21	
	0.37045E+02	0.29304E-23	
	0.39626E+02	0.24940E-25	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.1000E+01	0.43708E+00

0.15240E-02	0.99153E+00
0.30619E+00	0.77812E+00
0.61086E+00	0.56066E+00
0.91552E+00	0.34512E+00
0.34962E+01	0.63435E-01
0.60769E+01	0.48200E-02
0.86575E+01	0.14150E-03
0.11238E+02	0.15516E-05
0.13819E+02	0.62425E-08
0.16400E+02	0.94405E-11
0.18980E+02	0.59370E-13
0.21561E+02	0.70322E-14
0.24142E+02	0.69938E-15
0.26722E+02	0.53007E-16
0.29303E+02	0.30166E-17
0.31884E+02	0.12675E-18
0.34464E+02	0.38583E-20
0.37045E+02	0.83274E-22
0.39626E+02	0.12451E-23

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.5500E+02	0.00000E+00	0.10000E+01	0.46432E+00
0.15240E-02	0.99177E+00		
0.30619E+00	0.78440E+00		
0.61086E+00	0.57255E+00		
0.91552E+00	0.36160E+00		
0.34962E+01	0.75104E-01		
0.60769E+01	0.70425E-02		
0.86575E+01	0.27986E-03		
0.11238E+02	0.45622E-05		
0.13819E+02	0.29974E-07		
0.16400E+02	0.79082E-10		
0.18980E+02	0.19066E-12		
0.21561E+02	0.17009E-13		
0.24142E+02	0.20958E-14		
0.26722E+02	0.20323E-15		
0.29303E+02	0.15295E-16		
0.31884E+02	0.88120E-18		
0.34464E+02	0.38276E-19		
0.37045E+02	0.12318E-20		
0.39626E+02	0.28814E-22		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.6000E+02	0.00000E+00	0.10000E+01	0.49095E+00
0.15240E-02	0.99199E+00		
0.30619E+00	0.78004E+00		
0.61086E+00	0.58330E+00		
0.91552E+00	0.37667E+00		
0.34962E+01	0.86695E-01		
0.60769E+01	0.96898E-02		
0.86575E+01	0.49565E-03		
0.11238E+02	0.11245E-04		
0.13819E+02	0.11120E-06		

0.39626E+02 0.20331E-19

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.7500E+02	0.00000E+00	0.10000E+01	0.56777E+00
0.15240E-02	0.99254E+00		
0.30619E+00	0.80420E+00		
0.61086E+00	0.61052E+00		
0.91552E+00	0.41533E+00		
0.34962E+01	0.12031E+00		
0.60769E+01	0.19816E-01		
0.86575E+01	0.17673E-02		
0.11238E+02	0.82980E-04		
0.13819E+02	0.20179E-05		
0.16400E+02	0.25164E-07		
0.18980E+02	0.16056E-09		
0.21561E+02	0.69555E-12		
0.24142E+02	0.39995E-13		
0.26722E+02	0.72023E-14		
0.29303E+02	0.11146E-14		
0.31884E+02	0.14416E-15		
0.34464E+02	0.15458E-16		
0.37045E+02	0.13625E-17		
0.39626E+02	0.97762E-19		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.8000E+02	0.00000E+00	0.10000E+01	0.59248E+00
0.15240E-02	0.99269E+00		
0.30619E+00	0.80822E+00		
0.61086E+00	0.61831E+00		
0.91552E+00	0.42650E+00		
0.34962E+01	0.13100E+00		
0.60769E+01	0.23786E-01		
0.86575E+01	0.24380E-02		
0.11238E+02	0.13731E-03		
0.13819E+02	0.41815E-05		
0.16400E+02	0.68182E-07		
0.18980E+02	0.59242E-09		
0.21561E+02	0.29897E-11		
0.24142E+02	0.71496E-13		
0.26722E+02	0.13302E-13		
0.29303E+02	0.23213E-14		
0.31884E+02	0.34340E-15		
0.34464E+02	0.42746E-16		
0.37045E+02	0.44439E-17		
0.39626E+02	0.38264E-18		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.8500E+02	0.00000E+00	0.10000E+01	0.61681E+00
0.15240E-02	0.99283E+00		
0.30619E+00	0.81197E+00		
0.61086E+00	0.62558E+00		

0.15400E-02	0.47518E-09
0.31980E-02	0.10621E-11
0.21561E-02	0.36104E-13
0.21442E-02	0.52274E-14
0.25722E-02	0.62076E-15
0.25303E-02	0.58739E-16
0.31884E-02	0.43792E-17
0.34461E-02	0.25400E-18
0.37045E-02	0.11299E-19
0.3626E-02	0.37944E-21

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.6500E+02	0.00000E+00	0.10000E+01	0.51704E+00
0.15240E-02	0.99219E+00		
0.30619E+00	0.79517E+00		
0.61086E+00	0.59312E+00		
0.91552E+00	0.39053E+00		
0.34962E+01	0.98125E-01		
0.60769E+01	0.12728E-01		
0.86575E-01	0.80618E-03		
0.11238E+02	0.24193E-04		
0.13819E+02	0.33815E-06		
0.16400E+02	0.21802E-08		
0.18980E+02	0.67506E-11		
0.21561E+02	0.74788E-13		
0.24142E+02	0.11335E-13		
0.25722E+02	0.15942E-14		
0.29303E+02	0.18262E-15		
0.31884E+02	0.16871E-16		
0.34464E+02	0.12437E-17		
0.37045E+02	0.72299E-19		
0.3626E-02	0.32702E-20		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.7000E+02	0.00000E+00	0.10000E+01	0.54263E+00
0.15240E-02	0.99237E+00		
0.30619E+00	0.79986E+00		
0.61086E+00	0.60216E+00		
0.91552E+00	0.40337E+00		
0.34962E+01	0.10934E+00		
0.60769E+01	0.16116E-01		
0.86575E+01	0.12262E-02		
0.11238E+02	0.46768E-04		
0.13819E+02	0.87944E-06		
0.16400E+02	0.80728E-08		
0.18980E+02	0.36408E-10		
0.21561E+02	0.19027E-12		
0.24142E+02	0.22085E-13		
0.25722E+02	0.35758E-14		
0.29303E+02	0.48163E-15		
0.31884E+02	0.53336E-16		
0.34464E+02	0.48124E-17		
0.37045E+02	0.35025E-18		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.91552E+00	0.43700E+00
0.34962E+01	0.14142E+00
0.60769E+01	0.27989E-01
0.86575E+01	0.32438E-02
0.11238E+02	0.21449E-03
0.13819E+02	0.79665E-05
0.16400E+02	0.16458E-06
0.18980E+02	0.19806E-08
0.21561E+02	0.12201E-10
0.24142E+02	0.14220E-12
0.26722E+02	0.22921E-13
0.29303E+02	0.44336E-14
0.31884E+02	0.73798E-15
0.34464E+02	0.10460E-15
0.37045E+02	0.12556E-16
0.39626E+02	0.12668E-17

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.9000E+02	0.00000E+00	0.10000E+01	0.64077E+00
0.15240E-02	0.99297E+00		
0.30619E+00	0.81548E+00		
0.61086E+00	0.63242E+00		
0.91552E+00	0.44688E+00		
0.34962E+01	0.15156E+00		
0.60769E+01	0.32391E-01		
0.86575E+01	0.41874E-02		
0.11238E+02	0.31935E-03		
0.13819E+02	0.14150E-04		
0.16400E+02	0.36077E-06		
0.18980E+02	0.52613E-08		
0.21561E+02	0.44200E-10		
0.24142E+02	0.35687E-12		
0.26722E+02	0.37539E-13		
0.29303E+02	0.78821E-14		
0.31884E+02	0.14546E-14		
0.34464E+02	0.23111E-15		
0.37045E+02	0.31509E-16		
0.39626E+02	0.36531E-17		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.9500E+02	0.00000E+00	0.10000E+01	0.66438E+00
0.15240E-02	0.99310E+00		
0.30619E+00	0.81879E+00		
0.61086E+00	0.63886E+00		
0.91552E+00	0.45622E+00		
0.34962E+01	0.16142E+00		
0.60769E+01	0.36961E-01		
0.86575E+01	0.52635E-02		
0.11238E+02	0.45660E-03		
0.13819E+02	0.23691E-04		
0.16400E+02	0.72912E-06		
0.18980E+02	0.13229E-07		
0.21561E+02	0.14156E-09		

0.24142E+02 0.10937E-11
 0.26722E+02 0.60167E-13
 0.29303E+02 0.13197E-13
 0.31884E+02 0.26595E-14
 0.34464E+02 0.46999E-15
 0.37045E+02 0.71609E-16
 0.39626E+02 0.93884E-17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.68767E+00
	0.15240E-02	0.99322E+00	
	0.30619E+00	0.82190E+00	
	0.61086E+00	0.64494E+00	
	0.91552E+00	0.46507E+00	
	0.34962E+01	0.17101E+00	
	0.60769E+01	0.41671E-01	
	0.86575E+01	0.64881E-02	
	0.11238E+02	0.63069E-03	
	0.13819E+02	0.37721E-04	
	0.16400E+02	0.13752E-05	
	0.18980E+02	0.30372E-07	
	0.21561E+02	0.40553E-09	
	0.24142E+02	0.35402E-11	
	0.26722E+02	0.99866E-13	
	0.29303E+02	0.21022E-13	
	0.31884E+02	0.46103E-14	
	0.34464E+02	0.88922E-15	
	0.37045E+02	0.14967E-15	
	0.39626E+02	0.21894E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.71066E+00
	0.15240E-02	0.99333E+00	
	0.30619E+00	0.82485E+00	
	0.61086E+00	0.65070E+00	
	0.91552E+00	0.47348E+00	
	0.34962E+01	0.18033E+00	
	0.60769E+01	0.46496E-01	
	0.86575E+01	0.78409E-02	
	0.11238E+02	0.84573E-03	
	0.13819E+02	0.57521E-04	
	0.16400E+02	0.24443E-05	
	0.18980E+02	0.64500E-07	
	0.21561E+02	0.10535E-08	
	0.24142E+02	0.10986E-10	
	0.26722E+02	0.18524E-12	
	0.29303E+02	0.32183E-12	
	0.31884E+02	0.75593E-14	
	0.34464E+02	0.15816E-14	
	0.37045E+02	0.29129E-15	
	0.39626E+02	0.47008E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.71066E+00
	0.15240E-02	0.99333E+00	
	0.30619E+00	0.82485E+00	
	0.61086E+00	0.65070E+00	
	0.91552E+00	0.47348E+00	
	0.34962E+01	0.18033E+00	
	0.60769E+01	0.46496E-01	
	0.86575E+01	0.78409E-02	
	0.11238E+02	0.84573E-03	
	0.13819E+02	0.57521E-04	
	0.16400E+02	0.24443E-05	
	0.18980E+02	0.64500E-07	
	0.21561E+02	0.10535E-08	
	0.24142E+02	0.10986E-10	
	0.26722E+02	0.18524E-12	
	0.29303E+02	0.32183E-12	
	0.31884E+02	0.75593E-14	
	0.34464E+02	0.15816E-14	
	0.37045E+02	0.29129E-15	
	0.39626E+02	0.47008E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.79986E+00
	0.15240E-02	0.99373E+00	
	0.30619E+00	0.83526E+00	
	0.61086E+00	0.67111E+00	
	0.91552E+00	0.50338E+00	
	0.34962E+01	0.21507E+00	
	0.60769E+01	0.66500E-01	
	0.86575E+01	0.14499E-01	
	0.11238E+02	0.21819E-02	
	0.13819E+02	0.22392E-03	
	0.16400E+02	0.15537E-04	
	0.18980E+02	0.72453E-06	
	0.21561E+02	0.22617E-07	
	0.24142E+02	0.47211E-09	
	0.26722E+02	0.69078E-11	
	0.29303E+02	0.18338E-12	
	0.31884E+02	0.37235E-13	
	0.34464E+02	0.99893E-14	
	0.37045E+02	0.24409E-14	
	0.39626E+02	0.53635E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.00000E+00	0.10000E+01	0.80856E+00
	0.15240E-02	0.99376E+00	
	0.30619E+00	0.83620E+00	
	0.61086E+00	0.67295E+00	
	0.91552E+00	0.50609E+00	
	0.34962E+01	0.21833E+00	
	0.60769E+01	0.68996E-01	
	0.86575E+01	0.15266E-01	
	0.11238E+02	0.23615E-02	
	0.13819E+02	0.25074E-03	
	0.16400E+02	0.18117E-04	
	0.18980E+02	0.88556E-06	
	0.21561E+02	0.29167E-07	
	0.24142E+02	0.64630E-09	
	0.26722E+02	0.99774E-11	
	0.29303E+02	0.23265E-12	

INTO SOIL

0.1100E+03	0.00000E+00	0.10000E+01	0.73336E+00
	0.15240E-02	0.99344E+00	
	0.30619E+00	0.82765E+00	
	0.61086E+00	0.65618E+00	
	0.91552E+00	0.48148E+00	
	0.34962E+01	0.18938E+00	
	0.60769E+01	0.51415E-01	
	0.86575E+01	0.93236E-02	
	0.11238E+02	0.11054E-02	
	0.13819E+02	0.84503E-04	
	0.16400E+02	0.41276E-05	
	0.18980E+02	0.12804E-06	
	0.21561E+02	0.25134E-08	
	0.24142E+02	0.31596E-10	
	0.26722E+02	0.40703E-12	
	0.29303E+02	0.47997E-13	
	0.31884E+02	0.11854E-13	
	0.34464E+02	0.26697E-14	
	0.37045E+02	0.53319E-15	
	0.39626E+02	0.94011E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.75578E+00
	0.15240E-02	0.99354E+00	
	0.30619E+00	0.83031E+00	
	0.61086E+00	0.66139E+00	
	0.91552E+00	0.48911E+00	
	0.34962E+01	0.19818E+00	
	0.60769E+01	0.56408E-01	
	0.86575E+01	0.10931E-01	
	0.11238E+02	0.14129E-02	
	0.13819E+02	0.12017E-03	
	0.16400E+02	0.66661E-05	
	0.18980E+02	0.23971E-06	
	0.21561E+02	0.55661E-08	
	0.24142E+02	0.83805E-10	
	0.26722E+02	0.10195E-11	
	0.29303E+02	0.71327E-13	
	0.31884E+02	0.17891E-13	
	0.34464E+02	0.43057E-14	
	0.37045E+02	0.92551E-15	
	0.39626E+02	0.17682E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.77795E+00
	0.15240E-02	0.99364E+00	
	0.30619E+00	0.83284E+00	
	0.61086E+00	0.66636E+00	
	0.91552E+00	0.49640E+00	
	0.34962E+01	0.20674E+00	
	0.60769E+01	0.61457E-01	

	0.31884E+02	0.42669E-13	
	0.34464E+02	0.11636E-13	
	0.37045E+02	0.29993E-14	
	0.39626E+02	0.65558E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.82154E+00
	0.15240E-02	0.99382E+00	
	0.30619E+00	0.83757E+00	
	0.61086E+00	0.67566E+00	
	0.91552E+00	0.51007E+00	
	0.34962E+01	0.22316E+00	
	0.60769E+01	0.71672E-01	
	0.86575E+01	0.16447E-01	
	0.11238E+02	0.26474E-02	
	0.13819E+02	0.29523E-03	
	0.16400E+02	0.22615E-04	
	0.18980E+02	0.11831E-05	
	0.21561E+02	0.42100E-07	
	0.24142E+02	0.10170E-08	
	0.26722E+02	0.17054E-10	
	0.29303E+02	0.34480E-12	
	0.31884E+02	0.52172E-13	
	0.34464E+02	0.14501E-13	
	0.37045E+02	0.37476E-14	
	0.39626E+02	0.87560E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1310E+03	0.00000E+00	0.10000E+01	0.82585E+00
	0.15240E-02	0.99383E+00	
	0.30619E+00	0.83802E+00	
	0.61086E+00	0.67654E+00	
	0.91552E+00	0.51138E+00	
	0.34962E+01	0.22476E+00	
	0.60769E+01	0.72699E-01	
	0.86575E+01	0.16849E-01	
	0.11238E+02	0.27472E-02	
	0.13819E+02	0.31125E-03	
	0.16400E+02	0.24297E-04	
	0.18980E+02	0.12993E-05	
	0.21561E+02	0.47404E-07	
	0.24142E+02	0.11775E-08	
	0.26722E+02	0.20302E-10	
	0.29303E+02	0.39669E-12	
	0.31884E+02	0.55767E-13	
	0.34464E+02	0.15726E-13	
	0.37045E+02	0.40672E-14	
	0.39626E+02	0.96141E-15	

INTO SOIL

0.1500E+02	0.0000E+00	0.1000E+01	0.9073E-01
0.15240E-02	0.9532E+00		
0.30619E+00	0.3357E+00		
0.61086E+00	0.54054E-01		
0.91552E+00	0.11967E-02		
0.34962E+01	0.51437E-06		
0.60769E+01	0.80432E-11		
0.86575E+01	0.63350E-14		
0.11238E+02	0.82368E-16		
0.13819E+02	0.41890E-18		
0.16400E+02	0.75283E-21		
0.18980E+02	0.42144E-24		
0.21561E+02	0.68908E-28		
0.24142E+02	0.46888E-31		
0.26722E+02	0.19460E-33		
0.29303E+02	0.45649E-36		
0.31884E+02	0.54952E-39		
0.34464E+02	0.32348E-42		
0.37045E+02	0.10845E-45		
0.39626E+02	0.10795E-48		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.2000E+02	0.0000E+00	0.1000E+01	0.10719E+00
0.15240E-02	0.96070E+00		
0.30619E+00	0.41550E+00		
0.61086E+00	0.10077E+00		
0.91552E+00	0.42565E-02		
0.34962E+01	0.11684E-04		
0.60769E+01	0.26796E-08		
0.86575E+01	0.11124E-12		
0.11238E+02	0.24568E-14		
0.13819E+02	0.50099E-16		
0.16400E+02	0.50133E-18		
0.18980E+02	0.23042E-20		
0.21561E+02	0.44866E-23		
0.24142E+02	0.34044E-26		
0.26722E+02	0.16611E-29		
0.29303E+02	0.98061E-32		
0.31884E+02	0.77994E-34		
0.34464E+02	0.39075E-36		
0.37045E+02	0.11850E-38		
0.39626E+02	0.21048E-41		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.2500E+02	0.0000E+00	0.1000E+01	0.12206E+00
0.15240E-02	0.96576E+00		
0.30619E+00	0.47610E+00		
0.61086E+00	0.14783E+00		
0.91552E+00	0.92782E-02		
0.34962E+01	0.77822E-04		
0.60769E+01	0.91017E-07		

0.31884E+02	0.46833E-25		
0.34464E+02	0.14305E-27		
0.37045E+02	0.64001E-30		
0.39626E+02	0.15865E-31		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.4000E+02	0.0000E+00	0.1000E+01	0.16091E+00
0.15240E-02	0.97465E+00		
0.30619E+00	0.59375E+00		
0.61086E+00	0.26494E+00		
0.91552E+00	0.31167E-01		
0.34962E+01	0.14133E-02		
0.60769E+01	0.19182E-04		
0.86575E+01	0.75231E-07		
0.11238E+02	0.84038E-10		
0.13819E+02	0.84009E-13		
0.16400E+02	0.62237E-14		
0.18980E+02	0.48343E-15		
0.21561E+02	0.26711E-16		
0.24142E+02	0.10285E-17		
0.26722E+02	0.26951E-19		
0.29303E+02	0.46779E-21		
0.31884E+02	0.52139E-23		
0.34464E+02	0.36175E-25		
0.37045E+02	0.15936E-27		
0.39626E+02	0.93981E-30		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.4500E+02	0.0000E+00	0.1000E+01	0.17260E+00
0.15240E-02	0.97652E+00		
0.30619E+00	0.61999E+00		
0.61086E+00	0.29489E+00		
0.91552E+00	0.39355E-01		
0.34962E+01	0.24459E-02		
0.60769E+01	0.52356E-04		
0.86575E+01	0.37349E-06		
0.11238E+02	0.87254E-09		
0.13819E+02	0.78562E-12		
0.16400E+02	0.17665E-13		
0.18980E+02	0.18230E-14		
0.21561E+02	0.14135E-15		
0.24142E+02	0.80314E-17		
0.26722E+02	0.32644E-18		
0.29303E+02	0.94680E-20		
0.31884E+02	0.18786E-21		
0.34464E+02	0.24983E-23		
0.37045E+02	0.21720E-25		
0.39626E+02	0.12746E-27		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.5000E+02	0.0000E+00	0.1000E+01	0.18384E+00
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0.96375E+01	0.14447E-10		
0.11238E+02	0.18968E-13		
0.13819E+02	0.85005E-15		
0.16400E+02	0.22537E-16		
0.18980E+02	0.33613E-18		
0.21561E+02	0.26717E-20		
0.24142E+02	0.10695E-22		
0.26722E+02	0.20246E-25		
0.29303E+02	0.19916E-28		
0.31884E+02	0.81346E-31		
0.34464E+02	0.12376E-32		
0.37045E+02	0.14056E-34		
0.39626E+02	0.10875E-36		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.3000E+02	0.0000E+00	0.1000E+01	0.13580E+00
0.15240E-02	0.96948E+00		
0.30619E+00	0.52376E+00		
0.61086E+00	0.19151E+00		
0.91552E+00	0.15771E-01		
0.34962E+01	0.27938E-03		
0.60769E+01	0.96999E-06		
0.86575E+01	0.63411E-09		
0.11238E+02	0.14858E-12		
0.13819E+02	0.55578E-14		
0.16400E+02	0.27715E-15		
0.18980E+02	0.87335E-17		
0.21561E+02	0.16832E-18		
0.24142E+02	0.19089E-20		
0.26722E+02	0.12177E-22		
0.29303E+02	0.41621E-25		
0.31884E+02	0.78268E-28		
0.34464E+02	0.29458E-30		
0.37045E+02	0.61451E-32		
0.39626E+02	0.11837E-33		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.3500E+02	0.0000E+00	0.1000E+01	0.14869E+00
0.15240E-02	0.97235E+00		
0.30619E+00	0.56220E+00		
0.61086E+00	0.23059E+00		
0.91552E+00	0.23207E-01		
0.34962E+01	0.70277E-03		
0.60769E+01	0.53147E-05		
0.86575E+01	0.96666E-08		
0.11238E+02	0.43337E-11		
0.13819E+02	0.21616E-13		
0.16400E+02	0.16435E-14		
0.18980E+02	0.87134E-16		
0.21561E+02	0.30871E-17		
0.24142E+02	0.71128E-19		
0.26722E+02	0.10323E-20		
0.29303E+02	0.90971E-23		

0.15240E-02	0.97807E+00		
0.30619E+00	0.64200E+00		
0.61086E+00	0.32093E+00		
0.91552E+00	0.47569E-01		
0.34962E+01	0.38082E-02		
0.60769E+01	0.11744E-03		
0.86575E+01	0.13525E-05		
0.11238E+02	0.57175E-08		
0.13819E+02	0.90122E-11		
0.16400E+02	0.44921E-13		
0.18980E+02	0.52608E-14		
0.21561E+02	0.53255E-15		
0.24142E+02	0.41060E-16		
0.26722E+02	0.23763E-17		
0.29303E+02	0.10156E-18		
0.31884E+02	0.31456E-20		
0.34464E+02	0.69128E-22		
0.37045E+02	0.10534E-23		
0.39626E+02	0.10916E-25		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.5500E+02	0.0000E+00	0.1000E+01	0.19472E+00
0.15240E-02	0.97936E+00		
0.30619E+00	0.66060E+00		
0.61086E+00	0.34358E+00		
0.91552E+00	0.55679E-01		
0.34962E+01	0.54878E-02		
0.60769E+01	0.22826E-03		
0.86575E+01	0.38914E-05		
0.11238E+02	0.26741E-07		
0.13819E+02	0.73708E-10		
0.16400E+02	0.15862E-12		
0.18980E+02	0.12541E-13		
0.21561E+02	0.15712E-14		
0.24142E+02	0.15489E-15		
0.26722E+02	0.11844E-16		
0.29303E+02	0.69327E-18		
0.31884E+02	0.30595E-19		
0.34464E+02	0.10008E-20		
0.37045E+02	0.23806E-22		
0.39626E+02	0.40363E-24		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.6000E+02	0.0000E+00	0.1000E+01	0.20529E+00
0.15240E-02	0.98046E+00		
0.30619E+00	0.67641E+00		
0.61086E+00	0.36331E+00		
0.91552E+00	0.63604E-01		
0.34962E+01	0.74599E-02		
0.60769E+01	0.39832E-03		
0.86575E+01	0.94184E-05		
0.11238E+02	0.97053E-07		
0.13819E+02	0.43214E-09		

0.16400E+02	0.96177E-12		
0.18980E+02	0.26415E-13		
0.21561E+02	0.18642E-14		
0.24142E+02	0.46632E-15		
0.26722E+02	0.44811E-16		
0.29303E+02	0.33914E-17		
0.31884E+02	0.19965E-18		
0.34464E+02	0.90157E-20		
0.37045E+02	0.30742E-21		
0.39626E+02	0.77802E-23		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.21559E+00
	0.15240E-02	0.98138E+00	
	0.30619E+00	0.68992E+00	
	0.61086E+00	0.38055E+00	
	0.91552E+00	0.71295E-01	
	0.34962E+01	0.96931E-02	
	0.60769E+01	0.63959E-03	
	0.86575E+01	0.19951E-04	
	0.11238E+02	0.28971E-06	
	0.13819E+02	0.19405E-08	
	0.16400E+02	0.61748E-11	
	0.18980E+02	0.55775E-13	
	0.21561E+02	0.82735E-14	
	0.24142E+02	0.11819E-14	
	0.26722E+02	0.13745E-15	
	0.29303E+02	0.12884E-16	
	0.31884E+02	0.96388E-18	
	0.34464E+02	0.56796E-19	
	0.37045E+02	0.26058E-20	
	0.39626E+02	0.91694E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.22567E+00
	0.15240E-02	0.98218E+00	
	0.30619E+00	0.70152E+00	
	0.61086E+00	0.39566E+00	
	0.91552E+00	0.78725E-01	
	0.34962E+01	0.12154E-01	
	0.60769E+01	0.96178E-03	
	0.86575E+01	0.38050E-04	
	0.11238E+02	0.74149E-06	
	0.13819E+02	0.70524E-08	
	0.16400E+02	0.32862E-10	
	0.18980E+02	0.15264E-12	
	0.21561E+02	0.15946E-13	
	0.24142E+02	0.26193E-14	
	0.26722E+02	0.35806E-15	
	0.29303E+02	0.40218E-16	
	0.31884E+02	0.36790E-17	
	0.34464E+02	0.27139E-18	
	0.37045E+02	0.15967E-19	

0.91552E+00	0.99382E-01		
0.34962E+01	0.20574E-01		
0.60769E+01	0.24737E-02		
0.86575E+01	0.16897E-03		
0.11238E+02	0.64705E-05		
0.13819E+02	0.13771E-06		
0.16400E+02	0.16203E-08		
0.18980E+02	0.10751E-10		
0.21561E+02	0.10818E-12		
0.24142E+02	0.16287E-13		
0.26722E+02	0.31925E-14		
0.29303E+02	0.53846E-15		
0.31884E+02	0.77350E-16		
0.34464E+02	0.94024E-17		
0.37045E+02	0.96023E-18		
0.39626E+02	0.81742E-19		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.26433E+00
	0.15240E-02	0.98439E+00	
	0.30619E+00	0.73431E+00	
	0.61086E+00	0.44046E+00	
	0.91552E+00	0.10574E+00	
	0.34962E+01	0.23630E-01	
	0.60769E+01	0.31677E-02	
	0.86575E+01	0.24937E-03	
	0.11238E+02	0.11379E-04	
	0.13819E+02	0.29846E-06	
	0.16400E+02	0.44755E-08	
	0.18980E+02	0.38560E-10	
	0.21561E+02	0.28980E-12	
	0.24142E+02	0.26524E-13	
	0.26722E+02	0.56230E-14	
	0.29303E+02	0.10517E-14	
	0.31884E+02	0.16942E-15	
	0.34464E+02	0.23365E-16	
	0.37045E+02	0.27415E-17	
	0.39626E+02	0.27177E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.27369E+00
	0.15240E-02	0.98477E+00	
	0.30619E+00	0.74010E+00	
	0.61086E+00	0.44881E+00	
	0.91552E+00	0.11184E+00	
	0.34962E+01	0.26771E-01	
	0.60769E+01	0.3953E-02	
	0.86575E+01	0.35363E-03	
	0.11238E+02	0.18879E-04	
	0.13819E+02	0.59702E-06	
	0.16400E+02	0.11124E-07	
	0.18980E+02	0.12210E-09	
	0.21561E+02	0.92657E-12	

0.39626E+02	0.74006E-21		
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.23556E+00
	0.15240E-02	0.98286E+00	
	0.30619E+00	0.71152E+00	
	0.61036E+00	0.40896E+00	
	0.91552E+00	0.95883E-01	
	0.34962E+01	0.14808E-01	
	0.60769E+01	0.13721E-02	
	0.86575E+01	0.66712E-04	
	0.11238E+02	0.16778E-05	
	0.13819E+02	0.21630E-07	
	0.16400E+02	0.14255E-09	
	0.18980E+02	0.59996E-12	
	0.21561E+02	0.28724E-13	
	0.24142E+02	0.52170E-14	
	0.26722E+02	0.81928E-15	
	0.29303E+02	0.10745E-15	
	0.31884E+02	0.11677E-16	
	0.34464E+02	0.10427E-17	
	0.37045E+02	0.75790E-19	
	0.39626E+02	0.44369E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.24529E+00
	0.15240E-02	0.98344E+00	
	0.30619E+00	0.72019E+00	
	0.61036E+00	0.42071E+00	
	0.91552E+00	0.92767E-01	
	0.34962E+01	0.17624E-01	
	0.60769E+01	0.18753E-02	
	0.86575E+01	0.10922E-03	
	0.11238E+02	0.34340E-05	
	0.13819E+02	0.57776E-07	
	0.16400E+02	0.51775E-09	
	0.18980E+02	0.26406E-11	
	0.21561E+02	0.51954E-13	
	0.24142E+02	0.95368E-14	
	0.26722E+02	0.16881E-14	
	0.29303E+02	0.25320E-15	
	0.31884E+02	0.31937E-16	
	0.34464E+02	0.33628E-17	
	0.37045E+02	0.29319E-18	
	0.39626E+02	0.20974E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.25487E+00
	0.15240E-02	0.98395E+00	
	0.30619E+00	0.72772E+00	
	0.61036E+00	0.43115E+00	

0.24142E+02	0.42637E-13		
0.26722E+02	0.93338E-14		
0.29303E+02	0.19130E-14		
0.31884E+02	0.34112E-15		
0.34464E+02	0.52613E-16		
0.37045E+02	0.69799E-17		
0.39626E+02	0.79156E-18		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.28295E+00
	0.15240E-02	0.98511E+00	
	0.30619E+00	0.74521E+00	
	0.61086E+00	0.45633E+00	
	0.91552E+00	0.11770E+00	
	0.34962E+01	0.29977E-01	
	0.60769E+01	0.48370E-02	
	0.86575E+01	0.48476E-03	
	0.11238E+02	0.29807E-04	
	0.13819E+02	0.11155E-05	
	0.16400E+02	0.25274E-07	
	0.18980E+02	0.34591E-09	
	0.21561E+02	0.30405E-11	
	0.24142E+02	0.72171E-13	
	0.26722E+02	0.14753E-13	
	0.29303E+02	0.32760E-14	
	0.31884E+02	0.63967E-15	
	0.34464E+02	0.10902E-15	
	0.37045E+02	0.16135E-16	
	0.39626E+02	0.20623E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.29213E+00
	0.15240E-02	0.98541E+00	
	0.30619E+00	0.74974E+00	
	0.61086E+00	0.46314E+00	
	0.91552E+00	0.12335E+00	
	0.34962E+01	0.33230E-01	
	0.60769E+01	0.58062E-02	
	0.86575E+01	0.64543E-03	
	0.11238E+02	0.45102E-04	
	0.13819E+02	0.19658E-05	
	0.16400E+02	0.53162E-07	
	0.18980E+02	0.88937E-09	
	0.21561E+02	0.94263E-11	
	0.24142E+02	0.14028E-12	
	0.26722E+02	0.22448E-13	
	0.29303E+02	0.53290E-14	
	0.31884E+02	0.11289E-14	
	0.34464E+02	0.21043E-15	
	0.37045E+02	0.34353E-16	
	0.39626E+02	0.48874E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
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INTO SOIL

0.1100E+03	0.00000E+00	0.10000E+01	0.30124E+00
	0.15240E-02	0.98567E+00	
	0.30619E+00	0.75377E+00	
	0.61086E+00	0.46933E+00	
	0.91552E+00	0.12877E+00	
	0.34962E+01	0.36515E-01	
	0.60769E+01	0.68598E-02	
	0.86575E+01	0.83794E-03	
	0.11238E+02	0.65780E-04	
	0.13819E+02	0.32934E-05	
	0.16400E+02	0.10461E-06	
	0.18980E+02	0.21015E-08	
	0.21561E+02	0.26939E-10	
	0.24142E+02	0.32435E-12	
	0.26722E+02	0.33398E-13	
	0.29303E+02	0.82946E-14	
	0.31884E+02	0.18910E-14	
	0.34464E+02	0.38218E-15	
	0.37045E+02	0.68160E-16	
	0.39626E+02	0.10679E-16	

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1150E+03	0.00000E+00	0.10000E+01	0.31028E+00
	0.15240E-02	0.98590E+00	
	0.30619E+00	0.75739E+00	
	0.61086E+00	0.47498E+00	
	0.91552E+00	0.13400E+00	
	0.34962E+01	0.39821E-01	
	0.60769E+01	0.79932E-02	
	0.86575E+01	0.10642E-02	
	0.11238E+02	0.92913E-04	
	0.13819E+02	0.52797E-05	
	0.16400E+02	0.19426E-06	
	0.18980E+02	0.46126E-08	
	0.21561E+02	0.70884E-10	
	0.24142E+02	0.84112E-12	
	0.26722E+02	0.49913E-13	
	0.29303E+02	0.12433E-13	
	0.31884E+02	0.30277E-14	
	0.34464E+02	0.65847E-15	
	0.37045E+02	0.12723E-15	
	0.39626E+02	0.21753E-16	

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1200E+03	0.00000E+00	0.10000E+01	0.31926E+00
	0.15240E-02	0.98611E+00	
	0.30619E+00	0.76064E+00	
	0.61086E+00	0.48018E+00	
	0.91552E+00	0.13905E+00	
	0.34962E+01	0.43136E-01	
	0.60769E+01	0.92015E-02	

0.31884E+02	0.80525E-14
0.34464E+02	0.20362E-14
0.37045E+02	0.46391E-15
0.39626E+02	0.94882E-16

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1300E+03	0.00000E+00	0.10000E+01	0.33708E+00
	0.15240E-02	0.98647E+00	
	0.30619E+00	0.76626E+00	
	0.61086E+00	0.48942E+00	
	0.91552E+00	0.14862E+00	
	0.34962E+01	0.49761E-01	
	0.60769E+01	0.11822E-01	
	0.86575E+01	0.19594E-02	
	0.11238E+02	0.22411E-03	
	0.13819E+02	0.17565E-04	
	0.16400E+02	0.93872E-06	
	0.18980E+02	0.34092E-07	
	0.21561E+02	0.83992E-09	
	0.24142E+02	0.14285E-10	
	0.26722E+02	0.26620E-12	
	0.29303E+02	0.35825E-13	
	0.31884E+02	0.99996E-14	
	0.34464E+02	0.26130E-14	
	0.37045E+02	0.61720E-15	
	0.39626E+02	0.13128E-15	

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1310E+03	0.00000E+00	0.10000E+01	0.33886E+00
	0.15240E-02	0.98551E+00	
	0.30619E+00	0.76677E+00	
	0.61086E+00	0.49027E+00	
	0.91552E+00	0.14954E+00	
	0.34962E+01	0.50422E-01	
	0.60769E+01	0.12098E-01	
	0.86575E+01	0.20310E-02	
	0.11238E+02	0.23600E-03	
	0.13819E+02	0.18849E-04	
	0.16400E+02	0.10296E-05	
	0.18980E+02	0.38335E-07	
	0.21561E+02	0.97109E-09	
	0.24142E+02	0.16990E-10	
	0.26722E+02	0.30870E-12	
	0.29303E+02	0.38306E-13	
	0.31884E+02	0.10725E-13	
	0.34464E+02	0.28323E-14	
	0.37045E+02	0.67683E-15	
	0.39626E+02	0.14580E-15	

0.96575E+01	0.13258E-02
0.11238E+02	0.12761E-03
0.13819E+02	0.81436E-05
0.16400E+02	0.34287E-06
0.18980E+02	0.94908E-08
0.21561E+02	0.17275E-09
0.24142E+02	0.22404E-11
0.26722E+02	0.78285E-13
0.29303E+02	0.18059E-13
0.31884E+02	0.46604E-14
0.34464E+02	0.10836E-14
0.37045E+02	0.22522E-15
0.39626E+02	0.41688E-16

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1250E+03	0.00000E+00	0.10000E+01	0.32820E+00
	0.15240E-02	0.98630E+00	
	0.30619E+00	0.76359E+00	
	0.61086E+00	0.48497E+00	
	0.91552E+00	0.14391E+00	
	0.34962E+01	0.46452E-01	
	0.60769E+01	0.10480E-01	
	0.86575E+01	0.16239E-02	
	0.11238E+02	0.17097E-03	
	0.13819E+02	0.12141E-04	
	0.16400E+02	0.57867E-06	
	0.18980E+02	0.18447E-07	
	0.21561E+02	0.39289E-09	
	0.24142E+02	0.58020E-11	
	0.26722E+02	0.13567E-12	
	0.29303E+02	0.25605E-13	
	0.31884E+02	0.69305E-14	
	0.34464E+02	0.17128E-14	
	0.37045E+02	0.38055E-15	
	0.39626E+02	0.75738E-16	

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1270E+03	0.00000E+00	0.10000E+01	0.33176E+00
	0.15240E-02	0.98637E+00	
	0.30619E+00	0.76469E+00	
	0.61086E+00	0.48679E+00	
	0.91552E+00	0.14581E+00	
	0.34962E+01	0.47777E-01	
	0.60769E+01	0.11009E-01	
	0.86575E+01	0.17536E-02	
	0.11238E+02	0.19099E-03	
	0.13819E+02	0.14122E-04	
	0.16400E+02	0.70538E-06	
	0.18980E+02	0.23719E-07	
	0.21561E+02	0.53619E-09	
	0.24142E+02	0.83748E-11	
	0.26722E+02	0.17510E-12	
	0.29303E+02	0.29311E-13	

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

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- POLLUTE SIMULATION
-
- ANALYSIS COMPLETED
-
- TIME 10:26:36
- EXECUTION TIME 0:1
.....

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Southern Expansion Area - SL2DHMX.IN

0.00107 Va Darcy Velocity
 3 NOLAY :No. of Layers
 N ARE ANY LAYERS FRACTURED?
 8e-05 1 0 0.94 0.001524 1
 0.0315 0.36 0 1.91 0.914 3
 0.064 0.41 0 1.69 38.709999 15
 2 MT - Top Boundary Code
 4 NB - Base Boundary Code
 CO - Initial Source Conc.
 N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?
 N Limited number of depths for results
 28 NOTIME:No. of times of interest
 5 10 15 20 25
 30 35 40 45 50
 55 60 65 70 75
 80 85 90 95 100
 105 110 115 120 125
 127 130 131

POLLUTEV6 SIMULATION
 RUN DATE - 26-7-94
 TIME - 10:27:3
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

Southern Expansion Area - SL2DHMX.IN

THE DARCY VELOCITY (flux) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYERS	COEFFICIENT H/DPODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.0000E-04	0.100E+01	0.000E+00	0.9400E+00	0.1524E-02
2	3	0.11500E-01	0.36000	0.000E+00	1.9100	0.9140E+00
3	15	0.6400E-01	0.41000	0.000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE TO? BOTTOM
 1 = Zero Flux zero Flux
 2 = C = Const. C = Const.
 3 = Finite Mass Fixed Outflow Velocity
 4 = Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RMU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.10858E+00
	0.15240E-02	0.73282E+00	
	0.30619E+00	0.39375E+00	
	0.61086E+00	0.16728E+00	
	0.91532E+00	0.44596E-01	
	0.34962E+01	0.33528E-06	
	0.60769E+01	0.16710E-13	
	0.86575E+01	0.63953E-17	
	0.11238E+02	0.12790E-21	
	0.13819E+02	0.76354E-28	
	0.16400E+02	0.91990E-33	
	0.18980E+02	0.21929E-37	
	0.21561E+02	0.67043E-43	
	0.24142E+02	0.15513E-48	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
0.34464E+02	0.00000E+00		
0.37045E+02	0.00000E+00		
0.39626E+02	0.00000E+00		
0.1000E+02	0.00000E+00	0.10000E+01	0.17299E+00
	0.15240E-02	0.80154E+00	
	0.30619E+00	0.53267E+00	
	0.61086E+00	0.30739E+00	
	0.91532E+00	0.13449E+00	
	0.34962E+01	0.24699E-03	
	0.60769E+01	0.37063E-08	
	0.86575E+01	0.24302E-13	
	0.11238E+02	0.13367E-15	
	0.13819E+02	0.18448E-18	
	0.16400E+02	0.52097E-22	
	0.18980E+02	0.23941E-26	
	0.21561E+02	0.12997E-30	
	0.24142E+02	0.14996E-33	
	0.26722E+02	0.75751E-37	
	0.29303E+02	0.13772E-40	
	0.31884E+02	0.90202E-45	
0.34464E+02	0.14291E-48		
0.37045E+02	0.00000E+00		
0.39626E+02	0.00000E+00		
0.2500E+02	0.00000E+00	0.10000E+01	0.31498E+00
	0.15240E-02	0.86120E+00	
	0.30619E+00	0.66495E+00	
	0.61086E+00	0.47669E+00	
	0.91532E+00	0.30248E+00	
	0.34962E+01	0.17431E-01	
	0.60769E+01	0.15989E-03	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.22553E+00
	0.15240E-02	0.83191E+00	
	0.30619E+00	0.59847E+00	
	0.61086E+00	0.38675E+00	
	0.91532E+00	0.20545E+00	
	0.34962E+01	0.24945E-02	
	0.60769E+01	0.12998E-05	
	0.86575E+01	0.25200E-10	
	0.11238E+02	0.12003E-13	
	0.13819E+02	0.16209E-15	
	0.16400E+02	0.86467E-18	
	0.18980E+02	0.16474E-20	
	0.21561E+02	0.99005E-24	
	0.24142E+02	0.17286E-27	
	0.26722E+02	0.95723E-31	
	0.29303E+02	0.40139E-33	
	0.31884E+02	0.97356E-36	
0.34464E+02	0.12173E-38		
0.37045E+02	0.74720E-42		
0.39626E+02	0.25367E-45		
0.2000E+02	0.0000E+00	0.10000E+01	0.27212E+00
	0.15240E-02	0.84940E+00	
	0.30619E+00	0.63781E+00	
	0.61086E+00	0.43879E+00	
	0.91532E+00	0.25964E+00	
	0.34962E+01	0.82875E-02	
	0.60769E+01	0.25809E-04	
	0.86575E+01	0.68892E-08	
	0.11238E+02	0.26311E-12	
	0.13819E+02	0.45950E-14	
	0.16400E+02	0.96262E-16	
	0.18980E+02	0.99573E-18	
	0.21561E+02	0.47630E-20	
	0.24142E+02	0.97275E-23	
	0.26722E+02	0.77950E-26	
	0.29303E+02	0.36554E-29	
	0.31884E+02	0.19215E-31	
0.34464E+02	0.15565E-33		
0.37045E+02	0.79834E-36		
0.39626E+02	0.24860E-38		
0.5000E+02	0.0000E+00	0.10000E+01	0.31498E+00
	0.15240E-02	0.86120E+00	
	0.30619E+00	0.66495E+00	
	0.61086E+00	0.47669E+00	
	0.91532E+00	0.30248E+00	
	0.34962E+01	0.17431E-01	
	0.60769E+01	0.15989E-03	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.86575E+01	0.20877E-06	0.31684E+02	0.18096E-22
0.11238E+02	0.37348E-10	0.34464E+02	0.95695E-25
0.13819E+02	0.35012E-13	0.37045E+02	0.29906E-27
0.16400E+02	0.15794E-14	0.39626E+02	0.12531E-29
0.18980E+02	0.42823E-16		
0.21561E+02	0.65381E-18		
0.24142E+02	0.53555E-20		
0.26722E+02	0.22216E-22		
0.29303E+02	0.43820E-25		
0.31884E+02	0.43970E-28		
0.34464E+02	0.15746E-30		
0.37045E+02	0.23876E-32		
0.39626E+02	0.27556E-34		
0.4000E+02	0.0000E+00	0.10000E+01	0.42994E+00
0.4000E+02	0.15240E-02	0.88271E+00	
0.4000E+02	0.30619E+00	0.71550E+00	
0.4000E+02	0.61086E+00	0.55085E+00	
0.4000E+02	0.91552E+00	0.39262E+00	
0.4000E+02	0.34962E+01	0.56199E-01	
0.4000E+02	0.60769E+01	0.26492E-02	
0.4000E+02	0.86575E+01	0.37914E-04	
0.4000E+02	0.11238E+02	0.15632E-06	
0.4000E+02	0.13819E+02	0.18952E-09	
0.4000E+02	0.16400E+02	0.16810E-12	
0.4000E+02	0.18980E+02	0.11285E-13	
0.4000E+02	0.21561E+02	0.88259E-15	
0.4000E+02	0.24142E+02	0.49236E-16	
0.4000E+02	0.26722E+02	0.19188E-17	
0.4000E+02	0.29303E+02	0.51026E-19	
0.4000E+02	0.31884E+02	0.90109E-21	
0.4000E+02	0.34464E+02	0.10247E-22	
0.4000E+02	0.37045E+02	0.72737E-25	
0.4000E+02	0.39626E+02	0.32666E-27	
0.4500E+02	0.0000E+00	0.10000E+01	0.46511E+00
0.4500E+02	0.15240E-02	0.88761E+00	
0.4500E+02	0.30619E+00	0.72716E+00	
0.4500E+02	0.61086E+00	0.56847E+00	
0.4500E+02	0.91552E+00	0.41493E+00	
0.4500E+02	0.34962E+01	0.70637E-01	
0.4500E+02	0.60769E+01	0.45228E-02	
0.4500E+02	0.86575E+01	0.10109E-03	
0.4500E+02	0.11238E+02	0.75975E-06	
0.4500E+02	0.13819E+02	0.18022E-08	
0.4500E+02	0.16400E+02	0.17444E-11	
0.4500E+02	0.18980E+02	0.32025E-13	
0.4500E+02	0.21561E+02	0.33073E-14	
0.4500E+02	0.24142E+02	0.25805E-15	
0.4500E+02	0.26722E+02	0.14788E-16	
0.4500E+02	0.29303E+02	0.61128E-18	
0.4500E+02	0.31884E+02	0.17851E-19	
0.4500E+02	0.34464E+02	0.35960E-21	
0.4500E+02	0.37045E+02	0.48674E-23	
0.4500E+02	0.39626E+02	0.43159E-25	
0.5000E+02	0.0000E+00	0.10000E+01	0.49910E+00
0.5000E+02	0.15240E-02	0.89501E-09	
0.5000E+02	0.30619E+00	0.20346E-11	
0.5000E+02	0.61086E+00	0.48036E-13	
0.5000E+02	0.91552E+00	0.59835E-14	
0.5000E+02	0.34962E+01	0.84436E-15	
0.5000E+02	0.60769E+01	0.81428E-16	
0.5000E+02	0.86575E+01	0.61942E-17	
0.5000E+02	0.11238E+02	0.36709E-18	
0.5000E+02	0.13819E+02	0.16713E-19	
0.5000E+02	0.16400E+02	0.57549E-21	
0.5000E+02	0.18980E+02	0.83682E-13	
0.5000E+02	0.21561E+02	0.95141E-14	
0.5000E+02	0.24142E+02	0.96670E-15	
0.5000E+02	0.26722E+02	0.74975E-16	
0.5000E+02	0.29303E+02	0.43725E-17	
0.5000E+02	0.31884E+02	0.18868E-18	
0.5000E+02	0.34464E+02	0.59123E-20	
0.5000E+02	0.37045E+02	0.13171E-21	
0.5000E+02	0.39626E+02	0.20387E-23	
0.5500E+02	0.0000E+00	0.10000E+01	0.53204E+00
0.5500E+02	0.15240E-02	0.8953E+00	
0.5500E+02	0.30619E+00	0.74632E+00	
0.5500E+02	0.61086E+00	0.59772E+00	
0.5500E+02	0.91552E+00	0.45253E+00	
0.5500E+02	0.34962E+01	0.99588E-01	
0.5500E+02	0.60769E+01	0.99801E-02	
0.5500E+02	0.86575E+01	0.42745E-03	
0.5500E+02	0.11238E+02	0.75643E-05	
0.5500E+02	0.13819E+02	0.54272E-07	
0.5500E+02	0.16400E+02	0.15677E-09	
0.5500E+02	0.18980E+02	0.32116E-12	
0.5500E+02	0.21561E+02	0.22673E-13	
0.5500E+02	0.24142E+02	0.28432E-14	
0.5500E+02	0.26722E+02	0.28132E-15	
0.5500E+02	0.29303E+02	0.21629E-16	
0.5500E+02	0.31884E+02	0.12750E-17	
0.5500E+02	0.34464E+02	0.56769E-19	
0.5500E+02	0.37045E+02	0.18767E-20	
0.5500E+02	0.39626E+02	0.45198E-22	
0.6000E+02	0.0000E+00	0.10000E+01	0.56407E+00
0.6000E+02	0.15240E-02	0.89899E+00	
0.6000E+02	0.30619E+00	0.75438E+00	
0.6000E+02	0.61086E+00	0.61011E+00	
0.6000E+02	0.91552E+00	0.46865E+00	
0.6000E+02	0.34962E+01	0.11376E+00	
0.6000E+02	0.60769E+01	0.13500E-01	
0.6000E+02	0.86575E+01	0.73839E-03	
0.6000E+02	0.11238E+02	0.18026E-04	
0.6000E+02	0.13819E+02	0.19283E-06	
0.6500E+02	0.0000E+00	0.10000E+01	0.59526E+00
0.6500E+02	0.15240E-02	0.90202E+00	
0.6500E+02	0.30619E+00	0.76167E+00	
0.6500E+02	0.61086E+00	0.62136E+00	
0.6500E+02	0.91552E+00	0.48335E+00	
0.6500E+02	0.34962E+01	0.12761E+00	
0.6500E+02	0.60769E+01	0.17481E-01	
0.6500E+02	0.86575E+01	0.11764E-02	
0.6500E+02	0.11238E+02	0.37714E-04	
0.6500E+02	0.13319E+02	0.56584E-06	
0.6500E+02	0.16400E+02	0.39318E-08	
0.6500E+02	0.18980E+02	0.12956E-10	
0.6500E+02	0.21561E+02	0.10415E-12	
0.6500E+02	0.24142E+02	0.14953E-13	
0.6500E+02	0.26722E+02	0.21370E-14	
0.6500E+02	0.29303E+02	0.24903E-15	
0.6500E+02	0.31884E+02	0.23424E-16	
0.6500E+02	0.34464E+02	0.17600E-17	
0.6500E+02	0.37045E+02	0.10442E-18	
0.6500E+02	0.39626E+02	0.48275E-20	
0.7000E+02	0.0000E+00	0.10000E+01	0.62570E+00
0.7000E+02	0.15240E-02	0.90478E+00	
0.7000E+02	0.30619E+00	0.76831E+00	
0.7000E+02	0.61086E+00	0.63164E+00	
0.7000E+02	0.91552E+00	0.49686E+00	
0.7000E+02	0.34962E+01	0.14109E+00	
0.7000E+02	0.60769E+01	0.21869E-01	
0.7000E+02	0.86575E+01	0.17583E-02	
0.7000E+02	0.11238E+02	0.71215E-04	
0.7000E+02	0.13319E+02	0.14282E-05	
0.7000E+02	0.16400E+02	0.14033E-07	
0.7000E+02	0.18980E+02	0.67686E-10	
0.7000E+02	0.21561E+02	0.30052E-12	
0.7000E+02	0.24142E+02	0.28868E-13	
0.7000E+02	0.26722E+02	0.47341E-14	
0.7000E+02	0.29303E+02	0.64769E-15	
0.7000E+02	0.31884E+02	0.72905E-16	
0.7000E+02	0.34464E+02	0.66920E-17	
0.7000E+02	0.37045E+02	0.49597E-18	

0.39626E+02 0.29354E-19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.65546E+00
	0.15240E-02	0.90731E+00	
	0.30619E+00	0.77440E+00	
	0.61086E+00	0.64111E+00	
	0.91552E+00	0.50933E+00	
	0.34962E+01	0.15418E+00	
	0.60769E+01	0.26609E-01	
	0.86575E+01	0.24968E-02	
	0.11238E+02	0.12386E-03	
	0.13819E+02	0.31945E-05	
	0.16400E+02	0.42396E-07	
	0.18980E+02	0.28840E-09	
	0.21561E+02	0.12215E-11	
	0.24142E+02	0.52297E-13	
	0.26722E+02	0.94335E-14	
	0.29303E+02	0.14811E-14	
	0.31884E+02	0.19445E-15	
	0.34464E+02	0.21179E-16	
	0.37045E+02	0.18976E-17	
	0.39626E+02	0.13855E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.68458E+00
	0.15240E-02	0.90964E+00	
	0.30619E+00	0.78003E+00	
	0.61086E+00	0.64986E+00	
	0.91552E+00	0.52091E+00	
	0.34962E+01	0.16685E+00	
	0.60769E+01	0.31648E-01	
	0.86575E+01	0.34002E-02	
	0.11238E+02	0.20145E-03	
	0.13819E+02	0.44762E-05	
	0.16400E+02	0.11183E-06	
	0.18980E+02	0.10313E-08	
	0.21561E+02	0.53826E-11	
	0.24142E+02	0.96131E-13	
	0.26722E+02	0.17264E-13	
	0.29303E+02	0.30524E-14	
	0.31884E+02	0.45788E-15	
	0.34464E+02	0.37823E-16	
	0.37045E+02	0.41023E-17	
	0.39626E+02	0.53381E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.71313E+00
	0.15240E-02	0.91180E+00	
	0.30619E+00	0.78524E+00	
	0.61086E+00	0.65799E+00	

0.24142E+02	0.18429E-11
0.26722E+02	0.78262E-13
0.29303E+02	0.16930E-13
0.31884E+02	0.34637E-14
0.34464E+02	0.61708E-15
0.37045E+02	0.95169E-16
0.39626E+02	0.12635E-16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.79564E+00
	0.15240E-02	0.91746E+00	
	0.30619E+00	0.79890E+00	
	0.61086E+00	0.67935E+00	
	0.91552E+00	0.56017E+00	
	0.34962E+01	0.21352E+00	
	0.60769E+01	0.53919E-01	
	0.86575E+01	0.87098E-02	
	0.11238E+02	0.88004E-03	
	0.13819E+02	0.54828E-04	
	0.16400E+02	0.20866E-05	
	0.18980E+02	0.48206E-07	
	0.21561E+02	0.67415E-09	
	0.24142E+02	0.60324E-11	
	0.26722E+02	0.13457E-12	
	0.29303E+02	0.26806E-13	
	0.31884E+02	0.59380E-14	
	0.34464E+02	0.11579E-14	
	0.37045E+02	0.19721E-15	
	0.39626E+02	0.29191E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.82222E+00
	0.15240E-02	0.91911E+00	
	0.30619E+00	0.80291E+00	
	0.61086E+00	0.68564E+00	
	0.91552E+00	0.56858E+00	
	0.34962E+01	0.22423E+00	
	0.60769E+01	0.59834E-01	
	0.86575E+01	0.10450E-01	
	0.11238E+02	0.11691E-02	
	0.13819E+02	0.82635E-04	
	0.16400E+02	0.36562E-05	
	0.18980E+02	0.10065E-06	
	0.21561E+02	0.17174E-08	
	0.24142E+02	0.18562E-10	
	0.26722E+02	0.26713E-12	
	0.29303E+02	0.40887E-13	
	0.31884E+02	0.98712E-14	
	0.34464E+02	0.20452E-14	
	0.37045E+02	0.38083E-15	
	0.39626E+02	0.62147E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
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0.31552E+00	0.53170E+00
0.34562E+01	0.17911E+00
0.40769E+01	0.36940E-01
0.36575E+01	0.44731E-02
0.11238E+02	0.31002E-03
0.13619E+02	0.12106E-04
0.16400E+02	0.26370E-06
0.18980E+02	0.31847E-08
0.21561E+02	0.21686E-10
0.24142E+02	0.20650E-12
0.26722E+02	0.29541E-13
0.29303E+02	0.57765E-14
0.31884E+02	0.97368E-15
0.34464E+02	0.13992E-15
0.37045E+02	0.17031E-16
0.39626E+02	0.17434E-17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.74112E+00
	0.15240E-02	0.91382E+00	
	0.30619E+00	0.79010E+00	
	0.61086E+00	0.66537E+00	
	0.91552E+00	0.54179E+00	
	0.34562E+01	0.19097E+00	
	0.40769E+01	0.42440E-01	
	0.36575E+01	0.57170E-02	
	0.11238E+02	0.45555E-03	
	0.13619E+02	0.21148E-04	
	0.16400E+02	0.56636E-06	
	0.18980E+02	0.86959E-08	
	0.21561E+02	0.76823E-10	
	0.24142E+02	0.57001E-12	
	0.26722E+02	0.48292E-13	
	0.29303E+02	0.10185E-13	
	0.31884E+02	0.19027E-14	
	0.34464E+02	0.30639E-15	
	0.37045E+02	0.42280E-16	
	0.39626E+02	0.49682E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.76862E+00
	0.15240E-02	0.91570E+00	
	0.30619E+00	0.79464E+00	
	0.61086E+00	0.67268E+00	
	0.91552E+00	0.55126E+00	
	0.34562E+01	0.20244E+00	
	0.60769E+01	0.48111E-01	
	0.36575E+01	0.71304E-02	
	0.11238E+02	0.64378E-03	
	0.13619E+02	0.34890E-04	
	0.16400E+02	0.11242E-05	
	0.18980E+02	0.21401E-07	
	0.21561E+02	0.24044E-09	

INTO SOIL

0.1100E+03	0.00000E+00	0.10000E+01	0.84838E+00
	0.15240E-02	0.92068E+00	
	0.30619E+00	0.80669E+00	
	0.61086E+00	0.69158E+00	
	0.91552E+00	0.57655E+00	
	0.34962E+01	0.23460E+00	
	0.60769E+01	0.65830E-01	
	0.86575E+01	0.12344E-01	
	0.11238E+02	0.15152E-02	
	0.13819E+02	0.12012E-03	
	0.16400E+02	0.60953E-05	
	0.18980E+02	0.19677E-06	
	0.21561E+02	0.40253E-08	
	0.24142E+02	0.52600E-10	
	0.26722E+02	0.62844E-12	
	0.29303E+02	0.61074E-13	
	0.31884E+02	0.15074E-13	
	0.34464E+02	0.34296E-14	
	0.37045E+02	0.69214E-15	
	0.39626E+02	0.12334E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.87414E+00
	0.15240E-02	0.92215E+00	
	0.30619E+00	0.81027E+00	
	0.61086E+00	0.69720E+00	
	0.91552E+00	0.58409E+00	
	0.34962E+01	0.24462E+00	
	0.60769E+01	0.71884E-01	
	0.86575E+01	0.14385E-01	
	0.11238E+02	0.19219E-02	
	0.13819E+02	0.16320E-03	
	0.16400E+02	0.37304E-05	
	0.18980E+02	0.16332E-06	
	0.21561E+02	0.87725E-08	
	0.24142E+02	0.13728E-09	
	0.26722E+02	0.16402E-11	
	0.29303E+02	0.91902E-13	
	0.31884E+02	0.22629E-13	
	0.34464E+02	0.54976E-14	
	0.37045E+02	0.11936E-14	
	0.39626E+02	0.23036E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.89953E+00
	0.15240E-02	0.92355E+00	
	0.30619E+00	0.81366E+00	
	0.61086E+00	0.70253E+00	
	0.91552E+00	0.59127E+00	
	0.34962E+01	0.25432E+00	
	0.60769E+01	0.77978E-01	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.92457E+00
	0.15240E-02	0.92488E+00	
	0.30619E+00	0.81698E+00	
	0.61096E+00	0.70761E+00	
	0.91552E+00	0.59910E+00	
	0.34962E+01	0.26371E+00	
	0.60769E+01	0.84094E-01	
	0.86575E+01	0.18876E-01	
	0.11238E+02	0.29201E-02	
	0.13819E+02	0.31006E-03	
	0.16400E+02	0.22226E-04	
	0.18980E+02	0.10722E-05	
	0.21561E+02	0.34668E-07	
	0.24142E+02	0.75013E-09	
	0.26722E+02	0.11244E-10	
	0.29303E+02	0.25599E-12	
	0.31884E+02	0.46784E-13	
	0.34464E+02	0.12616E-13	
	0.37045E+02	0.31114E-14	
	0.39626E+02	0.69015E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00300E+00	0.10000E+01	0.94927E+00
	0.15240E-02	0.92615E+00	
	0.30619E+00	0.81995E+00	
	0.61096E+00	0.71244E+00	
	0.91552E+00	0.60461E+00	
	0.34962E+01	0.27280E+00	
	0.60769E+01	0.90213E-01	
	0.86575E+01	0.21308E-01	
	0.11238E+02	0.35315E-02	
	0.13819E+02	0.40581E-03	
	0.16400E+02	0.32060E-04	
	0.18980E+02	0.17327E-05	
	0.21561E+02	0.63752E-07	
	0.24142E+02	0.15939E-08	
	0.26722E+02	0.27519E-10	
	0.29303E+02	0.50807E-12	
	0.31884E+02	0.65656E-13	
	0.34464E+02	0.18227E-13	
	0.37045E+02	0.47522E-14	
	0.39626E+02	0.11204E-14	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1310E+03	0.00000E+00	0.10000E+01	0.95417E+00
	0.15240E-02	0.92640E+00	
	0.30619E+00	0.82055E+00	
	0.61096E+00	0.71338E+00	
	0.91552E+00	0.60588E+00	
	0.34962E+01	0.27459E+00	
	0.60769E+01	0.91443E-01	
	0.86575E+01	0.21809E-01	
	0.11238E+02	0.36604E-02	
	0.13819E+02	0.42724E-03	
	0.16400E+02	0.34395E-04	
	0.18980E+02	0.18991E-05	
	0.21561E+02	0.71619E-07	
	0.24142E+02	0.18407E-08	
	0.26722E+02	0.32692E-10	
	0.29303E+02	0.59014E-12	
	0.31884E+02	0.70256E-13	
	0.34464E+02	0.19554E-13	
	0.37045E+02	0.51523E-14	
	0.39626E+02	0.12289E-14	

NOTICE

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Southern Expansion Area - SL2NEM1.IN

0.00107		Va Darcy Velocity		NOLAY :No. of Layers		ARE ANY LAYERS FRACTURED?	
3	8e-05	1	0	0.94	0.001524	1	
	0.018	0.29	0	1.91	0.914	3	
	0.064	0.41	0	1.69	38.709999	15	
2							
4							
	1						
N							
N							
Y							
N							
28							
	5	10	15	20	25		
	30	35	40	45	50		
	55	60	65	70	75		
	80	85	90	95	100		
	105	110	115	120	125		
	127	130	131				

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* POLLUTE SIMULATION *
*
* ANALYSIS COMPLETED *
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* TIME 10:27:3 *
* EXECUTION TIME 0:0 *
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0.31884E+02 0.69993E-23
 0.34464E+02 0.34214E-25
 0.37045E+02 0.10109E-27
 0.39626E+02 0.53329E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.28647E+00
	0.15240E-02	0.92866E+00	
	0.30619E+00	0.70332E+00	
	0.61086E+00	0.47337E+00	
	0.91552E+00	0.24464E+00	
	0.34962E+01	0.30500E-01	
	0.60769E+01	0.12274E-02	
	0.86575E+01	0.14008E-04	
	0.11238E+02	0.51704E-07	
	0.13819E+02	0.51693E-10	
	0.16400E+02	0.74600E-13	
	0.18980E+02	0.62377E-14	
	0.21561E+02	0.46686E-15	
	0.24142E+02	0.24847E-16	
	0.26722E+02	0.92064E-18	
	0.29303E+02	0.23184E-19	
	0.31884E+02	0.38590E-21	
	0.34464E+02	0.41152E-23	
	0.37045E+02	0.27274E-25	
	0.39626E+02	0.11672E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.31007E+00
	0.15240E-02	0.93082E+00	
	0.30619E+00	0.71203E+00	
	0.61086E+00	0.48759E+00	
	0.91552E+00	0.26268E+00	
	0.34962E+01	0.39599E-01	
	0.60769E+01	0.22086E-02	
	0.86575E+01	0.42522E-04	
	0.11238E+02	0.27323E-06	
	0.13819E+02	0.57612E-09	
	0.16400E+02	0.52896E-12	
	0.18980E+02	0.18224E-13	
	0.21561E+02	0.18249E-14	
	0.24142E+02	0.13675E-15	
	0.26722E+02	0.75075E-17	
	0.29303E+02	0.29642E-18	
	0.31884E+02	0.82390E-20	
	0.34464E+02	0.15735E-21	
	0.37045E+02	0.20104E-23	
	0.39626E+02	0.16776E-25	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.33314E+00

0.16400E+02 0.30708E-09
 0.18980E+02 0.69587E-12
 0.21561E+02 0.28315E-13
 0.24142E+02 0.40694E-14
 0.26722E+02 0.47749E-15
 0.29303E+02 0.44631E-16
 0.31884E+02 0.32856E-17
 0.34464E+02 0.18808E-18
 0.37045E+02 0.82531E-20
 0.39626E+02 0.27321E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.39985E+00
	0.15240E-02	0.93711E+00	
	0.30619E+00	0.73761E+00	
	0.61086E+00	0.53075E+00	
	0.91552E+00	0.31999E+00	
	0.34962E+01	0.77575E-01	
	0.60769E+01	0.96972E-02	
	0.86575E+01	0.59169E-03	
	0.11238E+02	0.17111E-04	
	0.13819E+02	0.23067E-06	
	0.16400E+02	0.14363E-08	
	0.18980E+02	0.43520E-11	
	0.21561E+02	0.57852E-13	
	0.24142E+02	0.89024E-14	
	0.26722E+02	0.12383E-14	
	0.29303E+02	0.14026E-15	
	0.31884E+02	0.12808E-16	
	0.34464E+02	0.93295E-18	
	0.37045E+02	0.53562E-19	
	0.39626E+02	0.23915E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.42138E+00
	0.15240E-02	0.93832E+00	
	0.30619E+00	0.74260E+00	
	0.61086E+00	0.53934E+00	
	0.91552E+00	0.33174E+00	
	0.34962E+01	0.86941E-01	
	0.60769E+01	0.12381E-01	
	0.86575E+01	0.90966E-03	
	0.11238E+02	0.33513E-04	
	0.13819E+02	0.60911E-06	
	0.16400E+02	0.54097E-08	
	0.18980E+02	0.23705E-10	
	0.21561E+02	0.13901E-12	
	0.24142E+02	0.17468E-13	
	0.26722E+02	0.28012E-14	
	0.29303E+02	0.37334E-15	
	0.31884E+02	0.40902E-16	
	0.34464E+02	0.36500E-17	
	0.37045E+02	0.26264E-18	

0.15240E-02 0.93268E+00
 0.30619E+00 0.71955E+00
 0.61086E+00 0.50010E+00
 0.91552E+00 0.27894E+00
 0.34962E+01 0.49003E-01
 0.60769E+01 0.35506E-02
 0.86575E+01 0.99403E-04
 0.11238E+02 0.10409E-05
 0.13819E+02 0.40069E-08
 0.16400E+02 0.58675E-11
 0.18980E+02 0.45539E-13
 0.21561E+02 0.54274E-14
 0.24142E+02 0.53227E-15
 0.26722E+02 0.39763E-16
 0.29303E+02 0.22292E-17
 0.31884E+02 0.92218E-19
 0.34464E+02 0.27615E-20
 0.37045E+02 0.58591E-22
 0.39626E+02 0.86053E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.35576E+00
	0.15240E-02	0.93432E+00	
	0.30619E+00	0.72620E+00	
	0.61086E+00	0.51129E+00	
	0.91552E+00	0.29376E+00	
	0.34962E+01	0.58540E-01	
	0.60769E+01	0.52564E-02	
	0.86575E+01	0.19997E-03	
	0.11238E+02	0.31238E-05	
	0.13819E+02	0.19695E-07	
	0.16400E+02	0.50043E-10	
	0.18980E+02	0.13584E-12	
	0.21561E+02	0.13267E-13	
	0.24142E+02	0.16147E-14	
	0.26722E+02	0.15455E-15	
	0.29303E+02	0.11475E-16	
	0.31884E+02	0.65198E-18	
	0.34464E+02	0.27910E-19	
	0.37045E+02	0.88465E-21	
	0.39626E+02	0.20365E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.37799E+00
	0.15240E-02	0.93578E+00	
	0.30619E+00	0.73217E+00	
	0.61086E+00	0.52144E+00	
	0.91552E+00	0.30738E+00	
	0.34962E+01	0.68090E-01	
	0.60769E+01	0.73130E-02	
	0.86575E+01	0.35931E-03	
	0.11238E+02	0.78346E-05	
	0.13819E+02	0.74546E-07	

0.39626E+02 0.15066E-19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.44260E+00
	0.15240E-02	0.93945E+00	
	0.30619E+00	0.74723E+00	
	0.61086E+00	0.54734E+00	
	0.91552E+00	0.34273E+00	
	0.34962E+01	0.96152E-01	
	0.60769E+01	0.15333E-01	
	0.86575E+01	0.13235E-02	
	0.11238E+02	0.60140E-04	
	0.13819E+02	0.14165E-05	
	0.16400E+02	0.17119E-07	
	0.18980E+02	0.10607E-09	
	0.21561E+02	0.47528E-12	
	0.24142E+02	0.31732E-13	
	0.26722E+02	0.56843E-14	
	0.29303E+02	0.87107E-15	
	0.31884E+02	0.11153E-15	
	0.34464E+02	0.11837E-16	
	0.37045E+02	0.10324E-17	
	0.39626E+02	0.73275E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.46358E+00
	0.15240E-02	0.94050E+00	
	0.30619E+00	0.75154E+00	
	0.61086E+00	0.55481E+00	
	0.91552E+00	0.35307E+00	
	0.34962E+01	0.10519E+00	
	0.60769E+01	0.18523E-01	
	0.86575E+01	0.18410E-02	
	0.11238E+02	0.10054E-03	
	0.13819E+02	0.25703E-05	
	0.16400E+02	0.47014E-07	
	0.18980E+02	0.39697E-09	
	0.21561E+02	0.19900E-11	
	0.24142E+02	0.56230E-13	
	0.26722E+02	0.10567E-13	
	0.29303E+02	0.18271E-14	
	0.31884E+02	0.26775E-15	
	0.34464E+02	0.33011E-16	
	0.37045E+02	0.33983E-17	
	0.39626E+02	0.28966E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.48423E+00
	0.15240E-02	0.94147E+00	
	0.30619E+00	0.75557E+00	
	0.61086E+00	0.56183E+00	

0.91552E+00	0.36282E+00		
0.34962E+01	0.11403E+00		
0.60769E+01	0.21922E-01		
0.86575E+01	0.24677E-02		
0.11238E+02	0.15849E-03		
0.13819E+02	0.57195E-05		
0.16400E+02	0.11486E-06		
0.18980E+02	0.12769E-08		
0.21561E+02	0.81231E-11		
0.24142E+02	0.10806E-12		
0.26722E+02	0.18308E-13		
0.29303E+02	0.35123E-14		
0.31884E+02	0.57918E-15		
0.34464E+02	0.81383E-16		
0.37045E+02	0.96795E-17		
0.39626E+02	0.96737E-18		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.50466E+00
	0.15240E-02	0.94239E+00	
	0.30619E+00	0.75937E+00	
	0.61086E+00	0.56845E+00	
	0.91552E+00	0.37206E+00	
	0.34962E+01	0.12267E+00	
	0.60769E+01	0.25501E-01	
	0.86575E+01	0.32068E-02	
	0.11238E+02	0.23790E-03	
	0.13819E+02	0.10256E-04	
	0.16400E+02	0.25454E-06	
	0.18980E+02	0.36155E-08	
	0.21561E+02	0.29679E-10	
	0.24142E+02	0.25688E-12	
	0.26722E+02	0.30079E-13	
	0.29303E+02	0.62807E-14	
	0.31884E+02	0.11492E-14	
	0.34464E+02	0.18119E-15	
	0.37045E+02	0.24466E-16	
	0.39626E+02	0.28114E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.52486E+00
	0.15240E-02	0.94326E+00	
	0.30619E+00	0.76295E+00	
	0.61086E+00	0.57472E+00	
	0.91552E+00	0.38082E+00	
	0.34962E+01	0.13112E-03	
	0.60769E+01	0.29237E-01	
	0.86575E+01	0.40596E-02	
	0.11238E+02	0.34265E-03	
	0.13819E+02	0.17321E-04	
	0.16400E+02	0.51951E-06	
	0.18980E+02	0.91907E-08	
	0.21561E+02	0.96046E-10	

INTO SOIL

0.1100E+03	0.00000E+00	0.10000E+01	0.58420E+00
	0.15240E-02	0.94560E+00	
	0.30619E+00	0.77265E+00	
	0.61086E+00	0.59173E+00	
	0.91552E+00	0.40474E+00	
	0.34962E+01	0.15526E+00	
	0.60769E+01	0.41160E-01	
	0.86575E+01	0.72922E-02	
	0.11238E+02	0.84062E-03	
	0.13819E+02	0.63124E-04	
	0.16400E+02	0.30142E-05	
	0.18980E+02	0.91438E-07	
	0.21561E+02	0.17560E-08	
	0.24142E+02	0.21675E-10	
	0.26722E+02	0.29707E-12	
	0.29303E+02	0.38796E-13	
	0.31884E+02	0.95557E-14	
	0.34464E+02	0.21364E-14	
	0.37045E+02	0.42356E-15	
	0.39626E+02	0.74133E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.60359E+00
	0.15240E-02	0.94631E+00	
	0.30619E+00	0.77588E+00	
	0.61086E+00	0.59689E+00	
	0.91552E+00	0.41204E+00	
	0.34962E+01	0.16292E+00	
	0.60769E+01	0.45312E-01	
	0.86575E+01	0.85860E-02	
	0.11238E+02	0.10855E-02	
	0.13819E+02	0.90313E-04	
	0.16400E+02	0.49017E-05	
	0.18980E+02	0.17251E-06	
	0.21561E+02	0.39219E-08	
	0.24142E+02	0.57920E-10	
	0.26722E+02	0.72153E-12	
	0.29303E+02	0.57411E-13	
	0.31884E+02	0.14480E-13	
	0.34464E+02	0.34608E-14	
	0.37045E+02	0.73862E-15	
	0.39626E+02	0.14011E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.62280E+00
	0.15240E-02	0.94699E+00	
	0.30619E+00	0.77839E+00	
	0.61086E+00	0.60183E+00	
	0.91552E+00	0.41903E+00	
	0.34962E+01	0.17039E+00	
	0.60769E+01	0.49527E-01	

0.24142E+02	0.75660E-12		
0.26722E+02	0.48084E-13		
0.29303E+02	0.10572E-13		
0.31884E+02	0.21211E-14		
0.34464E+02	0.37038E-15		
0.37045E+02	0.55966E-16		
0.39626E+02	0.72759E-17		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.54485E+00
	0.15240E-02	0.94408E+00	
	0.30619E+00	0.76635E+00	
	0.61086E+00	0.58067E+00	
	0.91552E+00	0.38917E+00	
	0.34525E+01	0.13936E+00	
	0.60769E+01	0.33105E-01	
	0.86575E+01	0.50260E-02	
	0.11238E+02	0.47645E-03	
	0.13819E+02	0.27795E-04	
	0.16400E+02	0.98862E-06	
	0.18980E+02	0.21313E-07	
	0.21561E+02	0.27801E-09	
	0.24142E+02	0.24145E-11	
	0.26722E+02	0.78457E-13	
	0.29303E+02	0.16917E-13	
	0.31884E+02	0.36823E-14	
	0.34464E+02	0.70442E-15	
	0.37045E+02	0.11767E-15	
	0.39626E+02	0.17075E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.56462E+00
	0.15240E-02	0.94486E+00	
	0.30619E+00	0.76958E+00	
	0.61086E+00	0.58633E+00	
	0.91552E+00	0.39713E+00	
	0.34562E+01	0.14741E+00	
	0.60769E+01	0.37085E-01	
	0.86575E+01	0.61044E-02	
	0.11238E+02	0.64280E-03	
	0.13819E+02	0.42688E-04	
	0.16400E+02	0.17717E-05	
	0.18980E+02	0.45676E-07	
	0.21561E+02	0.72938E-09	
	0.24142E+02	0.74935E-11	
	0.26722E+02	0.14097E-12	
	0.29303E+02	0.25987E-13	
	0.31884E+02	0.66667E-14	
	0.34464E+02	0.12597E-14	
	0.37045E+02	0.23025E-15	
	0.39626E+02	0.36873E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.64184E+00
	0.15240E-02	0.94763E+00	
	0.30619E+00	0.78108E+00	
	0.61086E+00	0.60657E+00	
	0.91552E+00	0.42576E+00	
	0.34762E+01	0.17769E+00	
	0.60769E+01	0.53792E-01	
	0.86575E+01	0.11475E-01	
	0.11238E+02	0.16916E-02	
	0.13819E+02	0.17009E-03	
	0.16400E+02	0.11565E-04	
	0.18980E+02	0.52864E-06	
	0.21561E+02	0.16180E-07	
	0.24142E+02	0.33135E-09	
	0.26722E+02	0.48062E-11	
	0.29303E+02	0.14183E-12	
	0.31884E+02	0.30316E-13	
	0.34464E+02	0.80927E-14	
	0.37045E+02	0.19643E-14	
	0.39626E+02	0.42875E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.64184E+00
	0.15240E-02	0.94763E+00	
	0.30619E+00	0.78108E+00	
	0.61086E+00	0.60657E+00	
	0.91552E+00	0.42576E+00	
	0.34762E+01	0.17769E+00	
	0.60769E+01	0.53792E-01	
	0.86575E+01	0.11475E-01	
	0.11238E+02	0.16916E-02	
	0.13819E+02	0.17009E-03	
	0.16400E+02	0.11565E-04	
	0.18980E+02	0.52864E-06	
	0.21561E+02	0.16180E-07	
	0.24142E+02	0.33135E-09	
	0.26722E+02	0.48062E-11	
	0.29303E+02	0.14183E-12	
	0.31884E+02	0.30316E-13	
	0.34464E+02	0.80927E-14	
	0.37045E+02	0.19643E-14	
	0.39626E+02	0.42875E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.00000E+00	0.10000E+01	0.64941E+00
	0.15240E-02	0.94789E+00	
	0.30619E+00	0.78212E+00	
	0.61086E+00	0.60842E+00	
	0.91552E+00	0.42838E+00	
	0.34762E+01	0.18056E+00	
	0.60769E+01	0.55511E-01	
	0.86575E+01	0.12099E-01	
	0.11238E+02	0.18339E-02	
	0.13819E+02	0.19083E-03	
	0.16400E+02	0.12516E-04	
	0.18980E+02	0.64776E-06	
	0.21561E+02	0.20923E-07	
	0.24142E+02	0.45494E-09	
	0.26722E+02	0.69451E-11	
	0.29303E+02	0.17762E-12	

0.31894E+02 0.34758E-13
 0.34464E+02 0.94402E-14
 0.37045E+02 0.23449E-14
 0.39626E+02 0.52490E-15

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.66071E+00
	0.15240E-02	0.94826E+00	
	0.30619E+00	0.78366E+00	
	0.61086E+00	0.61113E+00	
	0.91552E+00	0.43223E+00	
	0.34962E+01	0.18481E+00	
	0.60769E+01	0.58099E-01	
	0.86575E+01	0.13062E-01	
	0.11238E+02	0.20609E-02	
	0.13819E+02	0.22533E-03	
	0.16400E+02	0.16927E-04	
	0.18980E+02	0.86857E-06	
	0.21561E+02	0.30322E-07	
	0.24142E+02	0.71895E-09	
	0.26722E+02	0.11896E-10	
	0.29303E+02	0.25803E-12	
	0.31894E+02	0.42501E-13	
	0.34464E+02	0.11790E-13	
	0.37045E+02	0.30273E-14	
	0.39626E+02	0.70272E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1310E+03	0.00000E+00	0.10000E+01	0.66447E+00
	0.15240E-02	0.94838E+00	
	0.30619E+00	0.78416E+00	
	0.61086E+00	0.61202E+00	
	0.91552E+00	0.43350E+00	
	0.34962E+01	0.18621E+00	
	0.60769E+01	0.58963E-01	
	0.86575E+01	0.13390E-01	
	0.11238E+02	0.21403E-02	
	0.13819E+02	0.23778E-03	
	0.16400E+02	0.18205E-04	
	0.18980E+02	0.95499E-06	
	0.21561E+02	0.34186E-07	
	0.24142E+02	0.83362E-09	
	0.26722E+02	0.14174E-10	
	0.29303E+02	0.29496E-12	
	0.31894E+02	0.45418E-13	
	0.34464E+02	0.12659E-13	
	0.37045E+02	0.32878E-14	
	0.39626E+02	0.77218E-15	

```

*****
*
*
* POLLUTE SIMULATION
*
* ANALYSIS COMPLETED
*
* TIME - 10:27:32
* EXECUTION TIME 0: 1
*
*
*****
    
```

Southern Expansion Area - SL2NEMX.IN
 0.00107
 Va Darcy Velocity
 3 NOLAY :No. of Layers
 N ARE ANY LAYERS FRACTURED?
 9e-05 1 0 0.94 0.001524 1
 0.018 0.42 0 1.91 0.914 3
 0.064 0.41 0 1.69 38.709999 15
 2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 1 CO - Initial Source Conc.
 N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?
 N Limited number of depths for results
 28 NOTIME:No. of times of interest
 5 10 15 20 25
 30 35 40 45 50
 55 60 65 70 75
 80 85 90 95 100
 105 110 115 120 125
 127 130 131

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*****
*
*
* POLLUTE V6 SIMULATION
*
* RUN DATE - 26- 7--*
* TIME - 10:27:52
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
* LICENSED USER: Andrews Environmental Eng. Inc
*
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Southern Expansion Area - SL2NEMX.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.8000E-04	0.100E+01	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.1800E-01	0.42000	0.0000E+00	1.9100	0.9140E+00
3	15	0.6400E-01	0.41000	0.0000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

INTO SOIL

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.00000E+00	0.10000E+01	0.10048E+00
	0.15240E-02	0.76040E+00	
	0.30619E+00	0.32428E+00	
	0.61086E+00	0.92866E-01	
	0.91552E+00	0.12346E-01	
	0.34962E+01	0.19843E-07	
	0.60769E+01	0.54625E-14	
	0.86575E+01	0.13596E-17	
	0.11238E+02	0.16034E-22	
	0.13819E+02	0.62418E-29	
	0.16400E+02	0.18466E-33	
	0.18980E+02	0.32206E-38	
	0.21561E+02	0.70455E-44	
	0.24142E+02	0.28102E-49	
	0.26722E+02	0.60000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.15829E+00
	0.15240E-02	0.82573E+00	
	0.30619E+00	0.48024E+00	
	0.61086E+00	0.22449E+00	
	0.91552E+00	0.64298E-01	
	0.34962E+01	0.56466E-04	
	0.60769E+01	0.38270E-09	
	0.86575E+01	0.10997E-13	
	0.11238E+02	0.49720E-16	
	0.13819E+02	0.54108E-19	
	0.16400E+02	0.11618E-22	
	0.18980E+02	0.39745E-27	
	0.21561E+02	0.42840E-31	
	0.24142E+02	0.46006E-34	
	0.26722E+02	0.19880E-37	
	0.29303E+02	0.30457E-41	
	0.31884E+02	0.18119E-45	
	0.34464E+02	0.42500E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
	0.86575E+01	0.58153E-07	
	0.11238E+02	0.77404E-11	
	0.13819E+02	0.20764E-13	
	0.16400E+02	0.88146E-15	
	0.18980E+02	0.21926E-16	
	0.21561E+02	0.30480E-18	
	0.24142E+02	0.22529E-20	
	0.26722E+02	0.83463E-23	
	0.29303E+02	0.14575E-25	
	0.31884E+02	0.14253E-28	
	0.34464E+02	0.76833E-31	
	0.37045E+02	0.11527E-32	
	0.39626E+02	0.12556E-34	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.31647E+00
	0.15240E-02	0.89152E+00	
	0.30619E+00	0.66051E+00	
	0.61086E+00	0.43955E+00	
	0.91552E+00	0.23778E+00	
	0.34962E+01	0.16396E-01	
	0.60769E+01	0.24233E-03	
	0.86575E+01	0.70570E-06	
	0.11238E+02	0.38979E-09	
	0.13819E+02	0.12472E-12	
	0.16400E+02	0.61876E-14	
	0.18980E+02	0.29216E-15	
	0.21561E+02	0.87009E-17	
	0.24142E+02	0.15809E-18	
	0.26722E+02	0.16849E-20	
	0.29303E+02	0.10062E-22	
	0.31884E+02	0.32107E-25	
	0.34464E+02	0.58298E-28	
	0.37045E+02	0.27958E-30	
	0.39626E+02	0.60564E-32	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.34921E+00
	0.15240E-02	0.89739E+00	
	0.30619E+00	0.67792E+00	
	0.61086E+00	0.46483E+00	
	0.91552E+00	0.26612E+00	
	0.34962E+01	0.25415E-01	
	0.60769E+01	0.65687E-03	
	0.86575E+01	0.42570E-05	
	0.11238E+02	0.66677E-08	
	0.13819E+02	0.27066E-11	
	0.16400E+02	0.25102E-13	
	0.18980E+02	0.18393E-14	
	0.21561E+02	0.92898E-16	
	0.24142E+02	0.31309E-17	
	0.26722E+02	0.68480E-19	
	0.29303E+02	0.94099E-21	

0.1500E+02	0.00000E+00	0.10000E+01	0.20462E+00
	0.15240E-02	0.85565E+00	
	0.30619E+00	0.55934E+00	
	0.61086E+00	0.30970E+00	
	0.91552E+00	0.11984E+00	
	0.34962E+01	0.89569E-03	
	0.60769E+01	0.27755E-06	
	0.86575E+01	0.33161E-11	
	0.11238E+02	0.61403E-14	
	0.13819E+02	0.72180E-16	
	0.16400E+02	0.32977E-18	
	0.18980E+02	0.52809E-21	
	0.21561E+02	0.26087E-24	
	0.24142E+02	0.35278E-28	
	0.26722E+02	0.38850E-31	
	0.29303E+02	0.15440E-33	
	0.31884E+02	0.33842E-36	
	0.34464E+02	0.37913E-39	
	0.37045E+02	0.20752E-42	
	0.39626E+02	0.69746E-46	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.24508E+00
	0.15240E-02	0.87274E+00	
	0.30619E+00	0.60652E+00	
	0.61086E+00	0.36687E+00	
	0.91552E+00	0.16561E+00	
	0.34962E+01	0.37317E-02	
	0.60769E+01	0.79241E-05	
	0.86575E+01	0.14212E-08	
	0.11238E+02	0.88533E-13	
	0.13819E+02	0.24843E-14	
	0.16400E+02	0.46811E-16	
	0.18980E+02	0.43110E-18	
	0.21561E+02	0.18136E-20	
	0.24142E+02	0.32109E-23	
	0.26722E+02	0.22127E-26	
	0.29303E+02	0.12469E-29	
	0.31884E+02	0.87900E-32	
	0.34464E+02	0.66686E-34	
	0.37045E+02	0.31691E-36	
	0.39626E+02	0.90922E-39	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.00000E+00	0.10000E+01	0.28197E+00
	0.15240E-02	0.86375E+00	
	0.30619E+00	0.63788E+00	
	0.61086E+00	0.40804E+00	
	0.91552E+00	0.20474E+00	
	0.34962E+01	0.89934E-02	
	0.60769E+01	0.61018E-04	

	0.11694E+02	0.78267E-23	
	0.14464E+02	0.37948E-25	
	0.17045E+02	0.11168E-27	
	0.19626E+02	0.60658E-30	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.38059E+00
	0.15240E-02	0.93207E+00	
	0.30619E+00	0.69197E+00	
	0.61086E+00	0.48587E+00	
	0.91552E+00	0.29081E+00	
	0.34962E+01	0.35547E-01	
	0.60769E+01	0.13996E-02	
	0.86575E+01	0.16550E-04	
	0.11238E+02	0.56774E-07	
	0.13819E+02	0.55931E-10	
	0.16400E+02	0.86108E-13	
	0.18980E+02	0.72934E-14	
	0.21561E+02	0.54279E-15	
	0.24142E+02	0.28708E-16	
	0.26722E+02	0.19566E-17	
	0.29303E+02	0.26422E-19	
	0.31884E+02	0.43661E-21	
	0.34464E+02	0.46213E-23	
	0.37045E+02	0.30402E-25	
	0.39626E+02	0.12963E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.41086E+00
	0.15240E-02	0.90595E+00	
	0.30619E+00	0.70372E+00	
	0.61086E+00	0.50386E+00	
	0.91552E+00	0.31264E+00	
	0.34962E+01	0.46381E-01	
	0.60769E+01	0.25368E-02	
	0.86575E+01	0.47935E-04	
	0.11238E+02	0.30286E-06	
	0.13819E+02	0.62918E-09	
	0.16400E+02	0.58372E-12	
	0.18980E+02	0.21390E-13	
	0.21561E+02	0.21332E-14	
	0.24142E+02	0.15903E-15	
	0.26722E+02	0.86815E-17	
	0.29303E+02	0.34070E-18	
	0.31884E+02	0.94099E-20	
	0.34464E+02	0.17851E-21	
	0.37045E+02	0.22652E-23	
	0.39626E+02	0.18775E-25	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.44021E+00

0.15240E-02	0.90925E+00
0.30619E+00	0.71381E+00
0.61086E+00	0.51972E+00
0.91552E+00	0.33217E+00
0.34962E+01	0.57614E-01
0.60769E+01	0.41025E-02
0.86575E+01	0.11280E-03
0.11238E+02	0.11632E-05
0.13819E+02	0.44137E-08
0.16400E+02	0.64043E-11
0.18980E+02	0.53329E-13
0.21561E+02	0.63689E-14
0.24142E+02	0.62202E-15
0.26722E+02	0.46249E-16
0.29303E+02	0.25793E-17
0.31884E+02	0.10611E-18
0.34464E+02	0.31589E-20
0.37045E+02	0.66608E-22
0.39626E+02	0.97209E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.46876E+00
	0.15240E-02	0.91213E+00	
	0.30619E+00	0.72266E+00	
	0.61086E+00	0.53352E+00	
	0.91552E+00	0.34982E+00	
	0.34962E+01	0.69024E-01	
	0.60769E+01	0.61033E-02	
	0.86575E+01	0.22849E-03	
	0.11238E+02	0.35156E-05	
	0.13819E+02	0.21860E-07	
	0.16400E+02	0.54888E-10	
	0.18980E+02	0.15547E-12	
	0.21561E+02	0.15608E-13	
	0.24142E+02	0.18938E-14	
	0.26722E+02	0.18065E-15	
	0.29303E+02	0.13348E-16	
	0.31884E+02	0.75469E-18	
	0.34464E+02	0.32140E-19	
	0.37045E+02	0.10131E-20	
	0.39626E+02	0.23190E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.49660E+00
	0.15240E-02	0.91468E+00	
	0.30619E+00	0.73053E+00	
	0.61086E+00	0.54605E+00	
	0.91552E+00	0.36591E+00	
	0.34962E+01	0.80459E-01	
	0.60769E+01	0.85259E-02	
	0.86575E+01	0.41275E-03	
	0.11238E+02	0.88718E-05	
	0.13819E+02	0.83299E-07	

0.39626E+02	0.17449E-19
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TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.57658E+00
	0.15240E-02	0.92097E+00	
	0.30619E+00	0.75001E+00	
	0.61086E+00	0.57748E+00	
	0.91552E+00	0.40703E+00	
	0.34962E+01	0.11401E+00	
	0.60769E+01	0.18028E-01	
	0.86575E+01	0.15387E-02	
	0.11238E+02	0.69101E-04	
	0.13819E+02	0.16085E-05	
	0.16400E+02	0.19228E-07	
	0.18980E+02	0.11796E-09	
	0.21561E+02	0.53489E-12	
	0.24142E+02	0.37399E-13	
	0.26722E+02	0.66999E-14	
	0.29303E+02	0.10249E-14	
	0.31884E+02	0.13092E-15	
	0.34464E+02	0.13856E-16	
	0.37045E+02	0.12046E-17	
	0.39626E+02	0.85195E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.60223E+00
	0.15240E-02	0.92273E+00	
	0.30619E+00	0.75549E+00	
	0.61086E+00	0.58639E+00	
	0.91552E+00	0.41878E+00	
	0.34962E+01	0.12478E+00	
	0.60769E+01	0.21819E-01	
	0.86575E+01	0.21467E-02	
	0.11238E+02	0.11594E-03	
	0.13819E+02	0.33876E-05	
	0.16400E+02	0.53055E-07	
	0.18980E+02	0.44359E-09	
	0.21561E+02	0.22190E-11	
	0.24142E+02	0.66024E-13	
	0.26722E+02	0.12464E-13	
	0.29303E+02	0.21525E-14	
	0.31884E+02	0.31486E-15	
	0.34464E+02	0.38729E-16	
	0.37045E+02	0.39761E-17	
	0.39626E+02	0.33787E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.62745E+00
	0.15240E-02	0.92435E+00	
	0.30619E+00	0.76057E+00	
	0.61086E+00	0.59470E+00	

0.16500E+02	0.33904E-09
0.18380E+02	0.77348E-12
0.21561E+02	0.33135E-13
0.24142E+02	0.47850E-14
0.26722E+02	0.53972E-15
0.29103E+02	0.52126E-16
0.31884E+02	0.38215E-17
0.34464E+02	0.21777E-18
0.37045E+02	0.95097E-20
0.39626E+02	0.31319E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00100E+00	0.10000E+01	0.52381E+00
	0.15240E-02	0.91698E+00	
	0.30619E+00	0.73763E+00	
	0.61086E+00	0.55744E+00	
	0.91552E+00	0.38069E+00	
	0.34962E+01	0.91813E-01	
	0.60769E+01	0.11344E-01	
	0.86575E+01	0.68283E-03	
	0.11238E+02	0.19481E-04	
	0.13819E+02	0.25931E-06	
	0.16400E+02	0.15957E-08	
	0.18980E+02	0.48037E-11	
	0.21561E+02	0.67770E-13	
	0.24142E+02	0.10486E-13	
	0.26722E+02	0.14551E-14	
	0.29303E+02	0.16433E-15	
	0.31884E+02	0.14954E-16	
	0.34464E+02	0.10850E-17	
	0.37045E+02	0.62028E-19	
	0.39626E+02	0.27569E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00600E+00	0.10000E+01	0.55045E+00
	0.15240E-02	0.91906E+00	
	0.30619E+00	0.74409E+00	
	0.61086E+00	0.56787E+00	
	0.91552E+00	0.39434E+00	
	0.34962E+01	0.10301E+00	
	0.60769E+01	0.14523E-01	
	0.86575E+01	0.10539E-02	
	0.11238E+02	0.38339E-04	
	0.13819E+02	0.66839E-06	
	0.16400E+02	0.60446E-08	
	0.18980E+02	0.26239E-10	
	0.21561E+02	0.15995E-12	
	0.24142E+02	0.26595E-13	
	0.26722E+02	0.32977E-14	
	0.29303E+02	0.43848E-15	
	0.31884E+02	0.47900E-16	
	0.34464E+02	0.42603E-17	
	0.37045E+02	0.30541E-18	

0.31552E+03	0.42395E+00
0.34962E+01	0.13529E+00
0.60769E+01	0.25961E-01
0.86575E+01	0.28847E-02
0.11238E+02	0.18337E-03
0.13819E+02	0.65482E-05
0.16400E+02	0.13018E-06
0.18980E+02	0.14333E-08
0.21561E+02	0.90568E-11
0.24142E+02	0.12551E-12
0.26722E+02	0.21600E-13
0.29303E+02	0.41414E-14
0.31884E+02	0.68199E-15
0.34464E+02	0.95652E-16
0.37045E+02	0.11351E-16
0.39626E+02	0.11314E-17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.65225E+00
	0.15240E-02	0.92587E+00	
	0.30619E+00	0.76531E+00	
	0.61086E+00	0.60248E+00	
	0.91552E+00	0.44038E+00	
	0.34962E+01	0.14555E+00	
	0.60769E+01	0.30120E-01	
	0.86575E+01	0.37569E-02	
	0.11238E+02	0.27606E-03	
	0.13819E+02	0.11784E-04	
	0.16400E+02	0.28960E-06	
	0.18980E+02	0.40754E-08	
	0.21561E+02	0.33187E-10	
	0.24142E+02	0.29342E-12	
	0.26722E+02	0.35468E-13	
	0.29303E+02	0.74092E-14	
	0.31884E+02	0.13545E-14	
	0.34464E+02	0.21324E-15	
	0.37045E+02	0.28741E-16	
	0.39626E+02	0.32952E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.67667E+00
	0.15240E-02	0.92730E+00	
	0.30619E+00	0.76976E+00	
	0.61086E+00	0.60979E+00	
	0.91552E+00	0.45021E+00	
	0.34962E+01	0.15554E+00	
	0.60769E+01	0.34564E-01	
	0.86575E+01	0.47650E-02	
	0.11238E+02	0.39864E-03	
	0.13819E+02	0.19963E-04	
	0.16400E+02	0.59319E-06	
	0.18980E+02	0.10400E-07	
	0.21561E+02	0.10778E-09	

0.24142E+02 0.85362E-12
 0.26722E+02 0.56578E-13
 0.29303E+02 0.12473E-13
 0.31884E+02 0.25015E-14
 0.34464E+02 0.43634E-15
 0.37045E+02 0.65835E-16
 0.39626E+02 0.85429E-17

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1000E+03 0.00000E+00 0.10000E+01 0.70073E+00
 0.15240E-02 0.92863E+00
 0.30619E+00 0.77394E+00
 0.61086E+00 0.61668E+00
 0.91552E+00 0.45952E+00
 0.34962E+01 0.16527E+00
 0.60769E+01 0.39164E-01
 0.86575E+01 0.59088E-02
 0.11238E+02 0.55559E-03
 0.13819E+02 0.32126E-04
 0.16400E+02 0.11325E-05
 0.18980E+02 0.24203E-07
 0.21561E+02 0.31313E-09
 0.24142E+02 0.27125E-11
 0.26722E+02 0.91815E-13
 0.29303E+02 0.19958E-13
 0.31884E+02 0.43440E-14
 0.34464E+02 0.83042E-15
 0.37045E+02 0.13856E-15
 0.39626E+02 0.20077E-16

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1050E+03 0.00000E+00 0.10000E+01 0.72446E+00
 0.15240E-02 0.92989E+00
 0.30619E+00 0.77788E+00
 0.61086E+00 0.62320E+00
 0.91552E+00 0.46834E+00
 0.34962E+01 0.17474E+00
 0.60769E+01 0.43895E-01
 0.86575E+01 0.71863E-02
 0.11238E+02 0.75110E-03
 0.13819E+02 0.49467E-04
 0.16400E+02 0.20356E-05
 0.18980E+02 0.52040E-07
 0.21561E+02 0.82434E-09
 0.24142E+02 0.84217E-11
 0.26722E+02 0.16332E-12
 0.29303E+02 0.30643E-13
 0.31884E+02 0.71574E-14
 0.34464E+02 0.14857E-14
 0.37045E+02 0.27134E-15
 0.39626E+02 0.43401E-16

TIME DEPTH CONCENTRATION TOTAL FLUX

0.86575E+01 0.11785E-01
 0.11238E+02 0.16050E-02
 0.13819E+02 0.14639E-03
 0.16400E+02 0.86892E-05
 0.18980E+02 0.35501E-06
 0.21561E+02 0.93532E-08
 0.24142E+02 0.16246E-09
 0.26722E+02 0.21117E-11
 0.29303E+02 0.10181E-12
 0.31884E+02 0.25026E-13
 0.34464E+02 0.6325E-14
 0.37045E+02 0.14501E-14
 0.39626E+02 0.29590E-15

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1250E+03 0.00000E+00 0.10000E+01 0.81635E+00
 0.15240E-02 0.93430E+00
 0.30619E+00 0.79173E+00
 0.61086E+00 0.64615E+00
 0.91552E+00 0.49964E+00
 0.34962E+01 0.21011E+00
 0.60769E+01 0.63707E-01
 0.86575E+01 0.13557E-01
 0.11238E+02 0.19885E-02
 0.13819E+02 0.19869E-03
 0.16400E+02 0.13416E-04
 0.18980E+02 0.60886E-06
 0.21561E+02 0.18503E-07
 0.24142E+02 0.37632E-09
 0.26722E+02 0.54358E-11
 0.29303E+02 0.16462E-12
 0.31884E+02 0.35703E-13
 0.34464E+02 0.95422E-14
 0.37045E+02 0.23168E-14
 0.39626E+02 0.50566E-15

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1270E+03 0.00000E+00 0.10000E+01 0.82530E+00
 0.15240E-02 0.93470E+00
 0.30619E+00 0.79297E+00
 0.61086E+00 0.64822E+00
 0.91552E+00 0.50247E+00
 0.34962E+01 0.21344E+00
 0.60769E+01 0.65739E-01
 0.86575E+01 0.14296E-01
 0.11238E+02 0.21567E-02
 0.13819E+02 0.22306E-03
 0.16400E+02 0.15691E-04
 0.18980E+02 0.74674E-06
 0.21561E+02 0.23951E-07
 0.24142E+02 0.51723E-09
 0.26722E+02 0.78594E-11
 0.29303E+02 0.20545E-12

INTO SOIL

0.1100E+03 0.00000E+00 0.10000E+01 0.74787E+00
 0.15240E-02 0.93108E+00
 0.30619E+00 0.78161E+00
 0.61036E+00 0.62937E+00
 0.91552E+00 0.47673E+00
 0.34962E+01 0.18395E+00
 0.60769E+01 0.48734E-01
 0.86575E+01 0.85944E-02
 0.11238E+02 0.98899E-03
 0.13819E+02 0.73319E-04
 0.16400E+02 0.34727E-05
 0.18980E+02 0.10450E-06
 0.21561E+02 0.19911E-08
 0.24142E+02 0.24413E-10
 0.26722E+02 0.34010E-12
 0.29303E+02 0.45692E-13
 0.31884E+02 0.11272E-13
 0.34464E+02 0.25202E-14
 0.37045E+02 0.49941E-15
 0.39626E+02 0.87330E-16

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1150E+03 0.00000E+00 0.10000E+01 0.77098E+00
 0.15240E-02 0.93221E+00
 0.30619E+00 0.78515E+00
 0.61036E+00 0.63524E+00
 0.91552E+00 0.48472E+00
 0.34962E+01 0.19291E+00
 0.60769E+01 0.53661E-01
 0.86575E+01 0.10129E-01
 0.11238E+02 0.12726E-02
 0.13819E+02 0.10512E-03
 0.16400E+02 0.58613E-05
 0.18980E+02 0.19770E-06
 0.21561E+02 0.44605E-08
 0.24142E+02 0.65416E-10
 0.26722E+02 0.81905E-12
 0.29303E+02 0.67446E-13
 0.31884E+02 0.17076E-13
 0.34464E+02 0.40825E-14
 0.37045E+02 0.87114E-15
 0.39626E+02 0.16515E-15

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1200E+03 0.00000E+00 0.10000E+01 0.79380E+00
 0.15240E-02 0.93328E+00
 0.30619E+00 0.78852E+00
 0.61036E+00 0.64082E+00
 0.91552E+00 0.49235E+00
 0.34962E+01 0.20163E+00
 0.60769E+01 0.58657E-01

0.11834E+02 0.40917E-13
 0.14464E+02 0.11129E-13
 0.17045E+02 0.27655E-14
 0.19626E+02 0.61908E-15

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1300E+03 0.00000E+00 0.10000E+01 0.83864E+00
 0.15240E-02 0.93528E+00
 0.30619E+00 0.79479E+00
 0.61086E+00 0.65125E+00
 0.91552E+00 0.50662E+00
 0.34962E+01 0.21837E+00
 0.60769E+01 0.68797E-01
 0.86575E+01 0.15439E-01
 0.11238E+02 0.24252E-02
 0.13819E+02 0.26362E-03
 0.16400E+02 0.19674E-04
 0.18980E+02 0.10026E-05
 0.21561E+02 0.34761E-07
 0.24142E+02 0.81866E-09
 0.26722E+02 0.13473E-10
 0.29303E+02 0.29693E-12
 0.31884E+02 0.49989E-13
 0.34464E+02 0.13896E-13
 0.37045E+02 0.35700E-14
 0.39626E+02 0.82881E-15

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1310E+03 0.00000E+00 0.10000E+01 0.84307E+00
 0.15240E-02 0.93547E+00
 0.30619E+00 0.79538E+00
 0.61086E+00 0.65224E+00
 0.91552E+00 0.50798E+00
 0.34962E+01 0.21999E+00
 0.60769E+01 0.69819E-01
 0.86575E+01 0.15828E-01
 0.11238E+02 0.25191E-02
 0.13819E+02 0.27826E-03
 0.16400E+02 0.21167E-04
 0.18980E+02 0.11028E-05
 0.21561E+02 0.39210E-07
 0.24142E+02 0.94972E-09
 0.26722E+02 0.16059E-10
 0.29303E+02 0.33889E-12
 0.31884E+02 0.53402E-13
 0.34464E+02 0.14930E-13
 0.37045E+02 0.38770E-14
 0.39626E+02 0.91073E-15

INTO SOIL				0.36575E+01	0.56770E-07
0.1500E+02	0.00000E+00	0.10000E+01	0.18226E+00	0.11238E+02	0.76073E-11
	0.15240E-02	0.87595E+00		0.13819E+02	0.19625E-13
	0.30619E+00	0.57605E+00		0.16400E+02	0.83639E-15
	0.61086E+00	0.31756E+00		0.1990E+02	0.20896E-18
	0.91552E+00	0.11285E+00		0.21561E+02	0.29176E-18
	0.34962E+01	0.86813E-03		0.2112E+02	0.21662E-20
	0.60769E+01	0.27305E-06		0.26722E+02	0.80608E-23
	0.86575E+01	0.32874E-11		0.29303E+02	0.14137E-25
	0.11238E+02	0.58534E-14		0.31884E+02	0.13809E-28
	0.13819E+02	0.69251E-16		0.34464E+02	0.73303E-31
	0.16400E+02	0.31839E-18		0.37045E+02	0.11014E-32
	0.18980E+02	0.51302E-21		0.39626E+02	0.12028E-34
	0.21561E+02	0.25496E-24			
	0.24142E+02	0.38483E-28		TIME	DEPTH
	0.26722E+02	0.37371E-31			CONCENTRATION
	0.29303E+02	0.14897E-33			TOTAL FLUX
	0.31884E+02	0.32774E-36		0.3000E+02	0.00000E+00
	0.34464E+02	0.36854E-39			0.15240E-02
	0.37045E+02	0.20243E-42			0.90560E+00
	0.39626E+02	0.67957E-46			0.30619E+00
TIME	DEPTH	CONCENTRATION	TOTAL FLUX		0.43877E+00
			INTO SOIL		0.31552E+00
0.2000E+02	0.00000E+00	0.10000E+01	0.21782E+00		0.34962E+01
	0.15240E-02	0.89033E+00			0.15564E-01
	0.30619E+00	0.62030E+00			0.23274E-03
	0.61086E+00	0.37176E+00			0.36575E+01
	0.91552E+00	0.15627E+00			0.11238E+02
	0.34962E+01	0.35835E-02			0.13819E+02
	0.60769E+01	0.77154E-05			0.16400E+02
	0.86575E+01	0.13987E-08			0.1990E+02
	0.11238E+02	0.84681E-13			0.21561E+02
	0.13819E+02	0.23614E-14			0.26722E+02
	0.16400E+02	0.44725E-16			0.29303E+02
	0.18980E+02	0.41403E-18			0.31884E+02
	0.21561E+02	0.17508E-20			0.34464E+02
	0.24142E+02	0.31158E-23			0.37045E+02
	0.26722E+02	0.21572E-26			0.39626E+02
	0.29303E+02	0.12034E-29		TIME	DEPTH
	0.31884E+02	0.84183E-32			CONCENTRATION
	0.34464E+02	0.64056E-34			TOTAL FLUX
	0.37045E+02	0.30536E-36		0.3500E+02	0.00000E+00
	0.39626E+02	0.87883E-39			0.15240E-02
TIME	DEPTH	CONCENTRATION	TOTAL FLUX		0.31026E+00
			INTO SOIL		0.30619E+00
0.2500E+02	0.00000E+00	0.10000E+01	0.25041E+00		0.68471E+00
	0.15240E-02	0.8935E+00			0.46176E+00
	0.30619E+00	0.64894E+00			0.24898E+00
	0.61086E+00	0.40994E+00			0.24037E-01
	0.91552E+00	0.19241E+00			0.60769E+01
	0.34962E+01	0.85793E-02			0.86575E+01
	0.60769E+01	0.58955E-04			0.11238E+02
					0.13819E+02
					0.16400E+02
					0.1990E+02
					0.21561E+02
					0.26722E+02
					0.29303E+02
					0.31884E+02
					0.34464E+02
					0.37045E+02
					0.39626E+02
TIME	DEPTH	CONCENTRATION	TOTAL FLUX		0.91963E+00
			INTO SOIL		0.71645E+00
0.4000E+02	0.00000E+00	0.10000E+01	0.33847E+00		0.51152E+00
	0.15240E-02	0.91396E+00			0.31012E+00
	0.30619E+00	0.69713E+00			0.54115E-01
	0.61086E+00	0.48086E+00			0.60769E+01
	0.91552E+00	0.27178E+00			0.86575E+01
	0.34962E+01	0.33522E-01			0.11238E+02
	0.60769E+01	0.13326E-02			0.13819E+02
	0.86575E+01	0.15896E-04			0.16400E+02
	0.11238E+02	0.54847E-07			0.1990E+02
	0.13819E+02	0.54471E-10			0.21561E+02
	0.16400E+02	0.81504E-13			0.26722E+02
	0.18980E+02	0.68668E-14			0.29303E+02
	0.21561E+02	0.51236E-15			0.31884E+02
	0.24142E+02	0.27174E-16			0.34464E+02
	0.26722E+02	0.10031E-17			0.37045E+02
	0.29303E+02	0.25162E-19			0.39626E+02
	0.31884E+02	0.41712E-21		TIME	DEPTH
	0.34464E+02	0.44294E-23			CONCENTRATION
	0.37045E+02	0.29233E-25			TOTAL FLUX
	0.39626E+02	0.12484E-27		0.5500E+02	0.00000E+00
TIME	DEPTH	CONCENTRATION	TOTAL FLUX		0.14825E+00
			INTO SOIL		0.92191E+00
0.4500E+02	0.00000E+00	0.10000E+01	0.36576E+00		0.72431E+00
	0.15240E-02	0.91701E+00			0.52426E+00
	0.30619E+00	0.70751E+00			0.32657E+00
	0.61086E+00	0.49721E+00			0.64746E-01
	0.91552E+00	0.29198E+00			0.60769E+01
	0.34962E+01	0.43641E-01			0.86575E+01
	0.60769E+01	0.24077E-02			0.11238E+02
	0.86575E+01	0.45870E-04			0.13819E+02
	0.11238E+02	0.29193E-06			0.16400E+02
	0.13819E+02	0.61034E-09			0.1990E+02
	0.16400E+02	0.56346E-12			0.21561E+02
	0.18980E+02	0.20103E-13			0.26722E+02
	0.21561E+02	0.20087E-14			0.29303E+02
	0.24142E+02	0.15009E-15			0.31884E+02
	0.26722E+02	0.82146E-17			0.34464E+02
	0.29303E+02	0.32324E-18			0.37045E+02
	0.31884E+02	0.89526E-20			0.39626E+02
	0.34464E+02	0.17034E-21		TIME	DEPTH
	0.37045E+02	0.21680E-23			CONCENTRATION
	0.39626E+02	0.18022E-25			TOTAL FLUX
TIME	DEPTH	CONCENTRATION	TOTAL FLUX		INTO SOIL
			INTO SOIL	0.6000E+02	0.00000E+00
0.5000E+02	0.00000E+00	0.10000E+01	0.39233E+00		0.10000E+01
					0.92395E+00
					0.73133E+00
					0.53577E+00
					0.34161E+00
					0.75395E-01
					0.80385E-02
					0.39172E-03
					0.84728E-05
					0.80014E-07

0.16400E+02	0.32736E-09		
0.18980E+02	0.74438E-12		
0.21561E+02	0.31282E-13		
0.24142E+02	0.44933E-14		
0.26722E+02	0.52636E-15		
0.29303E+02	0.49102E-16		
0.31884E+02	0.36065E-17		
0.34464E+02	0.20594E-18		
0.37045E+02	0.90124E-20		
0.39626E+02	0.29749E-21		

0.15926E+02	0.16499E-19		
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.30630E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.30619E+00	0.74884E+00	
	0.61036E+00	0.56481E+00	
	0.91552E+00	0.36031E+00	
	0.14562E+01	0.10665E+00	
	0.60769E+01	0.16932E-01	
	0.86575E+01	0.14525E-02	
	0.11238E+02	0.65577E-04	
	0.13819E+02	0.15343E-05	
	0.16400E+02	0.18429E-07	
	0.18980E+02	0.11353E-09	
	0.21561E+02	0.51197E-12	
	0.24142E+02	0.35075E-13	
	0.26722E+02	0.62840E-14	
	0.29303E+02	0.96209E-15	
	0.31884E+02	0.12303E-15	
	0.34464E+02	0.13039E-16	
	0.37045E+02	0.11352E-17	
	0.39626E+02	0.80415E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.85968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13819E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98835E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14088E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.30619E+00	0.75380E+00	
	0.61036E+00	0.57311E+00	
	0.91552E+00	0.39152E+00	
	0.34962E+01	0.11669E+00	
	0.60769E+01	0.20475E-01	
	0.86575E+01	0.20238E-02	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.36406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.31845E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55589E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13819E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45065E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28826E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.30619E+00	0.75843E+00	
	0.61036E+00	0.58087E+00	
	0.24142E+02	0.81624E-12	
	0.26722E+02	0.53091E-13	
	0.29303E+02	0.11692E-13	
	0.31884E+02	0.23454E-14	
	0.34464E+02	0.40935E-15	
	0.37045E+02	0.61807E-16	
	0.39626E+02	0.80274E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.58668E+00
	0.15240E-02	0.93298E+00	
	0.30619E+00	0.76275E+00	
	0.61086E+00	0.58816E+00	
	0.91552E+00	0.41200E+00	
	0.34962E+01	0.13609E+00	
	0.60769E+01	0.28227E-01	
	0.86575E+01	0.35342E-02	
	0.11238E+02	0.26082E-03	
	0.13819E+02	0.11182E-04	
	0.16400E+02	0.27600E-06	
	0.18980E+02	0.38998E-08	
	0.21561E+02	0.31867E-10	
	0.24142E+02	0.27899E-12	
	0.26722E+02	0.33253E-13	
	0.29303E+02	0.69459E-14	
	0.31884E+02	0.12704E-14	
	0.34464E+02	0.20015E-15	
	0.37045E+02	0.27001E-16	
	0.39626E+02	0.30989E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.63161E+00
	0.15240E-02	0.93524E+00	
	0.30619E+00	0.77066E+00	
	0.61036E+00	0.60153E+00	
	0.91552E+00	0.43033E+00	
	0.34962E+01	0.15454E+00	
	0.60769E+01	0.36673E-01	
	0.86575E+01	0.55495E-02	
	0.11238E+02	0.52375E-03	
	0.13819E+02	0.30405E-04	
	0.16400E+02	0.10761E-05	
	0.18980E+02	0.23085E-07	
	0.21561E+02	0.29974E-09	
	0.24142E+02	0.25990E-11	
	0.26722E+02	0.86359E-13	
	0.29303E+02	0.18707E-13	
	0.31884E+02	0.40722E-14	
	0.34464E+02	0.77877E-15	
	0.37045E+02	0.13002E-15	
	0.39626E+02	0.18853E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.58668E+00
	0.15240E-02	0.93298E+00	
	0.30619E+00	0.76275E+00	
	0.61086E+00	0.58816E+00	
	0.91552E+00	0.41200E+00	
	0.34962E+01	0.13609E+00	
	0.60769E+01	0.28227E-01	
	0.86575E+01	0.35342E-02	
	0.11238E+02	0.26082E-03	
	0.13819E+02	0.11182E-04	
	0.16400E+02	0.27600E-06	
	0.18980E+02	0.38998E-08	
	0.21561E+02	0.31867E-10	
	0.24142E+02	0.27899E-12	
	0.26722E+02	0.33253E-13	
	0.29303E+02	0.69459E-14	
	0.31884E+02	0.12704E-14	
	0.34464E+02	0.20015E-15	
	0.37045E+02	0.27001E-16	
	0.39626E+02	0.30989E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.65365E+00
	0.15240E-02	0.93627E+00	
	0.30619E+00	0.77430E+00	
	0.61036E+00	0.60769E+00	
	0.91552E+00	0.43881E+00	
	0.34962E+01	0.16342E+00	
	0.60769E+01	0.41093E-01	
	0.86575E+01	0.67451E-02	
	0.11238E+02	0.70740E-03	
	0.13819E+02	0.46764E-04	
	0.16400E+02	0.19316E-05	
	0.18980E+02	0.49566E-07	
	0.21561E+02	0.78791E-09	
	0.24142E+02	0.80687E-11	
	0.26722E+02	0.15430E-12	
	0.29303E+02	0.28727E-13	
	0.31884E+02	0.67050E-14	
	0.34464E+02	0.13929E-14	
	0.37045E+02	0.25451E-15	
	0.39626E+02	0.40734E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.60929E+00
	0.15240E-02	0.93414E+00	
	0.30619E+00	0.76682E+00	
	0.61086E+00	0.59503E+00	
	0.91552E+00	0.42141E+00	
	0.34962E+01	0.14544E+00	
	0.60769E+01	0.32377E-01	
	0.86575E+01	0.44786E-02	
	0.11238E+02	0.37619E-03	
	0.13819E+02	0.18918E-04	
	0.16400E+02	0.56445E-06	
	0.18980E+02	0.99351E-08	
	0.21561E+02	0.10334E-09	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
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Southern Expansion Area - SL2RHOMX.IN

```

0.00107
Va Darcy Velocity
NOLAY :No. of Layers
N 3
8e-05 1 0 ARE ANY LAYERS FRACTURED? 0.94 0.001524 1
0.018 0.36 0 2.12 0.914 3
0.064 0.41 0 1.69 38.709999 15
2 MT - Top Boundary Code
4 MB - Base Boundary Code
1 CO - Initial Source Conc.
N Is there Decay
N Do you have an initial concentration profile?
Y Accept default TALBOT parameters?
N Limited number of depths for results
28 NOTIME:No. of times of interest
5 10 15 20 25
30 35 40 45 50
55 60 65 70 75
80 85 90 95 100
105 110 115 120 125
127 130 131
    
```

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*****
* POLLUTEV6 SIMULATION
*
* RUN DATE - 26- 7-88
* TIME - 10:28:39
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
*
* LICENSED USER: Andrews Environmental Eng. Inc
*****
    
```

Southern Expansion Area - SL2RHOMX.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-02
(Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.8000E-04	0.100E+01	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.1800E-01	0.3600	0.0000E+00	2.1200	0.9140E+00
3	15	0.6400E-01	0.41000	0.0000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

```

CODE TOP BOTTOM
1 = Zero Flux Zero Flux
2 = C = Const. C = Const.
3 = Finite Mass Fixed Outflow Velocity
4 = Infinite Bottom Layer
    
```

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.90941E-01
	0.15240E-02	0.79140E+00	
	0.30619E+00	0.34284E+00	
	0.61086E+00	0.59438E-01	
	0.91552E+00	0.12103E-01	
	0.34962E+01	0.19972E-07	
	0.60769E+01	0.53073E-14	
	0.86575E+01	0.13375E-17	
	0.11238E+02	0.15946E-22	
	0.13819E+02	0.62233E-29	
	0.16400E+02	0.18179E-33	
	0.18900E+02	0.31919E-38	
	0.21561E+02	0.70215E-44	
	0.24142E+02	0.27696E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	
0.1000E+02	0.0000E+00	0.10000E+01	0.14167E+00
	0.15240E-02	0.84994E+00	
	0.30619E+00	0.4936E+00	
	0.61086E+00	0.23410E+00	
	0.91552E+00	0.61706E-01	
	0.34962E+01	0.55501E-04	
	0.60769E+01	0.38194E-09	
	0.86575E+01	0.10542E-13	
	0.11238E+02	0.48063E-16	
	0.13819E+02	0.52727E-19	
	0.16400E+02	0.11408E-22	
	0.18900E+02	0.39275E-27	
	0.21561E+02	0.41510E-31	
	0.24142E+02	0.44749E-34	
	0.26722E+02	0.19429E-37	
	0.29303E+02	0.29903E-41	
	0.31884E+02	0.17808E-45	
	0.34464E+02	0.41342E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	
0.2500E+02	0.0000E+00	0.10000E+01	0.25041E+00
	0.15240E-02	0.89935E+00	
	0.30619E+00	0.64894E+00	
	0.61086E+00	0.40994E+00	
	0.91552E+00	0.19241E+00	
	0.34962E+01	0.85793E-02	
	0.60769E+01	0.58955E-04	

INTO SOIL

0.1500E+02	0.0000E+00	0.10000E+01	0.18226E+00
	0.15240E-02	0.87595E+00	
	0.30619E+00	0.57605E+00	
	0.61086E+00	0.31756E+00	
	0.91552E+00	0.11285E+00	
	0.34962E+01	0.86813E-03	
	0.60769E+01	0.27305E-06	
	0.86575E+01	0.32874E-11	
	0.11238E+02	0.58534E-14	
	0.13819E+02	0.69251E-16	
	0.16400E+02	0.31839E-18	
	0.18900E+02	0.51302E-21	
	0.21561E+02	0.25496E-24	
	0.24142E+02	0.38483E-28	
	0.26722E+02	0.37371E-31	
	0.29303E+02	0.14897E-33	
	0.31884E+02	0.32774E-36	
	0.34464E+02	0.36854E-39	
	0.37045E+02	0.20243E-42	
	0.39626E+02	0.67957E-46	
0.2000E+02	0.0000E+00	0.10000E+01	0.21782E+00
	0.15240E-02	0.89033E+00	
	0.30619E+00	0.62030E+00	
	0.61086E+00	0.37176E+00	
	0.91552E+00	0.15627E+00	
	0.34962E+01	0.35835E-02	
	0.60769E+01	0.77154E-05	
	0.86575E+01	0.13987E-08	
	0.11238E+02	0.84681E-13	
	0.13819E+02	0.23614E-14	
	0.16400E+02	0.44725E-16	
	0.18900E+02	0.41403E-18	
	0.21561E+02	0.17508E-20	
	0.24142E+02	0.31158E-23	
	0.26722E+02	0.21572E-26	
	0.29303E+02	0.12034E-29	
	0.31884E+02	0.84183E-32	
	0.34464E+02	0.64056E-34	
	0.37045E+02	0.30536E-36	
	0.39626E+02	0.87883E-39	
0.2500E+02	0.0000E+00	0.10000E+01	0.25041E+00
	0.15240E-02	0.89935E+00	
	0.30619E+00	0.64894E+00	
	0.61086E+00	0.40994E+00	
	0.91552E+00	0.19241E+00	
	0.34962E+01	0.85793E-02	
	0.60769E+01	0.58955E-04	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.06575E+01	0.56770E-07		
0.11238E+02	0.76073E-11		
0.13919E+02	0.19625E-13		
0.16400E+02	0.83639E-15		
0.18980E+02	0.20895E-16		
0.21561E+02	0.29176E-18		
0.24142E+02	0.21662E-20		
0.26722E+02	0.80608E-23		
0.29303E+02	0.14137E-25		
0.31884E+02	0.13809E-28		
0.34464E+02	0.73303E-31		
0.37045E+02	0.11014E-32		
0.39626E+02	0.12028E-34		
0.3000E+02	0.0000E+00	0.10000E+01	0.28105E+00
	0.15240E-02	0.90560E+00	
	0.30619E+00	0.66925E+00	
	0.61086E+00	0.43877E+00	
	0.91552E+00	0.22286E+00	
	0.34962E+01	0.15564E-01	
	0.60769E+01	0.23274E-03	
	0.86575E+01	0.68446E-06	
	0.11238E+02	0.38113E-09	
	0.13819E+02	0.11912E-12	
	0.16400E+02	0.58137E-14	
	0.18980E+02	0.27819E-15	
	0.21561E+02	0.82777E-17	
	0.24142E+02	0.15098E-18	
	0.26722E+02	0.16155E-20	
	0.29303E+02	0.96860E-23	
	0.31884E+02	0.31027E-25	
	0.34464E+02	0.56404E-28	
	0.37045E+02	0.26647E-30	
	0.39626E+02	0.57651E-32	
0.3500E+02	0.0000E+00	0.10000E+01	0.31030E+00
	0.15240E-02	0.91026E+00	
	0.30619E+00	0.68471E+00	
	0.61086E+00	0.46176E+00	
	0.91552E+00	0.24898E+00	
	0.34962E+01	0.24037E-01	
	0.60769E+01	0.62787E-03	
	0.86575E+01	0.41069E-05	
	0.11238E+02	0.64836E-08	
	0.13819E+02	0.26404E-11	
	0.16400E+02	0.23640E-13	
	0.18980E+02	0.17365E-14	
	0.21561E+02	0.87982E-16	
	0.24142E+02	0.29750E-17	
	0.26722E+02	0.65293E-19	
	0.29303E+02	0.90036E-21	
0.5000E+02	0.0000E+00	0.10000E+01	0.39233E+00
	0.15240E-02	0.91963E+00	
	0.30619E+00	0.71645E+00	
	0.61086E+00	0.51152E+00	
	0.91552E+00	0.31012E+00	
	0.34962E+01	0.54115E-01	
	0.60769E+01	0.38836E-02	
	0.86575E+01	0.10767E-03	
	0.11238E+02	0.11173E-05	
	0.13819E+02	0.42659E-08	
	0.16400E+02	0.62135E-11	
	0.18980E+02	0.50162E-13	
	0.21561E+02	0.59864E-14	
	0.24142E+02	0.58578E-15	
	0.26722E+02	0.43648E-16	
	0.29303E+02	0.24400E-17	
	0.31884E+02	0.10062E-18	
	0.34464E+02	0.30034E-20	
	0.37045E+02	0.63502E-22	
	0.39626E+02	0.92933E-24	
0.5500E+02	0.0000E+00	0.10000E+01	0.41825E+00
	0.15240E-02	0.92191E+00	
	0.30619E+00	0.72431E+00	
	0.61086E+00	0.52426E+00	
	0.91552E+00	0.32857E+00	
	0.34962E+01	0.64746E-01	
	0.60769E+01	0.57650E-02	
	0.86575E+01	0.21736E-03	
	0.11238E+02	0.33665E-05	
	0.13819E+02	0.21059E-07	
	0.16400E+02	0.53145E-10	
	0.18980E+02	0.14768E-12	
	0.21561E+02	0.14653E-13	
	0.24142E+02	0.17805E-14	
	0.26722E+02	0.17006E-15	
	0.29303E+02	0.12597E-16	
	0.31884E+02	0.71378E-18	
	0.34464E+02	0.30467E-19	
	0.37045E+02	0.96277E-21	
	0.39626E+02	0.22092E-22	
0.6000E+02	0.0000E+00	0.10000E+01	0.44362E+00
	0.15240E-02	0.92395E+00	
	0.30619E+00	0.73133E+00	
	0.61086E+00	0.53577E+00	
	0.91552E+00	0.34161E+00	
	0.34962E+01	0.75395E-01	
	0.60769E+01	0.80385E-02	
	0.86575E+01	0.39172E-03	
	0.11238E+02	0.84728E-05	
	0.13819E+02	0.80014E-07	
0.6500E+02	0.0000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.95968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13819E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98385E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14089E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	
0.7000E+02	0.0000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55589E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13819E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45065E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28826E-18	
0.31884E+02	0.96300E+00	0.10000E+01	0.33847E+00
	0.15240E-02	0.91396E+00	
	0.30619E+00	0.69713E+00	
	0.61086E+00	0.48086E+00	
	0.91552E+00	0.27178E+00	
	0.34962E+01	0.33522E-01	
	0.60769E+01	0.13326E-02	
	0.86575E+01	0.15896E-04	
	0.11238E+02	0.54947E-07	
	0.13819E+02	0.54471E-10	
	0.16400E+02	0.81504E-13	
	0.18980E+02	0.68668E-14	
	0.21561E+02	0.51236E-15	
	0.24142E+02	0.27174E-16	
	0.26722E+02	0.10031E-17	
	0.29303E+02	0.25162E-19	
	0.31884E+02	0.41712E-21	
	0.34464E+02	0.44294E-23	
	0.37045E+02	0.29233E-25	
	0.39626E+02	0.12484E-27	
0.4500E+02	0.0000E+00	0.10000E+01	0.36576E+00
	0.15240E-02	0.91701E+00	
	0.30619E+00	0.70751E+00	
	0.61086E+00	0.49721E+00	
	0.91552E+00	0.29199E+00	
	0.34962E+01	0.43641E-01	
	0.60769E+01	0.24077E-02	
	0.86575E+01	0.45870E-04	
	0.11238E+02	0.29193E-06	
	0.13819E+02	0.61034E-09	
	0.16400E+02	0.56346E-12	
	0.18980E+02	0.20103E-13	
	0.21561E+02	0.20087E-14	
	0.24142E+02	0.15009E-15	
	0.26722E+02	0.82146E-17	
	0.29303E+02	0.32324E-18	
	0.31884E+02	0.89526E-20	
	0.34464E+02	0.17034E-21	
	0.37045E+02	0.21680E-23	
	0.39626E+02	0.18022E-25	
0.5000E+02	0.0000E+00	0.10000E+01	0.39233E+00
	0.15240E-02	0.92736E-09	
	0.30619E+00	0.74438E-12	
	0.61086E+00	0.31282E-13	
	0.91552E+00	0.44933E-14	
	0.34962E+01	0.52636E-15	
	0.60769E+01	0.49102E-16	
	0.86575E+01	0.36065E-17	
	0.11238E+02	0.20594E-18	
	0.13819E+02	0.90124E-20	
	0.16400E+02	0.29749E-21	
0.6500E+02	0.0000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.95968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13819E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98385E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14089E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	
0.7000E+02	0.0000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55589E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13819E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45065E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28826E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.39626E+02	0.16499E-19		
0.7500E+02	0.00000E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.30619E+00	0.74884E+00	
	0.61086E+00	0.56481E+00	
	0.91552E+00	0.38031E+00	
	0.34962E+01	0.10665E+00	
	0.60769E+01	0.16932E-01	
	0.86575E+01	0.14525E-02	
	0.11238E+02	0.65577E-04	
	0.13819E+02	0.15343E-05	
	0.16400E+02	0.18429E-07	
	0.18980E+02	0.11353E-09	
	0.21561E+02	0.51197E-12	
	0.24142E+02	0.35075E-13	
	0.26722E+02	0.62840E-14	
	0.29303E+02	0.96209E-15	
	0.31884E+02	0.12303E-15	
	0.34464E+02	0.13039E-16	
	0.37045E+02	0.11352E-17	
	0.39626E+02	0.80415E-19	
0.8000E+02	0.00000E+00	0.10000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.30619E+00	0.75380E+00	
	0.61086E+00	0.57311E+00	
	0.91552E+00	0.39152E+00	
	0.34962E+01	0.11669E+00	
	0.60769E+01	0.20475E-01	
	0.86575E+01	0.20238E-02	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.36406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.31845E-18	
0.8500E+02	0.00000E+00	0.10000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.30619E+00	0.75843E+00	
	0.61086E+00	0.58087E+00	
	0.24142E+02	0.81624E-12	
	0.26722E+02	0.53091E-13	
	0.29303E+02	0.11692E-13	
	0.31884E+02	0.23454E-14	
	0.34464E+02	0.40935E-15	
	0.37045E+02	0.61807E-16	
	0.39626E+02	0.80274E-17	
0.1000E+03	0.00000E+00	0.10000E+01	0.63161E+00
	0.15240E-02	0.93524E+00	
	0.30619E+00	0.77065E+00	
	0.61086E+00	0.60153E+00	
	0.91552E+00	0.43033E+00	
	0.34962E+01	0.15454E+00	
	0.60769E+01	0.36673E-01	
	0.86575E+01	0.55495E-02	
	0.11238E+02	0.52375E-03	
	0.13819E+02	0.30405E-04	
	0.16400E+02	0.10761E-05	
	0.18980E+02	0.23085E-07	
	0.21561E+02	0.29974E-09	
	0.24142E+02	0.25990E-11	
	0.26722E+02	0.86359E-13	
	0.29303E+02	0.18707E-13	
	0.31884E+02	0.40722E-14	
	0.34464E+02	0.77877E-15	
	0.37045E+02	0.13002E-15	
	0.39626E+02	0.18053E-16	
0.1050E+03	0.00000E+00	0.10000E+01	0.65365E+00
	0.15240E-02	0.93627E+00	
	0.30619E+00	0.77430E+00	
	0.61086E+00	0.60769E+00	
	0.91552E+00	0.43881E+00	
	0.34962E+01	0.16342E+00	
	0.60769E+01	0.41093E-01	
	0.86575E+01	0.67451E-02	
	0.11238E+02	0.70740E-03	
	0.13819E+02	0.46764E-04	
	0.16400E+02	0.19316E-05	
	0.18980E+02	0.49566E-07	
	0.21561E+02	0.78791E-09	
	0.24142E+02	0.80687E-11	
	0.26722E+02	0.15430E-12	
	0.29303E+02	0.28727E-13	
	0.31884E+02	0.67090E-14	
	0.34464E+02	0.13929E-14	
	0.37045E+02	0.25451E-15	
	0.39626E+02	0.40734E-16	
0.1100E+03	0.00000E+00	0.10000E+01	0.67543E+00
	0.15240E-02	0.93726E+00	
	0.30619E+00	0.77775E+00	
	0.61086E+00	0.61355E+00	
	0.91552E+00	0.44689E+00	
	0.34962E+01	0.17206E+00	
	0.60769E+01	0.45614E-01	
	0.86575E+01	0.80624E-02	
	0.11238E+02	0.93068E-03	
	0.13819E+02	0.69240E-04	
	0.16400E+02	0.32914E-05	
	0.18980E+02	0.99395E-07	
	0.21561E+02	0.19004E-08	
	0.24142E+02	0.23368E-10	
	0.26722E+02	0.32306E-12	
	0.29303E+02	0.42855E-13	
	0.31884E+02	0.10566E-13	
	0.34464E+02	0.23625E-14	
	0.37045E+02	0.46830E-15	
	0.39626E+02	0.81928E-16	
0.1150E+03	0.00000E+00	0.10000E+01	0.69696E+00
	0.15240E-02	0.93819E+00	
	0.30619E+00	0.78103E+00	
	0.61086E+00	0.61913E+00	
	0.91552E+00	0.45461E+00	
	0.34962E+01	0.18048E+00	
	0.60769E+01	0.50218E-01	
	0.86575E+01	0.94975E-02	
	0.11238E+02	0.11967E-02	
	0.13819E+02	0.99177E-04	
	0.16400E+02	0.53598E-05	
	0.18980E+02	0.18781E-06	
	0.21561E+02	0.42517E-08	
	0.24142E+02	0.62543E-10	
	0.26722E+02	0.78109E-12	
	0.29303E+02	0.63325E-13	
	0.31884E+02	0.16007E-13	
	0.34464E+02	0.38268E-14	
	0.37045E+02	0.81672E-15	
	0.39626E+02	0.15489E-15	
0.1200E+03	0.00000E+00	0.10000E+01	0.71825E+00
	0.15240E-02	0.93908E+00	
	0.30619E+00	0.78415E+00	
	0.61086E+00	0.62445E+00	
	0.91552E+00	0.46200E+00	
	0.34962E+01	0.18869E+00	
	0.60769E+01	0.54890E-01	


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*
*   POLLUTEV6 SIMULATION
*
*   RUN DATE - 26- 7--*
*   TIME     - 10:29:23
*
*   REVISION - 1994/03/01
*
*   VERSION 6.0.2
*
*   COPYRIGHT(c) R.K. ROHE & J.R. BOOKER 1983-1995
*
*   LICENSED USER: Andrews Environmental Eng. Inc
*
.....

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The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.9094E-01
	0.1524E+02	0.7914E+00	
	0.3155E+00	0.1210E-01	
	0.3496E+01	0.1997E-07	
	0.6076E+01	0.5307E-14	
	0.8657E+01	0.1337E-17	
	0.1123E+02	0.1594E-22	
	0.1381E+02	0.6223E-29	
	0.1640E+02	0.1817E-33	
	0.1898E+02	0.3191E-38	
	0.2156E+02	0.7021E-44	
	0.2414E+02	0.2769E-49	
	0.2672E+02	0.0000E+00	
	0.2930E+02	0.0000E+00	
	0.3188E+02	0.0000E+00	
	0.3446E+02	0.0000E+00	
	0.3704E+02	0.0000E+00	
	0.3962E+02	0.0000E+00	

Southern Expansion Area - SL2SLM.V.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	PROPERTIES OF THE MATRIX MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.8000E-04	0.100E+01	0.000E+00	0.9400E+00	0.1524E-02
2	1	0.1800E-01	0.3600E+00	0.000E+00	1.9100	0.9140E+00
3	15	0.6400E-01	0.4100E+00	0.000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.1000E+01	0.1416E+00
	0.1524E+02	0.8499E+00	
	0.3155E+00	0.6170E-01	
	0.3496E+01	0.5550E-04	
	0.6076E+01	0.3819E-09	
	0.8657E+01	0.1054E-13	
	0.1123E+02	0.4806E-16	
	0.1381E+02	0.5272E-19	
	0.1640E+02	0.1140E-22	
	0.1898E+02	0.3927E-27	
	0.2156E+02	0.4151E-31	
	0.2414E+02	0.4474E-34	
	0.2672E+02	0.1942E-37	
	0.2930E+02	0.2990E-41	
	0.3188E+02	0.1780E-45	
	0.3446E+02	0.4134E-49	
	0.3704E+02	0.0000E+00	
	0.3962E+02	0.0000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.1822E+00
	0.1524E+02	0.8759E+00	

0.9155E+00	0.1128E+00	
0.3496E+01	0.8681E-03	
0.6076E+01	0.2730E-06	
0.8657E+01	0.3287E-11	
0.1123E+02	0.5853E-14	
0.1381E+02	0.6925E-16	
0.1640E+02	0.3183E-18	
0.1898E+02	0.5130E-21	
0.2156E+02	0.2549E-24	
0.2414E+02	0.3849E-28	
0.2672E+02	0.3737E-31	
0.2930E+02	0.1489E-33	
0.3188E+02	0.3277E-36	
0.3446E+02	0.3685E-39	
0.3704E+02	0.2024E-42	
0.3962E+02	0.6795E-46	

0.3446E+02	0.7330E-31	
0.3704E+02	0.1101E-32	
0.3962E+02	0.1202E-34	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.2810E+00
	0.1524E+02	0.9056E+00	
	0.3155E+00	0.2286E+00	
	0.3496E+01	0.1564E-01	
	0.6076E+01	0.2327E-03	
	0.8657E+01	0.6844E-06	
	0.1123E+02	0.3811E-09	
	0.1381E+02	0.1191E-12	
	0.1640E+02	0.5843E-14	
	0.1898E+02	0.2769E-15	
	0.2156E+02	0.9277E-17	
	0.2414E+02	0.1509E-18	
	0.2672E+02	0.1615E-20	
	0.2930E+02	0.9686E-23	
	0.3188E+02	0.3102E-25	
	0.3446E+02	0.5640E-28	
	0.3704E+02	0.2664E-30	
	0.3962E+02	0.5765E-32	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.3103E+00
	0.1524E+02	0.9102E+00	
	0.3155E+00	0.2489E+00	
	0.3496E+01	0.2403E-01	
	0.6076E+01	0.6278E-03	
	0.8657E+01	0.4106E-05	
	0.1123E+02	0.6483E-08	
	0.1381E+02	0.2640E-11	
	0.1640E+02	0.2364E-13	
	0.1898E+02	0.1736E-14	
	0.2156E+02	0.8798E-16	
	0.2414E+02	0.2975E-17	
	0.2672E+02	0.6529E-19	
	0.2930E+02	0.9003E-21	
	0.3188E+02	0.7515E-23	
	0.3446E+02	0.3656E-25	
	0.3704E+02	0.1078E-27	
	0.3962E+02	0.5780E-30	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.3384E+00
	0.1524E+02	0.9139E+00	
	0.3155E+00	0.2717E+00	
	0.3496E+01	0.3352E-01	
	0.6076E+01	0.1332E-02	
	0.8657E+01	0.1589E-04	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.2178E+00
	0.1524E+02	0.8903E+00	
	0.3155E+00	0.1562E+00	
	0.3496E+01	0.3583E-02	
	0.6076E+01	0.7715E-05	
	0.8657E+01	0.1398E-08	
	0.1123E+02	0.8468E-13	
	0.1381E+02	0.2361E-14	
	0.1640E+02	0.4472E-16	
	0.1898E+02	0.4140E-18	
	0.2156E+02	0.1750E-20	
	0.2414E+02	0.3115E-23	
	0.2672E+02	0.2157E-26	
	0.2930E+02	0.1203E-29	
	0.3188E+02	0.8418E-32	
	0.3446E+02	0.6405E-34	
	0.3704E+02	0.3053E-36	
	0.3962E+02	0.8788E-39	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.2504E+00
	0.1524E+02	0.8993E+00	
	0.3155E+00	0.1924E+00	
	0.3496E+01	0.8579E-02	
	0.6076E+01	0.5895E-04	
	0.8657E+01	0.5670E-07	
	0.1123E+02	0.7607E-11	
	0.1381E+02	0.1962E-13	
	0.1640E+02	0.8363E-15	
	0.1898E+02	0.2089E-16	
	0.2156E+02	0.2917E-18	
	0.2414E+02	0.2166E-20	
	0.2672E+02	0.8060E-23	
	0.2930E+02	0.1413E-25	
	0.3188E+02	0.1380E-28	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.11238E+02	0.54947E-07		
0.13819E+02	0.54471E-10		
0.16400E+02	0.81504E-13		
0.18980E+02	0.68668E-14		
0.21561E+02	0.51236E-15		
0.24142E+02	0.27174E-16		
0.26722E+02	0.10031E-17		
0.29303E+02	0.25162E-19		
0.31884E+02	0.41712E-21		
0.34464E+02	0.44294E-23		
0.37045E+02	0.29233E-25		
0.39626E+02	0.12484E-27		
0.4500E+02	0.00000E+00	0.10000E+01	0.36576E+00
	0.15240E-02	0.91701E+00	
	0.91552E+00	0.29198E+00	
	0.34962E+01	0.43641E-01	
	0.60769E+01	0.24077E-02	
	0.86575E+01	0.45870E-04	
	0.11238E+02	0.29193E-06	
	0.13819E+02	0.61034E-09	
	0.16400E+02	0.56346E-12	
	0.18980E+02	0.20103E-13	
	0.21561E+02	0.20087E-14	
	0.24142E+02	0.15009E-15	
	0.26722E+02	0.82146E-17	
	0.29303E+02	0.32324E-18	
	0.31884E+02	0.89526E-20	
	0.34464E+02	0.17034E-21	
	0.37045E+02	0.21680E-23	
	0.39626E+02	0.18022E-25	
0.5000E+02	0.00000E+00	0.10000E+01	0.39233E+00
	0.15240E-02	0.91963E+00	
	0.91552E+00	0.31012E+00	
	0.34962E+01	0.54115E-01	
	0.60769E+01	0.38836E-02	
	0.86575E+01	0.10767E-03	
	0.11238E+02	0.11173E-05	
	0.13819E+02	0.42659E-08	
	0.16400E+02	0.62135E-11	
	0.18980E+02	0.50162E-13	
	0.21561E+02	0.59864E-14	
	0.24142E+02	0.58578E-15	
	0.26722E+02	0.43648E-16	
	0.29303E+02	0.14008E-17	
	0.31884E+02	0.10062E-18	
	0.34464E+02	0.30034E-20	
	0.37045E+02	0.63502E-22	
	0.39626E+02	0.92933E-24	
0.5500E+02	0.00000E+00	0.10000E+01	0.41825E+00
	0.15240E-02	0.92191E+00	
	0.91552E+00	0.32657E+00	
	0.34962E+01	0.64746E-01	
	0.60769E+01	0.57650E-02	
	0.86575E+01	0.21736E-03	
	0.11238E+02	0.13665E-05	
	0.13819E+02	0.21059E-07	
	0.16400E+02	0.53145E-10	
	0.18980E+02	0.14768E-12	
	0.21561E+02	0.14653E-13	
	0.24142E+02	0.17805E-14	
	0.26722E+02	0.17006E-15	
	0.29303E+02	0.12597E-16	
	0.31884E+02	0.71378E-18	
	0.34464E+02	0.10467E-19	
	0.37045E+02	0.96277E-21	
	0.39626E+02	0.22092E-22	
0.6000E+02	0.00000E+00	0.10000E+01	0.44362E+00
	0.15240E-02	0.92395E+00	
	0.91552E+00	0.34161E+00	
	0.34962E+01	0.75395E-01	
	0.60769E+01	0.90385E-02	
	0.86575E+01	0.19172E-03	
	0.11238E+02	0.34728E-05	
	0.13819E+02	0.80014E-07	
	0.16400E+02	0.32736E-09	
	0.18980E+02	0.74438E-12	
	0.21561E+02	0.31282E-13	
	0.24142E+02	0.44933E-14	
	0.26722E+02	0.52636E-15	
	0.29303E+02	0.49102E-16	
	0.31884E+02	0.16065E-17	
	0.34464E+02	0.20594E-18	
	0.37045E+02	0.90124E-20	
	0.39626E+02	0.29749E-21	
0.6500E+02	0.00000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.35968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.44672E-03	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.16406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.11845E-18	
0.7000E+02	0.00000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13819E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45065E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28826E-18	
	0.39626E+02	0.16499E-19	
0.7500E+02	0.00000E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.91552E+00	0.38031E+00	
	0.34962E+01	0.10665E+00	
	0.60769E+01	0.16932E-01	
	0.86575E+01	0.14525E-02	
	0.11238E+02	0.65577E-04	
	0.13819E+02	0.15342E-05	
	0.16400E+02	0.18429E-07	
	0.18980E+02	0.11353E-09	
	0.21561E+02	0.51197E-12	
	0.24142E+02	0.35075E-13	
	0.26722E+02	0.62840E-14	
	0.29303E+02	0.96209E-15	
	0.31884E+02	0.12303E-15	
	0.34464E+02	0.13039E-16	
	0.37045E+02	0.11352E-17	
	0.39626E+02	0.80415E-19	
0.8000E+02	0.00000E+00	0.10000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.91552E+00	0.39152E+00	
	0.34962E+01	0.11669E+00	
	0.60769E+01	0.20475E-01	
	0.86575E+01	0.20238E-02	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.16406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.11845E-18	
0.8500E+02	0.00000E+00	0.10000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.91552E+00	0.40206E+00	
	0.34962E+01	0.12651E+00	
	0.60769E+01	0.24250E-01	
	0.86575E+01	0.27164E-02	
	0.11238E+02	0.17348E-03	
	0.13819E+02	0.62236E-05	
	0.16400E+02	0.12428E-06	
	0.18980E+02	0.13741E-08	
	0.21561E+02	0.97073E-11	
	0.24142E+02	0.11845E-12	
	0.26722E+02	0.20247E-13	
	0.29303E+02	0.38835E-14	
	0.31884E+02	0.63996E-15	
	0.34464E+02	0.39837E-16	
	0.37045E+02	0.10672E-16	
	0.39626E+02	0.10650E-17	
0.9000E+02	0.00000E+00	0.10000E+01	0.58668E+00
	0.15240E-02	0.93298E+00	
	0.91552E+00	0.41200E+00	
	0.34962E+01	0.13609E+00	
	0.60769E+01	0.28227E-01	
	0.86575E+01	0.35342E-02	
	0.11238E+02	0.26082E-03	
	0.13819E+02	0.11182E-04	
	0.16400E+02	0.27600E-06	
	0.18980E+02	0.38998E-08	
	0.21561E+02	0.31867E-10	
	0.24142E+02	0.27899E-12	
	0.26722E+02	0.33253E-13	
	0.29303E+02	0.69459E-14	

0.31884E+02 0.12704E-14
 0.34464E+02 0.20015E-15
 0.37045E+02 0.27001E-16
 0.39626E+02 0.30989E-17

0.86575E+01 0.67451E-02
 0.11238E+02 0.70740E-03
 0.13319E+02 0.46764E-04
 0.16400E+02 0.19316E-05
 0.19390E+02 0.49566E-07
 0.21551E+02 0.78791E-09
 0.24142E+02 0.80687E-11
 0.26722E+02 0.15430E-12
 0.29303E+02 0.28727E-13
 0.31884E+02 0.67090E-14
 0.34464E+02 0.13929E-14
 0.37045E+02 0.25451E-15
 0.39626E+02 0.40734E-16

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.60929E+00
	0.15240E-02	0.93414E+00	
	0.91552E+00	0.42141E+00	
	0.34962E+01	0.14544E+00	
	0.60769E+01	0.32377E-01	
	0.86575E+01	0.44786E-02	
	0.11238E+02	0.37619E-03	
	0.13819E+02	0.18918E-04	
	0.16400E+02	0.56445E-06	
	0.18980E+02	0.99351E-08	
	0.21561E+02	0.10334E-09	
	0.24142E+02	0.81624E-12	
	0.26722E+02	0.53091E-13	
	0.29303E+02	0.11692E-13	
	0.31884E+02	0.23454E-14	
	0.34464E+02	0.40935E-15	
	0.37045E+02	0.61807E-16	
	0.39626E+02	0.80274E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.0000E+00	0.10000E+01	0.67543E+00
	0.15240E-02	0.93276E+00	
	0.91552E+00	0.44689E+00	
	0.34962E+01	0.17206E+00	
	0.60769E+01	0.45614E-01	
	0.86575E+01	0.90624E-02	
	0.11238E+02	0.93068E-03	
	0.13819E+02	0.69240E-04	
	0.16400E+02	0.32914E-05	
	0.18980E+02	0.99395E-07	
	0.21561E+02	0.19004E-08	
	0.24142E+02	0.23368E-10	
	0.26722E+02	0.32306E-12	
	0.29303E+02	0.42855E-13	
	0.31884E+02	0.10566E-13	
	0.34464E+02	0.23625E-14	
	0.37045E+02	0.46830E-15	
	0.39626E+02	0.81928E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.63161E+00
	0.15240E-02	0.93524E+00	
	0.91552E+00	0.43033E+00	
	0.34962E+01	0.15454E+00	
	0.60769E+01	0.36673E-01	
	0.86575E+01	0.55495E-02	
	0.11238E+02	0.52375E-03	
	0.13819E+02	0.30405E-04	
	0.16400E+02	0.10761E-05	
	0.18980E+02	0.23085E-07	
	0.21561E+02	0.29974E-09	
	0.24142E+02	0.25990E-11	
	0.26722E+02	0.86359E-13	
	0.29303E+02	0.18707E-13	
	0.31884E+02	0.40722E-14	
	0.34464E+02	0.77877E-15	
	0.37045E+02	0.13002E-15	
	0.39626E+02	0.18853E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.0000E+00	0.10000E+01	0.69696E+00
	0.15240E-02	0.93817E+00	
	0.91552E+00	0.45464E+00	
	0.34962E+01	0.18048E+00	
	0.60769E+01	0.50218E-01	
	0.86575E+01	0.94975E-02	
	0.11238E+02	0.11967E-02	
	0.13819E+02	0.99177E-04	
	0.16400E+02	0.53598E-05	
	0.18980E+02	0.18781E-06	
	0.21561E+02	0.42517E-08	
	0.24142E+02	0.62543E-10	
	0.26722E+02	0.78109E-12	
	0.29303E+02	0.63258E-13	
	0.31884E+02	0.16007E-13	
	0.34464E+02	0.38268E-14	
	0.37045E+02	0.81672E-15	
	0.39626E+02	0.15489E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.0000E+00	0.10000E+01	0.65365E+00
	0.15240E-02	0.93627E+00	
	0.91552E+00	0.43881E+00	
	0.34962E+01	0.16342E+00	
	0.60769E+01	0.41093E-01	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.0000E+00	0.10000E+01	0.71825E+00
	0.15240E-02	0.93908E+00	
	0.91552E+00	0.46200E+00	
	0.34962E+01	0.18869E+00	
	0.60769E+01	0.54890E-01	
	0.86575E+01	0.11046E-01	
	0.11238E+02	0.15083E-02	
	0.13819E+02	0.13799E-03	
	0.16400E+02	0.83882E-05	
	0.18980E+02	0.33687E-06	
	0.21561E+02	0.89043E-08	
	0.24142E+02	0.15513E-09	
	0.26722E+02	0.20172E-11	
	0.29303E+02	0.95789E-13	
	0.31884E+02	0.23464E-13	
	0.34464E+02	0.59547E-14	
	0.37045E+02	0.13594E-14	
	0.39626E+02	0.27746E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.13980E+02	0.70755E-06		
0.21561E+02	0.22765E-07		
0.24142E+02	0.49309E-09		
0.26722E+02	0.75078E-11		
0.29303E+02	0.19424E-12		
0.31884E+02	0.38381E-13		
0.34464E+02	0.10434E-13		
0.37045E+02	0.25925E-14		
0.39626E+02	0.58039E-15		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.0000E+00	0.10000E+01	0.73931E+00
	0.15240E-02	0.93993E+00	
	0.91552E+00	0.46907E+00	
	0.34962E+01	0.19668E+00	
	0.60769E+01	0.59614E-01	
	0.86575E+01	0.12703E-01	
	0.11238E+02	0.18677E-02	
	0.13819E+02	0.18715E-03	
	0.16400E+02	0.12677E-04	
	0.18980E+02	0.57714E-06	
	0.21561E+02	0.17894E-07	
	0.24142E+02	0.35892E-09	
	0.26722E+02	0.51935E-11	
	0.29303E+02	0.15539E-12	
	0.31884E+02	0.33485E-13	
	0.34464E+02	0.89454E-14	
	0.37045E+02	0.21718E-14	
	0.39626E+02	0.47407E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.0000E+00	0.10000E+01	0.76016E+00
	0.15240E-02	0.94075E+00	
	0.91552E+00	0.47586E+00	
	0.34962E+01	0.20447E+00	
	0.60769E+01	0.64378E-01	
	0.86575E+01	0.14462E-01	
	0.11238E+02	0.22767E-02	
	0.13819E+02	0.24814E-03	
	0.16400E+02	0.18573E-04	
	0.18980E+02	0.94944E-06	
	0.21561E+02	0.33018E-07	
	0.24142E+02	0.77992E-09	
	0.26722E+02	0.12865E-10	
	0.29303E+02	0.28140E-12	
	0.31884E+02	0.46507E-13	
	0.34464E+02	0.13028E-13	
	0.37045E+02	0.33466E-14	
	0.39626E+02	0.77698E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.0000E+00	0.10000E+01	0.74768E+00
	0.15240E-02	0.94026E+00	
	0.91552E+00	0.47182E+00	
	0.34962E+01	0.19982E+00	
	0.60769E+01	0.61515E-01	
	0.86575E+01	0.13394E-01	
	0.11238E+02	0.20252E-02	
	0.13819E+02	0.21005E-03	
	0.16400E+02	0.14821E-04	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1310E+03	0.0000E+00	0.10000E+01	0.76431E+00
	0.15240E-02	0.94091E+00	
	0.91552E+00	0.47719E+00	
	0.34962E+01	0.20600E+00	
	0.60769E+01	0.65334E-01	
	0.86575E+01	0.14826E-01	
	0.11238E+02	0.23646E-02	
	0.13819E+02	0.26189E-03	
	0.16400E+02	0.19980E-04	
	0.18980E+02	0.10442E-05	
	0.21561E+02	0.37236E-07	
	0.24142E+02	0.90457E-09	
	0.26722E+02	0.15332E-10	
	0.29303E+02	0.32140E-12	
	0.31884E+02	0.50116E-13	
	0.34464E+02	0.13999E-13	
	0.37045E+02	0.36345E-14	
	0.39626E+02	0.85377E-15	

0.16400E+02 0.11408E-22
 0.18980E+02 0.39275E-27
 0.21561E+02 0.41510E-31
 0.24142E+02 0.44749E-34
 0.26722E+02 0.19429E-37
 0.29303E+02 0.29930E-41
 0.31884E+02 0.17808E-45
 0.34464E+02 0.41342E-49
 0.37045E+02 0.00000E+00
 0.39626E+02 0.00000E+00

0.36575E+01 0.13987E-08
 0.11238E+02 0.84681E-13
 0.13619E+02 0.23614E-14
 0.16400E+02 0.44725E-16
 0.18980E+02 0.41403E-18
 0.21561E+02 0.17508E-20
 0.24142E+02 0.31158E-23
 0.26722E+02 0.21572E-26
 0.29303E+02 0.12034E-29
 0.31884E+02 0.84183E-32
 0.34464E+02 0.64056E-34
 0.37045E+02 0.30536E-36
 0.39626E+02 0.87883E-39

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.1500E+02 0.00000E+00 0.10000E+01 0.18226E+00
 0.15240E-02 0.87595E+00
 0.10308E+00 0.77337E+00
 0.20464E+00 0.67290E+00
 0.30619E+00 0.57605E+00
 0.40775E+00 0.48403E+00
 0.50930E+00 0.39772E+00
 0.61086E+00 0.31756E+00
 0.71241E+00 0.24363E+00
 0.81397E+00 0.17560E+00
 0.91552E+00 0.11285E+00
 0.34962E+01 0.86813E-03
 0.60769E+01 0.27305E-06
 0.86575E+01 0.32874E-11
 0.11238E+02 0.58534E-14
 0.13819E+02 0.69251E-16
 0.16400E+02 0.31839E-18
 0.18980E+02 0.51302E-21
 0.21561E+02 0.25496E-24
 0.24142E+02 0.38483E-28
 0.26722E+02 0.37371E-31
 0.29303E+02 0.14897E-33
 0.31884E+02 0.32774E-36
 0.34464E+02 0.36854E-39
 0.37045E+02 0.20243E-42
 0.39626E+02 0.67957E-46

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.2000E+02 0.00000E+00 0.10000E+01 0.21782E+00
 0.15240E-02 0.89033E+00
 0.10308E+00 0.79925E+00
 0.20464E+00 0.70893E+00
 0.30619E+00 0.62030E+00
 0.40775E+00 0.53418E+00
 0.50930E+00 0.45118E+00
 0.61086E+00 0.37176E+00
 0.71241E+00 0.29614E+00
 0.81397E+00 0.22435E+00
 0.91552E+00 0.15627E+00
 0.34962E+01 0.35835E-02
 0.60769E+01 0.77154E-05

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.3500E+02 0.00000E+00 0.10000E+01 0.31030E+00
 0.15240E-02 0.91026E+00
 0.10308E+00 0.83536E+00
 0.20464E+00 0.76005E+00
 0.30619E+00 0.68471E+00
 0.40775E+00 0.60987E+00
 0.50930E+00 0.53526E+00
 0.61086E+00 0.46176E+00
 0.71241E+00 0.38942E+00
 0.81397E+00 0.31844E+00
 0.91552E+00 0.24898E+00
 0.34962E+01 0.24037E-01
 0.60769E+01 0.62787E-03
 0.86575E+01 0.41069E-05
 0.11238E+02 0.64836E-08
 0.13819E+02 0.26404E-11
 0.16400E+02 0.23640E-13
 0.18980E+02 0.17365E-14
 0.21561E+02 0.87982E-16
 0.24142E+02 0.29750E-17
 0.26722E+02 0.65293E-19
 0.29303E+02 0.90036E-21
 0.31884E+02 0.75156E-23
 0.34464E+02 0.36568E-25
 0.37045E+02 0.10780E-27
 0.39626E+02 0.57806E-30

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.4000E+02 0.00000E+00 0.10000E+01 0.33847E+00
 0.15240E-02 0.91396E+00
 0.10308E+00 0.84209E+00
 0.20464E+00 0.76972E+00
 0.30619E+00 0.69713E+00
 0.40775E+00 0.62461E+00
 0.50930E+00 0.55244E+00

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.2500E+02 0.00000E+00 0.10000E+01 0.25041E+00
 0.15240E-02 0.89935E+00
 0.10308E+00 0.81556E+00
 0.20464E+00 0.73187E+00
 0.30619E+00 0.64894E+00
 0.40775E+00 0.56734E+00
 0.50930E+00 0.48754E+00
 0.61086E+00 0.40994E+00
 0.71241E+00 0.33479E+00
 0.81397E+00 0.26226E+00
 0.91552E+00 0.19241E+00
 0.34962E+01 0.85793E-02
 0.60769E+01 0.58955E-04
 0.86575E+01 0.56770E-07
 0.11238E+02 0.76073E-11
 0.13819E+02 0.19625E-13
 0.16400E+02 0.83639E-15
 0.18980E+02 0.20896E-16
 0.21561E+02 0.29176E-18
 0.24142E+02 0.21662E-20
 0.26722E+02 0.80608E-23
 0.29303E+02 0.14137E-25
 0.31884E+02 0.13809E-28
 0.34464E+02 0.73303E-31
 0.37045E+02 0.11014E-32
 0.39626E+02 0.12028E-34

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.3000E+02 0.00000E+00 0.10000E+01 0.20105E+00
 0.15240E-02 0.90560E+00
 0.10308E+00 0.82687E+00
 0.20464E+00 0.74794E+00
 0.30619E+00 0.66925E+00
 0.40775E+00 0.59124E+00
 0.50930E+00 0.51431E+00
 0.61086E+00 0.43877E+00
 0.71241E+00 0.36490E+00
 0.81397E+00 0.29288E+00

0.51036E+00 0.48086E+00
 0.71241E+00 0.41010E+00
 0.81397E+00 0.34035E+00
 0.91552E+00 0.27178E+00
 0.34962E+01 0.33522E-01
 0.60769E+01 0.13326E-02
 0.86575E+01 0.15896E-04
 0.11238E+02 0.54947E-07
 0.13819E+02 0.54471E-10
 0.16400E+02 0.81504E-13
 0.18980E+02 0.68668E-14
 0.21561E+02 0.51236E-15
 0.24142E+02 0.27174E-16
 0.26722E+02 0.10031E-17
 0.29303E+02 0.25162E-19
 0.31884E+02 0.41712E-21
 0.34464E+02 0.44294E-23
 0.37045E+02 0.29233E-25
 0.39626E+02 0.12484E-27

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.4500E+02 0.00000E+00 0.10000E+01 0.36576E+00
 0.15240E-02 0.91701E+00
 0.10308E+00 0.84768E+00
 0.20464E+00 0.77776E+00
 0.30619E+00 0.70751E+00
 0.40775E+00 0.63718E+00
 0.50930E+00 0.56701E+00
 0.61086E+00 0.49721E+00
 0.71241E+00 0.42798E+00
 0.81397E+00 0.35952E+00
 0.91552E+00 0.29198E+00
 0.34962E+01 0.43641E-01
 0.60769E+01 0.24077E-02
 0.86575E+01 0.45870E-04
 0.11238E+02 0.29193E-06
 0.13819E+02 0.61034E-09
 0.16400E+02 0.56346E-12
 0.18980E+02 0.20103E-13
 0.21561E+02 0.20087E-14
 0.24142E+02 0.15009E-15
 0.26722E+02 0.82146E-17
 0.29303E+02 0.32324E-18
 0.31884E+02 0.89526E-20
 0.34464E+02 0.17034E-21
 0.37045E+02 0.21680E-23
 0.39626E+02 0.18022E-25

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.5000E+02 0.00000E+00 0.10000E+01 0.39233E+00
 0.15240E-02 0.91963E+00
 0.10308E+00 0.85245E+00
 0.20464E+00 0.78465E+00

0.30619E+00	0.71645E+00
0.40775E+00	0.64805E+00
0.50930E+00	0.57968E+00
0.61086E+00	0.51152E+00
0.71241E+00	0.44376E+00
0.81397E+00	0.37658E+00
0.91552E+00	0.31012E+00
0.34962E+01	0.54115E-01
0.60769E+01	0.38836E-02
0.86575E+01	0.10767E-03
0.11238E+02	0.11173E-05
0.13819E+02	0.42659E-08
0.16400E+02	0.62135E-11
0.18980E+02	0.50162E-13
0.21561E+02	0.59864E-14
0.24142E+02	0.58578E-15
0.26722E+02	0.43648E-16
0.29303E+02	0.24400E-17
0.31884E+02	0.10062E-18
0.34464E+02	0.30034E-20
0.37045E+02	0.63502E-22
0.39626E+02	0.92933E-24

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.5500E+02	0.00000E+00	0.10000E+01	0.41825E+00
0.15240E-02	0.92191E+00		
0.10308E+00	0.85663E+00		
0.20464E+00	0.79070E+00		
0.30619E+00	0.72431E+00		
0.40775E+00	0.65765E+00		
0.50930E+00	0.59091E+00		
0.61086E+00	0.52426E+00		
0.71241E+00	0.45789E+00		
0.81397E+00	0.39194E+00		
0.91552E+00	0.32657E+00		
0.34962E+01	0.64746E-01		
0.60769E+01	0.57650E-02		
0.86575E+01	0.2136E-03		
0.11238E+02	0.33665E-05		
0.13819E+02	0.21059E-07		
0.16400E+02	0.53145E-10		
0.18980E+02	0.14768E-12		
0.21561E+02	0.14653E-13		
0.24142E+02	0.17805E-14		
0.26722E+02	0.17006E-15		
0.29303E+02	0.12597E-16		
0.31884E+02	0.71378E-18		
0.34464E+02	0.30467E-19		
0.37045E+02	0.96278E-21		
0.39626E+02	0.22092E-22		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.6000E+02	0.00000E+00	0.10000E+01	0.44362E+00
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INTO SOIL

0.7000E+02	0.00000E+00	0.10000E+01	0.49290E+00
0.15240E-02	0.92745E+00		
0.10308E+00	0.86677E+00		
0.20464E+00	0.80541E+00		
0.30619E+00	0.74349E+00		
0.40775E+00	0.68118E+00		
0.50930E+00	0.61859E+00		
0.61086E+00	0.55589E+00		
0.71241E+00	0.49319E+00		
0.81397E+00	0.43063E+00		
0.91552E+00	0.36833E+00		
0.34962E+01	0.96400E-01		
0.60769E+01	0.13655E-01		
0.86575E+01	0.9845E-03		
0.11238E+02	0.36451E-04		
0.13819E+02	0.65799E-06		
0.16400E+02	0.58063E-08		
0.18980E+02	0.25306E-10		
0.21561E+02	0.15159E-12		
0.24142E+02	0.19313E-13		
0.26722E+02	0.30948E-14		
0.29303E+02	0.41197E-15		
0.31884E+02	0.45065E-16		
0.34464E+02	0.40143E-17		
0.37045E+02	0.28826E-18		
0.39626E+02	0.16499E-19		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.7500E+02	0.00000E+00	0.10000E+01	0.51690E+00
0.15240E-02	0.92899E+00		
0.10308E+00	0.86959E+00		
0.20464E+00	0.80950E+00		
0.30619E+00	0.74884E+00		
0.40775E+00	0.68776E+00		
0.50930E+00	0.62637E+00		
0.61086E+00	0.56481E+00		
0.71241E+00	0.50339E+00		
0.81397E+00	0.44166E+00		
0.91552E+00	0.38031E+00		
0.34962E+01	0.10665E+00		
0.60769E+01	0.16932E-01		
0.86575E+01	0.14525E-02		
0.11238E+02	0.65577E-04		
0.13819E+02	0.15343E-05		
0.16400E+02	0.18429E-07		
0.18980E+02	0.11353E-09		
0.21561E+02	0.51197E-12		
0.24142E+02	0.35075E-13		
0.26722E+02	0.62840E-14		
0.29303E+02	0.96209E-15		
0.31884E+02	0.12303E-15		
0.34464E+02	0.13039E-16		
0.37045E+02	0.11352E-17		

0.15240E-02	0.92395E+00
0.10308E+00	0.86603E+00
0.20464E+00	0.79609E+00
0.30619E+00	0.73133E+00
0.40775E+00	0.66624E+00
0.50930E+00	0.60100E+00
0.61086E+00	0.53577E+00
0.71241E+00	0.47069E+00
0.81397E+00	0.40593E+00
0.91552E+00	0.34161E+00
0.14932E+01	0.75395E-01
0.60769E+01	0.80385E-02
0.86575E+01	0.39172E-03
0.11238E+02	0.84728E-05
0.13819E+02	0.80014E-07
0.16400E+02	0.32736E-09
0.18980E+02	0.74438E-12
0.21561E+02	0.31282E-13
0.24142E+02	0.44933E-14
0.26722E+02	0.52636E-15
0.29303E+02	0.49102E-16
0.31884E+02	0.36065E-17
0.34464E+02	0.20594E-18
0.37045E+02	0.90124E-20
0.39626E+02	0.29749E-21

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.6500E+02	0.00000E+00	0.10000E+01	0.46849E+00
0.15240E-02	0.92578E+00		
0.10308E+00	0.86371E+00		
0.20464E+00	0.80096E+00		
0.30619E+00	0.73769E+00		
0.40775E+00	0.67404E+00		
0.50930E+00	0.61018E+00		
0.61086E+00	0.54625E+00		
0.71241E+00	0.48240E+00		
0.81397E+00	0.41876E+00		
0.91552E+00	0.35548E+00		
0.34962E+01	0.85968E-01		
0.60769E+01	0.10679E-01		
0.86575E+01	0.64672E-03		
0.11238E+02	0.18561E-04		
0.13819E+02	0.24843E-06		
0.16400E+02	0.15366E-08		
0.18980E+02	0.46382E-11		
0.21561E+02	0.63728E-13		
0.24142E+02	0.98385E-14		
0.26722E+02	0.13668E-14		
0.29303E+02	0.15457E-15		
0.31884E+02	0.14088E-16		
0.34464E+02	0.10240E-17		
0.37045E+02	0.58653E-19		
0.39626E+02	0.26122E-20		

TIME DEPTH CONCENTRATION TOTAL FLUX

0.39626E+02 0.80415E-19

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.8000E+02	0.00000E+00	0.10000E+01	0.54051E+00
0.15240E-02	0.93041E+00		
0.10308E+00	0.87220E+00		
0.20464E+00	0.81329E+00		
0.30619E+00	0.75380E+00		
0.40775E+00	0.69386E+00		
0.50930E+00	0.63359E+00		
0.61086E+00	0.57311E+00		
0.71241E+00	0.51252E+00		
0.81397E+00	0.45196E+00		
0.91552E+00	0.39152E+00		
0.34962E+01	0.11669E+00		
0.60769E+01	0.20475E-01		
0.86575E+01	0.20238E-02		
0.11238E+02	0.10985E-03		
0.13819E+02	0.32251E-05		
0.16400E+02	0.50745E-07		
0.18980E+02	0.42609E-09		
0.21561E+02	0.21330E-11		
0.24142E+02	0.62017E-13		
0.26722E+02	0.11686E-13		
0.29303E+02	0.20193E-14		
0.31884E+02	0.23564E-15		
0.34464E+02	0.36406E-16		
0.37045E+02	0.37423E-17		
0.39626E+02	0.31845E-18		

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.8500E+02	0.00000E+00	0.10000E+01	0.56376E+00
0.15240E-02	0.93174E+00		
0.10308E+00	0.87463E+00		
0.20464E+00	0.81682E+00		
0.30619E+00	0.75843E+00		
0.40775E+00	0.69956E+00		
0.50930E+00	0.64034E+00		
0.61086E+00	0.58087E+00		
0.71241E+00	0.52126E+00		
0.81397E+00	0.46163E+00		
0.91552E+00	0.40206E+00		
0.34962E+01	0.12651E+00		
0.60769E+01	0.24250E-01		
0.86575E+01	0.27164E-02		
0.11238E+02	0.17348E-03		
0.13819E+02	0.62236E-05		
0.16400E+02	0.12428E-06		
0.18980E+02	0.13741E-08		
0.21561E+02	0.87073E-11		
0.24142E+02	0.11845E-12		
0.26722E+02	0.20247E-13		
0.29303E+02	0.38835E-14		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.31884E+02	0.63996E-15		
0.34464E+02	0.89837E-16		
0.37045E+02	0.10672E-16		
0.39626E+02	0.10650E-17		
0.9000E+02	0.00000E+00	0.10000E+01	0.58666E+00
0.15240E-02	0.93298E+00		
0.10308E+00	0.87690E+00		
0.20464E+00	0.82012E+00		
0.30619E+00	0.76275E+00		
0.40775E+00	0.70490E+00		
0.50930E+00	0.64667E+00		
0.61086E+00	0.58816E+00		
0.71241E+00	0.52948E+00		
0.81397E+00	0.47073E+00		
0.91552E+00	0.41200E+00		
0.34962E+01	0.13609E+00		
0.60769E+01	0.28227E-01		
0.86575E+01	0.35342E-02		
0.11238E+02	0.26082E-03		
0.13819E+02	0.11182E-04		
0.16400E+02	0.27600E-06		
0.18980E+02	0.38998E-08		
0.21561E+02	0.31867E-10		
0.24142E+02	0.27899E-12		
0.26722E+02	0.33253E-13		
0.29303E+02	0.69459E-14		
0.31884E+02	0.12704E-14		
0.34464E+02	0.20015E-15		
0.37045E+02	0.27001E-16		
0.39626E+02	0.30989E-17		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.60929E+00
0.15240E-02	0.93214E+00		
0.10308E+00	0.87903E+00		
0.20464E+00	0.82322E+00		
0.30619E+00	0.76682E+00		
0.40775E+00	0.70993E+00		
0.50930E+00	0.65263E+00		
0.61086E+00	0.59503E+00		
0.71241E+00	0.53723E+00		
0.81397E+00	0.47933E+00		
0.91552E+00	0.42141E+00		
0.34962E+01	0.14544E+00		
0.60769E+01	0.32377E-01		
0.86575E+01	0.44786E-02		
0.11238E+02	0.37619E-03		
0.13819E+02	0.18918E-04		
0.16400E+02	0.56445E-06		
0.18980E+02	0.59351E-08		
0.21561E+02	0.10334E-09		

0.16400E+02	0.19316E-05		
0.18980E+02	0.49565E-07		
0.21561E+02	0.78719E-09		
0.24142E+02	0.80687E-11		
0.26722E+02	0.15430E-12		
0.29303E+02	0.28727E-13		
0.31884E+02	0.67090E-14		
0.34464E+02	0.13929E-14		
0.37045E+02	0.25451E-15		
0.39626E+02	0.40734E-16		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.67543E+00
0.15240E-02	0.93726E+00		
0.10308E+00	0.88475E+00		
0.20464E+00	0.83155E+00		
0.30619E+00	0.77775E+00		
0.40775E+00	0.72342E+00		
0.50930E+00	0.66866E+00		
0.61086E+00	0.61355E+00		
0.71241E+00	0.55816E+00		
0.81397E+00	0.50258E+00		
0.91552E+00	0.44689E+00		
0.34962E+01	0.17206E+00		
0.60769E+01	0.45614E-01		
0.86575E+01	0.80624E-02		
0.11238E+02	0.93068E-03		
0.13819E+02	0.69240E-04		
0.16400E+02	0.32914E-05		
0.18980E+02	0.99395E-07		
0.21561E+02	0.19004E-08		
0.24142E+02	0.23368E-10		
0.26722E+02	0.32306E-12		
0.29303E+02	0.42855E-13		
0.31884E+02	0.10566E-13		
0.34464E+02	0.23625E-14		
0.37045E+02	0.46830E-15		
0.39626E+02	0.81928E-16		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.69696E+00
0.15240E-02	0.93819E+00		
0.10308E+00	0.88646E+00		
0.20464E+00	0.83405E+00		
0.30619E+00	0.78103E+00		
0.40775E+00	0.72748E+00		
0.50930E+00	0.67349E+00		
0.61086E+00	0.61913E+00		
0.71241E+00	0.56447E+00		
0.81397E+00	0.50961E+00		
0.91552E+00	0.45461E+00		
0.34962E+01	0.18048E+00		
0.60769E+01	0.50218E-01		

0.24142E+02	0.81624E-12		
0.26722E+02	0.53091E-13		
0.29303E+02	0.11692E-13		
0.31884E+02	0.23454E-14		
0.34464E+02	0.40935E-15		
0.37045E+02	0.61807E-16		
0.39626E+02	0.80274E-17		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.63161E+00
0.15240E-02	0.93524E+00		
0.10308E+00	0.88104E+00		
0.20464E+00	0.82615E+00		
0.30619E+00	0.77066E+00		
0.40775E+00	0.71467E+00		
0.50930E+00	0.65826E+00		
0.61086E+00	0.60153E+00		
0.71241E+00	0.54457E+00		
0.81397E+00	0.48747E+00		
0.91552E+00	0.43033E+00		
0.34962E+01	0.15454E+00		
0.60769E+01	0.36673E-01		
0.86575E+01	0.55495E-02		
0.11238E+02	0.52375E-03		
0.13819E+02	0.30405E-04		
0.16400E+02	0.10761E-05		
0.18980E+02	0.23095E-07		
0.21561E+02	0.29974E-09		
0.24142E+02	0.25990E-11		
0.26722E+02	0.86359E-13		
0.29303E+02	0.18707E-13		
0.31884E+02	0.40722E-14		
0.34464E+02	0.77877E-15		
0.37045E+02	0.13002E-15		
0.39626E+02	0.18853E-16		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.65365E+00
0.15240E-02	0.93627E+00		
0.10308E+00	0.88294E+00		
0.20464E+00	0.82892E+00		
0.30619E+00	0.77430E+00		
0.40775E+00	0.71916E+00		
0.50930E+00	0.66360E+00		
0.61086E+00	0.60769E+00		
0.71241E+00	0.55153E+00		
0.81397E+00	0.49521E+00		
0.91552E+00	0.43881E+00		
0.34962E+01	0.16342E+00		
0.60769E+01	0.41093E-01		
0.86575E+01	0.67451E-02		
0.11238E+02	0.70740E-03		
0.13819E+02	0.46764E-04		

0.86575E+01	0.94975E-02		
0.11238E+02	0.11967E-02		
0.13819E+02	0.99177E-04		
0.16400E+02	0.53598E-05		
0.18980E+02	0.18781E-06		
0.21561E+02	0.42517E-08		
0.24142E+02	0.62543E-10		
0.26722E+02	0.78109E-12		
0.29303E+02	0.63325E-13		
0.31884E+02	0.16007E-13		
0.34464E+02	0.38268E-14		
0.37045E+02	0.81672E-15		
0.39626E+02	0.15489E-15		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.71825E+00
0.15240E-02	0.93908E+00		
0.10308E+00	0.88809E+00		
0.20464E+00	0.83643E+00		
0.30619E+00	0.78415E+00		
0.40775E+00	0.73135E+00		
0.50930E+00	0.67809E+00		
0.61086E+00	0.62445E+00		
0.71241E+00	0.57051E+00		
0.81397E+00	0.51633E+00		
0.91552E+00	0.46200E+00		
0.34962E+01	0.18869E+00		
0.60769E+01	0.54890E-01		
0.86575E+01	0.11046E-01		
0.11238E+02	0.15083E-02		
0.13819E+02	0.13799E-03		
0.16400E+02	0.83882E-05		
0.18980E+02	0.33687E-06		
0.21561E+02	0.89043E-08		
0.24142E+02	0.15513E-09		
0.26722E+02	0.20172E-11		
0.29303E+02	0.95789E-13		
0.31884E+02	0.23464E-13		
0.34464E+02	0.59547E-14		
0.37045E+02	0.13594E-14		
0.39626E+02	0.27746E-15		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.73931E+00
0.15240E-02	0.93993E+00		
0.10308E+00	0.88965E+00		
0.20464E+00	0.83870E+00		
0.30619E+00	0.78714E+00		
0.40775E+00	0.73505E+00		
0.50930E+00	0.68249E+00		
0.61086E+00	0.62955E+00		
0.71241E+00	0.57628E+00		
0.81397E+00	0.52276E+00		

0.91552E+00 0.46907E+00
 0.34962E+01 0.19668E+00
 0.60769E+01 0.59614E-01
 0.86575E+01 0.12703E-01
 0.11238E+02 0.18677E-02
 0.13819E+02 0.18715E-03
 0.16400E+02 0.12677E-04
 0.18980E+02 0.57714E-05
 0.21561E+02 0.17594E-07
 0.24142E+02 0.35892E-09
 0.26722E+02 0.51935E-11
 0.29303E+02 0.15539E-12
 0.31884E+02 0.33485E-13
 0.34464E+02 0.89454E-14
 0.37045E+02 0.21718E-14
 0.39626E+02 0.47407E-15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.00000E+00	0.10000E+01	0.74768E+00
	0.15240E-02	0.94026E+00	
	0.10308E+00	0.89026E+00	
	0.20464E+00	0.83958E+00	
	0.30619E+00	0.78830E+00	
	0.40775E+00	0.73648E+00	
	0.50930E+00	0.68420E+00	
	0.61086E+00	0.63152E+00	
	0.71241E+00	0.57852E+00	
	0.81397E+00	0.52526E+00	
	0.91552E+00	0.47182E+00	
	0.34962E+01	0.19982E+00	
	0.60769E+01	0.61515E-01	
	0.86575E+01	0.13394E-01	
	0.11238E+02	0.20252E-02	
	0.13819E+02	0.21005E-03	
	0.16400E+02	0.14821E-04	
	0.18980E+02	0.70755E-06	
	0.21561E+02	0.22765E-07	
	0.24142E+02	0.49309E-09	
	0.26722E+02	0.75078E-11	
	0.29303E+02	0.19424E-12	
	0.31884E+02	0.38381E-13	
	0.34464E+02	0.10434E-13	
	0.37045E+02	0.25925E-14	
	0.39626E+02	0.58039E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1300E+03	0.00000E+00	0.10000E+01	0.76016E+00
	0.15240E-02	0.94075E+00	
	0.10308E+00	0.89115E+00	
	0.20464E+00	0.84088E+00	
	0.30619E+00	0.79000E+00	
	0.40775E+00	0.73859E+00	
	0.50930E+00	0.68671E+00	

0.11636E+00 0.63443E+00
 0.11211E+00 0.58181E+00
 0.11337E+00 0.52893E+00
 0.11532E+00 0.47586E+00
 0.11992E+01 0.20447E+00
 0.12759E+01 0.64378E-01
 0.15555E+01 0.14462E-01
 0.11238E+02 0.22767E-02
 0.13219E+02 0.24814E-03
 0.16400E+02 0.18573E-04
 0.19303E+02 0.94944E-06
 0.21551E+02 0.33018E-07
 0.24142E+02 0.77992E-09
 0.26722E+02 0.12865E-10
 0.29303E+02 0.26140E-12
 0.31884E+02 0.46907E-13
 0.34464E+02 0.13028E-13
 0.37045E+02 0.33465E-14
 0.39626E+02 0.77698E-15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1310E+03	0.00000E+00	0.10000E+01	0.76431E+00
	0.15210E-02	0.94091E+00	
	0.10308E+00	0.89144E+00	
	0.20464E+00	0.84130E+00	
	0.30619E+00	0.79056E+00	
	0.40775E+00	0.73928E+00	
	0.50930E+00	0.68753E+00	
	0.61086E+00	0.63538E+00	
	0.71241E+00	0.58289E+00	
	0.81397E+00	0.53014E+00	
	0.91552E+00	0.47719E+00	
	0.24952E+01	0.20600E+00	
	0.60769E+01	0.65334E-01	
	0.86575E+01	0.14826E-01	
	0.11238E+02	0.23646E-02	
	0.13819E+02	0.26189E-03	
	0.16400E+02	0.19980E-04	
	0.18980E+02	0.10442E-05	
	0.21551E+02	0.37236E-07	
	0.24142E+02	0.90457E-09	
	0.26722E+02	0.15332E-10	
	0.29303E+02	0.32140E-12	
	0.31884E+02	0.50116E-13	
	0.34464E+02	0.13999E-13	
	0.37045E+02	0.36345E-14	
	0.39626E+02	0.85377E-15	

NOTICE

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    .....
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    *
    * POLLUTE SIMULATION *
    *
    * ANALYSIS COMPLETED *
    *
    * TIME - 10:30: 4 *
    * EXECUTION TIME 0: 1 *
    *
    *
    .....
    
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Southern Expansion Area - SLDHMM.IN
 0.00107 Va Darcy Velocity
 3 NOLAY :No. of Layers
 H 8e-05 1 0 0.94 0.001524 1
 0.016 0.36 0 1.91 0.914 3
 0.00315 0.41 0 1.69 38.709999 15
 2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 1 CO - Initial Source Conc.
 N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?
 N Limited number of depths for results
 20 HDTIME:No. of times of interest
 5 10 15 20 25
 30 35 40 45 50
 55 60 65 70 75
 80 85 90 95 100
 105 110 115 120 125
 127 130 131

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.31884E+02	0.00000E+00		
0.34464E+02	0.00000E+00		
0.37045E+02	0.00000E+00		
0.39626E+02	0.00000E+00		
0.4000E+02	0.00000E+00	0.10000E+01	0.31637E+00
	0.15240E-02	0.94109E+00	
	0.30619E+00	0.79672E+00	
	0.61086E+00	0.66786E+00	
	0.91552E+00	0.56793E+00	
	0.34962E+01	0.92280E-08	
	0.60769E+01	0.26992E-15	
	0.86575E+01	0.82311E-23	
	0.11238E+02	0.45255E-31	
	0.13819E+02	0.15699E-38	
	0.16400E+02	0.69062E-47	
	0.18980E+02	0.00000E+00	
	0.21561E+02	0.00000E+00	
	0.24142E+02	0.00000E+00	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.33622E+00
	0.15240E-02	0.94706E+00	
	0.30619E+00	0.81689E+00	
	0.61086E+00	0.69920E+00	
	0.91552E+00	0.60539E+00	
	0.34962E+01	0.70418E-07	
	0.60769E+01	0.14798E-14	
	0.86575E+01	0.43753E-21	
	0.11238E+02	0.16832E-29	
	0.13819E+02	0.58222E-36	
	0.16400E+02	0.33142E-44	
	0.18980E+02	0.00000E+00	
	0.21561E+02	0.00000E+00	
	0.24142E+02	0.00000E+00	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.35466E+00

0.16400E+02	0.62834E-37		
0.18980E+02	0.42931E-44		
0.21561E+02	0.00000E+00		
0.24142E+02	0.00000E+00		
0.26722E+02	0.00000E+00		
0.29303E+02	0.00000E+00		
0.31884E+02	0.00000E+00		
0.34464E+02	0.00000E+00		
0.37045E+02	0.00000E+00		
0.39626E+02	0.00000E+00		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.40350E+00
	0.15240E-02	0.96297E+00	
	0.30619E+00	0.87105E+00	
	0.61086E+00	0.78469E+00	
	0.91552E+00	0.71036E+00	
	0.34962E+01	0.10907E-04	
	0.60769E+01	0.92432E-13	
	0.86575E+01	0.53897E-17	
	0.11238E+02	0.20556E-23	
	0.13819E+02	0.69057E-30	
	0.16400E+02	0.29808E-35	
	0.18980E+02	0.53828E-42	
	0.21561E+02	0.88097E-48	
	0.24142E+02	0.00000E+00	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.41812E+00
	0.15240E-02	0.96566E+00	
	0.30619E+00	0.88026E+00	
	0.61086E+00	0.79946E+00	
	0.91552E+00	0.72894E+00	
	0.34962E+01	0.24701E-04	
	0.60769E+01	0.17876E-12	
	0.86575E+01	0.23399E-16	
	0.11238E+02	0.32596E-22	
	0.13819E+02	0.62083E-29	
	0.16400E+02	0.77586E-34	
	0.18980E+02	0.52231E-40	
	0.21561E+02	0.44087E-46	
	0.24142E+02	0.00000E+00	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	

0.15240E-02	0.95205E+00		
0.30619E+00	0.83382E+00		
0.61086E+00	0.72570E+00		
0.91552E+00	0.63748E+00		
0.34962E+01	0.36009E-06		
0.60769E+01	0.57199E-14		
0.86575E+01	0.98727E-20		
0.11238E+02	0.39925E-28		
0.13819E+02	0.59870E-34		
0.16400E+02	0.21597E-41		
0.18980E+02	0.30949E-48		
0.21561E+02	0.00000E+00		
0.24142E+02	0.00000E+00		
0.26722E+02	0.00000E+00		
0.29303E+02	0.00000E+00		
0.31884E+02	0.00000E+00		
0.34464E+02	0.00000E+00		
0.37045E+02	0.00000E+00		
0.39626E+02	0.00000E+00		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.37191E+00
	0.15240E-02	0.95627E+00	
	0.30619E+00	0.84817E+00	
	0.61086E+00	0.74832E+00	
	0.91552E+00	0.66519E+00	
	0.34962E+01	0.13749E-05	
	0.60769E+01	0.17187E-13	
	0.86575E+01	0.12143E-18	
	0.11238E+02	0.17520E-26	
	0.13819E+02	0.24867E-32	
	0.16400E+02	0.60751E-39	
	0.18980E+02	0.45985E-46	
	0.21561E+02	0.00000E+00	
	0.24142E+02	0.00000E+00	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.38814E+00
	0.15240E-02	0.95987E+00	
	0.30619E+00	0.86045E+00	
	0.61086E+00	0.76780E+00	
	0.91552E+00	0.68928E+00	
	0.34962E+01	0.42148E-05	
	0.60769E+01	0.42815E-13	
	0.86575E+01	0.95708E-18	
	0.11238E+02	0.78628E-25	
	0.13819E+02	0.53187E-31	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.43208E+00
	0.15240E-02	0.96801E+00	
	0.30619E+00	0.88833E+00	
	0.61086E+00	0.81244E+00	
	0.91552E+00	0.74540E+00	
	0.34962E+01	0.50262E-04	
	0.60769E+01	0.31991E-12	
	0.86575E+01	0.82710E-16	
	0.11238E+02	0.34596E-21	
	0.13819E+02	0.47258E-28	
	0.16400E+02	0.12616E-32	
	0.18980E+02	0.27998E-38	
	0.21561E+02	0.14678E-44	
	0.24142E+02	0.14619E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.44546E+00
	0.15240E-02	0.97008E+00	
	0.30619E+00	0.89543E+00	
	0.61086E+00	0.82393E+00	
	0.91552E+00	0.76006E+00	
	0.34962E+01	0.93744E-04	
	0.60769E+01	0.55981E-12	
	0.86575E+01	0.24783E-15	
	0.11238E+02	0.26627E-20	
	0.13819E+02	0.45112E-27	
	0.16400E+02	0.14092E-31	
	0.18980E+02	0.87547E-37	
	0.21561E+02	0.52873E-43	
	0.24142E+02	0.63734E-48	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.45834E+00
	0.15240E-02	0.97191E+00	
	0.30619E+00	0.90173E+00	
	0.61086E+00	0.83415E+00	

0.91552E+00	0.77319E+00
0.34962E+01	0.16271E-03
0.60769E+01	0.10741E-11
0.86575E+01	0.64891E-15
0.11238E+02	0.15797E-19
0.13819E+02	0.58921E-26
0.16400E+02	0.11610E-30
0.18980E+02	0.17553E-35
0.21561E+02	0.22529E-41
0.24142E+02	0.17239E-46
0.26722E+02	0.00000E+00
0.29303E+02	0.00000E+00
0.31884E+02	0.00000E+00
0.34464E+02	0.00000E+00
0.37045E+02	0.00000E+00
0.39626E+02	0.00000E+00

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.47078E+00
	0.15240E-02	0.97354E+00	
	0.30619E+00	0.90734E+00	
	0.61086E+00	0.84329E+00	
	0.91552E+00	0.78500E+00	
	0.34962E+01	0.26594E-03	
	0.60769E+01	0.25972E-11	
	0.86575E+01	0.15198E-14	
	0.11238E+02	0.75692E-19	
	0.13819E+02	0.73112E-25	
	0.16400E+02	0.74506E-30	
	0.18980E+02	0.24431E-34	
	0.21561E+02	0.77319E-40	
	0.24142E+02	0.32450E-45	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.48281E+00
	0.15240E-02	0.97499E+00	
	0.30619E+00	0.91237E+00	
	0.61086E+00	0.85150E+00	
	0.91552E+00	0.79568E+00	
	0.34962E+01	0.41318E-03	
	0.60769E+01	0.78349E-11	
	0.86575E+01	0.32426E-14	
	0.11238E+02	0.30372E-18	
	0.13819E+02	0.72380E-24	
	0.16400E+02	0.38955E-29	
	0.18980E+02	0.25129E-33	
	0.21561E+02	0.18556E-38	

INTO SOIL

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.97855E+00	
	0.30619E+00	0.92470E+00	
	0.61086E+00	0.87178E+00	
	0.91552E+00	0.82227E+00	
	0.34962E+01	0.12239E-02	
	0.60769E+01	0.23221E-09	
	0.86575E+01	0.20515E-13	
	0.11238E+02	0.87522E-17	
	0.13819E+02	0.18748E-21	
	0.16400E+02	0.11745E-27	
	0.18980E+02	0.69396E-31	
	0.21561E+02	0.39476E-35	
	0.24142E+02	0.32158E-40	
	0.26722E+02	0.61056E-45	
	0.29303E+02	0.49812E-49	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1150E+03	0.00000E+00	0.10000E+01	0.52769E+00
	0.15240E-02	0.97953E+00	
	0.30619E+00	0.92808E+00	
	0.61086E+00	0.87738E+00	
	0.91552E+00	0.82969E+00	
	0.34962E+01	0.16525E-02	
	0.60769E+01	0.62304E-09	
	0.86575E+01	0.33961E-13	
	0.11238E+02	0.21813E-16	
	0.13819E+02	0.84113E-21	
	0.16400E+02	0.17086E-26	
	0.18980E+02	0.31829E-30	
	0.21561E+02	0.31189E-34	
	0.24142E+02	0.48109E-39	
	0.26722E+02	0.57836E-44	
	0.29303E+02	0.71060E-48	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1200E+03	0.00000E+00	0.10000E+01	0.53824E+00
	0.15240E-02	0.98042E+00	
	0.30619E+00	0.93118E+00	
	0.61086E+00	0.88252E+00	
	0.91552E+00	0.83651E+00	
	0.34962E+01	0.21770E-02	
	0.60769E+01	0.15474E-08	

0.24142E+02	0.51023E-44
0.26722E+02	0.22234E-48
0.29303E+02	0.00000E+00
0.31884E+02	0.00000E+00
0.34464E+02	0.00000E+00
0.37045E+02	0.00000E+00
0.39626E+02	0.00000E+00

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.00000E+00	0.10000E+01	0.49449E+00
	0.15240E-02	0.97630E+00	
	0.30619E+00	0.91689E+00	
	0.61086E+00	0.85992E+00	
	0.91552E+00	0.80537E+00	
	0.34962E+01	0.61481E-03	
	0.60769E+01	0.25442E-10	
	0.86575E+01	0.63939E-14	
	0.11238E+02	0.10501E-17	
	0.13819E+02	0.56498E-23	
	0.16400E+02	0.17401E-28	
	0.18980E+02	0.20063E-32	
	0.21561E+02	0.31662E-37	
	0.24142E+02	0.87906E-43	
	0.26722E+02	0.41020E-47	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.50584E+00
	0.15240E-02	0.97748E+00	
	0.30619E+00	0.92089E+00	
	0.61086E+00	0.86565E+00	
	0.91552E+00	0.81420E+00	
	0.34962E+01	0.88150E-03	
	0.60769E+01	0.79782E-10	
	0.86575E+01	0.11789E-13	
	0.11238E+02	0.31997E-17	
	0.13819E+02	0.35673E-22	
	0.16400E+02	0.71875E-28	
	0.18980E+02	0.12929E-31	
	0.21561E+02	0.40150E-36	
	0.24142E+02	0.17456E-41	
	0.26722E+02	0.56243E-46	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.53320E-13
	0.15240E-02	0.50144E-16	
	0.30619E+00	0.32906E-20	
	0.61086E+00	0.10561E-25	
	0.91552E+00	0.12743E-29	
	0.21561E+02	0.20400E-33	
	0.24142E+02	0.57179E-38	
	0.26722E+02	0.55683E-43	
	0.29303E+02	0.79585E-47	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.54857E+00
	0.15240E-02	0.98124E+00	
	0.30619E+00	0.93403E+00	
	0.61086E+00	0.88725E+00	
	0.91552E+00	0.84282E+00	
	0.34962E+01	0.28067E-02	
	0.60769E+01	0.35822E-08	
	0.86575E+01	0.82096E-13	
	0.11238E+02	0.10742E-15	
	0.13819E+02	0.11427E-19	
	0.16400E+02	0.64418E-25	
	0.18980E+02	0.45351E-29	
	0.21561E+02	0.11321E-32	
	0.24142E+02	0.54839E-37	
	0.26722E+02	0.60628E-42	
	0.29303E+02	0.72391E-46	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.00000E+00	0.10000E+01	0.55264E+00
	0.15240E-02	0.98155E+00	
	0.30619E+00	0.93510E+00	
	0.61086E+00	0.88903E+00	
	0.91552E+00	0.84521E+00	
	0.34962E+01	0.30898E-02	
	0.60769E+01	0.49217E-08	
	0.86575E+01	0.36266E-13	
	0.11238E+02	0.14312E-15	
	0.13819E+02	0.18246E-19	
	0.16400E+02	0.12948E-24	
	0.18980E+02	0.73201E-29	
	0.21561E+02	0.21561E-32	
	0.24142E+02	0.12823E-36	
	0.26722E+02	0.16119E-41	
	0.29303E+02	0.16641E-45	

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

INTO SOIL

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.90941E-01
	0.15240E-02	0.79120E+00	
	0.30619E+00	0.34281E+00	
	0.61086E+00	0.99015E-01	
	0.91552E+00	0.84008E-02	
	0.34962E+01	0.80738E-05	
	0.60769E+01	0.20701E-09	
	0.86575E+01	0.11632E-13	
	0.11238E+02	0.13645E-15	
	0.13819E+02	0.58374E-18	
	0.16400E+02	0.80428E-21	
	0.18980E+02	0.10910E-24	
	0.21561E+02	0.30871E-28	
	0.24142E+02	0.17268E-31	
	0.26722E+02	0.48706E-34	
	0.29303E+02	0.70848E-37	
	0.31884E+02	0.48709E-40	
	0.34464E+02	0.15149E-43	
	0.37045E+02	0.35820E-47	
	0.39626E+02	0.00000E+00	
0.1000E+02	0.0000E+00	0.10000E+01	0.14169E+00
	0.15240E-02	0.84972E+00	
	0.30619E+00	0.49799E+00	
	0.61086E+00	0.22839E+00	
	0.91552E+00	0.42688E-01	
	0.34962E+01	0.10452E-02	
	0.60769E+01	0.43740E-05	
	0.86575E+01	0.29453E-08	
	0.11238E+02	0.39157E-12	
	0.13819E+02	0.56553E-14	
	0.16400E+02	0.23913E-15	
	0.18980E+02	0.61029E-17	
	0.21561E+02	0.90459E-19	
	0.24142E+02	0.74444E-21	
	0.26722E+02	0.32257E-23	
	0.29303E+02	0.69692E-26	
	0.31884E+02	0.85808E-29	
	0.34464E+02	0.45597E-31	
	0.37045E+02	0.78912E-33	
	0.39626E+02	0.10455E-34	
0.2000E+02	0.0000E+00	0.10000E+01	0.21846E+00
	0.15240E-02	0.88794E+00	
	0.30619E+00	0.61004E+00	
	0.61086E+00	0.34786E+00	
	0.91552E+00	0.10859E+00	
	0.34962E+01	0.14164E-01	
	0.60769E+01	0.78968E-03	
	0.86575E+01	0.18086E-04	
	0.11238E+02	0.16637E-06	
	0.13819E+02	0.60700E-09	
	0.16400E+02	0.98255E-12	
	0.18980E+02	0.19095E-13	
	0.21561E+02	0.24038E-14	
	0.24142E+02	0.24382E-15	
	0.26722E+02	0.19197E-16	
	0.29303E+02	0.11579E-17	
	0.31884E+02	0.52722E-19	
	0.34464E+02	0.17818E-20	
	0.37045E+02	0.43862E-22	
	0.39626E+02	0.77056E-24	
0.2500E+02	0.0000E+00	0.10000E+01	0.25189E+00
	0.15240E-02	0.89543E+00	
	0.30619E+00	0.63363E+00	
	0.61086E+00	0.37755E+00	
	0.91552E+00	0.13378E+00	
	0.34962E+01	0.24675E-01	
	0.60769E+01	0.23289E-02	
0.3000E+02	0.0000E+00	0.10000E+01	0.29373E+00
	0.15240E-02	0.90034E+00	
	0.30619E+00	0.64935E+00	
	0.61086E+00	0.39902E+00	
	0.91552E+00	0.15511E+00	
	0.34962E+01	0.36153E-01	
	0.60769E+01	0.48599E-02	
	0.86575E+01	0.36547E-03	
	0.11238E+02	0.15104E-04	
	0.13819E+02	0.33925E-06	
	0.16400E+02	0.41119E-08	
	0.18980E+02	0.27014E-10	
	0.21561E+02	0.16257E-12	
	0.24142E+02	0.15362E-13	
	0.26722E+02	0.28423E-14	
	0.29303E+02	0.45295E-15	
	0.31884E+02	0.61094E-16	
	0.34464E+02	0.69262E-17	
	0.37045E+02	0.65500E-18	
	0.39626E+02	0.51234E-19	
0.3500E+02	0.0000E+00	0.10000E+01	0.31449E+00
	0.15240E-02	0.90384E+00	
	0.30619E+00	0.66084E+00	
	0.61086E+00	0.41571E+00	
	0.91552E+00	0.17353E+00	
	0.34962E+01	0.47891E-01	
	0.60769E+01	0.83007E-02	
	0.86575E+01	0.87882E-03	
	0.11238E+02	0.55905E-04	
	0.13819E+02	0.21148E-05	
	0.16400E+02	0.47249E-07	
	0.18980E+02	0.62104E-09	
	0.21561E+02	0.49563E-11	
	0.24142E+02	0.71151E-13	
	0.26722E+02	0.11867E-13	
	0.29303E+02	0.24567E-14	
0.4000E+02	0.0000E+00	0.10000E+01	0.34446E+00
	0.15240E-02	0.90654E+00	
	0.30619E+00	0.66985E+00	
	0.61086E+00	0.42942E+00	
	0.91552E+00	0.18975E+00	
	0.34962E+01	0.59508E-01	
	0.60769E+01	0.12492E-01	
	0.86575E+01	0.17108E-02	
	0.11238E+02	0.15051E-03	
	0.13819E+02	0.84239E-05	
	0.16400E+02	0.29797E-06	
	0.18980E+02	0.66320E-08	
	0.21561E+02	0.92918E-10	
	0.24142E+02	0.92942E-12	
	0.26722E+02	0.38905E-13	
	0.29303E+02	0.87496E-14	
	0.31884E+02	0.19665E-14	
	0.34464E+02	0.39216E-15	
	0.37045E+02	0.68988E-16	
	0.39626E+02	0.10657E-16	
0.4500E+02	0.0000E+00	0.10000E+01	0.37380E+00
	0.15240E-02	0.90874E+00	
	0.30619E+00	0.67732E+00	
	0.61086E+00	0.44116E+00	
	0.91552E+00	0.20427E+00	
	0.34962E+01	0.70814E-01	
	0.60769E+01	0.17263E-01	
	0.86575E+01	0.28898E-02	
	0.11238E+02	0.32735E-03	
	0.13819E+02	0.24859E-04	
	0.16400E+02	0.12576E-05	
	0.18980E+02	0.42201E-07	
	0.21561E+02	0.93696E-09	
	0.24142E+02	0.13949E-10	
	0.26722E+02	0.21184E-12	
	0.29303E+02	0.24327E-13	
	0.31884E+02	0.62497E-14	
	0.34464E+02	0.14953E-14	
	0.37045E+02	0.32120E-15	
	0.39626E+02	0.61689E-16	
0.5000E+02	0.0000E+00	0.10000E+01	0.40261E+00
	0.15240E-02	0.87482E+00	
	0.30619E+00	0.57082E+00	
	0.61086E+00	0.30296E+00	
	0.91552E+00	0.78402E-01	
	0.34962E+01	0.57979E-02	
	0.60769E+01	0.13552E-03	
	0.86575E+01	0.95342E-06	
	0.11238E+02	0.19668E-08	
	0.13819E+02	0.12893E-11	
	0.16400E+02	0.14724E-13	
	0.18980E+02	0.12948E-14	
	0.21561E+02	0.83280E-16	
	0.24142E+02	0.37948E-17	
	0.26722E+02	0.11988E-18	
	0.29303E+02	0.25619E-20	
	0.31884E+02	0.35996E-22	
	0.34464E+02	0.32234E-24	
	0.37045E+02	0.17983E-26	
	0.39626E+02	0.74113E-29	

0.15240E-02	0.91062E+00
0.30619E+00	0.68375E+00
0.61086E+00	0.45148E+00
0.91552E+00	0.21744E+00
0.34962E+01	0.81724E-01
0.60769E+01	0.22464E-01
0.86575E+01	0.44170E-02
0.11238E+02	0.61268E-03
0.13819E+02	0.59410E-04
0.16400E+02	0.40030E-05
0.18980E+02	0.18663E-06
0.21561E+02	0.60032E-08
0.24142E+02	0.13329E-09
0.26722E+02	0.21771E-11
0.29303E+02	0.73090E-13
0.31884E+02	0.15927E-13
0.34464E+02	0.42632E-14
0.37045E+02	0.10967E-14
0.39626E+02	0.24993E-15

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.43096E+00
	0.15240E-02	0.91227E+00	
	0.30619E+00	0.68944E+00	
	0.61086E+00	0.46074E+00	
	0.91552E+00	0.22951E+00	
	0.34962E+01	0.92209E-01	
	0.60769E+01	0.27970E-01	
	0.86575E+01	0.62752E-02	
	0.11238E+02	0.10275E-02	
	0.13819E+02	0.12172E-03	
	0.16400E+02	0.10371E-04	
	0.18980E+02	0.63297E-06	
	0.21561E+02	0.27589E-07	
	0.24142E+02	0.85749E-09	
	0.26722E+02	0.13202E-10	
	0.29303E+02	0.39709E-12	
	0.31884E+02	0.37063E-13	
	0.34464E+02	0.10516E-13	
	0.37045E+02	0.29946E-14	
	0.39626E+02	0.78338E-15	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.45891E+00
	0.15240E-02	0.91375E+00	
	0.30619E+00	0.69456E+00	
	0.61086E+00	0.46918E+00	
	0.91552E+00	0.24066E+00	
	0.34962E+01	0.10227E+00	
	0.60769E+01	0.33685E-01	
	0.86575E+01	0.84366E-02	
	0.11238E+02	0.15865E-02	
	0.13819E+02	0.22211E-03	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.54067E+00
	0.15240E-02	0.91749E+00	
	0.30619E+00	0.70757E+00	
	0.61086E+00	0.49090E+00	
	0.91552E+00	0.26992E+00	
	0.34962E+01	0.13007E+00	
	0.60769E+01	0.51415E-01	
	0.86575E+01	0.16416E-01	
	0.11238E+02	0.41875E-02	
	0.13819E+02	0.84690E-03	
	0.16400E+02	0.13507E-03	
	0.18980E+02	0.16921E-04	
	0.21561E+02	0.16605E-05	
	0.24142E+02	0.12738E-06	
	0.26722E+02	0.76268E-08	
	0.29303E+02	0.35643E-09	
	0.31884E+02	0.13192E-10	
	0.34464E+02	0.47639E-12	
	0.37045E+02	0.52147E-13	
	0.39626E+02	0.16688E-13	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.56731E+00
	0.15240E-02	0.91856E+00	
	0.30619E+00	0.71133E+00	
	0.61086E+00	0.49723E+00	
	0.91552E+00	0.27857E+00	
	0.34962E+01	0.13862E+00	
	0.60769E+01	0.57374E-01	
	0.86575E+01	0.19468E-01	
	0.11238E+02	0.53600E-02	
	0.13819E+02	0.11885E-02	
	0.16400E+02	0.21114E-03	
	0.18980E+02	0.29935E-04	
	0.21561E+02	0.33779E-05	
	0.24142E+02	0.30273E-06	
	0.26722E+02	0.21516E-07	
	0.29303E+02	0.12117E-08	
	0.31884E+02	0.54302E-10	
	0.34464E+02	0.20656E-11	
	0.37045E+02	0.12313E-12	
	0.39626E+02	0.29160E-13	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.59369E+00
	0.15240E-02	0.91957E+00	
	0.30619E+00	0.71487E+00	
	0.61086E+00	0.50321E+00	

0.14669E-02	0.23017E-04
0.15963E-02	0.17584E-05
0.21561E-02	0.98752E-07
0.24142E-02	0.40686E-08
0.26722E-02	0.12312E-09
0.29303E-02	0.28793E-11
0.31884E-02	0.10741E-12
0.34464E-02	0.22347E-13
0.37045E-02	0.69263E-14
0.39626E-02	0.20287E-14

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.49649E+00
	0.15240E-02	0.91510E+00	
	0.30619E+00	0.69923E+00	
	0.61086E+00	0.47695E+00	
	0.91552E+00	0.25105E+00	
	0.34962E+01	0.11192E+00	
	0.60769E+01	0.39533E-01	
	0.86575E+01	0.10869E-01	
	0.11238E+02	0.22981E-02	
	0.13819E+02	0.37061E-03	
	0.16400E+02	0.45329E-04	
	0.18980E+02	0.41883E-05	
	0.21561E+02	0.29150E-06	
	0.24142E+02	0.15251E-07	
	0.26722E+02	0.59933E-09	
	0.29303E+02	0.17891E-10	
	0.31884E+02	0.49767E-12	
	0.34464E+02	0.47081E-13	
	0.37045E+02	0.14164E-13	
	0.39626E+02	0.45412E-14	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.51373E+00
	0.15240E-02	0.91634E+00	
	0.30619E+00	0.70355E+00	
	0.61086E+00	0.48416E+00	
	0.91552E+00	0.26077E+00	
	0.34962E+01	0.12118E+00	
	0.60769E+01	0.45457E-01	
	0.86575E+01	0.13540E-01	
	0.11238E+02	0.31655E-02	
	0.13819E+02	0.57620E-03	
	0.16400E+02	0.81254E-04	
	0.18980E+02	0.88373E-05	
	0.21561E+02	0.73935E-06	
	0.24142E+02	0.47481E-07	
	0.26722E+02	0.23376E-08	
	0.29303E+02	0.88429E-10	
	0.31884E+02	0.27098E-11	
	0.34464E+02	0.12530E-12	
	0.37045E+02	0.26876E-13	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.91552E+00	0.28677E+00		
0.34962E+01	0.14685E+00		
0.60769E+01	0.63308E-01		
0.86575E+01	0.22670E-01		
0.11238E+02	0.66766E-02		
0.13819E+02	0.16057E-02		
0.16400E+02	0.31373E-03		
0.18980E+02	0.49614E-04		
0.21561E+02	0.63328E-05		
0.24142E+02	0.65109E-06		
0.26722E+02	0.53835E-07		
0.29303E+02	0.35761E-08		
0.31884E+02	0.19103E-09		
0.34464E+02	0.83806E-11		
0.37045E+02	0.38499E-12		
0.39626E+02	0.52280E-13		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.61981E+00
	0.15240E-02	0.92052E+00	
	0.30619E+00	0.71821E+00	
	0.61086E+00	0.50888E+00	
	0.91552E+00	0.29457E+00	
	0.34962E+01	0.15478E+00	
	0.60769E+01	0.69202E-01	
	0.86575E+01	0.25997E-01	
	0.11238E+02	0.81293E-02	
	0.13819E+02	0.21015E-02	
	0.16400E+02	0.44686E-03	
	0.18980E+02	0.77870E-04	
	0.21561E+02	0.11090E-04	
	0.24142E+02	0.12883E-05	
	0.26722E+02	0.12186E-06	
	0.29303E+02	0.93766E-08	
	0.31884E+02	0.58675E-09	
	0.34464E+02	0.30078E-10	
	0.37045E+02	0.13786E-11	
	0.39626E+02	0.10857E-12	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.64569E+00
	0.15240E-02	0.92143E+00	
	0.30619E+00	0.72138E+00	
	0.61086E+00	0.51427E+00	
	0.91552E+00	0.30200E+00	
	0.34962E+01	0.16243E+00	
	0.60769E+01	0.75040E-01	
	0.86575E+01	0.29428E-01	
	0.11238E+02	0.97096E-02	
	0.13819E+02	0.26776E-02	
	0.16400E+02	0.6144E-03	
	0.18980E+02	0.11673E-03	
	0.21561E+02	0.18338E-04	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.24142E+02	0.23760E-05		
0.26722E+02	0.25352E-06		
0.29303E+02	0.22250E-07		
0.31884E+02	0.16052E-08		
0.34464E+02	0.44311E-10		
0.37045E+02	0.48286E-11		
0.39626E+02	0.28215E-12		
0.1000E+03	0.00000E+00	0.10000E+01	0.67134E+00
0.15240E-02	0.92229E+00		
0.30619E+00	0.72440E+00		
0.61086E+00	0.51940E+00		
0.91552E+00	0.30912E+00		
0.34962E+01	0.16982E+00		
0.60769E+01	0.80812E-01		
0.86575E+01	0.32944E-01		
0.11238E+02	0.11408E-01		
0.13819E+02	0.33345E-02		
0.16400E+02	0.81875E-03		
0.18980E+02	0.16828E-03		
0.21561E+02	0.28874E-04		
0.24142E+02	0.41276E-05		
0.26722E+02	0.49084E-06		
0.29303E+02	0.48496E-07		
0.31884E+02	0.39778E-08		
0.34464E+02	0.27104E-09		
0.37045E+02	0.15536E-10		
0.39626E+02	0.84977E-12		
0.1050E+03	0.00000E+00	0.10000E+01	0.69677E+00
0.15240E-02	0.92311E+00		
0.30619E+00	0.72728E+00		
0.61086E+00	0.52431E+00		
0.91552E+00	0.31593E+00		
0.34962E+01	0.17696E+00		
0.60769E+01	0.86513E-01		
0.86575E+01	0.36531E-01		
0.11238E+02	0.13216E-01		
0.13819E+02	0.40719E-02		
0.16400E+02	0.10634E-02		
0.18980E+02	0.23458E-03		
0.21561E+02	0.43595E-04		
0.24142E+02	0.69119E-05		
0.26722E+02	0.89351E-06		
0.29303E+02	0.98269E-07		
0.31884E+02	0.90539E-08		
0.34464E+02	0.69873E-09		
0.37045E+02	0.45396E-10		
0.39626E+02	0.26144E-11		
0.1200E+03	0.00000E+00	0.10000E+01	0.77185E+00
0.15240E-02	0.92537E+00		
0.30619E+00	0.73521E+00		
0.61086E+00	0.53786E+00		
0.91552E+00	0.33482E+00		
0.34962E+01	0.19707E+00		
0.60769E+01	0.10314E+00		
0.86575E+01	0.47575E-01		
0.11238E+02	0.19209E-01		
0.13819E+02	0.67514E-02		
0.16400E+02	0.20571E-02		
0.18980E+02	0.54154E-03		
0.21561E+02	0.12287E-03		
0.24142E+02	0.23980E-04		
0.26722E+02	0.40196E-05		
0.29303E+02	0.57797E-06		
0.31884E+02	0.71222E-07		
0.34464E+02	0.75165E-08		
0.37045E+02	0.67938E-09		
0.39626E+02	0.52821E-10		
0.1250E+03	0.00000E+00	0.10000E+01	0.79630E+00
0.15240E-02	0.92606E+00		
0.30619E+00	0.73765E+00		
0.61086E+00	0.54204E+00		
0.91552E+00	0.34067E+00		
0.34962E+01	0.20339E+00		
0.60769E+01	0.10851E+00		
0.86575E+01	0.51317E-01		
0.11238E+02	0.21368E-01		
0.13819E+02	0.77929E-02		
0.16400E+02	0.24792E-02		
0.18980E+02	0.68578E-03		
0.21561E+02	0.16454E-03		
0.24142E+02	0.34175E-04		
0.26722E+02	0.61355E-05		
0.29303E+02	0.95098E-06		
0.31884E+02	0.12713E-06		
0.34464E+02	0.14648E-07		
0.37045E+02	0.14542E-08		
0.39626E+02	0.12464E-09		
0.1270E+03	0.00000E+00	0.10000E+01	0.80631E+00
0.15240E-02	0.92633E+00		
0.30619E+00	0.73860E+00		
0.61086E+00	0.54367E+00		
0.91552E+00	0.34295E+00		
0.34962E+01	0.20585E+00		
0.60769E+01	0.11064E+00		
0.86575E+01	0.52818E-01		
0.11238E+02	0.22251E-01		
0.13819E+02	0.82291E-02		
0.16400E+02	0.26610E-02		
0.18980E+02	0.74999E-03		
0.21561E+02	0.18378E-03		
0.24142E+02	0.39081E-04		
0.26722E+02	0.72008E-05		
0.29303E+02	0.11482E-05		
0.1100E+03	0.00000E+00	0.10000E+01	0.72199E+00
0.15240E-02	0.92390E+00		
0.30619E+00	0.73004E+00		
0.61086E+00	0.52901E+00		
0.91552E+00	0.32247E+00		
0.34962E+01	0.18388E+00		
0.60769E+01	0.92136E-01		
0.86575E+01	0.40172E-01		
0.11238E+02	0.15125E-01		
0.13819E+02	0.48885E-02		
0.16400E+02	0.13502E-02		
0.18980E+02	0.31763E-03		
0.21561E+02	0.63474E-04		
0.24142E+02	0.10753E-04		
0.26722E+02	0.15421E-05		
0.29303E+02	0.18696E-06		
0.31884E+02	0.19146E-07		
0.34464E+02	0.16554E-08		
0.37045E+02	0.12109E-09		
0.39626E+02	0.76578E-11		
0.1150E+03	0.00000E+00	0.10000E+01	0.74701E+00
0.15240E-02	0.92465E+00		
0.30619E+00	0.73268E+00		
0.61086E+00	0.53353E+00		
0.91552E+00	0.32876E+00		
0.34962E+01	0.19058E+00		
0.60769E+01	0.97678E-01		
0.86575E+01	0.43857E-01		
0.11238E+02	0.17125E-01		
0.13819E+02	0.57824E-02		
0.16400E+02	0.16910E-02		
0.18980E+02	0.41936E-03		
0.21561E+02	0.89543E-04		
0.24142E+02	0.16332E-04		
0.26722E+02	0.25408E-05		
0.29303E+02	0.33671E-06		
0.31884E+02	0.37978E-07		
0.34464E+02	0.36434E-08		
0.37045E+02	0.29748E-09		
0.39626E+02	0.20674E-10		
0.1200E+03	0.00000E+00	0.10000E+01	0.77185E+00
0.15240E-02	0.92537E+00		
0.30619E+00	0.73521E+00		
0.61086E+00	0.53786E+00		
0.91552E+00	0.33482E+00		
0.34962E+01	0.19707E+00		
0.60769E+01	0.10314E+00		
0.86575E+01	0.15829E-06		
0.11238E+02	0.18854E-07		
0.13819E+02	0.19395E-08		
0.16400E+02	0.17255E-09		
0.18980E+02	0.15829E-06		
0.21561E+02	0.92673E+00		
0.30619E+00	0.74000E+00		
0.61086E+00	0.54607E+00		
0.91552E+00	0.34632E+00		
0.34962E+01	0.20950E+00		
0.60769E+01	0.11380E+00		
0.86575E+01	0.55074E-01		
0.11238E+02	0.23595E-01		
0.13819E+02	0.89039E-02		
0.16400E+02	0.29478E-02		
0.18980E+02	0.85355E-03		
0.21561E+02	0.21563E-03		
0.24142E+02	0.47436E-04		
0.26722E+02	0.90733E-05		
0.29303E+02	0.15072E-05		
0.31884E+02	0.21722E-06		
0.34464E+02	0.27141E-07		
0.37045E+02	0.29389E-08		
0.39626E+02	0.27599E-09		
0.1300E+03	0.00000E+00	0.10000E+01	0.82097E+00
0.15240E-02	0.92686E+00		
0.30619E+00	0.74046E+00		
0.61086E+00	0.54696E+00		
0.91552E+00	0.34743E+00		
0.34962E+01	0.21071E+00		
0.60769E+01	0.11485E+00		
0.86575E+01	0.55827E-01		
0.11238E+02	0.24048E-01		
0.13819E+02	0.91342E-02		
0.16400E+02	0.30472E-02		
0.18980E+02	0.89004E-03		
0.21561E+02	0.22707E-03		
0.24142E+02	0.50503E-04		
0.26722E+02	0.97776E-05		
0.29303E+02	0.16459E-05		
0.31884E+02	0.24062E-06		
0.34464E+02	0.30535E-07		
0.37045E+02	0.33616E-08		
0.39626E+02	0.32126E-09		
0.1310E+03	0.00000E+00	0.10000E+01	0.82584E+00
0.15240E-02	0.92686E+00		
0.30619E+00	0.74046E+00		
0.61086E+00	0.54696E+00		
0.91552E+00	0.34743E+00		
0.34962E+01	0.21071E+00		
0.60769E+01	0.11485E+00		
0.86575E+01	0.55827E-01		
0.11238E+02	0.24048E-01		
0.13819E+02	0.91342E-02		
0.16400E+02	0.30472E-02		
0.18980E+02	0.89004E-03		
0.21561E+02	0.22707E-03		
0.24142E+02	0.50503E-04		
0.26722E+02	0.97776E-05		
0.29303E+02	0.16459E-05		
0.31884E+02	0.24062E-06		
0.34464E+02	0.30535E-07		
0.37045E+02	0.33616E-08		
0.39626E+02	0.32126E-09		

INTO SOIL

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.13216E+00
	0.15240E-02	0.87660E+00	
	0.30619E+00	0.57906E+00	
	0.61086E+00	0.32598E+00	
	0.91552E+00	0.13272E+00	
	0.34962E+01	0.10361E-02	
	0.60769E+01	0.33073E-06	
	0.86575E+01	0.40410E-11	
	0.11238E+02	0.72973E-14	
	0.13819E+02	0.87624E-16	
	0.16400E+02	0.40889E-19	
	0.18980E+02	0.56866E-21	
	0.21561E+02	0.33727E-24	
	0.24142E+02	0.51661E-28	
	0.26722E+02	0.50880E-31	
	0.29303E+02	0.20584E-33	
	0.31884E+02	0.45963E-36	
	0.34464E+02	0.52457E-39	
	0.37045E+02	0.29244E-42	
	0.39626E+02	0.99614E-46	
0.2000E+02	0.0000E+00	0.1000E+01	0.21744E+00
	0.15240E-02	0.89177E+00	
	0.30619E+00	0.62622E+00	
	0.61086E+00	0.38555E+00	
	0.91552E+00	0.18376E+00	
	0.34962E+01	0.42767E-02	
	0.60769E+01	0.93448E-05	
	0.86575E+01	0.17193E-08	
	0.11238E+02	0.10553E-12	
	0.13819E+02	0.29864E-14	
	0.16400E+02	0.57415E-16	
	0.18980E+02	0.53945E-18	
	0.21561E+02	0.23153E-20	
	0.24142E+02	0.41819E-23	
	0.26722E+02	0.29385E-26	
	0.29303E+02	0.16625E-29	
	0.31884E+02	0.11798E-31	
	0.34464E+02	0.91116E-34	
	0.37045E+02	0.44086E-36	
	0.39626E+02	0.12878E-38	
0.2500E+02	0.0000E+00	0.1000E+01	0.24956E+00
	0.15240E-02	0.90162E+00	
	0.30619E+00	0.65778E+00	
	0.61086E+00	0.42861E+00	
	0.91552E+00	0.22619E+00	
	0.34962E+01	0.10238E-01	
	0.60769E+01	0.71401E-04	
	0.31884E+02	0.10535E-22	
	0.34464E+02	0.52026E-25	
	0.37045E+02	0.15562E-27	
	0.39626E+02	0.84551E-30	
0.4000E+02	0.0000E+00	0.1000E+01	0.33501E+00
	0.15240E-02	0.91822E+00	
	0.30619E+00	0.71279E+00	
	0.61086E+00	0.51036E+00	
	0.91552E+00	0.31872E+00	
	0.34962E+01	0.39981E-01	
	0.60769E+01	0.16136E-02	
	0.86575E+01	0.19534E-04	
	0.11238E+02	0.68529E-07	
	0.13819E+02	0.68942E-10	
	0.16400E+02	0.10429E-12	
	0.18980E+02	0.89199E-14	
	0.21561E+02	0.67595E-15	
	0.24142E+02	0.36401E-16	
	0.26722E+02	0.13642E-17	
	0.29303E+02	0.34735E-19	
	0.31884E+02	0.58447E-21	
	0.34464E+02	0.62995E-23	
	0.37045E+02	0.42198E-25	
	0.39626E+02	0.18285E-27	
0.4500E+02	0.0000E+00	0.1000E+01	0.36114E+00
	0.15240E-02	0.92176E+00	
	0.30619E+00	0.72480E+00	
	0.61086E+00	0.52926E+00	
	0.91552E+00	0.34201E+00	
	0.34962E+01	0.52029E-01	
	0.60769E+01	0.29149E-02	
	0.86575E+01	0.56364E-04	
	0.11238E+02	0.36406E-06	
	0.13819E+02	0.77247E-09	
	0.16400E+02	0.72251E-12	
	0.18980E+02	0.26078E-13	
	0.21561E+02	0.26472E-14	
	0.24142E+02	0.20089E-15	
	0.26722E+02	0.11164E-16	
	0.29303E+02	0.44597E-18	
	0.31884E+02	0.12538E-19	
	0.34464E+02	0.24216E-21	
	0.37045E+02	0.31283E-23	
	0.39626E+02	0.26394E-25	
0.5000E+02	0.0000E+00	0.1000E+01	0.38641E+00
	0.15240E-02	0.92974E+00	
	0.30619E+00	0.75219E+00	
	0.61086E+00	0.57344E+00	
	0.91552E+00	0.39451E+00	
	0.34962E+01	0.89721E-01	
	0.60769E+01	0.97244E-02	
	0.86575E+01	0.48116E-03	
	0.11238E+02	0.10564E-04	
	0.13819E+02	0.10125E-06	
0.36575E+01	0.69778E-07		
0.11238E+02	0.94887E-11		
0.13819E+02	0.24801E-13		
0.16400E+02	0.10731E-14		
0.19000E+02	0.27214E-16		
0.21561E+02	0.38568E-18		
0.24142E+02	0.29063E-20		
0.26722E+02	0.10977E-22		
0.29303E+02	0.19538E-25		
0.31884E+02	0.19363E-28		
0.34464E+02	0.10420E-30		
0.37045E+02	6.15889E-32		
0.39626E+02	0.17613E-34		
0.3000E+02	0.00306E+00	0.1000E+01	0.27951E+00
	0.15240E-02	0.90863E+00	
	0.30619E+00	0.68071E+00	
	0.61086E+00	0.46166E+00	
	0.91552E+00	0.26183E+00	
	0.34962E+01	0.18572E-01	
	0.60769E+01	0.28186E-03	
	0.86575E+01	0.84123E-06	
	0.11238E+02	0.47540E-09	
	0.13819E+02	0.15049E-12	
	0.16400E+02	0.74911E-14	
	0.18980E+02	0.36041E-15	
	0.21561E+02	0.10937E-16	
	0.24142E+02	0.20249E-18	
	0.26722E+02	0.21990E-20	
	0.29303E+02	0.13382E-22	
	0.31884E+02	0.43508E-25	
	0.34464E+02	0.80255E-28	
	0.37045E+02	0.38422E-30	
	0.39626E+02	0.84353E-32	
0.3500E+02	0.0000E+00	0.1000E+01	0.30788E+00
	0.15240E-02	0.91396E+00	
	0.30619E+00	0.69844E+00	
	0.61086E+00	0.48824E+00	
	0.91552E+00	0.29228E+00	
	0.34962E+01	0.28676E-01	
	0.60769E+01	0.76032E-03	
	0.86575E+01	0.50473E-05	
	0.11238E+02	0.80868E-08	
	0.13819E+02	0.33410E-11	
	0.16400E+02	0.30270E-13	
	0.18980E+02	0.22583E-14	
	0.21561E+02	0.11617E-15	
	0.24142E+02	0.39878E-17	
	0.26722E+02	0.88841E-19	
	0.29303E+02	0.12435E-20	
0.15240E-02	0.92478E+00		
0.30619E+00	0.73512E+00		
0.61086E+00	0.54574E+00		
0.91552E+00	0.36278E+00		
0.34962E+01	0.64484E-01		
0.60769E+01	0.47007E-02		
0.86575E+01	0.13229E-03		
0.11238E+02	0.13933E-05		
0.13819E+02	0.53987E-08		
0.16400E+02	0.79775E-11		
0.18980E+02	0.64992E-13		
0.21561E+02	0.78792E-14		
0.24142E+02	0.78322E-15		
0.26722E+02	0.59248E-16		
0.29303E+02	0.33641E-17		
0.31884E+02	0.14085E-18		
0.34464E+02	0.42676E-20		
0.37045E+02	0.91590E-22		
0.39626E+02	0.13606E-23		
0.5500E+02	0.0000E+00	0.1000E+01	0.41096E+00
	0.15240E-02	0.92341E+00	
	0.30619E+00	0.74416E+00	
	0.61086E+00	0.56034E+00	
	0.91552E+00	0.38150E+00	
	0.34962E+01	0.77104E-01	
	0.60769E+01	0.69763E-02	
	0.86575E+01	0.26703E-03	
	0.11238E+02	0.41976E-05	
	0.13819E+02	0.26650E-07	
	0.16400E+02	0.68248E-10	
	0.18980E+02	0.19149E-12	
	0.21561E+02	0.19258E-13	
	0.24142E+02	0.23778E-14	
	0.26722E+02	0.23070E-15	
	0.29303E+02	0.17153E-16	
	0.31884E+02	0.99843E-18	
	0.34464E+02	0.43267E-19	
	0.37045E+02	0.13879E-20	
	0.39626E+02	0.32329E-22	
0.6000E+02	0.0000E+00	0.1000E+01	0.43486E+00
	0.15240E-02	0.92974E+00	
	0.30619E+00	0.75219E+00	
	0.61086E+00	0.57344E+00	
	0.91552E+00	0.39451E+00	
	0.34962E+01	0.89721E-01	
	0.60769E+01	0.97244E-02	
	0.86575E+01	0.48116E-03	
	0.11238E+02	0.10564E-04	
	0.13819E+02	0.10125E-06	

0.16400E+02	0.42038E-09		
0.18980E+02	0.96795E-12		
0.21561E+02	0.41053E-13		
0.24142E+02	0.59926E-14		
0.26722E+02	0.71323E-15		
0.29303E+02	0.67581E-16		
0.31884E+02	0.50408E-17		
0.34464E+02	0.29226E-18		
0.37045E+02	0.12985E-19		
0.39626E+02	0.43511E-21		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.45819E+00
	0.15240E-02	0.93189E+00	
	0.30619E+00	0.79941E+00	
	0.61086E+00	0.58530E+00	
	0.91552E+00	0.41409E+00	
	0.34962E+01	0.10222E+00	
	0.60769E+01	0.12914E-01	
	0.86575E+01	0.79423E-03	
	0.11238E+02	0.23139E-04	
	0.13819E+02	0.31433E-06	
	0.16400E+02	0.19731E-08	
	0.18980E+02	0.60403E-11	
	0.21561E+02	0.83553E-13	
	0.24142E+02	0.13102E-13	
	0.26722E+02	0.18498E-14	
	0.29303E+02	0.21251E-15	
	0.31884E+02	0.19674E-16	
	0.34464E+02	0.14522E-17	
	0.37045E+02	0.84452E-19	
	0.39626E+02	0.38185E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.48100E+00
	0.15240E-02	0.93272E+00	
	0.30619E+00	0.76596E+00	
	0.61086E+00	0.59613E+00	
	0.91552E+00	0.42844E+00	
	0.34962E+01	0.11453E+00	
	0.60769E+01	0.16505E-01	
	0.86575E+01	0.12234E-02	
	0.11238E+02	0.45435E-04	
	0.13819E+02	0.83245E-06	
	0.16400E+02	0.74553E-08	
	0.18980E+02	0.32970E-10	
	0.21561E+02	0.19899E-12	
	0.24142E+02	0.25681E-13	
	0.26722E+02	0.41828E-14	
	0.29303E+02	0.56576E-15	
	0.31884E+02	0.62867E-16	
	0.34464E+02	0.56876E-17	
	0.37045E+02	0.41474E-18	

0.91552E+00	0.46566E+00		
0.34962E+01	0.14986E+00		
0.60769E+01	0.29263E-01		
0.86575E+01	0.3321E-02		
0.11238E+02	0.21612E-03		
0.13819E+02	0.78708E-05		
0.16400E+02	0.15953E-06		
0.18980E+02	0.17901E-08		
0.21561E+02	0.11505E-10		
0.24142E+02	0.15723E-12		
0.26722E+02	0.27242E-13		
0.29303E+02	0.53118E-14		
0.31884E+02	0.88962E-15		
0.34464E+02	0.12689E-15		
0.37045E+02	0.15313E-16		
0.39626E+02	0.15521E-17		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.56792E+00
	0.15240E-02	0.93987E+00	
	0.30619E+00	0.78739E+00	
	0.61086E+00	0.63189E+00	
	0.91552E+00	0.47650E+00	
	0.34962E+01	0.16105E+00	
	0.60769E+01	0.34040E-01	
	0.86575E+01	0.43336E-02	
	0.11238E+02	0.32485E-03	
	0.13819E+02	0.14140E-04	
	0.16400E+02	0.35425E-06	
	0.18980E+02	0.50802E-08	
	0.21561E+02	0.42120E-10	
	0.24142E+02	0.37148E-12	
	0.26722E+02	0.44673E-13	
	0.29303E+02	0.94866E-14	
	0.31884E+02	0.17637E-14	
	0.34464E+02	0.28236E-15	
	0.37045E+02	0.38701E-16	
	0.39626E+02	0.45119E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.58873E+00
	0.15240E-02	0.94115E+00	
	0.30619E+00	0.79185E+00	
	0.61086E+00	0.63939E+00	
	0.91552E+00	0.48671E+00	
	0.34962E+01	0.17193E+00	
	0.60769E+01	0.39017E-01	
	0.86575E+01	0.54893E-02	
	0.11238E+02	0.46842E-03	
	0.13819E+02	0.23917E-04	
	0.16400E+02	0.72438E-06	
	0.18980E+02	0.12941E-07	
	0.21561E+02	0.13660E-09	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.19626E+02	0.24103E-19		
0.7500E+02	0.80600E+00	0.10000E+01	0.50335E+00
	0.15240E-02	0.93544E+00	
	0.30619E+00	0.77197E+00	
	0.61086E+00	0.60610E+00	
	0.91552E+00	0.44173E+00	
	0.34962E+01	0.12659E+00	
	0.60769E+01	0.20455E-01	
	0.86575E+01	0.17829E-02	
	0.11238E+02	0.81726E-04	
	0.13819E+02	0.19408E-05	
	0.16400E+02	0.23660E-07	
	0.18980E+02	0.14793E-09	
	0.21561E+02	0.67428E-12	
	0.24142E+02	0.46569E-13	
	0.26722E+02	0.84807E-14	
	0.29303E+02	0.13196E-14	
	0.31884E+02	0.17145E-15	
	0.34464E+02	0.18456E-16	
	0.37045E+02	0.16319E-17	
	0.39626E+02	0.11739E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.80000E+00	0.10000E+01	0.52526E+00
	0.15240E-02	0.93703E+00	
	0.30619E+00	0.77750E+00	
	0.61086E+00	0.61531E+00	
	0.91552E+00	0.45410E+00	
	0.34962E+01	0.13837E+00	
	0.60769E+01	0.24722E-01	
	0.86575E+01	0.24834E-02	
	0.11238E+02	0.13687E-03	
	0.13819E+02	0.40793E-05	
	0.16400E+02	0.65145E-07	
	0.18980E+02	0.55514E-09	
	0.21561E+02	0.28158E-11	
	0.24142E+02	0.82261E-13	
	0.26722E+02	0.15747E-13	
	0.29303E+02	0.27659E-14	
	0.31884E+02	0.41150E-15	
	0.34464E+02	0.51479E-16	
	0.37045E+02	0.53749E-17	
	0.39626E+02	0.46449E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.80000E+00	0.10000E+01	0.54677E+00
	0.15240E-02	0.93850E+00	
	0.30619E+00	0.78262E+00	
	0.61086E+00	0.62388E+00	

0.24142E+02	0.10906E-11		
0.26722E+02	0.71241E-13		
0.29303E+02	0.15944E-13		
0.31884E+02	0.32516E-14		
0.34464E+02	0.57678E-15		
0.37045E+02	0.88490E-16		
0.39626E+02	0.11676E-16		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.80000E+00	0.10000E+01	0.60921E+00
	0.15240E-02	0.94234E+00	
	0.30619E+00	0.79603E+00	
	0.61086E+00	0.64644E+00	
	0.91552E+00	0.49634E+00	
	0.34962E+01	0.18250E+00	
	0.60769E+01	0.44162E-01	
	0.86575E+01	0.67987E-02	
	0.11238E+02	0.65196E-03	
	0.13819E+02	0.38432E-04	
	0.16400E+02	0.13808E-05	
	0.18980E+02	0.30066E-07	
	0.21561E+02	0.39620E-09	
	0.24142E+02	0.34799E-11	
	0.26722E+02	0.11586E-12	
	0.29303E+02	0.25472E-13	
	0.31884E+02	0.56376E-14	
	0.34464E+02	0.10959E-14	
	0.37045E+02	0.18593E-15	
	0.39626E+02	0.27392E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.80000E+00	0.10000E+01	0.62939E+00
	0.15240E-02	0.94347E+00	
	0.30619E+00	0.79997E+00	
	0.61086E+00	0.65310E+00	
	0.91552E+00	0.50545E+00	
	0.34962E+01	0.19278E+00	
	0.60769E+01	0.49446E-01	
	0.86575E+01	0.82592E-02	
	0.11238E+02	0.88028E-03	
	0.13819E+02	0.59098E-04	
	0.16400E+02	0.24782E-05	
	0.18980E+02	0.64548E-07	
	0.21561E+02	0.10414E-08	
	0.24142E+02	0.10814E-10	
	0.26722E+02	0.20738E-12	
	0.29303E+02	0.39057E-13	
	0.31884E+02	0.92745E-14	
	0.34464E+02	0.19575E-14	
	0.37045E+02	0.36351E-15	
	0.39626E+02	0.59118E-16	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX
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Southern Expansion Area - SLJNEMX.IN
 0.00107 Va Darcy Velocity
 NOLAY :No. of Layers

N	8e-05	1	0	0.94	0.001524	1
3	0.018	0.36	0	1.91	0.914	3
2	0.064	0.5	0	1.69	38.709999	15

ARE ANY LAYERS FRACTURED?

MT - Top Boundary Code
 MB - Base Boundary Code
 CO - Initial Source Conc.

Is there Decay
 Do you have an initial concentration profile?
 Accept default TALBOT parameters?

Limited number of depths for results
 NOLTIME:No. of times of interest

N	5	10	15	20	25
28	30	35	40	45	50
	55	60	65	70	75
	80	85	90	95	100
	105	110	115	120	125
	127	130	131		

POLLUTEV6 SIMULATION

RUN DATE - 26- 7- **
 TIME - 11:21:32

REVISION - 1994/03/01

VERSION 6.0.2

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LICENSED USER: Andrews Environmental Eng. Inc

Southern Expansion Area - SLJNEMX.IN

THE DARCY VELOCITY (FLUX) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	DISTRIBUTION/PARTITIONING/COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.30600E-04	0.100E+01	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.18600E-01	0.36000	0.0000E+00	1.9100	0.9140E+00
3	15	0.64600E-01	0.50000	0.0000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1	Zero Flux	Zero Flux
2	C = Const.	C = Const.
3	Finite Mass	Fixed Outflow Velocity
4		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.90941E-01
	0.15240E-02	0.79140E+00	
	0.30619E+00	0.34283E+00	
	0.61086E+00	0.99258E-01	
	0.91552E+00	0.10527E-01	
	0.34962E+01	0.17207E-07	
	0.60769E+01	0.45299E-14	
	0.86575E+01	0.11308E-17	
	0.11238E+02	0.13355E-22	
	0.13819E+02	0.51631E-29	
	0.16400E+02	0.14942E-33	
	0.18980E+02	0.25987E-38	
	0.21561E+02	0.56627E-44	
	0.24142E+02	0.22129E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	
0.1000E+02	0.00000E+00	0.10000E+01	0.14168E+00
	0.15240E-02	0.84984E+00	
	0.30619E+00	0.49877E+00	
	0.61086E+00	0.23167E+00	
	0.91552E+00	0.53669E-01	
	0.34962E+01	0.47819E-04	
	0.60769E+01	0.32597E-09	
	0.86575E+01	0.89143E-14	
	0.11238E+02	0.40261E-16	
	0.13819E+02	0.43751E-19	
	0.16400E+02	0.93770E-23	
	0.18980E+02	0.31977E-27	
	0.21561E+02	0.33487E-31	
	0.24142E+02	0.35760E-34	
	0.26722E+02	0.15379E-37	
	0.29303E+02	0.23447E-41	
	0.31884E+02	0.13832E-45	
	0.34464E+02	0.31817E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.18234E+00
	0.15240E-02	0.87546E+00	
	0.30619E+00	0.57182E+00	
	0.61086E+00	0.31133E+00	
	0.91552E+00	0.98152E-01	
	0.34962E+01	0.74798E-03	
	0.60769E+01	0.23304E-06	
	0.86575E+01	0.27795E-11	
	0.11238E+02	0.49042E-14	
	0.13819E+02	0.57471E-16	
	0.16400E+02	0.26174E-18	
	0.18980E+02	0.41776E-21	
	0.21561E+02	0.20566E-24	
	0.24142E+02	0.38750E-28	
	0.26722E+02	0.29592E-31	
	0.29303E+02	0.11684E-33	
	0.31884E+02	0.25464E-36	
	0.34464E+02	0.28363E-39	
	0.37045E+02	0.15432E-42	
	0.39626E+02	0.51324E-46	
0.2000E+02	0.0000E+00	0.10000E+01	0.21809E+00
	0.15240E-02	0.88927E+00	
	0.30619E+00	0.61593E+00	
	0.61086E+00	0.36156E+00	
	0.91552E+00	0.13593E+00	
	0.34962E+01	0.30876E-02	
	0.60769E+01	0.65853E-05	
	0.86575E+01	0.11826E-08	
	0.11238E+02	0.70969E-13	
	0.13819E+02	0.19603E-14	
	0.16400E+02	0.36775E-16	
	0.18980E+02	0.33721E-18	
	0.21561E+02	0.14125E-20	
	0.24142E+02	0.24900E-23	
	0.26722E+02	0.17077E-26	
	0.29303E+02	0.94398E-30	
	0.31884E+02	0.65429E-32	
	0.34464E+02	0.49315E-34	
	0.37045E+02	0.23287E-36	
	0.39626E+02	0.66386E-39	
0.2500E+02	0.0000E+00	0.10000E+01	0.25104E+00
	0.15240E-02	0.89768E+00	
	0.30619E+00	0.64241E+00	
	0.61086E+00	0.39612E+00	
	0.91552E+00	0.16741E+00	
	0.34962E+01	0.73925E-02	
	0.60769E+01	0.50321E-04	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.86575E+01	0.48000E-07		
0.11238E+02	0.63720E-11		
0.13819E+02	0.16300E-13		
0.16400E+02	0.68795E-15		
0.18980E+02	0.17023E-16		
0.21561E+02	0.23543E-18		
0.24142E+02	0.17314E-20		
0.26722E+02	0.63821E-23		
0.29303E+02	0.11087E-25		
0.31884E+02	0.10730E-28		
0.34464E+02	0.56456E-31		
0.37045E+02	0.84022E-33		
0.39626E+02	0.90890E-35		
0.31894E+02	0.58407E-23		
0.34464E+02	0.28150E-25		
0.37045E+02	0.82207E-28		
0.39626E+02	0.43710E-30		
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.03000E+00	0.10000E+01	0.34102E+00
	0.15240E-02	0.91080E+00	
	0.30619E+00	0.68551E+00	
	0.61086E+00	0.45896E+00	
	0.91552E+00	0.23688E+00	
	0.34962E+01	0.28896E-01	
	0.60769E+01	0.11376E-02	
	0.86575E+01	0.12642E-04	
	0.11238E+02	0.46027E-07	
	0.13819E+02	0.45200E-10	
	0.16400E+02	0.67162E-13	
	0.18980E+02	0.56037E-14	
	0.21561E+02	0.41395E-15	
	0.24142E+02	0.21741E-16	
	0.26722E+02	0.79484E-18	
	0.29303E+02	0.19747E-19	
	0.31884E+02	0.32423E-21	
	0.34464E+02	0.34104E-23	
	0.37045E+02	0.22295E-25	
	0.39626E+02	0.94326E-28	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.28219E+00
	0.15240E-02	0.90335E+00	
	0.30619E+00	0.66076E+00	
	0.61086E+00	0.42182E+00	
	0.91552E+00	0.19398E+00	
	0.34962E+01	0.13412E-01	
	0.60769E+01	0.19866E-03	
	0.86575E+01	0.57874E-06	
	0.11238E+02	0.31924E-09	
	0.13819E+02	0.98961E-13	
	0.16400E+02	0.48093E-14	
	0.18980E+02	0.22567E-15	
	0.21561E+02	0.66814E-17	
	0.24142E+02	0.12071E-18	
	0.26722E+02	0.12793E-20	
	0.29303E+02	0.75978E-23	
	0.31884E+02	0.24108E-25	
	0.34464E+02	0.43418E-28	
	0.37045E+02	0.20336E-30	
	0.39626E+02	0.43584E-32	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.31209E+00
	0.15240E-02	0.90752E+00	
	0.30619E+00	0.67453E+00	
	0.61086E+00	0.44214E+00	
	0.91552E+00	0.21685E+00	
	0.34962E+01	0.20716E-01	
	0.60769E+01	0.53597E-03	
	0.86575E+01	0.34727E-05	
	0.11238E+02	0.54308E-08	
	0.13819E+02	0.21914E-11	
	0.16400E+02	0.19471E-13	
	0.18980E+02	0.14160E-14	
	0.21561E+02	0.71044E-16	
	0.24142E+02	0.23792E-17	
	0.26722E+02	0.51719E-19	
	0.29303E+02	0.70640E-21	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.03000E+00	0.10000E+01	0.36919E+00
	0.15240E-02	0.91349E+00	
	0.30619E+00	0.69466E+00	
	0.61086E+00	0.47337E+00	
	0.91552E+00	0.25472E+00	
	0.34962E+01	0.37630E-01	
	0.60769E+01	0.20556E-02	
	0.86575E+01	0.38790E-04	
	0.11238E+02	0.24455E-06	
	0.13819E+02	0.50646E-09	
	0.16400E+02	0.46368E-12	
	0.18980E+02	0.16421E-13	
	0.21561E+02	0.16241E-14	
	0.24142E+02	0.12015E-15	
	0.26722E+02	0.65115E-17	
	0.29303E+02	0.25376E-18	
	0.31884E+02	0.69609E-20	
	0.34464E+02	0.13118E-21	
	0.37045E+02	0.16538E-23	
	0.39626E+02	0.13617E-25	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.03000E+00	0.10000E+01	0.39671E+00
	0.15240E-02	0.91580E+00	
	0.30619E+00	0.70255E+00	
	0.61086E+00	0.48601E+00	
	0.91552E+00	0.27079E+00	
	0.34962E+01	0.46679E-01	
	0.60769E+01	0.33160E-02	
	0.86575E+01	0.91057E-04	
	0.11238E+02	0.93601E-06	
	0.13819E+02	0.35400E-08	
	0.16400E+02	0.51099E-11	
	0.18980E+02	0.41009E-13	
	0.21561E+02	0.48443E-14	
	0.24142E+02	0.46923E-15	
	0.26722E+02	0.34617E-16	
	0.29303E+02	0.19163E-17	
	0.31884E+02	0.78265E-19	
	0.34464E+02	0.23136E-20	
	0.37045E+02	0.48451E-22	
	0.39626E+02	0.70234E-24	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.42367E+00
	0.15240E-02	0.91782E+00	
	0.30619E+00	0.70950E+00	
	0.61086E+00	0.49732E+00	
	0.91552E+00	0.28544E+00	
	0.34962E+01	0.55874E-01	
	0.60769E+01	0.49234E-02	
	0.86575E+01	0.18384E-03	
	0.11238E+02	0.28203E-05	
	0.13819E+02	0.17476E-07	
	0.16400E+02	0.43691E-10	
	0.18980E+02	0.12088E-12	
	0.21561E+02	0.11869E-13	
	0.24142E+02	0.14274E-14	
	0.26722E+02	0.13496E-15	
	0.29303E+02	0.98981E-17	
	0.31884E+02	0.55540E-18	
	0.34464E+02	0.23478E-19	
	0.37045E+02	0.73480E-21	
	0.39626E+02	0.16700E-22	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.45013E+00
	0.15240E-02	0.91962E+00	
	0.30619E+00	0.71574E+00	
	0.61086E+00	0.50756E+00	
	0.91552E+00	0.29890E+00	
	0.34962E+01	0.65097E-01	
	0.60769E+01	0.68665E-02	
	0.86575E+01	0.33134E-03	
	0.11238E+02	0.70986E-05	
	0.13819E+02	0.66403E-07	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.03000E+00	0.10000E+01	0.47615E+00
	0.15240E-02	0.92126E+00	
	0.30619E+00	0.72140E+00	
	0.61086E+00	0.51693E+00	
	0.91552E+00	0.31136E+00	
	0.34962E+01	0.74269E-01	
	0.60769E+01	0.91246E-02	
	0.86575E+01	0.54710E-03	
	0.11238E+02	0.15552E-04	
	0.13819E+02	0.20618E-06	
	0.16400E+02	0.12633E-08	
	0.18980E+02	0.37790E-11	
	0.21561E+02	0.51712E-13	
	0.24142E+02	0.79026E-14	
	0.26722E+02	0.10865E-14	
	0.29303E+02	0.12162E-15	
	0.31884E+02	0.10974E-16	
	0.34464E+02	0.78984E-18	
	0.37045E+02	0.44799E-19	
	0.39626E+02	0.19759E-20	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.50176E+00
	0.15240E-02	0.92275E+00	
	0.30619E+00	0.72661E+00	
	0.61086E+00	0.52559E+00	
	0.91552E+00	0.32296E+00	
	0.34962E+01	0.83334E-01	
	0.60769E+01	0.11671E-01	
	0.86575E+01	0.84308E-03	
	0.11238E+02	0.30544E-04	
	0.13819E+02	0.34612E-06	
	0.16400E+02	0.47736E-08	
	0.18980E+02	0.20613E-10	
	0.21561E+02	0.12291E-12	
	0.24142E+02	0.15530E-13	
	0.26722E+02	0.24623E-14	
	0.29303E+02	0.32440E-15	
	0.31884E+02	0.35127E-16	
	0.34464E+02	0.30979E-17	
	0.37045E+02	0.22027E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.39626E+02	0.12485E-19		
0.7500E+02	0.00000E+00	0.10000E+01	0.52699E+00
	0.15240E-02	0.92413E+00	
	0.30619E+00	0.73142E+00	
	0.61086E+00	0.53364E+00	
	0.91552E+00	0.33382E+00	
	0.34962E+01	0.92257E-01	
	0.60769E+01	0.14477E-01	
	0.86575E+01	0.12292E-02	
	0.11238E+02	0.54954E-04	
	0.13819E+02	0.12735E-05	
	0.16400E+02	0.15152E-07	
	0.18980E+02	0.92472E-10	
	0.21561E+02	0.41419E-12	
	0.24142E+02	0.28233E-13	
	0.26722E+02	0.50047E-14	
	0.29303E+02	0.75824E-15	
	0.31884E+02	0.95974E-16	
	0.34464E+02	0.10069E-16	
	0.37045E+02	0.86793E-18	
	0.39626E+02	0.60890E-19	
0.8000E+02	0.00000E+00	0.10000E+01	0.55189E+00
	0.15240E-02	0.92542E+00	
	0.30619E+00	0.73590E+00	
	0.61086E+00	0.54116E+00	
	0.91552E+00	0.34403E+00	
	0.34962E+01	0.10101E+00	
	0.60769E+01	0.17513E-01	
	0.86575E+01	0.17130E-02	
	0.11238E+02	0.92064E-04	
	0.13819E+02	0.26771E-05	
	0.16400E+02	0.41724E-07	
	0.18980E+02	0.34704E-09	
	0.21561E+02	0.17229E-11	
	0.24142E+02	0.49955E-13	
	0.26722E+02	0.93168E-14	
	0.29303E+02	0.15930E-14	
	0.31884E+02	0.23081E-15	
	0.34464E+02	0.28133E-16	
	0.37045E+02	0.28629E-17	
	0.39626E+02	0.24121E-18	
0.8500E+02	0.00000E+00	0.10000E+01	0.57646E+00
	0.15240E-02	0.92662E+00	
	0.30619E+00	0.74009E+00	
	0.61086E+00	0.54822E+00	
	0.24142E+02	0.65431E-12	
	0.26722E+02	0.42454E-13	
	0.29303E+02	0.92510E-14	
	0.31884E+02	0.18360E-14	
	0.34464E+02	0.31709E-15	
	0.37045E+02	0.47304E-16	
	0.39626E+02	0.60917E-17	
0.1000E+03	0.00000E+00	0.10000E+01	0.64842E+00
	0.15240E-02	0.92981E+00	
	0.30619E+00	0.75128E+00	
	0.61086E+00	0.56716E+00	
	0.91552E+00	0.37967E+00	
	0.34962E+01	0.13419E+00	
	0.60769E+01	0.31430E-01	
	0.86575E+01	0.47028E-02	
	0.11238E+02	0.43927E-03	
	0.13819E+02	0.25250E-04	
	0.16400E+02	0.88505E-06	
	0.18980E+02	0.18806E-07	
	0.21561E+02	0.24189E-09	
	0.24142E+02	0.20804E-11	
	0.26722E+02	0.69069E-13	
	0.29303E+02	0.14817E-13	
	0.31884E+02	0.31909E-14	
	0.34464E+02	0.60378E-15	
	0.37045E+02	0.99757E-16	
	0.39626E+02	0.14317E-16	
0.1050E+03	0.00000E+00	0.10000E+01	0.67188E+00
	0.15240E-02	0.93077E+00	
	0.30619E+00	0.75463E+00	
	0.61086E+00	0.57285E+00	
	0.91552E+00	0.38754E+00	
	0.34962E+01	0.14200E+00	
	0.60769E+01	0.35237E-01	
	0.86575E+01	0.57179E-02	
	0.11238E+02	0.59343E-03	
	0.13819E+02	0.38840E-04	
	0.16400E+02	0.15888E-05	
	0.18980E+02	0.40381E-07	
	0.21561E+02	0.63585E-09	
	0.24142E+02	0.64541E-11	
	0.26722E+02	0.13327E-12	
	0.29303E+02	0.22778E-13	
	0.31884E+02	0.52623E-14	
	0.34464E+02	0.10809E-14	
	0.37045E+02	0.19543E-15	
	0.39626E+02	0.30956E-16	
0.1100E+03	0.00000E+00	0.10000E+01	0.69510E+00
	0.15240E-02	0.93168E+00	
	0.30619E+00	0.75782E+00	
	0.61086E+00	0.57827E+00	
	0.91552E+00	0.39505E+00	
	0.34962E+01	0.14963E+00	
	0.60769E+01	0.39136E-01	
	0.86575E+01	0.68372E-02	
	0.11238E+02	0.78092E-03	
	0.13819E+02	0.57517E-04	
	0.16400E+02	0.27076E-05	
	0.18980E+02	0.80983E-07	
	0.21561E+02	0.15337E-08	
	0.24142E+02	0.18687E-10	
	0.26722E+02	0.25746E-12	
	0.29303E+02	0.34014E-13	
	0.31884E+02	0.82962E-14	
	0.34464E+02	0.18351E-14	
	0.37045E+02	0.35991E-15	
	0.39626E+02	0.62312E-16	
0.1150E+03	0.00000E+00	0.10000E+01	0.71809E+00
	0.15240E-02	0.93254E+00	
	0.30619E+00	0.76086E+00	
	0.61086E+00	0.58346E+00	
	0.91552E+00	0.40225E+00	
	0.34962E+01	0.15708E+00	
	0.60769E+01	0.43112E-01	
	0.86575E+01	0.80575E-02	
	0.11238E+02	0.10044E-02	
	0.13819E+02	0.82400E-04	
	0.16400E+02	0.44096E-05	
	0.18980E+02	0.15304E-06	
	0.21561E+02	0.34315E-08	
	0.24142E+02	0.50008E-10	
	0.26722E+02	0.62094E-12	
	0.29303E+02	0.50293E-13	
	0.31884E+02	0.12582E-13	
	0.34464E+02	0.29753E-14	
	0.37045E+02	0.62825E-15	
	0.39626E+02	0.11790E-15	
0.1200E+03	0.00000E+00	0.10000E+01	0.74085E+00
	0.15240E-02	0.93337E+00	
	0.30619E+00	0.76377E+00	
	0.61086E+00	0.58843E+00	
	0.91552E+00	0.40916E+00	
	0.34962E+01	0.16434E+00	
	0.60769E+01	0.47150E-01	

0.86575E+01 0.93751E-02
 0.11238E+02 0.12663E-02
 0.13819E+02 0.11467E-03
 0.16400E+02 0.69021E-05
 0.18980E+02 0.27452E-06
 0.21561E+02 0.71870E-08
 0.24142E+02 0.12404E-09
 0.26722E+02 0.16009E-11
 0.29303E+02 0.76071E-13
 0.31884E+02 0.18461E-13
 0.34464E+02 0.46343E-14
 0.37045E+02 0.10466E-14
 0.39626E+02 0.21137E-15

0.11884E+02 0.30240E-13
 0.34464E+02 0.81315E-14
 0.37045E+02 0.19986E-14
 0.39626E+02 0.44269E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1300E+03 0.00000E+00 0.10000E+01 0.78577E+00
 0.15240E-02 0.93492E+00
 0.30619E+00 0.76924E+00
 0.61086E+00 0.59777E+00
 0.91552E+00 0.42219E+00
 0.34962E+01 0.17837E+00
 0.60769E+01 0.55368E-01
 0.86575E+01 0.12286E-01
 0.11238E+02 0.19126E-02
 0.13819E+02 0.20630E-03
 0.16400E+02 0.15287E-04
 0.18980E+02 0.77387E-06
 0.21561E+02 0.26654E-07
 0.24142E+02 0.62364E-09
 0.26722E+02 0.10196E-10
 0.29303E+02 0.22267E-12
 0.31884E+02 0.36976E-13
 0.34464E+02 0.10160E-13
 0.37045E+02 0.25815E-14
 0.39626E+02 0.59295E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1310E+03 0.00000E+00 0.10000E+01 0.79021E+00
 0.15240E-02 0.93507E+00
 0.30619E+00 0.76976E+00
 0.61086E+00 0.59867E+00
 0.91552E+00 0.42344E+00
 0.34962E+01 0.17973E+00
 0.60769E+01 0.56197E-01
 0.86575E+01 0.12596E-01
 0.11238E+02 0.19866E-02
 0.13819E+02 0.21773E-03
 0.16400E+02 0.16446E-04
 0.18980E+02 0.85109E-06
 0.21561E+02 0.30060E-07
 0.24142E+02 0.72332E-09
 0.26722E+02 0.12150E-10
 0.29303E+02 0.25419E-12
 0.31884E+02 0.39512E-13
 0.34464E+02 0.10919E-13
 0.37045E+02 0.28041E-14
 0.39626E+02 0.65167E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1250E+03 0.00000E+00 0.10000E+01 0.76341E+00
 0.15240E-02 0.93416E+00
 0.30619E+00 0.76656E+00
 0.61086E+00 0.59119E+00
 0.91552E+00 0.41590E+00
 0.34962E+01 0.17144E+00
 0.60769E+01 0.51239E-01
 0.86575E+01 0.10786E-01
 0.11238E+02 0.15685E-02
 0.13819E+02 0.15556E-03
 0.16400E+02 0.10432E-04
 0.18980E+02 0.47037E-06
 0.21561E+02 0.14202E-07
 0.24142E+02 0.28699E-09
 0.26722E+02 0.41178E-11
 0.29303E+02 0.12326E-12
 0.31884E+02 0.26372E-13
 0.34464E+02 0.69688E-14
 0.37045E+02 0.16737E-14
 0.39626E+02 0.36147E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1270E+03 0.00000E+00 0.10000E+01 0.77238E+00
 0.15240E-02 0.93447E+00
 0.30619E+00 0.76765E+00
 0.61086E+00 0.59505E+00
 0.91552E+00 0.41839E+00
 0.34962E+01 0.17423E+00
 0.60769E+01 0.52886E-01
 0.86575E+01 0.11375E-01
 0.11238E+02 0.17010E-02
 0.13819E+02 0.17460E-03
 0.16400E+02 0.12198E-04
 0.18980E+02 0.57667E-06
 0.21561E+02 0.18376E-07
 0.24142E+02 0.39427E-09
 0.26722E+02 0.59515E-11
 0.29303E+02 0.15394E-12

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

Southern Expansion Area - SL3RHOM.IN
 0.00107
 Vs Darcy Velocity

3 NOLAY :No. of Layers
 N 8e-05 1 0 0.94 0.001524 1
 0.018 0.36 0 1.91 0.914 3
 0.064 0.41 0 1.13 38.709999 15
 2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 CO - Initial Source Conc.
 N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?
 N Limited number of depths for results
 20 NOTIME:No. of times of interest
 5 10 15 20 25
 30 35 40 45 50
 55 60 65 70 75
 80 85 90 95 100
 105 110 115 120 125
 127 130 131

.....
 *
 * POLLUTE SIMULATION *
 *
 * ANALYSIS COMPLETED *
 *
 * TIME - 11:21:33 *
 * EXECUTION TIME 0: 1 *
 *
 *.....

0.31884E+02 0.75156E-23
 0.34464E+02 0.36568E-25
 0.37045E+02 0.10780E-27
 0.39626E+02 0.57806E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.33847E+00
	0.15240E-02	0.91396E+00	
	0.30619E+00	0.69713E+00	
	0.61086E+00	0.48086E+00	
	0.91552E+00	0.27178E+00	
	0.34962E+01	0.33522E-01	
	0.60769E+01	0.13326E-02	
	0.86575E+01	0.15896E-04	
	0.11238E+02	0.54947E-07	
	0.13819E+02	0.54471E-10	
	0.16400E+02	0.81504E-13	
	0.18980E+02	0.68668E-14	
	0.21561E+02	0.51236E-15	
	0.24142E+02	0.27174E-16	
	0.26722E+02	0.10031E-17	
	0.29303E+02	0.25162E-19	
	0.31884E+02	0.41712E-21	
	0.34464E+02	0.44294E-23	
	0.37045E+02	0.29233E-25	
	0.39626E+02	0.12484E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.36576E+00
	0.15240E-02	0.91701E+00	
	0.30619E+00	0.70751E+00	
	0.61086E+00	0.49721E+00	
	0.91552E+00	0.29198E+00	
	0.34962E+01	0.43641E-01	
	0.60769E+01	0.24077E-02	
	0.86575E+01	0.45870E-04	
	0.11238E+02	0.29193E-06	
	0.13819E+02	0.61034E-09	
	0.16400E+02	0.56346E-12	
	0.18980E+02	0.20103E-13	
	0.21561E+02	0.20087E-14	
	0.24142E+02	0.15009E-15	
	0.26722E+02	0.82146E-17	
	0.29303E+02	0.22324E-18	
	0.31884E+02	0.89526E-20	
	0.34464E+02	0.17034E-21	
	0.37045E+02	0.21680E-23	
	0.39626E+02	0.18022E-25	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.39233E+00

	0.16400E+02	0.32736E-09	
	0.18980E+02	0.74438E-12	
	0.21561E+02	0.31282E-13	
	0.24142E+02	0.44933E-14	
	0.26722E+02	0.52636E-15	
	0.29303E+02	0.49102E-16	
	0.31884E+02	0.36065E-17	
	0.34464E+02	0.20594E-18	
	0.37045E+02	0.90124E-20	
	0.39626E+02	0.29749E-21	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.85968E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13819E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98385E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14088E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55899E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13819E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45065E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28926E-18	

0.15240E-02 0.91963E+00
 0.30619E+00 0.71645E+00
 0.61086E+00 0.51152E+00
 0.91552E+00 0.31012E+00
 0.34962E+01 0.54115E-01
 0.60769E+01 0.38836E-02
 0.86575E+01 0.19767E-03
 0.11238E+02 0.11173E-05
 0.13819E+02 0.42659E-08
 0.16400E+02 0.62135E-11
 0.18980E+02 0.50162E-13
 0.21561E+02 0.59864E-14
 0.24142E+02 0.58578E-15
 0.26722E+02 0.43648E-16
 0.29303E+02 0.24400E-17
 0.31884E+02 0.10062E-18
 0.34464E+02 0.30034E-20
 0.37045E+02 0.63502E-22
 0.39626E+02 0.92933E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.41825E+00
	0.15240E-02	0.92191E+00	
	0.30619E+00	0.72431E+00	
	0.61086E+00	0.52426E+00	
	0.91552E+00	0.32657E+00	
	0.34962E+01	0.64746E-01	
	0.60769E+01	0.57650E-02	
	0.86575E+01	0.21736E-03	
	0.11238E+02	0.33665E-05	
	0.13819E+02	0.21059E-07	
	0.16400E+02	0.53145E-10	
	0.18980E+02	0.14768E-12	
	0.21561E+02	0.14653E-13	
	0.24142E+02	0.17895E-14	
	0.26722E+02	0.17066E-15	
	0.29303E+02	0.12597E-16	
	0.31884E+02	0.71378E-18	
	0.34464E+02	0.30467E-19	
	0.37045E+02	0.96277E-21	
	0.39626E+02	0.22092E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.44362E+00
	0.15240E-02	0.92395E+00	
	0.30619E+00	0.73133E+00	
	0.61086E+00	0.53577E+00	
	0.91552E+00	0.34161E+00	
	0.34962E+01	0.75395E-01	
	0.60769E+01	0.80385E-02	
	0.86575E+01	0.39172E-03	
	0.11238E+02	0.84728E-05	
	0.13819E+02	0.80014E-07	

0.39626E+02 0.16499E-19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.30619E+00	0.74884E+00	
	0.61086E+00	0.56481E+00	
	0.91552E+00	0.38031E+00	
	0.34962E+01	0.10665E+00	
	0.60769E+01	0.16932E-01	
	0.86575E+01	0.14525E-02	
	0.11238E+02	0.65577E-04	
	0.13819E+02	0.15343E-05	
	0.16400E+02	0.18429E-07	
	0.18980E+02	0.11353E-09	
	0.21561E+02	0.51197E-12	
	0.24142E+02	0.35075E-13	
	0.26722E+02	0.62840E-14	
	0.29303E+02	0.96209E-15	
	0.31884E+02	0.12303E-15	
	0.34464E+02	0.13039E-16	
	0.37045E+02	0.11352E-17	
	0.39626E+02	0.80415E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.30619E+00	0.75380E+00	
	0.61086E+00	0.57311E+00	
	0.91552E+00	0.39152E+00	
	0.34962E+01	0.11669E+00	
	0.60769E+01	0.20475E-01	
	0.86575E+01	0.20238E-02	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.36406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.31845E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.30619E+00	0.75843E+00	
	0.61086E+00	0.58087E+00	

0.91552E+00 0.40206E+00
 0.34962E+01 0.12651E+00
 0.60769E+01 0.24250E-01
 0.86575E+01 0.27164E-02
 0.11238E+02 0.17349E-03
 0.13819E+02 0.62236E-05
 0.16400E+02 0.12428E-06
 0.18980E+02 0.13741E-08
 0.21561E+02 0.87073E-11
 0.24142E+02 0.11845E-12
 0.26722E+02 0.20247E-13
 0.29303E+02 0.38835E-14
 0.31884E+02 0.63996E-15
 0.34464E+02 0.89837E-16
 0.37045E+02 0.10672E-16
 0.39626E+02 0.10650E-17

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.9000E+02 0.00000E+00 0.10000E+01 0.58668E+00
 0.15240E-02 0.93298E+00
 0.30619E+00 0.76275E+00
 0.61086E+00 0.58816E+00
 0.91552E+00 0.41200E+00
 0.34962E+01 0.13609E+00
 0.60769E+01 0.28227E-01
 0.86575E+01 0.35342E-02
 0.11238E+02 0.26082E-03
 0.13819E+02 0.11182E-04
 0.16400E+02 0.27600E-06
 0.18980E+02 0.38998E-08
 0.21561E+02 0.31867E-10
 0.24142E+02 0.27899E-12
 0.26722E+02 0.33253E-13
 0.29303E+02 0.69459E-14
 0.31884E+02 0.12704E-14
 0.34464E+02 0.20015E-15
 0.37045E+02 0.27001E-16
 0.39626E+02 0.30989E-17

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.9500E+02 0.00000E+00 0.10000E+01 0.60929E+00
 0.15240E-02 0.93414E+00
 0.30619E+00 0.76682E+00
 0.61086E+00 0.59503E+00
 0.91552E+00 0.42141E+00
 0.34962E+01 0.14548E+00
 0.60769E+01 0.32377E-01
 0.86575E+01 0.44786E-02
 0.11238E+02 0.37619E-03
 0.13819E+02 0.18918E-04
 0.16400E+02 0.56445E-06
 0.18980E+02 0.99351E-08
 0.21561E+02 0.10334E-09

INTO SOIL

0.1100E+03 0.00000E+00 0.10000E+01 0.67543E+00
 0.15240E-02 0.93726E+00
 0.30619E+00 0.77775E+00
 0.61086E+00 0.61355E+00
 0.91552E+00 0.44689E+00
 0.34962E+01 0.17206E+00
 0.60769E+01 0.45614E-01
 0.86575E+01 0.80624E-02
 0.11238E+02 0.93068E-03
 0.13819E+02 0.69240E-04
 0.16400E+02 0.32914E-05
 0.18980E+02 0.99395E-07
 0.21561E+02 0.19004E-08
 0.24142E+02 0.23368E-10
 0.26722E+02 0.32306E-12
 0.29303E+02 0.42855E-13
 0.31884E+02 0.10566E-13
 0.34464E+02 0.23625E-14
 0.37045E+02 0.46830E-15
 0.39626E+02 0.81928E-16

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1150E+03 0.00000E+00 0.10000E+01 0.69696E+00
 0.15240E-02 0.93819E+00
 0.30619E+00 0.78103E+00
 0.61086E+00 0.61913E+00
 0.91552E+00 0.45461E+00
 0.34962E+01 0.18048E+00
 0.60769E+01 0.50218E-01
 0.86575E+01 0.94975E-02
 0.11238E+02 0.11967E-02
 0.13819E+02 0.99177E-04
 0.16400E+02 0.53598E-05
 0.18980E+02 0.18781E-06
 0.21561E+02 0.42517E-08
 0.24142E+02 0.62543E-10
 0.26722E+02 0.78109E-12
 0.29303E+02 0.63325E-13
 0.31884E+02 0.16007E-13
 0.34464E+02 0.38268E-14
 0.37045E+02 0.81672E-15
 0.39626E+02 0.15489E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1200E+03 0.00000E+00 0.10000E+01 0.71825E+00
 0.15240E-02 0.93908E+00
 0.30619E+00 0.78415E+00
 0.61086E+00 0.62445E+00
 0.91552E+00 0.46200E+00
 0.34962E+01 0.18869E+00
 0.60769E+01 0.54890E-01

0.2414E+02 0.81624E-12
 0.26722E+02 0.53091E-13
 0.29303E+02 0.11692E-13
 0.31884E+02 0.23454E-14
 0.34464E+02 0.40935E-15
 0.37045E+02 0.61807E-16
 0.39626E+02 0.80274E-17

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1000E+03 0.00000E+00 0.10000E+01 0.63161E+00
 0.15240E-02 0.93524E+00
 0.30619E+00 0.77065E+00
 0.61086E+00 0.60153E+00
 0.91552E+00 0.43033E+00
 0.34962E+01 0.15454E+00
 0.60769E+01 0.36673E-01
 0.86575E+01 0.55495E-02
 0.11238E+02 0.52375E-03
 0.13819E+02 0.30405E-04
 0.16400E+02 0.10761E-05
 0.18980E+02 0.23085E-07
 0.21561E+02 0.29974E-09
 0.24142E+02 0.25990E-11
 0.26722E+02 0.86359E-13
 0.29303E+02 0.18707E-13
 0.31884E+02 0.40722E-14
 0.34464E+02 0.77877E-15
 0.37045E+02 0.13002E-15
 0.39626E+02 0.18853E-16

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1050E+03 0.00000E+00 0.10000E+01 0.65365E+00
 0.15240E-02 0.93627E+00
 0.30619E+00 0.77430E+00
 0.61086E+00 0.60769E+00
 0.91552E+00 0.43881E+00
 0.34962E+01 0.16342E+00
 0.60769E+01 0.41093E-01
 0.86575E+01 0.67451E-02
 0.11238E+02 0.70740E-03
 0.13819E+02 0.46764E-04
 0.16400E+02 0.19316E-05
 0.18980E+02 0.49566E-07
 0.21561E+02 0.78918E-09
 0.24142E+02 0.80687E-11
 0.26722E+02 0.15430E-12
 0.29303E+02 0.28727E-13
 0.31884E+02 0.67090E-14
 0.34464E+02 0.13929E-14
 0.37045E+02 0.25451E-15
 0.39626E+02 0.40734E-16

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.86575E+01 0.11046E-01
 0.11238E+02 0.15083E-02
 0.13819E+02 0.13799E-03
 0.16400E+02 0.83882E-05
 0.18980E+02 0.33687E-06
 0.21561E+02 0.89043E-08
 0.24142E+02 0.15513E-09
 0.26722E+02 0.20172E-11
 0.29303E+02 0.95789E-13
 0.31884E+02 0.23464E-13
 0.34464E+02 0.59547E-14
 0.37045E+02 0.13594E-14
 0.39626E+02 0.27746E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1250E+03 0.00000E+00 0.10000E+01 0.73931E+00
 0.15240E-02 0.93993E+00
 0.30619E+00 0.78714E+00
 0.61086E+00 0.62955E+00
 0.91552E+00 0.46907E+00
 0.34962E+01 0.19688E+00
 0.60769E+01 0.59614E-01
 0.86575E+01 0.12703E-01
 0.11238E+02 0.18677E-02
 0.13819E+02 0.18715E-03
 0.16400E+02 0.12677E-04
 0.18980E+02 0.57714E-06
 0.21561E+02 0.17594E-07
 0.24142E+02 0.35892E-09
 0.26722E+02 0.51935E-11
 0.29303E+02 0.15539E-12
 0.31884E+02 0.33485E-13
 0.34464E+02 0.89454E-14
 0.37045E+02 0.21718E-14
 0.39626E+02 0.47407E-15

TIME DEPTH CONCENTRATION TOTAL FLUX INTO SOIL

0.1270E+03 0.00000E+00 0.10000E+01 0.74768E+00
 0.15240E-02 0.94026E+00
 0.30619E+00 0.78830E+00
 0.61086E+00 0.63152E+00
 0.91552E+00 0.47182E+00
 0.34962E+01 0.19982E+00
 0.60769E+01 0.61515E-01
 0.86575E+01 0.13394E-01
 0.11238E+02 0.20252E-02
 0.13819E+02 0.21005E-03
 0.16400E+02 0.14821E-04
 0.18980E+02 0.70755E-06
 0.21561E+02 0.22765E-07
 0.24142E+02 0.49309E-09
 0.26722E+02 0.75078E-11
 0.29303E+02 0.19424E-12

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.90941E-01
	0.15240E-02	0.79140E+00	
	0.30619E+00	0.34284E+00	
	0.61086E+00	0.99438E-01	
	0.91552E+00	0.12103E-01	
	0.34962E+01	0.19972E-07	
	0.60769E+01	0.53073E-14	
	0.86575E+01	0.13375E-17	
	0.11238E+02	0.15946E-22	
	0.13819E+02	0.62233E-29	
	0.16400E+02	0.18179E-33	
	0.18980E+02	0.31919E-38	
	0.21561E+02	0.70215E-44	
	0.24142E+02	0.27696E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.14167E+00
	0.15240E-02	0.84994E+00	
	0.30619E+00	0.49936E+00	
	0.61086E+00	0.23410E+00	
	0.91552E+00	0.61706E-01	
	0.34962E+01	0.55501E-04	
	0.60769E+01	0.38194E-09	
	0.86575E+01	0.10542E-13	
	0.11238E+02	0.48063E-16	
	0.13819E+02	0.52727E-19	
	0.16400E+02	0.11408E-22	
	0.18980E+02	0.39275E-27	
	0.21561E+02	0.41510E-31	
	0.24142E+02	0.44749E-34	
	0.26722E+02	0.19429E-37	
	0.29303E+02	0.29903E-41	
	0.31884E+02	0.17808E-45	
	0.34464E+02	0.41342E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.10000E+01	0.28105E+00
	0.15240E-02	0.90560E+00	
	0.30619E+00	0.66925E+00	
	0.61086E+00	0.43877E+00	
	0.91552E+00	0.22826E+00	
	0.34962E+01	0.15564E-01	
	0.60769E+01	0.23274E-03	
	0.86575E+01	0.68446E-06	
	0.11238E+02	0.38113E-09	
	0.13819E+02	0.11912E-12	
	0.16400E+02	0.58437E-14	
	0.18980E+02	0.27691E-15	
	0.21561E+02	0.82777E-17	
	0.24142E+02	0.15098E-18	
	0.26722E+02	0.16155E-20	
	0.29303E+02	0.96860E-23	
	0.31884E+02	0.31027E-25	
	0.34464E+02	0.56404E-28	
	0.37045E+02	0.26647E-30	
	0.39626E+02	0.57651E-32	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.10000E+01	0.31030E+00
	0.15240E-02	0.91026E+00	
	0.30619E+00	0.68471E+00	
	0.61086E+00	0.46176E+00	
	0.91552E+00	0.24898E+00	
	0.34962E+01	0.24037E-01	
	0.60769E+01	0.62787E-03	
	0.86575E+01	0.41069E-05	
	0.11238E+02	0.64836E-08	
	0.13819E+02	0.26404E-11	
	0.16400E+02	0.23640E-13	
	0.18980E+02	0.17365E-14	
	0.21561E+02	0.87992E-16	
	0.24142E+02	0.23750E-17	
	0.26722E+02	0.65293E-19	
	0.29303E+02	0.90036E-21	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.10000E+01	0.18226E+00
	0.15240E-02	0.87595E+00	
	0.30619E+00	0.57605E+00	
	0.61086E+00	0.31756E+00	
	0.91552E+00	0.11285E+00	
	0.34962E+01	0.86813E-03	
	0.60769E+01	0.27305E-06	
	0.86575E+01	0.32874E-11	
	0.11238E+02	0.58534E-14	
	0.13819E+02	0.69251E-16	
	0.16400E+02	0.31839E-18	
	0.18980E+02	0.51302E-21	
	0.21561E+02	0.25496E-24	
	0.24142E+02	0.38483E-28	
	0.26722E+02	0.37371E-31	
	0.29303E+02	0.14897E-33	
	0.31884E+02	0.32774E-36	
	0.34464E+02	0.36854E-39	
	0.37045E+02	0.20243E-42	
	0.39626E+02	0.67957E-46	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.10000E+01	0.21782E+00
	0.15240E-02	0.93033E+00	
	0.30619E+00	0.62030E+00	
	0.61086E+00	0.37176E+00	
	0.91552E+00	0.15627E+00	
	0.34962E+01	0.35835E-02	
	0.60769E+01	0.77154E-05	
	0.86575E+01	0.13987E-08	
	0.11238E+02	0.84681E-13	
	0.13819E+02	0.23614E-14	
	0.16400E+02	0.44725E-16	
	0.18980E+02	0.44603E-18	
	0.21561E+02	0.17508E-20	
	0.24142E+02	0.31158E-23	
	0.26722E+02	0.21572E-26	
	0.29303E+02	0.12034E-29	
	0.31884E+02	0.84183E-32	
	0.34464E+02	0.64056E-34	
	0.37045E+02	0.30536E-36	
	0.39626E+02	0.87883E-39	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.10000E+01	0.25041E+00
	0.15240E-02	0.89935E+00	
	0.30619E+00	0.64894E+00	
	0.61086E+00	0.40994E+00	
	0.91552E+00	0.19241E+00	
	0.34962E+01	0.85793E-02	
	0.60769E+01	0.58955E-04	

		0.31884E+02	0.75156E-23
		0.34464E+02	0.35568E-25
		0.37045E+02	0.10780E-27
		0.39626E+02	0.57806E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.10000E+01	0.33847E+00
	0.15240E-02	0.91396E+00	
	0.30619E+00	0.69713E+00	
	0.61086E+00	0.48086E+00	
	0.91552E+00	0.27178E+00	
	0.34962E+01	0.33522E-01	
	0.60769E+01	0.13126E-02	
	0.86575E+01	0.15896E-04	
	0.11238E+02	0.54947E-07	
	0.13819E+02	0.54471E-10	
	0.16400E+02	0.81504E-13	
	0.18980E+02	0.68668E-14	
	0.21561E+02	0.51236E-15	
	0.24142E+02	0.27174E-16	
	0.26722E+02	0.10031E-17	
	0.29303E+02	0.25162E-19	
	0.31884E+02	0.41712E-21	
	0.34464E+02	0.44294E-23	
	0.37045E+02	0.29233E-25	
	0.39626E+02	0.12484E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.10000E+01	0.36576E+00
	0.15240E-02	0.91701E+00	
	0.30619E+00	0.70751E+00	
	0.61086E+00	0.49721E+00	
	0.91552E+00	0.29198E+00	
	0.34962E+01	0.43641E-01	
	0.60769E+01	0.24077E-02	
	0.86575E+01	0.45870E-04	
	0.11238E+02	0.29193E-06	
	0.13819E+02	0.61034E-09	
	0.16400E+02	0.56346E-12	
	0.18980E+02	0.20103E-13	
	0.21561E+02	0.20087E-14	
	0.24142E+02	0.15009E-15	
	0.26722E+02	0.82146E-17	
	0.29303E+02	0.32324E-18	
	0.31884E+02	0.89526E-20	
	0.34464E+02	0.17034E-21	
	0.37045E+02	0.21680E-23	
	0.39626E+02	0.18022E-25	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.10000E+01	0.39233E+00

0.15240E-02	0.91963E+00		
0.30619E+00	0.71645E+00		
0.61086E+00	0.51152E+00		
0.91552E+00	0.31012E+00		
0.34962E+01	0.54115E-01		
0.60769E+01	0.38836E-02		
0.86575E+01	0.10767E-03		
0.11238E+02	0.11173E-05		
0.13819E+02	0.42659E-08		
0.16400E+02	0.62135E-11		
0.18980E+02	0.50162E-13		
0.21561E+02	0.59864E-14		
0.24142E+02	0.58578E-15		
0.26722E+02	0.43648E-16		
0.29303E+02	0.24400E-17		
0.31884E+02	0.10062E-18		
0.34464E+02	0.30034E-20		
0.37045E+02	0.63502E-22		
0.39626E+02	0.92933E-24		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.10000E+01	0.41825E+00
	0.15240E-02	0.92191E+00	
	0.30619E+00	0.72431E+00	
	0.61086E+00	0.52426E+00	
	0.91552E+00	0.32657E+00	
	0.34962E+01	0.64746E-01	
	0.60769E+01	0.57650E-02	
	0.86575E+01	0.21736E-03	
	0.11238E+02	0.13665E-05	
	0.13819E+02	0.21059E-07	
	0.16400E+02	0.53145E-10	
	0.18980E+02	0.14768E-12	
	0.21561E+02	0.14653E-13	
	0.24142E+02	0.17805E-14	
	0.26722E+02	0.17006E-15	
	0.29303E+02	0.12597E-16	
	0.31884E+02	0.71378E-18	
	0.34464E+02	0.20467E-19	
	0.37045E+02	0.96277E-21	
	0.39626E+02	0.22092E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.10000E+01	0.44362E+00
	0.15240E-02	0.92395E+00	
	0.30619E+00	0.73133E+00	
	0.61086E+00	0.53577E+00	
	0.91552E+00	0.34161E+00	
	0.34962E+01	0.75395E-01	
	0.60769E+01	0.60385E-02	
	0.86575E+01	0.39172E-03	
	0.11238E+02	0.84728E-05	
	0.13819E+02	0.80014E-07	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.30619E+00	0.74884E+00	
	0.61086E+00	0.56481E+00	
	0.91552E+00	0.38031E+00	
	0.34962E+01	0.10665E+00	
	0.60769E+01	0.16932E-01	
	0.86575E+01	0.14525E-02	
	0.11238E+02	0.65777E-04	
	0.13819E+02	0.15343E-05	
	0.16400E+02	0.18429E-07	
	0.18980E+02	0.11353E-09	
	0.21561E+02	0.51197E-12	
	0.24142E+02	0.35075E-13	
	0.26722E+02	0.62840E-14	
	0.29303E+02	0.96209E-15	
	0.31884E+02	0.12303E-15	
	0.34464E+02	0.13039E-16	
	0.37045E+02	0.11352E-17	
	0.39626E+02	0.80415E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.30619E+00	0.75380E+00	
	0.61086E+00	0.57311E+00	
	0.91552E+00	0.39152E+00	
	0.34962E+01	0.11669E+00	
	0.60769E+01	0.20475E-01	
	0.86575E+01	0.20238E-02	
	0.11238E+02	0.10985E-03	
	0.13819E+02	0.32251E-05	
	0.16400E+02	0.50745E-07	
	0.18980E+02	0.42609E-09	
	0.21561E+02	0.21330E-11	
	0.24142E+02	0.62017E-13	
	0.26722E+02	0.11686E-13	
	0.29303E+02	0.20193E-14	
	0.31884E+02	0.29564E-15	
	0.34464E+02	0.36406E-16	
	0.37045E+02	0.37423E-17	
	0.39626E+02	0.31845E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.30619E+00	0.75843E+00	
	0.61086E+00	0.58087E+00	

0.16400E+02	0.32736E-09
0.18980E+02	0.74438E-12
0.21561E+02	0.31282E-13
0.24142E+02	0.44933E-14
0.26722E+02	0.52636E-15
0.29303E+02	0.49102E-16
0.31884E+02	0.36065E-17
0.34464E+02	0.20594E-18
0.37045E+02	0.90124E-20
0.39626E+02	0.29749E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.34962E+01	0.85588E-01	
	0.60769E+01	0.10679E-01	
	0.86575E+01	0.64672E-03	
	0.11238E+02	0.18561E-04	
	0.13819E+02	0.24843E-06	
	0.16400E+02	0.15366E-08	
	0.18980E+02	0.46382E-11	
	0.21561E+02	0.63728E-13	
	0.24142E+02	0.98385E-14	
	0.26722E+02	0.13668E-14	
	0.29303E+02	0.15457E-15	
	0.31884E+02	0.14088E-16	
	0.34464E+02	0.10240E-17	
	0.37045E+02	0.58653E-19	
	0.39626E+02	0.26122E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55589E+00	
	0.91552E+00	0.36833E+00	
	0.34962E+01	0.96400E-01	
	0.60769E+01	0.13655E-01	
	0.86575E+01	0.99645E-03	
	0.11238E+02	0.36451E-04	
	0.13819E+02	0.65799E-06	
	0.16400E+02	0.58063E-08	
	0.18980E+02	0.25306E-10	
	0.21561E+02	0.15159E-12	
	0.24142E+02	0.19313E-13	
	0.26722E+02	0.30948E-14	
	0.29303E+02	0.41197E-15	
	0.31884E+02	0.45056E-16	
	0.34464E+02	0.40143E-17	
	0.37045E+02	0.28826E-18	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.58668E+00
	0.15240E-02	0.93298E+00	
	0.30619E+00	0.76275E+00	
	0.61086E+00	0.58816E+00	
	0.91552E+00	0.41200E+00	
	0.34962E+01	0.13609E+00	
	0.60769E+01	0.28227E-01	
	0.86575E+01	0.35342E-02	
	0.11238E+02	0.26082E-03	
	0.13819E+02	0.11828E-04	
	0.16400E+02	0.27600E-06	
	0.18980E+02	0.38998E-08	
	0.21561E+02	0.31867E-10	
	0.24142E+02	0.27899E-12	
	0.26722E+02	0.33253E-13	
	0.29303E+02	0.69459E-14	
	0.31884E+02	0.12704E-14	
	0.34464E+02	0.20015E-15	
	0.37045E+02	0.27001E-16	
	0.39626E+02	0.30989E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.60929E+00
	0.15240E-02	0.93414E+00	
	0.30619E+00	0.76682E+00	
	0.61086E+00	0.59503E+00	
	0.91552E+00	0.42141E+00	
	0.34962E+01	0.14544E+00	
	0.60769E+01	0.32377E-01	
	0.86575E+01	0.44786E-02	
	0.11238E+02	0.37619E-03	
	0.13819E+02	0.18918E-04	
	0.16400E+02	0.56445E-06	
	0.18980E+02	0.99351E-08	
	0.21561E+02	0.10334E-09	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.24142E+02	0.81624E-12		
0.26722E+02	0.53091E-13		
0.29302E+02	0.11692E-13		
0.31884E+02	0.23454E-14		
0.34464E+02	0.40935E-15		
0.37045E+02	0.61807E-16		
0.39626E+02	0.80274E-17		
0.1000E+03	0.00000E+00	0.10000E+01	0.63161E+00
0.15240E-02	0.93524E+00		
0.30619E+00	0.77066E+00		
0.61086E+00	0.60153E+00		
0.91552E+00	0.43033E+00		
0.34962E+01	0.15454E+00		
0.60769E+01	0.36673E-01		
0.86575E+01	0.55495E-02		
0.11238E+02	0.52375E-03		
0.13819E+02	0.30405E-04		
0.16400E+02	0.10761E-05		
0.18980E+02	0.23085E-07		
0.21561E+02	0.29974E-09		
0.24142E+02	0.25990E-11		
0.26722E+02	0.86359E-13		
0.29303E+02	0.18707E-13		
0.31884E+02	0.40722E-14		
0.34464E+02	0.77877E-15		
0.37045E+02	0.13002E-15		
0.39626E+02	0.18853E-16		
0.1050E+03	0.00000E+00	0.10000E+01	0.65365E+00
0.15240E-02	0.93627E+00		
0.30619E+00	0.77420E+00		
0.61086E+00	0.60769E+00		
0.91552E+00	0.43881E+00		
0.34962E+01	0.16342E+00		
0.60769E+01	0.41093E-01		
0.86575E+01	0.67451E-02		
0.11238E+02	0.70740E-03		
0.13819E+02	0.46764E-04		
0.16400E+02	0.19316E-05		
0.18980E+02	0.49566E-07		
0.21561E+02	0.78791E-09		
0.24142E+02	0.80687E-11		
0.26722E+02	0.15430E-12		
0.29303E+02	0.28727E-13		
0.31884E+02	0.67090E-14		
0.34464E+02	0.13929E-14		
0.37045E+02	0.25451E-15		
0.39626E+02	0.40734E-16		
0.1200E+03	0.00000E+00	0.10000E+01	0.71825E+00
0.15240E-02	0.93908E+00		
0.30619E+00	0.78415E+00		
0.61086E+00	0.62445E+00		
0.91552E+00	0.46200E+00		
0.34962E+01	0.18869E+00		
0.60769E+01	0.54990E-01		
0.86575E+01	0.11046E-01		
0.11238E+02	0.15083E-02		
0.13819E+02	0.13798E-03		
0.16400E+02	0.83882E-05		
0.18980E+02	0.33687E-06		
0.21561E+02	0.89042E-08		
0.24142E+02	0.15513E-09		
0.26722E+02	0.20172E-11		
0.29303E+02	0.95789E-13		
0.31884E+02	0.23464E-13		
0.34464E+02	0.59547E-14		
0.37045E+02	0.13594E-14		
0.39626E+02	0.27746E-15		
0.1250E+03	0.00000E+00	0.10000E+01	0.73931E+00
0.15240E-02	0.93932E+00		
0.30619E+00	0.78714E+00		
0.61086E+00	0.62955E+00		
0.91552E+00	0.46907E+00		
0.34962E+01	0.19668E+00		
0.60769E+01	0.59614E-01		
0.86575E+01	0.12703E-01		
0.11238E+02	0.18677E-02		
0.13819E+02	0.18715E-03		
0.16400E+02	0.12677E-04		
0.18980E+02	0.57714E-06		
0.21561E+02	0.17594E-07		
0.24142E+02	0.35892E-09		
0.26722E+02	0.51935E-11		
0.29303E+02	0.15539E-12		
0.31884E+02	0.33485E-13		
0.34464E+02	0.89454E-14		
0.37045E+02	0.21718E-14		
0.39626E+02	0.47407E-15		
0.1270E+03	0.00000E+00	0.10000E+01	0.74768E+00
0.15240E-02	0.94026E+00		
0.30619E+00	0.78830E+00		
0.61086E+00	0.63152E+00		
0.91552E+00	0.47182E+00		
0.34962E+01	0.19982E+00		
0.60769E+01	0.61515E-01		
0.86575E+01	0.13394E-01		
0.11238E+02	0.20252E-02		
0.13819E+02	0.21005E-03		
0.16400E+02	0.14821E-04		
0.18980E+02	0.70755E-06		
0.21561E+02	0.22765E-07		
0.24142E+02	0.49309E-09		
0.26722E+02	0.75078E-11		
0.29303E+02	0.19424E-12		
0.1100E+03	0.00000E+00	0.10000E+01	0.67543E+00
0.15240E-02	0.93726E+00		
0.30619E+00	0.77775E+00		
0.61036E+00	0.61355E+00		
0.91552E+00	0.44689E+00		
0.34962E+01	0.17206E+00		
0.60769E+01	0.45614E-01		
0.86575E+01	0.80624E-02		
0.11238E+02	0.93068E-03		
0.13819E+02	0.69240E-04		
0.16400E+02	0.32914E-05		
0.18980E+02	0.99395E-07		
0.21561E+02	0.19004E-08		
0.24142E+02	0.23368E-10		
0.26722E+02	0.32306E-12		
0.29303E+02	0.42855E-13		
0.31884E+02	0.10566E-13		
0.34464E+02	0.23625E-14		
0.37045E+02	0.46830E-15		
0.39626E+02	0.81928E-16		
0.1150E+03	0.00000E+00	0.10000E+01	0.69696E+00
0.15240E-02	0.93819E+00		
0.30619E+00	0.78103E+00		
0.61086E+00	0.61913E+00		
0.91552E+00	0.45461E+00		
0.34962E+01	0.18048E+00		
0.60769E+01	0.50218E-01		
0.86575E+01	0.94975E-02		
0.11238E+02	0.11967E-02		
0.13819E+02	0.99177E-04		
0.16400E+02	0.53598E-05		
0.18980E+02	0.18781E-06		
0.21561E+02	0.42517E-08		
0.24142E+02	0.62543E-10		
0.26722E+02	0.78109E-12		
0.29303E+02	0.63325E-13		
0.31884E+02	0.16007E-13		
0.34464E+02	0.38268E-14		
0.37045E+02	0.81672E-15		
0.39626E+02	0.15489E-15		
0.1200E+03	0.00000E+00	0.10000E+01	0.71825E+00
0.15240E-02	0.93908E+00		
0.30619E+00	0.78415E+00		
0.61086E+00	0.62445E+00		
0.91552E+00	0.46200E+00		
0.34962E+01	0.18869E+00		
0.60769E+01	0.54990E-01		
0.86575E+01	0.11046E-01		
0.11238E+02	0.15083E-02		
0.13819E+02	0.13798E-03		
0.16400E+02	0.83882E-05		
0.18980E+02	0.33687E-06		
0.21561E+02	0.89042E-08		
0.24142E+02	0.15513E-09		
0.26722E+02	0.20172E-11		
0.29303E+02	0.95789E-13		
0.31884E+02	0.23464E-13		
0.34464E+02	0.59547E-14		
0.37045E+02	0.13594E-14		
0.39626E+02	0.27746E-15		
0.1300E+03	0.00000E+00	0.10000E+01	0.76016E+00
0.15240E-02	0.94075E+00		
0.30619E+00	0.79000E+00		
0.61086E+00	0.63443E+00		
0.91552E+00	0.47586E+00		
0.34962E+01	0.20447E+00		
0.60769E+01	0.64378E-01		
0.86575E+01	0.14462E-01		
0.11238E+02	0.22767E-02		
0.13819E+02	0.24814E-03		
0.16400E+02	0.18573E-04		
0.18980E+02	0.94944E-06		
0.21561E+02	0.33018E-07		
0.24142E+02	0.77992E-09		
0.26722E+02	0.12865E-10		
0.29303E+02	0.28140E-12		
0.31884E+02	0.46907E-13		
0.34464E+02	0.13028E-13		
0.37045E+02	0.33466E-14		
0.39626E+02	0.77698E-15		
0.1310E+03	0.00000E+00	0.10000E+01	0.76431E+00
0.15240E-02	0.94091E+00		
0.30619E+00	0.79056E+00		
0.61086E+00	0.63538E+00		
0.91552E+00	0.47719E+00		
0.34962E+01	0.20600E+00		
0.60769E+01	0.65345E-01		
0.86575E+01	0.14826E-01		
0.11238E+02	0.23646E-02		
0.13819E+02	0.26189E-03		
0.16400E+02	0.19980E-04		
0.18980E+02	0.10442E-05		
0.21561E+02	0.37236E-07		
0.24142E+02	0.90457E-09		
0.26722E+02	0.15332E-10		
0.29303E+02	0.32140E-12		
0.31884E+02	0.50116E-13		
0.34464E+02	0.13999E-13		
0.37045E+02	0.36345E-14		
0.39626E+02	0.85377E-15		

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

Southern Expansion Area - SL35LMN.IN

0.00107
 Ve Darcy Velocity
 NOLAY :No. of Layers

N	8e-05	1	0	0.94	0.001524	1
	0.018	0.36	0	1.91	0.914	3
	0.064	0.41	0	1.69	38.709999	15

ARE ANY LAYERS FRACTURED?

2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 CO - Initial Source Conc.

N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?

N Limited number of depths for results
 N NOTIME:No. of times of interest

28	5	10	15	20	25
	30	35	40	45	50
	55	60	65	70	75
	80	85	90	95	100
	105	110	115	120	125
	127	130	131		

POLLUTE SIMULATION

ANALYSIS COMPLETED

TIME - 11:17:15
 EXECUTION TIME 0: 1

POLLUTEV6 SIMULATION

RUN DATE - 26-7-94
 TIME - 10:30:23

REVISION - 1994/03/01

VERSION 6.0.2

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 LICENSED USER: Andrews Environmental Eng. Inc

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RHU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.10000E+01	0.90941E-01
	0.15240E-02	0.79140E+00	
	0.30619E+00	0.34284E+00	
	0.61086E+00	0.99438E-01	
	0.91552E+00	0.12103E-01	
	0.34962E+01	0.19972E-07	
	0.60769E+01	0.53073E-14	
	0.86575E+01	0.13375E-17	
	0.11238E+02	0.15946E-22	
	0.13819E+02	0.62233E-29	
	0.16400E+02	0.18179E-33	
	0.18980E+02	0.31919E-38	
	0.21561E+02	0.70215E-44	
	0.24142E+02	0.27696E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.10000E+01	0.14167E+00
	0.15240E-02	0.84994E+00	
	0.30619E+00	0.49936E+00	
	0.61086E+00	0.23410E+00	
	0.91552E+00	0.61706E-01	
	0.34962E+01	0.55501E-04	
	0.60769E+01	0.38194E-09	
	0.86575E+01	0.10542E-13	
	0.11238E+02	0.48063E-16	
	0.13819E+02	0.52727E-19	
	0.16400E+02	0.11408E-22	
	0.18980E+02	0.39275E-27	
	0.21561E+02	0.41510E-31	
	0.24142E+02	0.44749E-34	
	0.26722E+02	0.19429E-37	
	0.29303E+02	0.29903E-41	
	0.31884E+02	0.17808E-45	
	0.34464E+02	0.41342E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME DEPTH CONCENTRATION TOTAL FLUX

Southern Expansion Area - SL35LMN.IN

THE DARCY VELOCITY (FLUX) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT DISPERSION	PROPERTIES OF THE MATRIX	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.8000E-04	0.100E+01	0.000E+00	0.9400E+00	0.1524E-02	
2	3	0.18000E-01	0.35000	0.000E+00	1.9100	0.9140E+00	
3	15	0.64000E-01	0.41000	0.000E+00	1.6900	0.3871E+02	

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

INTO SOIL

0.1500E+02	0.0000E+00	0.1000E+01	0.18226E+00
0.15240E-02	0.87595E-00		
0.30619E+00	0.57605E+00		
0.61086E+00	0.31756E+00		
0.91552E+00	0.11285E+00		
0.34962E+01	0.86813E-03		
0.60769E+01	0.27305E-06		
0.86575E+01	0.32874E-11		
0.11238E+02	0.58534E-14		
0.13819E+02	0.69251E-16		
0.16400E+02	0.31839E-18		
0.18980E+02	0.51302E-21		
0.21561E+02	0.25496E-24		
0.24142E+02	0.38483E-28		
0.26722E+02	0.37371E-31		
0.29303E+02	0.14897E-33		
0.31884E+02	0.32774E-36		
0.34464E+02	0.36854E-39		
0.37045E+02	0.20243E-42		
0.39626E+02	0.67957E-46		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.21782E+00
0.15240E-02	0.89033E+00		
0.30619E+00	0.62030E+00		
0.61086E+00	0.37176E+00		
0.91552E+00	0.15627E+00		
0.34962E+01	0.35835E-02		
0.60769E+01	0.77154E-05		
0.86575E+01	0.13987E-08		
0.11238E+02	0.84681E-13		
0.13819E+02	0.23614E-14		
0.16400E+02	0.44725E-16		
0.18980E+02	0.41403E-18		
0.21561E+02	0.17508E-20		
0.24142E+02	0.31158E-23		
0.26722E+02	0.21572E-26		
0.29303E+02	0.12034E-29		
0.31884E+02	0.84103E-32		
0.34464E+02	0.64056E-34		
0.37045E+02	0.30536E-36		
0.39626E+02	0.87883E-39		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.0000E+00	0.1000E+01	0.25041E+00
0.15240E-02	0.89935E+00		
0.30619E+00	0.64894E+00		
0.61086E+00	0.40994E+00		
0.91552E+00	0.19241E+00		
0.34962E+01	0.85793E-02		
0.60769E+01	0.58955E-04		

0.31884E+02	0.75156E-23
0.34464E+02	0.26568E-25
0.37045E+02	0.10780E-27
0.39626E+02	0.57806E-30

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.0000E+00	0.1000E+01	0.33847E+00
0.15240E-02	0.91396E+00		
0.30619E+00	0.69713E+00		
0.61086E+00	0.48086E+00		
0.91552E+00	0.27178E+00		
0.34962E+01	0.33522E-01		
0.60769E+01	0.13326E-02		
0.86575E+01	0.15896E-04		
0.11238E+02	0.54947E-07		
0.13819E+02	0.54471E-10		
0.16400E+02	0.81504E-13		
0.18980E+02	0.68668E-14		
0.21561E+02	0.51236E-15		
0.24142E+02	0.27174E-16		
0.26722E+02	0.10031E-17		
0.29303E+02	0.25162E-19		
0.31884E+02	0.41712E-21		
0.34464E+02	0.44294E-23		
0.37045E+02	0.29233E-25		
0.39626E+02	0.12484E-27		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.0000E+00	0.1000E+01	0.36576E+00
0.15240E-02	0.91701E+00		
0.30619E+00	0.70751E+00		
0.61086E+00	0.49721E+00		
0.91552E+00	0.29198E+00		
0.34962E+01	0.43641E-01		
0.60769E+01	0.24077E-02		
0.86575E+01	0.45970E-04		
0.11238E+02	0.29193E-06		
0.13819E+02	0.61034E-09		
0.16400E+02	0.56346E-12		
0.18980E+02	0.20103E-13		
0.21561E+02	0.20087E-14		
0.24142E+02	0.15009E-15		
0.26722E+02	0.82146E-17		
0.29303E+02	0.32324E-18		
0.31884E+02	0.89526E-20		
0.34464E+02	0.17034E-21		
0.37045E+02	0.21680E-23		
0.39626E+02	0.18022E-25		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.0000E+00	0.1000E+01	0.39233E+00

0.5575E+01	0.56770E-07
0.11238E+02	0.76073E-11
0.13819E+02	0.19625E-13
0.16400E+02	0.83639E-15
0.18980E+02	0.20896E-16
0.21561E+02	0.29176E-18
0.24142E+02	0.21662E-20
0.26722E+02	0.80608E-23
0.29303E+02	0.14137E-25
0.31884E+02	0.13809E-28
0.34464E+02	0.73303E-31
0.37045E+02	0.11014E-32
0.39626E+02	0.12028E-34

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.0000E+00	0.1000E+01	0.28105E+00
0.15240E-02	0.90560E+00		
0.30619E+00	0.66925E+00		
0.61086E+00	0.43877E+00		
0.91552E+00	0.22286E+00		
0.34962E+01	0.23274E-03		
0.60769E+01	0.68446E-06		
0.11238E+02	0.38113E-09		
0.13819E+02	0.11912E-12		
0.16400E+02	0.58437E-14		
0.18980E+02	0.27691E-15		
0.21561E+02	0.82777E-17		
0.24142E+02	0.15098E-18		
0.26722E+02	0.16155E-20		
0.29303E+02	0.96860E-23		
0.31884E+02	0.31027E-25		
0.34464E+02	0.56404E-28		
0.37045E+02	0.26647E-30		
0.39626E+02	0.57651E-32		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.0000E+00	0.1000E+01	0.31030E+00
0.15240E-02	0.91026E+00		
0.30619E+00	0.68471E+00		
0.61086E+00	0.46176E+00		
0.91552E+00	0.24898E+00		
0.34962E+01	0.24037E-01		
0.60769E+01	0.62787E-03		
0.86575E+01	0.41069E-05		
0.11238E+02	0.64836E-08		
0.13819E+02	0.26404E-11		
0.16400E+02	0.23640E-13		
0.18980E+02	0.17365E-14		
0.21561E+02	0.87982E-16		
0.24142E+02	0.29750E-17		
0.26722E+02	0.65293E-19		
0.29303E+02	0.90036E-21		

0.15240E-02	0.91963E+00
0.30619E+00	0.71645E+00
0.61086E+00	0.51152E+00
0.91552E+00	0.31012E+00
0.34962E+01	0.54115E-01
0.60769E+01	0.38836E-02
0.86575E+01	0.10767E-03
0.11238E+02	0.11173E-05
0.13819E+02	0.42659E-08
0.16400E+02	0.62135E-11
0.18980E+02	0.50162E-13
0.21561E+02	0.59864E-14
0.24142E+02	0.58578E-15
0.26722E+02	0.43648E-16
0.29303E+02	0.24400E-17
0.31884E+02	0.10062E-18
0.34464E+02	0.30034E-20
0.37045E+02	0.63502E-22
0.39626E+02	0.92933E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.0000E+00	0.1000E+01	0.41825E+00
0.15240E-02	0.92191E+00		
0.30619E+00	0.72431E+00		
0.61086E+00	0.52426E+00		
0.91552E+00	0.32657E+00		
0.34962E+01	0.64746E-01		
0.60769E+01	0.57650E-02		
0.86575E+01	0.21736E-03		
0.11238E+02	0.33665E-05		
0.13819E+02	0.21059E-07		
0.16400E+02	0.53145E-10		
0.18980E+02	0.14768E-12		
0.21561E+02	0.14653E-13		
0.24142E+02	0.17805E-14		
0.26722E+02	0.17006E-15		
0.29303E+02	0.12597E-16		
0.31884E+02	0.71378E-18		
0.34464E+02	0.30467E-19		
0.37045E+02	0.96277E-21		
0.39626E+02	0.22092E-22		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.0000E+00	0.1000E+01	0.44362E+00
0.15240E-02	0.92395E+00		
0.30619E+00	0.73132E+00		
0.61086E+00	0.53577E+00		
0.91552E+00	0.34161E+00		
0.34962E+01	0.75395E-01		
0.60769E+01	0.80385E-02		
0.86575E+01	0.39172E-03		
0.11238E+02	0.84728E-05		
0.13819E+02	0.80014E-07		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.16400E+02	0.32736E-09		
0.18980E+02	0.74438E-12		
0.21561E+02	0.31282E-13		
0.24142E+02	0.44933E-14		
0.26722E+02	0.52636E-15		
0.29303E+02	0.49102E-16		
0.31884E+02	0.36065E-17		
0.34464E+02	0.20594E-18		
0.37045E+02	0.90124E-20		
0.39626E+02	0.29749E-21		
0.6500E+02	0.00000E+00	0.10000E+01	0.46849E+00
0.15240E+02	0.92578E+00		
0.30619E+00	0.73769E+00		
0.61086E+00	0.54625E+00		
0.91552E+00	0.35548E+00		
0.34962E+01	0.85968E-01		
0.60769E+01	0.10679E-01		
0.86575E+01	0.64672E-03		
0.11238E+02	0.18561E-04		
0.13819E+02	0.24843E-06		
0.16400E+02	0.15366E-09		
0.18980E+02	0.46382E-11		
0.21561E+02	0.63728E-13		
0.24142E+02	0.98385E-14		
0.26722E+02	0.13668E-14		
0.29303E+02	0.15457E-15		
0.31884E+02	0.14088E-16		
0.34464E+02	0.10240E-17		
0.37045E+02	0.58653E-19		
0.39626E+02	0.26122E-20		
0.7000E+02	0.00000E+00	0.10000E+01	0.49290E+00
0.15240E+02	0.92745E+00		
0.30619E+00	0.74349E+00		
0.61086E+00	0.55899E+00		
0.91552E+00	0.36833E+00		
0.34962E+01	0.96400E-01		
0.60769E+01	0.13655E-01		
0.86575E+01	0.99645E-03		
0.11238E+02	0.36451E-04		
0.13819E+02	0.65799E-06		
0.16400E+02	0.58063E-09		
0.18980E+02	0.25306E-10		
0.21561E+02	0.15159E-12		
0.24142E+02	0.19313E-13		
0.26722E+02	0.30948E-14		
0.29303E+02	0.41197E-15		
0.31884E+02	0.45065E-16		
0.34464E+02	0.40143E-17		
0.37045E+02	0.28826E-18		
0.91552E+00	0.40206E+00		
0.34962E+01	0.12651E+00		
0.60769E+01	0.24250E-01		
0.86575E+01	0.27164E-02		
0.11238E+02	0.17348E-03		
0.13819E+02	0.62236E-05		
0.16400E+02	0.12428E-06		
0.18980E+02	0.13741E-08		
0.21561E+02	0.87073E-11		
0.24142E+02	0.11895E-12		
0.26722E+02	0.20247E-13		
0.29303E+02	0.38835E-14		
0.31884E+02	0.63996E-15		
0.34464E+02	0.89837E-16		
0.37045E+02	0.10672E-16		
0.39626E+02	0.10650E-17		
0.9000E+02	0.00000E+00	0.10000E+01	0.58668E+00
0.15240E+02	0.93298E+00		
0.30619E+00	0.76275E+00		
0.61086E+00	0.58816E+00		
0.91552E+00	0.41200E+00		
0.34962E+01	0.13609E+00		
0.60769E+01	0.28227E-01		
0.86575E+01	0.35342E-02		
0.11238E+02	0.26082E-03		
0.13819E+02	0.11182E-04		
0.16400E+02	0.27600E-06		
0.18980E+02	0.38998E-08		
0.21561E+02	0.31867E-10		
0.24142E+02	0.27899E-12		
0.26722E+02	0.33253E-13		
0.29303E+02	0.69459E-14		
0.31884E+02	0.12704E-14		
0.34464E+02	0.20015E-15		
0.37045E+02	0.27001E-16		
0.39626E+02	0.30989E-17		
0.9500E+02	0.00000E+00	0.10000E+01	0.60929E+00
0.15240E+02	0.93414E+00		
0.30619E+00	0.76682E+00		
0.61086E+00	0.59503E+00		
0.91552E+00	0.42141E+00		
0.34962E+01	0.14544E+00		
0.60769E+01	0.32377E-01		
0.86575E+01	0.44786E-02		
0.11238E+02	0.37619E-03		
0.13819E+02	0.18918E-04		
0.16400E+02	0.56445E-06		
0.18980E+02	0.99351E-08		
0.21561E+02	0.10334E-09		
0.1000E+03	0.00000E+00	0.10000E+01	0.63161E+00
0.15240E+02	0.93524E+00		
0.30619E+00	0.77066E+00		
0.61086E+00	0.60153E+00		
0.91552E+00	0.43033E+00		
0.34962E+01	0.15454E+00		
0.60769E+01	0.36673E-01		
0.86575E+01	0.55495E-02		
0.11238E+02	0.52375E-03		
0.13819E+02	0.30405E-04		
0.16400E+02	0.10761E-05		
0.18980E+02	0.23085E-07		
0.21561E+02	0.29974E-09		
0.24142E+02	0.25990E-11		
0.26722E+02	0.86359E-13		
0.29303E+02	0.18707E-13		
0.31884E+02	0.40722E-14		
0.34464E+02	0.77877E-15		
0.37045E+02	0.13002E-15		
0.39626E+02	0.18853E-16		
0.1050E+03	0.00000E+00	0.10000E+01	0.65365E+00
0.15240E+02	0.93627E+00		
0.30619E+00	0.77430E+00		
0.61086E+00	0.60769E+00		
0.91552E+00	0.43881E+00		
0.34962E+01	0.16342E+00		
0.60769E+01	0.41093E-01		
0.86575E+01	0.67451E-02		
0.11238E+02	0.70740E-03		
0.13819E+02	0.46764E-04		
0.16400E+02	0.19316E-05		
0.18980E+02	0.49566E-07		
0.21561E+02	0.78791E-09		
0.24142E+02	0.80687E-11		
0.26722E+02	0.15430E-12		
0.29303E+02	0.28727E-13		
0.31884E+02	0.67090E-14		
0.34464E+02	0.13929E-14		
0.37045E+02	0.25451E-15		
0.39626E+02	0.40734E-16		

Southern Expansion Area - SL3SLMX.IN
 0.00107 Va Darcy Velocity
 3 NOLAY :No. of Layers
 N ARE ANY LAYERS FRACTURED?
 8e-05 1 0 0.94 0.001524 1
 0.018 0.36 0 1.91 0.914 3
 0.064 0.41 0 1.69 38.709999 20
 2 MT - Top Boundary Code
 4 MB - Base Boundary Code
 1 CO - Initial Source Conc.
 N Is there Decay
 N Do you have an initial concentration profile?
 Y Accept default TALBOT parameters?
 N Limited number of depths for results
 28 NOTIME:No. of times of interest
 5 10 15 20 25
 30 35 40 45 50
 55 60 65 70 75
 80 85 90 95 100
 105 110 115 120 125
 127 130 131

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.....
*
* POLLUTEV6 SIMULATION
*
* RUN DATE - 26- 7-88
* TIME - 10:30:43
*
* REVISION - 1994/03/01
*
* VERSION 6.0.2
*
* COPYRIGHT(c) R.K. ROME & J.R. BOOKER 1983-1995
*
* LICENSED USER: Andrews Environmental Eng. Inc
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 Southern Expansion Area - SL3SLMX.IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-02
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC PERMEABILITY	MATRIX POROSITY	DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.3000E-04	0.100E+01	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.1800E-01	0.36000	0.0000E+00	1.9100	0.9140E+00
3	20	0.6400E-01	0.41000	0.0000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2.
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01
 There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.0000E+00	0.1000E+01	0.90941E-01
	0.15240E-02	0.79140E+00	
	0.30619E+00	0.34284E+00	
	0.61086E+00	0.99438E-01	
	0.91552E+00	0.12103E-01	
	0.28510E+01	0.13950E-05	
	0.47865E+01	0.74735E-12	
	0.67220E+01	0.86499E-15	
	0.86575E+01	0.13375E-17	
	0.10593E+02	0.37339E-21	
	0.12529E+02	0.14394E-25	
	0.14464E+02	0.25078E-30	
	0.16400E+02	0.18179E-33	
	0.18335E+02	0.59459E-37	
	0.20271E+02	0.61690E-41	
	0.22206E+02	0.21128E-45	
	0.24142E+02	0.27696E-49	
	0.26077E+02	0.00000E+00	
	0.28013E+02	0.00000E+00	
	0.29948E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.33819E+02	0.00000E+00	
	0.35755E+02	0.00000E+00	
	0.37690E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.0000E+00	0.1000E+01	0.18226E+00
	0.15240E-02	0.87595E+00	
	0.30619E+00	0.57605E+00	
	0.61086E+00	0.31756E+00	
	0.91552E+00	0.11285E+00	
	0.28510E+01	0.39230E-02	
	0.47865E+01	0.23214E-04	
	0.67220E+01	0.21681E-07	
	0.86575E+01	0.32874E-11	
	0.10593E+02	0.15525E-13	
	0.12529E+02	0.71252E-15	
	0.14464E+02	0.19775E-16	
	0.16400E+02	0.31839E-18	
	0.18335E+02	0.28438E-20	
	0.20271E+02	0.13364E-22	
	0.22206E+02	0.31204E-25	
	0.24142E+02	0.38483E-28	
	0.26077E+02	0.14687E-30	
	0.28013E+02	0.25113E-32	
	0.29948E+02	0.34260E-34	
	0.31884E+02	0.32774E-36	
	0.33819E+02	0.21495E-38	
	0.35755E+02	0.94563E-41	
	0.37690E+02	0.27832E-43	
	0.39626E+02	0.67957E-46	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.0000E+00	0.1000E+01	0.14167E+00
	0.15240E-02	0.84994E+00	
	0.30619E+00	0.49936E+00	
	0.61086E+00	0.23410E+00	
	0.91552E+00	0.61706E-01	
	0.28510E+01	0.50062E-03	
	0.47865E+01	0.27141E-06	
	0.67220E+01	0.91674E-11	
	0.86575E+01	0.10542E-13	
	0.10593E+02	0.20997E-15	
	0.12529E+02	0.19236E-17	
	0.14464E+02	0.75133E-20	
	0.16400E+02	0.11408E-22	
	0.18335E+02	0.60864E-26	
	0.20271E+02	0.18484E-29	
	0.22206E+02	0.80091E-32	
	0.24142E+02	0.44749E-34	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.0000E+00	0.1000E+01	0.21782E+00
	0.15240E-02	0.89033E+00	
	0.30619E+00	0.62030E+00	
	0.61086E+00	0.37176E+00	
	0.91552E+00	0.15627E+00	
	0.28510E+01	0.11418E-01	
	0.47865E+01	0.22552E-03	
	0.67220E+01	0.11317E-05	
	0.86575E+01	0.13987E-08	
	0.10593E+02	0.55069E-12	
	0.12529E+02	0.13381E-13	
	0.14464E+02	0.93383E-15	
	0.16400E+02	0.44725E-16	
	0.18335E+02	0.14324E-17	
	0.20271E+02	0.29837E-19	
	0.22206E+02	0.39137E-21	

0.24142E+02 0.31158E-23
 0.26077E+02 0.14533E-25
 0.28013E+02 0.42854E-28
 0.29948E+02 0.29395E-30
 0.31884E+02 0.84183E-32
 0.33819E+02 0.22619E-33
 0.35755E+02 0.47007E-35
 0.37690E+02 0.74255E-37
 0.39626E+02 0.87883E-39

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.2500E+02 0.0000E+00 0.10000E+01 0.25041E+00
 0.15240E-02 0.89935E+00
 0.30619E+00 0.64894E+00
 0.61086E+00 0.40994E+00
 0.91552E+00 0.19241E+00
 0.28510E+01 0.22120E-01
 0.47865E+01 0.90549E-03
 0.67220E+01 0.12514E-04
 0.86575E+01 0.56770E-07
 0.10593E+02 0.83652E-10
 0.12529E+02 0.11670E-12
 0.14464E+02 0.93228E-14
 0.16400E+02 0.83639E-15
 0.18335E+02 0.55409E-16
 0.20271E+02 0.26631E-17
 0.22206E+02 0.91063E-19
 0.24142E+02 0.21662E-20
 0.26077E+02 0.34944E-22
 0.28013E+02 0.37194E-24
 0.29948E+02 0.25693E-26
 0.31884E+02 0.13809E-28
 0.33819E+02 0.21433E-30
 0.35755E+02 0.92171E-32
 0.37690E+02 0.36865E-33
 0.39626E+02 0.12028E-34

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.3000E+02 0.0000E+00 0.10000E+01 0.28105E+00
 0.15240E-02 0.90560E+00
 0.30619E+00 0.66925E+00
 0.61086E+00 0.43877E+00
 0.91552E+00 0.22286E+00
 0.28510E+01 0.34806E-01
 0.47865E+01 0.23236E-02
 0.67220E+01 0.63253E-04
 0.86575E+01 0.68446E-06
 0.10593E+02 0.29015E-08
 0.12529E+02 0.50211E-11
 0.14464E+02 0.46273E-13
 0.16400E+02 0.58437E-14
 0.18335E+02 0.61895E-15
 0.20271E+02 0.50814E-16

0.20271E+02 0.19550E-14
 0.22206E+02 0.25407E-15
 0.24142E+02 0.27174E-16
 0.26077E+02 0.23706E-17
 0.28013E+02 0.16701E-18
 0.29948E+02 0.93972E-20
 0.31884E+02 0.41712E-21
 0.33819E+02 0.14412E-22
 0.35755E+02 0.38239E-24
 0.37690E+02 0.77289E-26
 0.39626E+02 0.12484E-27

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.4500E+02 0.0000E+00 0.10000E+01 0.36576E+00
 0.15240E-02 0.91701E+00
 0.30619E+00 0.70751E+00
 0.61086E+00 0.49721E+00
 0.91552E+00 0.29198E+00
 0.28510E+01 0.76767E-01
 0.47865E+01 0.11672E-01
 0.67220E+01 0.98993E-03
 0.86575E+01 0.45870E-04
 0.10593E+02 0.11468E-05
 0.12529E+02 0.15347E-07
 0.14464E+02 0.10988E-09
 0.16400E+02 0.56346E-12
 0.18335E+02 0.34837E-13
 0.20271E+02 0.65733E-14
 0.22206E+02 0.10803E-14
 0.24142E+02 0.15009E-15
 0.26077E+02 0.17504E-16
 0.28013E+02 0.17003E-17
 0.29948E+02 0.13640E-18
 0.31884E+02 0.89526E-20
 0.33819E+02 0.47578E-21
 0.35755E+02 0.20242E-22
 0.37690E+02 0.68170E-24
 0.39626E+02 0.18022E-25

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.5000E+02 0.0000E+00 0.10000E+01 0.39233E+00
 0.15240E-02 0.91963E+00
 0.30619E+00 0.71645E+00
 0.61086E+00 0.51152E+00
 0.91552E+00 0.31012E+00
 0.28510E+01 0.90681E-01
 0.47865E+01 0.16280E-01
 0.67220E+01 0.17352E-02
 0.86575E+01 0.10767E-03
 0.10593E+02 0.38429E-05
 0.12529E+02 0.78285E-07
 0.14464E+02 0.90635E-09
 0.16400E+02 0.62135E-11

0.22206E+02 0.31908E-17
 0.24142E+02 0.15098E-18
 0.26077E+02 0.52932E-20
 0.28013E+02 0.13490E-21
 0.29948E+02 0.24478E-23
 0.31884E+02 0.31027E-25
 0.33819E+02 0.28016E-27
 0.35755E+02 0.28043E-29
 0.37690E+02 0.39097E-31
 0.39626E+02 0.57651E-32

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.3500E+02 0.0000E+00 0.10000E+01 0.31030E+00
 0.15240E-02 0.91026E+00
 0.30619E+00 0.58471E+00
 0.61086E+00 0.46174E+00
 0.91552E+00 0.24898E+00
 0.28510E+01 0.48522E-01
 0.47865E+01 0.46031E-02
 0.67220E+01 0.20369E-03
 0.86575E+01 0.41069E-05
 0.10593E+02 0.37208E-07
 0.12529E+02 0.15070E-09
 0.14464E+02 0.39823E-12
 0.16400E+02 0.23540E-13
 0.18335E+02 0.34461E-14
 0.20271E+02 0.41049E-15
 0.22206E+02 0.39226E-16
 0.24142E+02 0.29750E-17
 0.26077E+02 0.17695E-18
 0.28013E+02 0.91440E-20
 0.29948E+02 0.28570E-21
 0.31884E+02 0.75156E-23
 0.33819E+02 0.14586E-24
 0.35755E+02 0.20802E-26
 0.37690E+02 0.24971E-28
 0.39626E+02 0.57806E-30

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.4000E+02 0.0000E+00 0.10000E+01 0.33847E+00
 0.15240E-02 0.91396E+00
 0.30619E+00 0.59713E+00
 0.61086E+00 0.48086E+00
 0.91552E+00 0.27178E+00
 0.28510E+01 0.62638E-01
 0.47865E+01 0.77442E-02
 0.67220E+01 0.49389E-03
 0.86575E+01 0.15896E-04
 0.10593E+02 0.25482E-06
 0.12529E+02 0.20185E-08
 0.14464E+02 0.81422E-11
 0.16400E+02 0.81504E-13
 0.18335E+02 0.12494E-13

0.19335E+02 0.97896E-13
 0.20271E+02 0.17392E-13
 0.22206E+02 0.34321E-14
 0.24142E+02 0.58578E-15
 0.26077E+02 0.85771E-16
 0.28013E+02 0.10708E-16
 0.29948E+02 0.11322E-17
 0.31884E+02 0.10062E-18
 0.33819E+02 0.74566E-20
 0.35755E+02 0.45660E-21
 0.37690E+02 0.22882E-22
 0.39626E+02 0.92933E-24

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.5500E+02 0.0000E+00 0.10000E+01 0.41825E+00
 0.15240E-02 0.92191E+00
 0.30619E+00 0.72431E+00
 0.61086E+00 0.52426E+00
 0.91552E+00 0.32657E+00
 0.28510E+01 0.10425E+00
 0.47865E+01 0.21452E-01
 0.67220E+01 0.27577E-02
 0.86575E+01 0.21736E-03
 0.10593E+02 0.10384E-04
 0.12529E+02 0.29843E-06
 0.14464E+02 0.51144E-08
 0.16400E+02 0.53145E-10
 0.18335E+02 0.46840E-12
 0.20271E+02 0.39600E-13
 0.22206E+02 0.88375E-14
 0.24142E+02 0.17805E-14
 0.26077E+02 0.31133E-15
 0.28013E+02 0.47817E-16
 0.29948E+02 0.63057E-17
 0.31884E+02 0.71378E-18
 0.33819E+02 0.68897E-19
 0.35755E+02 0.56200E-20
 0.37690E+02 0.38643E-21
 0.39626E+02 0.22092E-22

TIME DEPTH CONCENTRATION TOTAL FLUX
 INTO SOIL

0.6000E+02 0.0000E+00 0.10000E+01 0.44362E+00
 0.15240E-02 0.92395E+00
 0.30619E+00 0.73133E+00
 0.61086E+00 0.53577E+00
 0.91552E+00 0.34161E+00
 0.28510E+01 0.11541E+00
 0.47865E+01 0.27078E-01
 0.67220E+01 0.40704E-02
 0.86575E+01 0.39172E-03
 0.10593E+02 0.23867E-04
 0.12529E+02 0.91391E-06
 0.14464E+02 0.21887E-07

0.16400E+02 0.32736E-09
 0.18335E+02 0.32850E-11
 0.20271E+02 0.92156E-13
 0.22206E+02 0.19504E-13
 0.24142E+02 0.44933E-14
 0.26077E+02 0.91874E-15
 0.28013E+02 0.16552E-15
 0.29948E+02 0.26154E-16
 0.31884E+02 0.36065E-17
 0.33819E+02 0.43167E-18
 0.35755E+02 0.44581E-19
 0.37690E+02 0.39470E-20
 0.39626E+02 0.29749E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.0000E+00	0.10000E+01	0.46849E+00
	0.15240E-02	0.92578E+00	
	0.30619E+00	0.73769E+00	
	0.61086E+00	0.54625E+00	
	0.91552E+00	0.35548E+00	
	0.28510E+01	0.13012E+00	
	0.47865E+01	0.32063E-01	
	0.67220E+01	0.56746E-02	
	0.86575E+01	0.64672E-03	
	0.10593E+02	0.48415E-04	
	0.12529E+02	0.23639E-05	
	0.14464E+02	0.74914E-07	
	0.16400E+02	0.15366E-08	
	0.18335E+02	0.20714E-10	
	0.20271E+02	0.30430E-12	
	0.22206E+02	0.38887E-13	
	0.24142E+02	0.98385E-14	
	0.26077E+02	0.22913E-14	
	0.28013E+02	0.47190E-15	
	0.29948E+02	0.86598E-16	
	0.31884E+02	0.14088E-16	
	0.33819E+02	0.20158E-17	
	0.35755E+02	0.25269E-18	
	0.37690E+02	0.27603E-19	
	0.39626E+02	0.26122E-20	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.0000E+00	0.10000E+01	0.49290E+00
	0.15240E-02	0.92745E+00	
	0.30619E+00	0.74349E+00	
	0.61086E+00	0.55589E+00	
	0.91552E+00	0.36833E+00	
	0.28510E+01	0.14239E+00	
	0.47865E+01	0.39323E-01	
	0.67220E+01	0.75625E-02	
	0.86575E+01	0.99645E-03	
	0.10593E+02	0.89011E-04	
	0.12529E+02	0.53532E-05	

0.12529E+02 0.20339E-04
 0.14464E+02 0.12114E-05
 0.16400E+02 0.50745E-07
 0.18335E+02 0.14924E-08
 0.20271E+02 0.31164E-10
 0.22206E+02 0.61383E-12
 0.24142E+02 0.62017E-13
 0.26077E+02 0.17694E-13
 0.28013E+02 0.49580E-14
 0.29948E+02 0.12691E-14
 0.31884E+02 0.29564E-15
 0.33819E+02 0.62487E-16
 0.35755E+02 0.11945E-16
 0.37690E+02 0.20580E-17
 0.39626E+02 0.31845E-18

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.0000E+00	0.10000E+01	0.56376E+00
	0.15240E-02	0.93174E+00	
	0.30619E+00	0.75813E+00	
	0.61086E+00	0.58087E+00	
	0.91552E+00	0.40206E+00	
	0.28510E+01	0.17657E+00	
	0.47865E+01	0.59111E-01	
	0.67220E+01	0.14772E-01	
	0.86575E+01	0.27164E-02	
	0.10593E+02	0.36409E-03	
	0.12529E+02	0.35338E-04	
	0.14464E+02	0.24723E-05	
	0.16400E+02	0.12428E-06	
	0.18335E+02	0.44790E-08	
	0.20271E+02	0.11607E-09	
	0.22206E+02	0.23792E-11	
	0.24142E+02	0.11845E-12	
	0.26077E+02	0.30054E-13	
	0.28013E+02	0.90271E-14	
	0.29948E+02	0.25109E-14	
	0.31884E+02	0.63996E-15	
	0.33819E+02	0.14904E-15	
	0.35755E+02	0.31631E-16	
	0.37690E+02	0.60990E-17	
	0.39626E+02	0.10650E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.0000E+00	0.10000E+01	0.58668E+00
	0.15240E-02	0.93298E+00	
	0.30619E+00	0.76275E+00	
	0.61086E+00	0.58816E+00	
	0.91552E+00	0.41200E+00	
	0.28510E+01	0.18714E+00	
	0.47865E+01	0.65884E-01	
	0.67220E+01	0.17625E-01	
	0.86575E+01	0.35342E-02	

0.14464E+02 0.21572E-06
 0.16400E+02 0.58063E-08
 0.18335E+02 0.10466E-09
 0.20271E+02 0.14535E-11
 0.22206E+02 0.77196E-13
 0.24142E+02 0.19313E-13
 0.26077E+02 0.49739E-14
 0.28013E+02 0.11566E-14
 0.29948E+02 0.24141E-15
 0.31884E+02 0.45065E-16
 0.33819E+02 0.74947E-17
 0.35755E+02 0.11058E-17
 0.37690E+02 0.14409E-18
 0.39626E+02 0.16499E-19

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.0000E+00	0.10000E+01	0.51690E+00
	0.15240E-02	0.92899E+00	
	0.30619E+00	0.74884E+00	
	0.61086E+00	0.56481E+00	
	0.91552E+00	0.38031E+00	
	0.28510E+01	0.15421E+00	
	0.47865E+01	0.45788E-01	
	0.67220E+01	0.97201E-02	
	0.86575E+01	0.14525E-02	
	0.10593E+02	0.15123E-03	
	0.12529E+02	0.10897E-04	
	0.14464E+02	0.54083E-06	
	0.16400E+02	0.18429E-07	
	0.18335E+02	0.43080E-09	
	0.20271E+02	0.71824E-11	
	0.22206E+02	0.18566E-12	
	0.24142E+02	0.35075E-13	
	0.26077E+02	0.97774E-14	
	0.28013E+02	0.25135E-14	
	0.29948E+02	0.58530E-15	
	0.31884E+02	0.12303E-15	
	0.33819E+02	0.23269E-16	
	0.35755E+02	0.39453E-17	
	0.37690E+02	0.59732E-18	
	0.39626E+02	0.80415E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.0000E+00	0.10000E+01	0.54051E+00
	0.15240E-02	0.93041E+00	
	0.30619E+00	0.75380E+00	
	0.61086E+00	0.57311E+00	
	0.91552E+00	0.39152E+00	
	0.28510E+01	0.16560E+00	
	0.47865E+01	0.52400E-01	
	0.67220E+01	0.12130E-01	
	0.86575E+01	0.20238E-02	
	0.10593E+02	0.24096E-03	

0.10593E+02 0.52611E-03
 0.12529E+02 0.57837E-04
 0.14464E+02 0.46690E-05
 0.16400E+02 0.27600E-06
 0.18335E+02 0.11920E-07
 0.20271E+02 0.37617E-09
 0.22206E+02 0.89639E-11
 0.24142E+02 0.27899E-12
 0.26077E+02 0.49190E-13
 0.28013E+02 0.15397E-13
 0.29948E+02 0.46048E-14
 0.31884E+02 0.12704E-14
 0.33819E+02 0.32226E-15
 0.35755E+02 0.74981E-16
 0.37690E+02 0.15960E-16
 0.39626E+02 0.30989E-17

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.0000E+00	0.10000E+01	0.60929E+00
	0.15240E-02	0.93414E+00	
	0.30619E+00	0.76682E+00	
	0.61086E+00	0.59503E+00	
	0.91552E+00	0.42141E+00	
	0.28510E+01	0.19734E+00	
	0.47865E+01	0.72686E-01	
	0.67220E+01	0.20669E-01	
	0.86575E+01	0.44786E-02	
	0.10593E+02	0.73289E-03	
	0.12529E+02	0.90006E-04	
	0.14464E+02	0.82590E-05	
	0.16400E+02	0.56445E-06	
	0.18335E+02	0.28666E-07	
	0.20271E+02	0.10808E-08	
	0.22206E+02	0.30609E-10	
	0.24142E+02	0.81624E-12	
	0.26077E+02	0.81508E-13	
	0.28013E+02	0.24902E-13	
	0.29948E+02	0.79241E-14	
	0.31884E+02	0.23454E-14	
	0.33819E+02	0.64184E-15	
	0.35755E+02	0.16202E-15	
	0.37690E+02	0.37641E-16	
	0.39626E+02	0.80274E-17	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+03	0.0000E+00	0.10000E+01	0.63161E+00
	0.15240E-02	0.93524E+00	
	0.30619E+00	0.77066E+00	
	0.61086E+00	0.60153E+00	
	0.91552E+00	0.43033E+00	
	0.28510E+01	0.20718E+00	
	0.47865E+01	0.79493E-01	
	0.67220E+01	0.23884E-01	

0.86575E+01	0.55495E-02			0.67220E+01	0.30751E-01		
0.10593E+02	0.98857E-03			0.65575E+01	0.80624E-02		
0.12529E+02	0.13418E-03			0.10533E+02	0.16631E-02		
0.14464E+02	0.13818E-04			0.12529E+02	0.2685E-03		
0.16400E+02	0.10761E-05			0.14464E+02	0.33726E-04		
0.18335E+02	0.6323E-07			0.16400E+02	0.32914E-05		
0.20271E+02	0.27997E-08			0.18335E+02	0.24885E-06		
0.22206E+02	0.93791E-10			0.20271E+02	0.14553E-07		
0.24142E+02	0.25990E-11			0.22206E+02	0.65015E-09		
0.26077E+02	0.14866E-12			0.24142E+02	0.23368E-10		
0.28013E+02	0.38745E-13			0.26077E+02	0.81629E-12		
0.29948E+02	0.12923E-13			0.28013E+02	0.93043E-13		
0.31884E+02	0.40722E-14			0.29948E+02	0.30281E-13		
0.33819E+02	0.11925E-14			0.31884E+02	0.10566E-13		
0.35755E+02	0.32376E-15			0.33819E+02	0.34740E-14		
0.37690E+02	0.81317E-16			0.35755E+02	0.10681E-14		
0.39626E+02	0.18853E-16			0.37690E+02	0.30648E-15		
				0.39626E+02	0.81928E-16		
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL	TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1050E+03	0.00000E+00	0.10000E+01	0.65365E+00	0.1150E+03	0.00000E+00	0.10000E+01	0.69696E+00
	0.15240E-02	0.93627E+00			0.15240E-02	0.93919E+00	
	0.30619E+00	0.77430E+00			0.30619E+00	0.78013E+00	
	0.61086E+00	0.60769E+00			0.61086E+00	0.61935E+00	
	0.91552E+00	0.43881E+00			0.91552E+00	0.45461E+00	
	0.28510E+01	0.21668E+00			0.28510E+01	0.23473E+00	
	0.47865E+01	0.86282E-01			0.47865E+01	0.99749E-01	
	0.67220E+01	0.27250E-01			0.67220E+01	0.34369E-01	
	0.86575E+01	0.67451E-02			0.86575E+01	0.94975E-02	
	0.10593E+02	0.12975E-02			0.10593E+02	0.20882E-02	
	0.12529E+02	0.19281E-03			0.12529E+02	0.36326E-03	
	0.14464E+02	0.22038E-04			0.14464E+02	0.49787E-04	
	0.16400E+02	0.19316E-05			0.16400E+02	0.53598E-05	
	0.18335E+02	0.12952E-06			0.18335E+02	0.45219E-06	
	0.20271E+02	0.66342E-08			0.20271E+02	0.29848E-07	
	0.22206E+02	0.25985E-09			0.22206E+02	0.15403E-08	
	0.24142E+02	0.80687E-11			0.24142E+02	0.62543E-10	
	0.26077E+02	0.32212E-12			0.26077E+02	0.22114E-11	
	0.28013E+02	0.59220E-13			0.28013E+02	0.15868E-12	
	0.29948E+02	0.20146E-13			0.29948E+02	0.44372E-13	
	0.31884E+02	0.67090E-14			0.31884E+02	0.16007E-13	
	0.33819E+02	0.20880E-14			0.33819E+02	0.55299E-14	
	0.35755E+02	0.60517E-15			0.35755E+02	0.17937E-14	
	0.37690E+02	0.16302E-15			0.37690E+02	0.54505E-15	
	0.39626E+02	0.40734E-16			0.39626E+02	0.15489E-15	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL	TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1100E+03	0.00000E+00	0.10000E+01	0.67543E+00	0.1200E+03	0.00000E+00	0.10000E+01	0.71825E+00
	0.15240E-02	0.93726E+00			0.15240E-02	0.93908E+00	
	0.30619E+00	0.77775E+00			0.30619E+00	0.78415E+00	
	0.61086E+00	0.61355E+00			0.61086E+00	0.62445E+00	
	0.91552E+00	0.44689E+00			0.91552E+00	0.46200E+00	
	0.28510E+01	0.22585E+00			0.28510E+01	0.24331E+00	
	0.47865E+01	0.93039E-01					
	0.67220E+01	0.10640E+00			0.28510E+01	0.25488E+00	
	0.86575E+01	0.38090E-01			0.47865E+01	0.11560E+00	
	0.10593E+02	0.11046E-01			0.67220E+01	0.43445E-01	
	0.12529E+02	0.25751E-02			0.86575E+01	0.13394E-01	
	0.14464E+02	0.47993E-03			0.10593E+02	0.33633E-02	
	0.16400E+02	0.71215E-04			0.12529E+02	0.68409E-03	
	0.18335E+02	0.83882E-05			0.14464E+02	0.11227E-03	
	0.20271E+02	0.78252E-06			0.16400E+02	0.14821E-04	
	0.22206E+02	0.57717E-07			0.18335E+02	0.15706E-05	
	0.24142E+02	0.33625E-08			0.20271E+02	0.13335E-06	
	0.26077E+02	0.15513E-09			0.22206E+02	0.90623E-08	
	0.28013E+02	0.59356E-11			0.24142E+02	0.49309E-09	
	0.29948E+02	0.30908E-12			0.26077E+02	0.21830E-10	
	0.31884E+02	0.64520E-13			0.28013E+02	0.95788E-12	
	0.33819E+02	0.23464E-13			0.29948E+02	0.11403E-12	
	0.35755E+02	0.84693E-14			0.31884E+02	0.38381E-13	
	0.37690E+02	0.28845E-14			0.33819E+02	0.14549E-13	
	0.39626E+02	0.92348E-15			0.35755E+02	0.52677E-14	
		0.27746E-15			0.37690E+02	0.18010E-14	
					0.39626E+02	0.58039E-15	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL	TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1250E+03	0.00000E+00	0.10000E+01	0.73931E+00	0.1300E+03	0.00000E+00	0.10000E+01	0.76016E+00
	0.15240E-02	0.93993E+00			0.15240E-02	0.94075E+00	
	0.30619E+00	0.78714E+00			0.30619E+00	0.79000E+00	
	0.61086E+00	0.62955E+00			0.61086E+00	0.63443E+00	
	0.91552E+00	0.46907E+00			0.91552E+00	0.47586E+00	
	0.28510E+01	0.25163E+00			0.28510E+01	0.25968E+00	
	0.47865E+01	0.11299E+00			0.47865E+01	0.11950E+00	
	0.67220E+01	0.41899E-01			0.67220E+01	0.45784E-01	
	0.86575E+01	0.12703E-01			0.86575E+01	0.14462E-01	
	0.10593E+02	0.31252E-02			0.10593E+02	0.37397E-02	
	0.12529E+02	0.62061E-03			0.12529E+02	0.78743E-03	
	0.14464E+02	0.99074E-04			0.14464E+02	0.13446E-03	
	0.16400E+02	0.12677E-04			0.16400E+02	0.18573E-04	
	0.18335E+02	0.12972E-05			0.18335E+02	0.20699E-05	
	0.20271E+02	0.10597E-06			0.20271E+02	0.18582E-06	
	0.22206E+02	0.69033E-08			0.22206E+02	0.13422E-07	
	0.24142E+02	0.35892E-09			0.24142E+02	0.77992E-09	
	0.26077E+02	0.15219E-10			0.26077E+02	0.36843E-10	
	0.28013E+02	0.68226E-12			0.28013E+02	0.16112E-11	
	0.29948E+02	0.95868E-13			0.29948E+02	0.15167E-12	
	0.31884E+02	0.33485E-13			0.31884E+02	0.46907E-13	
	0.33819E+02	0.12541E-13			0.33819E+02	0.18030E-13	
	0.35755E+02	0.44656E-14			0.35755E+02	0.66852E-14	
	0.37690E+02	0.14996E-14			0.37690E+02	0.23455E-14	
	0.39626E+02	0.47407E-15			0.39626E+02	0.77698E-15	
TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL	TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1270E+03	0.00000E+00	0.10000E+01	0.74768E+00	0.1310E+03	0.00000E+00	0.10000E+01	0.76431E+00
	0.15240E-02	0.94026E+00			0.15240E-02	0.94091E+00	
	0.30619E+00	0.78830E+00			0.30619E+00	0.79056E+00	
	0.61086E+00	0.63152E+00			0.61086E+00	0.63538E+00	
	0.91552E+00	0.47182E+00					

0.91552E+00 0.47719E+00
 0.28510E+01 0.26126E+00
 0.47865E+01 0.12080E+00
 0.67220E+01 0.46569E-01
 0.86575E+01 0.14826E-01
 0.10593E+02 0.38704E-02
 0.12529E+02 0.82411E-03
 0.14464E+02 0.14257E-03
 0.16400E+02 0.19980E-04
 0.18335E+02 0.22632E-05
 0.20271E+02 0.20687E-06
 0.22206E+02 0.15239E-07
 0.24142E+02 0.90457E-09
 0.26077E+02 0.43659E-10
 0.28013E+02 0.19184E-11
 0.29948E+02 0.16811E-12
 0.31884E+02 0.50116E-13
 0.33819E+02 0.19326E-13
 0.35755E+02 0.72205E-14
 0.37690E+02 0.25545E-14
 0.39626E+02 0.85177E-15

EXECUTION TIME 0: 1

NOTICE

ALTHOUGH THIS PROGRAM HAS BEEN TESTED AND EXPERIENCE WOULD INDICATE THAT IT IS ACCURATE WITHIN THE LIMITS GIVEN BY THE ASSUMPTIONS OF THE THEORY USED, WE MAKE NO WARRANTY AS TO WORKABILITY OF THIS SOFTWARE OR ANY OTHER LICENSED MATERIAL. NO WARRANTIES EITHER EXPRESSED OR IMPLIED (INCLUDING WARRANTIES OF FITNESS) SHALL APPLY. NO RESPONSIBILITY IS ASSUMED FOR ANY ERRORS, MISTAKES OR MISREPRESENTATIONS THAT MAY OCCUR FROM THE USE OF THIS COMPUTER PROGRAM. THE USER ACCEPTS FULL RESPONSIBILITY FOR ASSESSING THE VALIDITY AND APPLICABILITY OF THE RESULTS OBTAINED WITH THIS PROGRAM FOR ANY SPECIFIC CASE.

POLLUTE SIMULATION
 ANALYSIS COMPLETED
 TIME 10:30:44

Southern Expansion Area - SVMN, IN
 0.000107 Va Darcy Velocity
 3 NOLAY :No. of Layers

N	8e-05	1	0	0.94	0.001524	1
	0.018	0.36	0	1.91	0.914	3
	0.064	0.41	0	1.69	38.709999	15

ARE ANY LAYERS FRACTURED?

MT - Top Boundary Code
 MB - Base Boundary Code
 CO - Initial Source Conc.
 Is there decay?

Do you have an initial concentration profile?
 Accept default TALBOT parameters?

Limited number of depths for results
 NOTIME:No. of times of interest

28	5	10	15	20	25
	30	35	40	45	50
	55	60	65	70	75
	80	85	90	95	100
	105	110	115	120	125
	127	130	131		

POLLUTE V6 SIMULATION
 RUN DATE - 26- 7-99
 TIME - 10:36:44
 REVISION - 1994/03/01
 VERSION 6.0.2
 COPYRIGHT(c) R.K. ROWE & J.R. BOOKER 1983-1995
 LICENSED USER: Andrews Environmental Eng. Inc

Southern Expansion Area - SVMN, IN

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS Va = 0.1070E-03
 (Positive for down or into the layer)

LAYER NO.	NO. OF SUBLAYER	COEFFICIENT HYDRODYNAMIC DISPERSION	MATRIX POROSITY	PROPERTIES OF THE MATRIX DISTRIBUTION/ PARTITIONING COEFFICIENT	DRY DENSITY	LAYER THICKNESS
1	1	0.8000E-04	0.100E+01	0.0000E+00	0.9400E+00	0.1524E-02
2	3	0.1800E-01	0.36000	0.0000E+00	1.9100	0.9140E+00
3	15	0.6400E-01	0.41000	0.0000E+00	1.6900	0.3871E+02

The TOP and BOTTOM BOUNDARY CONDITIONS are defined by CODES Top = 2 Bottom = 4 See below for details

CODE	TOP	BOTTOM
1 =	Zero Flux	Zero Flux
2 =	C = Const.	C = Const2
3 =	Finite Mass	Fixed Outflow Velocity
4 =		Infinite Bottom Layer

Initial Source Concentration CO = 0.1000E+01

There is no Radioactive or Biological Decay being Considered

The Parameters used to Invert the Laplace Transform are
 TAU = 0.700E+01 N = 20 SIG = 0.000E+00 RNU = 0.200E+01

INTO SOIL

CALCULATED CONCENTRATIONS AT SELECTED DEPTHS AND TIMES

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+01	0.00000E+00	0.10000E+01	0.88505E-01
	0.15240E-02	0.78428E+00	
	0.30619E+00	0.33222E+00	
	0.61086E+00	0.94211E-01	
	0.91552E+00	0.11211E-01	
	0.34962E+01	0.17641E-07	
	0.60769E+01	0.44739E-14	
	0.86575E+01	0.10752E-17	
	0.11238E+02	0.12224E-22	
	0.13819E+02	0.45507E-29	
	0.16400E+02	0.12683E-33	
	0.18980E+02	0.21238E-38	
	0.21561E+02	0.44556E-44	
	0.24142E+02	0.16771E-49	
	0.26722E+02	0.00000E+00	
	0.29303E+02	0.00000E+00	
	0.31884E+02	0.00000E+00	
	0.34464E+02	0.00000E+00	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1000E+02	0.00000E+00	0.10000E+01	0.13678E+00
	0.15240E-02	0.84233E+00	
	0.30619E+00	0.48398E+00	
	0.61086E+00	0.22186E+00	
	0.91552E+00	0.57172E-01	
	0.34962E+01	0.49036E-04	
	0.60769E+01	0.32181E-09	
	0.86575E+01	0.84810E-14	
	0.11238E+02	0.36876E-16	
	0.13819E+02	0.38579E-19	
	0.16400E+02	0.79603E-23	
	0.18980E+02	0.26135E-27	
	0.21561E+02	0.26372E-31	
	0.24142E+02	0.27114E-34	
	0.26722E+02	0.11226E-37	
	0.29303E+02	0.16478E-41	
	0.31884E+02	0.93605E-46	
	0.34464E+02	0.20743E-49	
	0.37045E+02	0.00000E+00	
	0.39626E+02	0.00000E+00	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
	0.86575E+01	0.45645E-07	
	0.11238E+02	0.58338E-11	
	0.13819E+02	0.14389E-13	
	0.16400E+02	0.58478E-15	
	0.18980E+02	0.13933E-16	
	0.21561E+02	0.18552E-18	
	0.24142E+02	0.13135E-20	
	0.26722E+02	0.46614E-23	
	0.29303E+02	0.77961E-26	
	0.31884E+02	0.72664E-29	
	0.34464E+02	0.36858E-31	
	0.37045E+02	0.52819E-33	
	0.39626E+02	0.55010E-35	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3000E+02	0.00000E+00	0.10000E+01	0.26625E+00
	0.15240E-02	0.89760E+00	
	0.30619E+00	0.64807E+00	
	0.61086E+00	0.41606E+00	
	0.91552E+00	0.20663E+00	
	0.34962E+01	0.13762E-01	
	0.60769E+01	0.19626E-03	
	0.86575E+01	0.55043E-06	
	0.11238E+02	0.29231E-09	
	0.13819E+02	0.87297E-13	
	0.16400E+02	0.40882E-14	
	0.18980E+02	0.18475E-15	
	0.21561E+02	0.52669E-17	
	0.24142E+02	0.91613E-19	
	0.26722E+02	0.93480E-21	
	0.29303E+02	0.53449E-23	
	0.31884E+02	0.16327E-25	
	0.34464E+02	0.28316E-28	
	0.37045E+02	0.12788E-30	
	0.39626E+02	0.26395E-32	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.3500E+02	0.00000E+00	0.10000E+01	0.29300E+00
	0.15240E-02	0.90223E+00	
	0.30619E+00	0.66390E+00	
	0.61086E+00	0.43790E+00	
	0.91552E+00	0.23087E+00	
	0.34962E+01	0.21257E-01	
	0.60769E+01	0.52954E-03	
	0.86575E+01	0.33033E-05	
	0.11238E+02	0.49734E-08	
	0.13819E+02	0.19321E-11	
	0.16400E+02	0.16548E-13	
	0.18980E+02	0.11593E-14	
	0.21561E+02	0.56015E-16	
	0.24142E+02	0.18063E-17	
	0.26722E+02	0.37806E-19	
	0.29303E+02	0.49715E-21	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.1500E+02	0.00000E+00	0.10000E+01	0.17490E+00
	0.15240E-02	0.86815E+00	
	0.30619E+00	0.55837E+00	
	0.61086E+00	0.30101E+00	
	0.91552E+00	0.10458E+00	
	0.34962E+01	0.76718E-03	
	0.60769E+01	0.23011E-06	
	0.86575E+01	0.26425E-11	
	0.11238E+02	0.44941E-14	
	0.13819E+02	0.56705E-16	
	0.16400E+02	0.22232E-18	
	0.18980E+02	0.34161E-21	
	0.21561E+02	0.16191E-24	
	0.24142E+02	0.23310E-28	
	0.26722E+02	0.21619E-31	
	0.29303E+02	0.82185E-34	
	0.31884E+02	0.17244E-36	
	0.34464E+02	0.18491E-39	
	0.37045E+02	0.96863E-43	
	0.39626E+02	0.31024E-46	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2000E+02	0.00000E+00	0.10000E+01	0.20798E+00
	0.15240E-02	0.88243E+00	
	0.30619E+00	0.60134E+00	
	0.61086E+00	0.35244E+00	
	0.91552E+00	0.14485E+00	
	0.34962E+01	0.31675E-02	
	0.60769E+01	0.65036E-05	
	0.86575E+01	0.11244E-08	
	0.11238E+02	0.65025E-13	
	0.13819E+02	0.17301E-14	
	0.16400E+02	0.31251E-16	
	0.18980E+02	0.27589E-18	
	0.21561E+02	0.11126E-20	
	0.24142E+02	0.18881E-23	
	0.26722E+02	0.12467E-26	
	0.29303E+02	0.66405E-30	
	0.31884E+02	0.44342E-32	
	0.34464E+02	0.32177E-34	
	0.37045E+02	0.14628E-36	
	0.39626E+02	0.40148E-39	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.2500E+02	0.00000E+00	0.10000E+01	0.23809E+00
	0.15240E-02	0.89139E+00	
	0.30619E+00	0.62915E+00	
	0.61086E+00	0.38868E+00	
	0.91552E+00	0.17837E+00	
	0.34962E+01	0.75848E-02	
	0.60769E+01	0.49704E-04	

	0.31894E+02	0.39574E-23	
	0.34464E+02	0.18362E-25	
	0.37045E+02	0.51635E-28	
	0.39626E+02	0.26471E-30	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4000E+02	0.00000E+00	0.10000E+01	0.31867E+00
	0.15240E-02	0.90591E+00	
	0.30619E+00	0.67597E+00	
	0.61086E+00	0.45604E+00	
	0.91552E+00	0.25204E+00	
	0.34962E+01	0.29650E-01	
	0.60769E+01	0.11241E-02	
	0.86575E+01	0.12788E-04	
	0.11238E+02	0.42156E-07	
	0.13819E+02	0.39857E-10	
	0.16400E+02	0.57046E-13	
	0.18980E+02	0.45869E-14	
	0.21561E+02	0.32640E-15	
	0.24142E+02	0.16509E-16	
	0.26722E+02	0.58120E-18	
	0.29303E+02	0.13903E-19	
	0.31884E+02	0.21978E-21	
	0.34464E+02	0.22256E-23	
	0.37045E+02	0.14007E-25	
	0.39626E+02	0.57063E-28	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.4500E+02	0.00000E+00	0.10000E+01	0.34346E+00
	0.15240E-02	0.90895E+00	
	0.30619E+00	0.68607E+00	
	0.61086E+00	0.47157E+00	
	0.91552E+00	0.27080E+00	
	0.34962E+01	0.38605E-01	
	0.60769E+01	0.20313E-02	
	0.86575E+01	0.36906E-04	
	0.11238E+02	0.22401E-06	
	0.13819E+02	0.44665E-09	
	0.16400E+02	0.39368E-12	
	0.18980E+02	0.13436E-13	
	0.21561E+02	0.12804E-14	
	0.24142E+02	0.91240E-16	
	0.26722E+02	0.47622E-17	
	0.29303E+02	0.17871E-18	
	0.31884E+02	0.47200E-20	
	0.34464E+02	0.85643E-22	
	0.37045E+02	0.10394E-23	
	0.39626E+02	0.82400E-26	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5000E+02	0.00000E+00	0.10000E+01	0.36752E+00

0.15240E-02	0.91155E+00
0.30619E+00	0.69476E+00
0.61086E+00	0.48518E+00
0.91552E+00	0.28764E+00
0.34962E+01	0.47877E-01
0.60769E+01	0.32769E-02
0.86575E+01	0.86644E-04
0.11238E+02	0.85750E-06
0.13819E+02	0.31223E-08
0.16400E+02	0.43381E-11
0.18980E+02	0.33535E-13
0.21561E+02	0.38179E-14
0.24142E+02	0.35629E-15
0.26722E+02	0.25319E-16
0.29303E+02	0.13498E-17
0.31884E+02	0.53084E-19
0.34464E+02	0.15110E-20
0.37045E+02	0.30465E-22
0.39626E+02	0.42516E-24

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.5500E+02	0.00000E+00	0.10000E+01	0.39095E+00
0.15240E-02	0.91155E+00		
0.30619E+00	0.70240E+00		
0.61086E+00	0.49729E+00		
0.91552E+00	0.30292E+00		
0.34962E+01	0.57289E-01		
0.60769E+01	0.48651E-02		
0.86575E+01	0.17494E-03		
0.11238E+02	0.25840E-05		
0.13819E+02	0.15416E-07		
0.16400E+02	0.37105E-10		
0.18980E+02	0.98641E-13		
0.21561E+02	0.93501E-14		
0.24142E+02	0.10876E-14		
0.26722E+02	0.98704E-16		
0.29303E+02	0.69724E-17		
0.31884E+02	0.37677E-18		
0.34464E+02	0.15337E-19		
0.37045E+02	0.46216E-21		
0.39626E+02	0.10113E-22		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6000E+02	0.00000E+00	0.10000E+01	0.41381E+00
0.15240E-02	0.91585E+00		
0.30619E+00	0.70924E+00		
0.61086E+00	0.50823E+00		
0.91552E+00	0.31690E+00		
0.34962E+01	0.66719E-01		
0.60769E+01	0.67846E-02		
0.86575E+01	0.31532E-03		
0.11238E+02	0.65045E-05		
0.13819E+02	0.58582E-07		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7500E+02	0.00000E+00	0.10000E+01	0.47954E+00
0.15240E-02	0.92087E+00		
0.30619E+00	0.72628E+00		
0.61086E+00	0.53585E+00		
0.91552E+00	0.35287E+00		
0.34962E+01	0.94078E-01		
0.60769E+01	0.14296E-01		
0.86575E+01	0.11697E-02		
0.11238E+02	0.50365E-04		
0.13819E+02	0.11238E-05		
0.16400E+02	0.12874E-07		
0.18980E+02	0.75644E-10		
0.21561E+02	0.32596E-12		
0.24142E+02	0.21390E-13		
0.26722E+02	0.36553E-14		
0.29303E+02	0.53374E-15		
0.31884E+02	0.65091E-16		
0.34464E+02	0.65789E-17		
0.37045E+02	0.54623E-18		
0.39626E+02	0.36900E-19		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8000E+02	0.00000E+00	0.10000E+01	0.50063E+00
0.15240E-02	0.92229E+00		
0.30619E+00	0.73111E+00		
0.61086E+00	0.54375E+00		
0.91552E+00	0.36329E+00		
0.34962E+01	0.10331E+00		
0.60769E+01	0.17289E-01		
0.86575E+01	0.16299E-02		
0.11238E+02	0.84377E-04		
0.13819E+02	0.23627E-05		
0.16400E+02	0.35454E-07		
0.18980E+02	0.28392E-09		
0.21561E+02	0.13566E-11		
0.24142E+02	0.37825E-13		
0.26722E+02	0.68012E-14		
0.29303E+02	0.11209E-14		
0.31884E+02	0.15651E-15		
0.34464E+02	0.18380E-16		
0.37045E+02	0.18017E-17		
0.39626E+02	0.14621E-18		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.8500E+02	0.00000E+00	0.10000E+01	0.52137E+00
0.15240E-02	0.92361E+00		
0.30619E+00	0.73561E+00		
0.61086E+00	0.55114E+00		

0.16400E+02	0.22858E-09
0.18980E+02	0.49630E-12
0.21561E+02	0.19971E-13
0.24142E+02	0.27361E-14
0.26722E+02	0.30567E-15
0.29303E+02	0.27194E-16
0.31884E+02	0.19049E-17
0.34464E+02	0.10373E-18
0.37045E+02	0.43289E-20
0.39626E+02	0.13626E-21

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.6500E+02	0.00000E+00	0.10000E+01	0.43616E+00
0.15240E-02	0.91768E+00		
0.30619E+00	0.71542E+00		
0.61086E+00	0.51820E+00		
0.91552E+00	0.32978E+00		
0.34962E+01	0.76083E-01		
0.60769E+01	0.90144E-02		
0.86575E+01	0.52065E-03		
0.11238E+02	0.14251E-04		
0.13819E+02	0.18192E-06		
0.16400E+02	0.10731E-08		
0.18980E+02	0.30902E-11		
0.21561E+02	0.40689E-13		
0.24142E+02	0.59942E-14		
0.26722E+02	0.79420E-15		
0.29303E+02	0.85654E-16		
0.31884E+02	0.74454E-17		
0.34464E+02	0.51609E-18		
0.37045E+02	0.28190E-19		
0.39626E+02	0.11972E-20		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.7000E+02	0.00000E+00	0.10000E+01	0.45806E+00
0.15240E-02	0.91934E+00		
0.30619E+00	0.72107E+00		
0.61086E+00	0.52737E+00		
0.91552E+00	0.34173E+00		
0.34962E+01	0.85325E-01		
0.60769E+01	0.11528E-01		
0.86575E+01	0.90232E-03		
0.11238E+02	0.27991E-04		
0.13819E+02	0.48189E-06		
0.16400E+02	0.40555E-08		
0.18980E+02	0.16859E-10		
0.21561E+02	0.96688E-13		
0.24142E+02	0.11773E-13		
0.26722E+02	0.17993E-14		
0.29303E+02	0.22842E-15		
0.31884E+02	0.23829E-16		
0.34464E+02	0.20243E-17		
0.37045E+02	0.13862E-18		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.91552E+00	0.37310E+00		
0.34962E+01	0.11201E+00		
0.60769E+01	0.20480E-01		
0.86575E+01	0.21881E-02		
0.11238E+02	0.13327E-03		
0.13819E+02	0.45600E-05		
0.16400E+02	0.86842E-07		
0.18980E+02	0.91573E-09		
0.21561E+02	0.55359E-11		
0.24142E+02	0.72197E-13		
0.26722E+02	0.11790E-13		
0.29303E+02	0.21568E-14		
0.31884E+02	0.33896E-15		
0.34464E+02	0.45380E-16		
0.37045E+02	0.51411E-17		
0.39626E+02	0.48928E-18		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9000E+02	0.00000E+00	0.10000E+01	0.54177E+00
0.15240E-02	0.92484E+00		
0.30619E+00	0.73993E+00		
0.61086E+00	0.55808E+00		
0.91552E+00	0.38234E+00		
0.34962E+01	0.12050E+00		
0.60769E+01	0.23842E-01		
0.86575E+01	0.28472E-02		
0.11238E+02	0.20040E-03		
0.13819E+02	0.81943E-05		
0.16400E+02	0.19289E-06		
0.18980E+02	0.25994E-08		
0.21561E+02	0.20260E-10		
0.24142E+02	0.16976E-12		
0.26722E+02	0.19372E-13		
0.29303E+02	0.38596E-14		
0.31884E+02	0.67325E-15		
0.34464E+02	0.10116E-15		
0.37045E+02	0.13014E-16		
0.39626E+02	0.14245E-17		

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
0.9500E+02	0.00000E+00	0.10000E+01	0.56186E+00
0.15240E-02	0.92600E+00		
0.30619E+00	0.74379E+00		
0.61086E+00	0.56462E+00		
0.91552E+00	0.39109E+00		
0.34962E+01	0.12879E+00		
0.60769E+01	0.27350E-01		
0.86575E+01	0.36085E-02		
0.11238E+02	0.28908E-03		
0.13819E+02	0.13865E-04		
0.16400E+02	0.39454E-06		
0.18980E+02	0.66231E-08		
0.21561E+02	0.65704E-10		

INTO SOIL

0.1500E+02	0.0000E+00	0.1000E+01	0.26780E+00
	0.15240E-02	0.93898E+00	
	0.30619E+00	0.74249E+00	
	0.61086E+00	0.49972E+00	
	0.91552E+00	0.22078E+00	
	0.34962E+01	0.27739E-02	
	0.60769E+01	0.14158E-05	
	0.86575E+01	0.27285E-10	
	0.11238E+02	0.67231E-13	
	0.13819E+02	0.12889E-14	
	0.16400E+02	0.96128E-17	
	0.18980E+02	0.25143E-19	
	0.21561E+02	0.20288E-22	
	0.24142E+02	0.48723E-26	
	0.26722E+02	0.66249E-29	
	0.29303E+02	0.42577E-31	
	0.31884E+02	0.15190E-33	
	0.34464E+02	0.27714E-36	
	0.37045E+02	0.24657E-39	
	0.39626E+02	0.12870E-42	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.2000E+02	0.0000E+00	0.1000E+01	0.33409E+00
	0.15240E-02	0.95175E+00	
	0.30619E+00	0.79199E+00	
	0.61086E+00	0.57650E+00	
	0.91552E+00	0.30036E+00	
	0.34962E+01	0.11216E-01	
	0.60769E+01	0.39200E-04	
	0.86575E+01	0.11495E-07	
	0.11238E+02	0.96357E-12	
	0.13819E+02	0.41157E-13	
	0.16400E+02	0.12626E-14	
	0.18980E+02	0.18958E-16	
	0.21561E+02	0.13014E-18	
	0.24142E+02	0.37626E-21	
	0.26722E+02	0.42189E-24	
	0.29303E+02	0.33888E-27	
	0.31884E+02	0.34842E-29	
	0.34464E+02	0.42940E-31	
	0.37045E+02	0.33218E-33	
	0.39626E+02	0.15523E-35	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.2500E+02	0.0000E+00	0.1000E+01	0.39804E+00
	0.15240E-02	0.95937E+00	
	0.30619E+00	0.82257E+00	
	0.61086E+00	0.62845E+00	
	0.91552E+00	0.36449E+00	
	0.34962E+01	0.26357E-01	
	0.60769E+01	0.29386E-03	

	0.31884E+02	0.32107E-20	
	0.34464E+02	0.25396E-22	
	0.37045E+02	0.11865E-24	
	0.39626E+02	0.81484E-27	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.4000E+02	0.0000E+00	0.1000E+01	0.58268E+00
	0.15240E-02	0.97093E+00	
	0.30619E+00	0.87091E+00	
	0.61086E+00	0.71974E+00	
	0.91552E+00	0.49845E+00	
	0.34962E+01	0.98308E-01	
	0.60769E+01	0.63112E-02	
	0.86575E+01	0.12171E-03	
	0.11238E+02	0.67964E-06	
	0.13819E+02	0.10844E-08	
	0.16400E+02	0.19655E-11	
	0.18980E+02	0.24648E-12	
	0.21561E+02	0.29682E-13	
	0.24142E+02	0.25471E-14	
	0.26722E+02	0.15243E-15	
	0.29303E+02	0.62084E-17	
	0.31884E+02	0.16733E-18	
	0.34464E+02	0.28917E-20	
	0.37045E+02	0.31030E-22	
	0.39626E+02	0.20986E-24	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.4500E+02	0.0000E+00	0.1000E+01	0.64278E+00
	0.15240E-02	0.97321E+00	
	0.30619E+00	0.88076E+00	
	0.61086E+00	0.73975E+00	
	0.91552E+00	0.53098E+00	
	0.34962E+01	0.12631E+00	
	0.60769E+01	0.11230E-01	
	0.86575E+01	0.34558E-03	
	0.11238E+02	0.35522E-05	
	0.13819E+02	0.11979E-07	
	0.16400E+02	0.16259E-10	
	0.18980E+02	0.68426E-12	
	0.21561E+02	0.10989E-12	
	0.24142E+02	0.13264E-13	
	0.26722E+02	0.11754E-14	
	0.29303E+02	0.75025E-16	
	0.31884E+02	0.33760E-17	
	0.34464E+02	0.10450E-18	
	0.37045E+02	0.21654E-20	
	0.39626E+02	0.29216E-22	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.5000E+02	0.0000E+00	0.1000E+01	0.70239E+00
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0.86575E+01	0.45792E-06
0.11238E+02	0.98315E-10
0.13819E+02	0.32236E-12
0.16400E+02	0.22162E-13
0.18980E+02	0.89663E-15
0.21561E+02	0.20306E-16
0.24142E+02	0.24482E-18
0.26722E+02	0.14806E-20
0.29303E+02	0.42157E-23
0.31884E+02	0.63435E-26
0.34464E+02	0.44596E-28
0.37045E+02	0.10712E-29
0.39626E+02	0.18980E-31

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.3000E+02	0.0000E+00	0.1000E+01	0.46605E+00
	0.15240E-02	0.96444E+00	
	0.30619E+00	0.84344E+00	
	0.61086E+00	0.66641E+00	
	0.91552E+00	0.41701E+00	
	0.34962E+01	0.47015E-01	
	0.60769E+01	0.11394E-02	
	0.86575E+01	0.34224E-05	
	0.11238E+02	0.48753E-08	
	0.13819E+02	0.20462E-11	
	0.16400E+02	0.14583E-12	
	0.18980E+02	0.11168E-13	
	0.21561E+02	0.54075E-15	
	0.24142E+02	0.16001E-16	
	0.26722E+02	0.27812E-18	
	0.29303E+02	0.27113E-20	
	0.31884E+02	0.14112E-22	
	0.34464E+02	0.40416E-25	
	0.37045E+02	0.24510E-27	
	0.39626E+02	0.81579E-29	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.3500E+02	0.0000E+00	0.1000E+01	0.52198E+00
	0.15240E-02	0.96810E+00	
	0.30619E+00	0.85885E+00	
	0.61086E+00	0.69586E+00	
	0.91552E+00	0.46095E+00	
	0.34962E+01	0.71498E-01	
	0.60769E+01	0.10218E-02	
	0.86575E+01	0.31976E-04	
	0.11238E+02	0.81551E-07	
	0.13819E+02	0.52348E-10	
	0.16400E+02	0.55904E-12	
	0.18980E+02	0.65999E-13	
	0.21561E+02	0.54071E-14	
	0.24142E+02	0.29625E-15	
	0.26722E+02	0.10552E-16	
	0.29303E+02	0.23646E-18	

0.15240E-02	0.97513E+00
0.30619E+00	0.88907E+00
0.61086E+00	0.75693E+00
0.91552E+00	0.55960E+00
0.34962E+01	0.15472E+00
0.60769E+01	0.17851E-01
0.86575E+01	0.79864E-03
0.11238E+02	0.13380E-04
0.13819E+02	0.82423E-07
0.16400E+02	0.19040E-09
0.18980E+02	0.16682E-11
0.21561E+02	0.30975E-12
0.24142E+02	0.48878E-13
0.26722E+02	0.58888E-14
0.29303E+02	0.53340E-15
0.31884E+02	0.35708E-16
0.34464E+02	0.17327E-17
0.37045E+02	0.59632E-19
0.39626E+02	0.14215E-20

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.5500E+02	0.0000E+00	0.1000E+01	0.76157E+00
	0.15240E-02	0.97676E+00	
	0.30619E+00	0.89624E+00	
	0.61086E+00	0.77194E+00	
	0.91552E+00	0.58506E+00	
	0.34962E+01	0.18300E+00	
	0.60769E+01	0.26132E-01	
	0.86575E+01	0.15881E-02	
	0.11238E+02	0.39690E-04	
	0.13819E+02	0.40056E-06	
	0.16400E+02	0.16243E-08	
	0.18980E+02	0.54988E-11	
	0.21561E+02	0.71868E-12	
	0.24142E+02	0.14046E-12	
	0.26722E+02	0.21661E-13	
	0.29303E+02	0.25966E-14	
	0.31884E+02	0.22861E-15	
	0.34464E+02	0.16545E-16	
	0.37045E+02	0.85054E-18	
	0.39626E+02	0.31788E-19	

TIME	DEPTH	CONCENTRATION	TOTAL FLUX INTO SOIL
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0.6000E+02	0.0000E+00	0.1000E+01	0.82040E+00
	0.15240E-02	0.97820E+00	
	0.30619E+00	0.96253E+00	
	0.61086E+00	0.78524E+00	
	0.91552E+00	0.60792E+00	
	0.34962E+01	0.21080E+00	
	0.60769E+01	0.35956E-01	
	0.86575E+01	0.28205E-02	
	0.11238E+02	0.98384E-04	
	0.13819E+02	0.14986E-05	