

## CASE 2:

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                        PESTAN
                        version 4.0, 1992.

Developed by :

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Title: Valencia Aldaia

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Solubility (mg/l) .....: 0.14000E+01
Recharge rate (cm/hr).....: 0.51400E-02
Sorption constant (cc/g).....: 0.25560E+01
Saturated water content .....: 0.43500E+00
Solid-phase decay (/hr) .....: 0.63000E-01
Liquid-phase decay (/hr) .....: 0.10000E-02
Curve coefficient .....: 0.49000E+01
Bulk density (g/cc).....: 0.13350E+01
Dispersion coefficient (cm^2/hr).....: 0.60000E-01
Saturated hydraulic conductivity .....: 0.44200E+01
Minimum depth (cm).....: 0.00000E+00
Maximum depth (cm).....: 0.40000E+03
Minimum time (day).....: 0.00000E+00
Maximum time (day).....: 0.80000E+04
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For application 1 the active ingredient (ai) applied is 0.100E+01 kg  
ai/ha,  
and has been applied 0.000E+00 days prior to recharge

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Results
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Projected water content .....: 0.257E+00
Pore water velocity [cm/hr] .....: 0.200E-01
Pollutant velocity [cm/hr] .....: 0.140E-02
Length of pollutant slug [cm] .....: 0.195E+01
Mass decayed prior to recharge [kg] .....: 0.000E+00
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Time = 0.50E+02 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.18E+00	0.47E+00	0.68E+00
40.000	0.00E+00	0.00E+00	0.00E+00
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00

320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.671E-01  
 Pollutant remaining in solid-phase (kg) = 0.892E+00  
 Total mass of pollutant remaining (kg) = 0.959E+00  
 Liquid-phase decay of pollutant (kg) = 0.840E-01

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Time = 0.10E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.19E+00	0.49E+00	0.70E+00
40.000	0.00E+00	0.00E+00	0.00E+00
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.561E-01  
 Pollutant remaining in solid-phase (kg) = 0.746E+00  
 Total mass of pollutant remaining (kg) = 0.802E+00  
 Liquid-phase decay of pollutant (kg) = 0.147E+00

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Time = 0.15E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.15E+00	0.39E+00	0.56E+00
40.000	0.00E+00	0.00E+00	0.00E+00
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.514E-01  
 Pollutant remaining in solid-phase (kg) = 0.684E+00  
 Total mass of pollutant remaining (kg) = 0.735E+00  
 Liquid-phase decay of pollutant (kg) = 0.211E+00

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Time = 0.50E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.23E-01	0.60E-01	0.86E-01
40.000	0.26E-02	0.66E-02	0.95E-02
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.296E-01  
Pollutant remaining in solid-phase (kg) = 0.393E+00  
Total mass of pollutant remaining (kg) = 0.423E+00  
Liquid-phase decay of pollutant (kg) = 0.556E+00

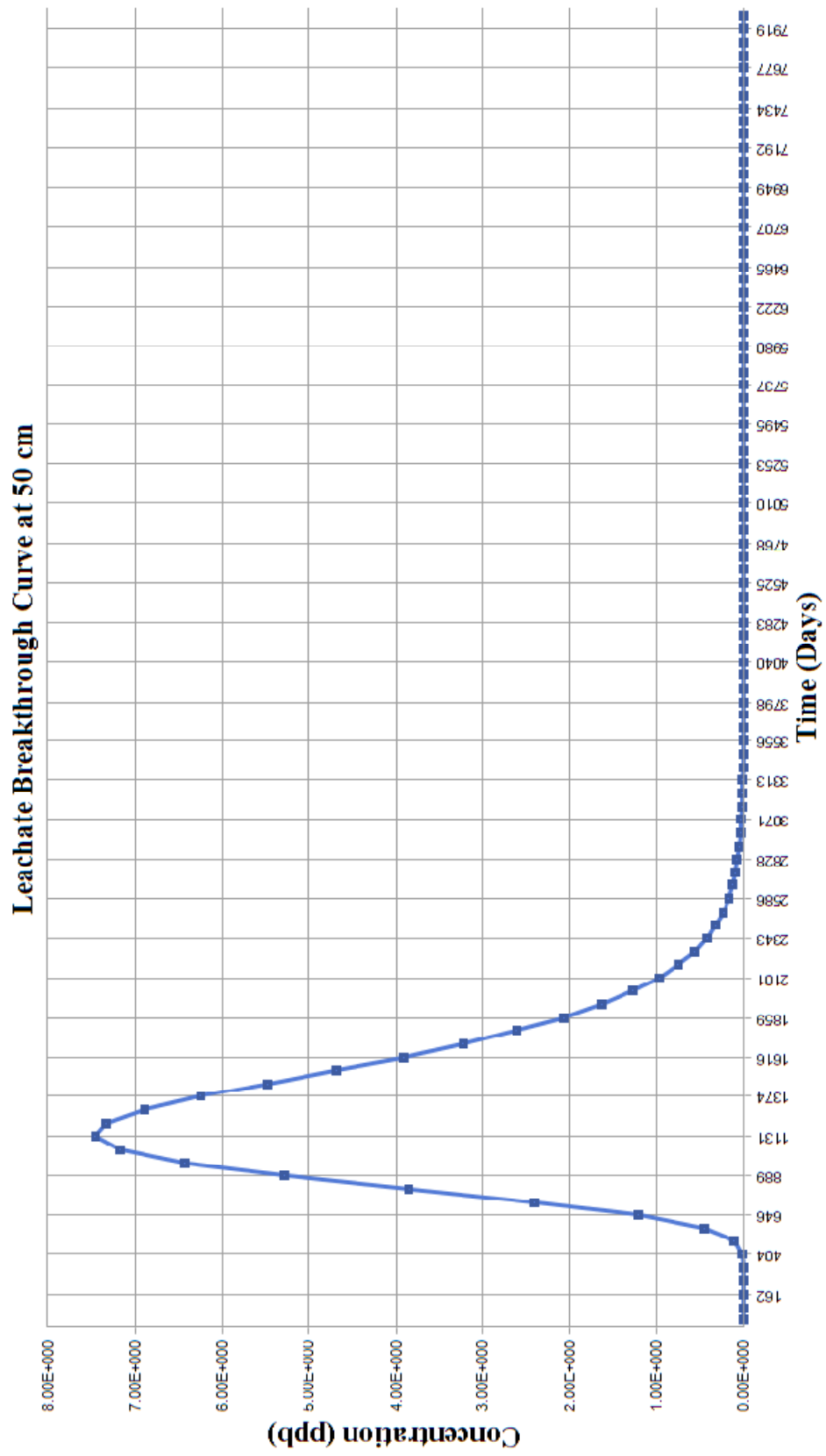
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Time = 0.20E+04 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.15E-04	0.39E-04	0.56E-04
40.000	0.80E-03	0.20E-02	0.29E-02
80.000	0.15E-02	0.38E-02	0.55E-02
120.000	0.53E-04	0.13E-03	0.19E-03
160.000	0.35E-07	0.89E-07	0.13E-06
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

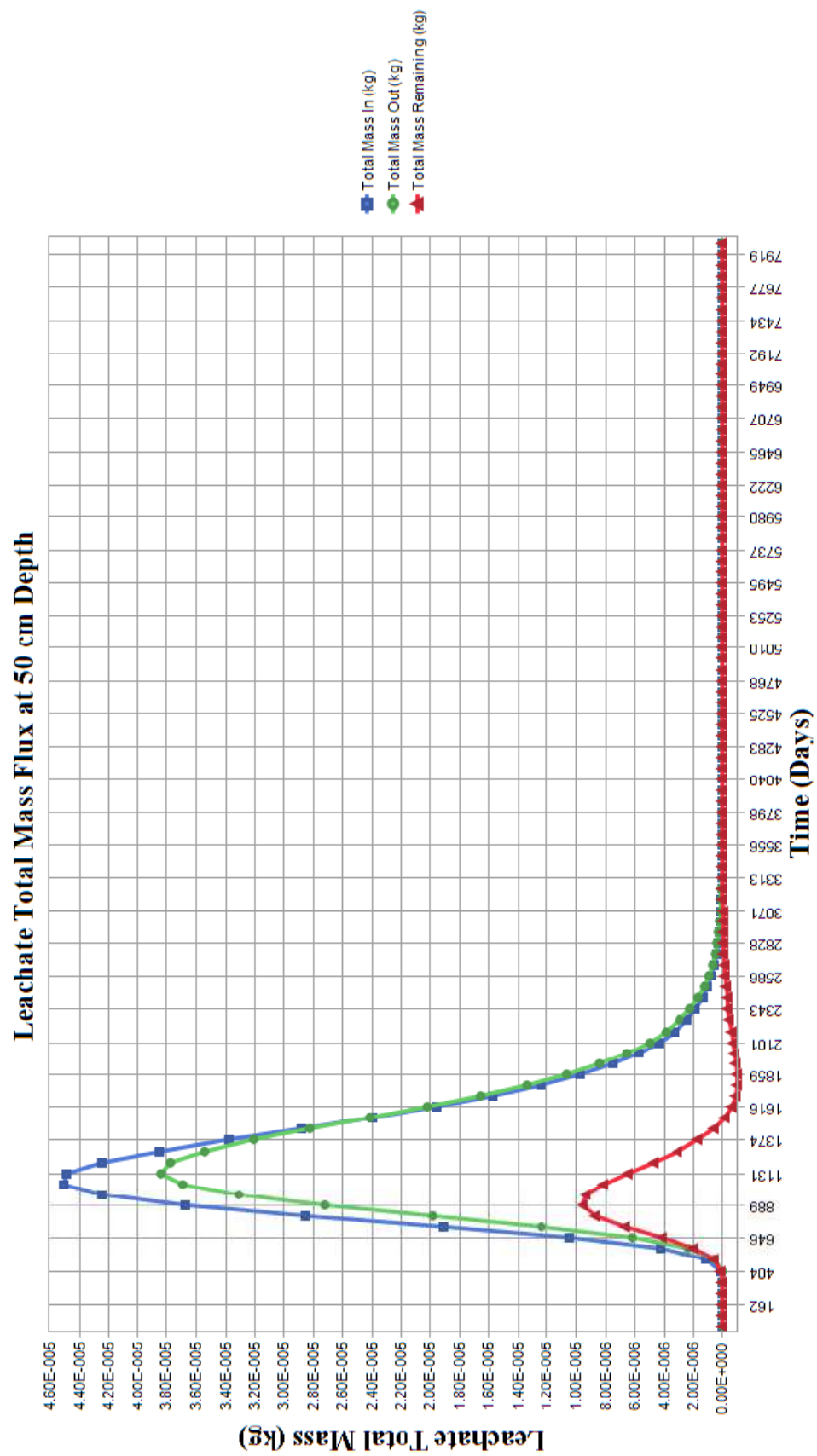
Pollutant remaining in liquid-phase (kg) = 0.244E-02  
Pollutant remaining in solid-phase (kg) = 0.324E-01  
Total mass of pollutant remaining (kg) = 0.348E-01  
Liquid-phase decay of pollutant (kg) = 0.965E+00



Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

1.0000000E-30	0.0000000E+00
80.80808	0.0000000E+00
161.6162	0.0000000E+00
242.4243	0.0000000E+00
323.2323	5.0930236E-04
404.0404	1.1752870E-02
484.8485	0.1054690
565.6566	0.4512711
646.4647	1.216762
727.2728	2.412932
808.0808	3.861023
888.8889	5.287736
969.6970	6.445807
1050.505	7.186294
1131.313	7.470513
1212.121	7.344500
1292.929	6.901482
1373.737	6.248895
1454.546	5.486231
1535.354	4.693604
1616.162	3.928351
1696.970	3.226853
1777.778	2.608204
1858.586	2.078887
1939.394	1.636906
2020.202	1.275179
2101.010	0.9840617
2181.818	0.7530892
2262.626	0.5720590
2343.434	0.4316688
2424.242	0.3237955
2505.051	0.2415810
2585.859	0.1793693
2666.667	0.1325956
2747.475	9.7628526E-02
2828.283	7.1621880E-02
2909.091	5.2368563E-02
2989.899	3.8174853E-02
3070.707	2.7750645E-02
3151.515	2.0121068E-02
3232.323	1.4554617E-02
3313.131	1.0505344E-02
3393.939	7.5670821E-03
3474.748	5.4406156E-03
3555.556	3.9048495E-03
3636.364	2.7979589E-03
3717.172	2.0019396E-03
3797.980	1.4303057E-03
3878.788	1.0205758E-03
3959.596	7.2733057E-04
4040.404	5.1775406E-04
4121.212	3.6815394E-04
4202.021	2.6152501E-04
4282.829	1.8563175E-04
4363.636	1.3160598E-04
4444.444	9.3222901E-05
4525.252	6.6004024E-05
4606.061	4.6699090E-05
4686.869	3.3004442E-05
4767.677	2.3317065E-05
4848.485	1.6458322E-05
4929.293	1.1603071E-05
5010.101	8.1887320E-06
5090.909	5.7703892E-06

5171.717	4.0676323E-06
5252.525	2.8586862E-06
5333.333	2.0098432E-06
5414.142	1.4152553E-06
5494.950	9.9683575E-07
5575.758	6.9775712E-07
5656.566	4.8991626E-07
5737.374	3.4551118E-07
5818.182	2.4422295E-07
5898.990	1.6934253E-07
5979.798	1.1865571E-07
6060.606	8.2884590E-08
6141.414	5.9845739E-08
6222.222	4.0102680E-08
6303.030	2.9710627E-08
6383.838	2.0383142E-08
6464.646	1.4561809E-08
6545.455	9.8893000E-09
6626.263	6.7846107E-09
6707.071	4.8469557E-09
6787.879	3.2916929E-09
6868.687	2.4635807E-09
6949.495	1.7925872E-09
7030.303	5.0086948E-09
7111.111	3.5533883E-09
7191.919	0.0000000E+00
7272.728	0.0000000E+00
7353.536	0.0000000E+00
7434.344	0.0000000E+00
7515.152	0.0000000E+00
7595.960	0.0000000E+00
7676.768	0.0000000E+00
7757.576	0.0000000E+00
7838.384	0.0000000E+00
7919.192	0.0000000E+00
8000.000	0.0000000E+00

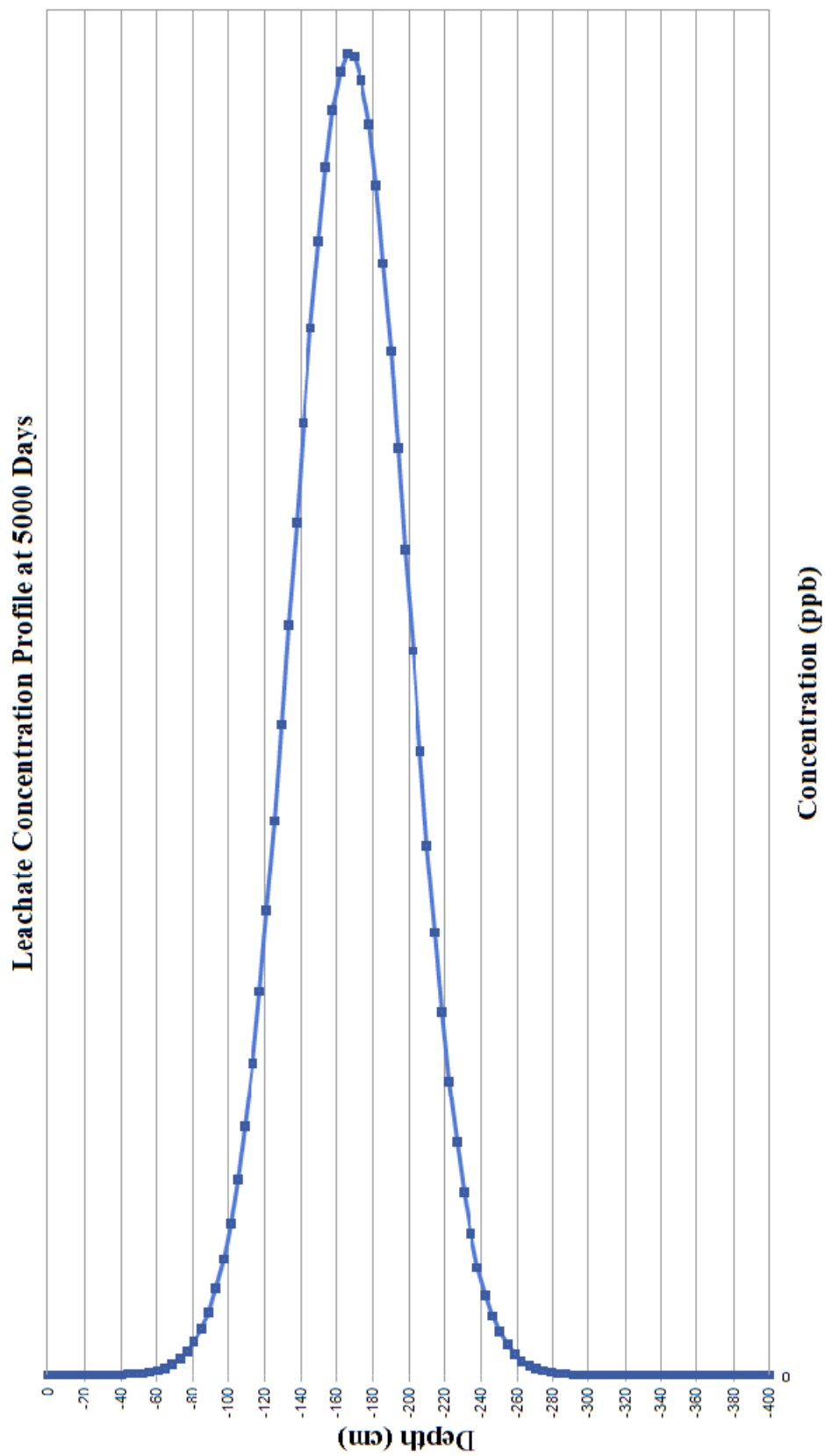


Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

1.0000000E-30	0.0000000E+00	0.0000000E+00	0.0000000E+00
80.80808	2.7624929E-33	0.0000000E+00	2.7624929E-33
161.6162	6.0537915E-17	0.0000000E+00	6.0537915E-17
242.4243	1.0916926E-11	0.0000000E+00	1.0916926E-11
323.2323	5.9970238E-09	2.6178142E-09	3.3792096E-09
404.0404	1.4322717E-07	6.0409747E-08	8.2817429E-08
484.8485	1.1166678E-06	5.4211085E-07	5.7455702E-07
565.6566	4.2626571E-06	2.3195332E-06	1.9431236E-06
646.4647	1.0450147E-05	6.2541585E-06	4.1959884E-06
727.2728	1.9113257E-05	1.2402469E-05	6.7107881E-06
808.0808	2.8521712E-05	1.9845656E-05	8.6760556E-06
888.8889	3.6749425E-05	2.7178963E-05	9.5704609E-06
969.6970	4.2449079E-05	3.3131444E-05	9.3176341E-06
1050.505	4.5109158E-05	3.6937552E-05	8.1716062E-06
1131.313	4.4917822E-05	3.8398433E-05	6.5193904E-06
1212.121	4.2476669E-05	3.7750731E-05	4.7259368E-06
1292.929	3.8530059E-05	3.5473615E-05	3.0564431E-06
1373.737	3.3780543E-05	3.2119322E-05	1.6612223E-06
1454.546	2.8794291E-05	2.8199225E-05	5.9506641E-07
1535.354	2.3973231E-05	2.4125125E-05	-1.5189516E-07
1616.162	1.9566642E-05	2.0191723E-05	-6.2508138E-07
1696.970	1.5702451E-05	1.6586024E-05	-8.8357200E-07
1777.778	1.2420012E-05	1.3406169E-05	-9.8615669E-07
1858.586	9.7015045E-06	1.0685479E-05	-9.8397391E-07
1939.394	7.4960326E-06	8.4136982E-06	-9.1766555E-07
2020.202	5.7371276E-06	6.5544191E-06	-8.1729132E-07
2101.010	4.3544101E-06	5.0580775E-06	-7.0366730E-07
2181.818	3.2806706E-06	3.8708786E-06	-5.9020800E-07
2262.626	2.4555820E-06	2.9403832E-06	-4.8480103E-07
2343.434	1.8273304E-06	2.2187774E-06	-3.9144703E-07
2424.242	1.3527443E-06	1.6643089E-06	-3.1156455E-07
2505.051	9.9674969E-07	1.2417265E-06	-2.4497683E-07
2585.859	7.3135124E-07	9.2195813E-07	-1.9060691E-07
2666.667	5.3458587E-07	6.8154151E-07	-1.4695566E-07
2747.475	3.8941434E-07	5.0181058E-07	-1.1239624E-07
2828.283	2.8277898E-07	3.6813645E-07	-8.5357463E-08
2909.091	2.0475863E-07	2.6917442E-07	-6.4415794E-08
2989.899	1.4788004E-07	1.9621875E-07	-4.8338705E-08
3070.707	1.0654766E-07	1.4263831E-07	-3.6090650E-08
3151.515	7.6599349E-08	1.0342229E-07	-2.6822937E-08
3232.323	5.4958324E-08	7.4810735E-08	-1.9852411E-08
3313.131	3.9359566E-08	5.3997468E-08	-1.4637902E-08
3393.939	2.8138949E-08	3.8894800E-08	-1.0755851E-08
3474.748	2.0086329E-08	2.7964763E-08	-7.8784339E-09
3555.556	1.4316895E-08	2.0070926E-08	-5.7540310E-09
3636.364	1.0190252E-08	1.4381508E-08	-4.1912562E-09
3717.172	7.2445570E-09	1.0289969E-08	-3.0454119E-09
3797.980	5.1439919E-09	7.3517712E-09	-2.2077791E-09
3878.788	3.6486081E-09	5.2457589E-09	-1.5971507E-09
3959.596	2.5853333E-09	3.7384793E-09	-1.1531460E-09
4040.404	1.8302053E-09	2.6612559E-09	-8.3105062E-10
4121.212	1.2944084E-09	1.8923112E-09	-5.9790278E-10
4202.021	9.1476038E-10	1.3442385E-09	-4.2947815E-10
4282.829	6.4610650E-10	9.5414721E-10	-3.0804070E-10
4363.636	4.5582227E-10	6.7645467E-10	-2.2063239E-10
4444.444	3.2134584E-10	4.7916571E-10	-1.5781987E-10
4525.252	2.2650926E-10	3.3926070E-10	-1.1275145E-10
4606.061	1.5957302E-10	2.4003333E-10	-8.0460298E-11
4686.869	1.1228791E-10	1.6964284E-10	-5.7354933E-11
4767.677	7.9006912E-11	1.1984971E-10	-4.0842801E-11
4848.485	5.5539628E-11	8.4595768E-11	-2.9056139E-11
4929.293	3.8987501E-11	5.9639786E-11	-2.0652287E-11
5010.101	2.7423763E-11	4.2090085E-11	-1.4666322E-11
5090.909	1.9252893E-11	2.9659799E-11	-1.0406906E-11



5171.717	1.3528863E-11	2.0907630E-11	-7.3787669E-12
5252.525	9.4656991E-12	1.4693647E-11	-5.2279478E-12
5333.333	6.6290935E-12	1.0330594E-11	-3.7015005E-12
5414.142	4.6554379E-12	7.2744120E-12	-2.6189740E-12
5494.950	3.2718364E-12	5.1237356E-12	-1.8518993E-12
5575.758	2.2777587E-12	3.5864716E-12	-1.3087128E-12
5656.566	1.5938534E-12	2.5181697E-12	-9.2431629E-13
5737.374	1.1234470E-12	1.7759274E-12	-6.5248040E-13
5818.182	7.9495508E-13	1.2553060E-12	-4.6035089E-13
5898.990	5.4578640E-13	8.7042060E-13	-3.2463423E-13
5979.798	3.8106820E-13	6.0989034E-13	-2.2882214E-13
6060.606	2.6481118E-13	4.2602678E-13	-1.6121559E-13
6141.414	1.9407319E-13	3.0760710E-13	-1.1353391E-13
6222.222	1.2620501E-13	2.0612779E-13	-7.9922783E-14
6303.030	9.6472838E-14	1.5271261E-13	-5.6239776E-14
6383.838	6.5209584E-14	1.0476936E-13	-3.9559776E-14
6464.646	4.7030786E-14	7.4847694E-14	-2.7816906E-14
6545.455	3.1278125E-14	5.0831003E-14	-1.9552878E-14
6626.263	2.1133342E-14	3.4872899E-14	-1.3739557E-14
6707.071	1.5261826E-14	2.4913351E-14	-9.6515262E-15
6787.879	1.0141527E-14	1.6919302E-14	-6.7777743E-15
6868.687	7.9045335E-15	1.2662805E-14	-4.7582715E-15
6949.495	5.8742997E-15	9.2138982E-15	-3.3395987E-15
7030.303	2.3401445E-14	2.5744691E-14	-2.3432453E-15
7111.111	1.6620680E-14	1.8264416E-14	-1.6437357E-15
7191.919	-1.1527473E-15	0.0000000E+00	-1.1527473E-15
7272.728	-8.0822841E-16	0.0000000E+00	-8.0822841E-16
7353.536	-5.6653995E-16	0.0000000E+00	-5.6653995E-16
7434.344	-3.9704135E-16	0.0000000E+00	-3.9704135E-16
7515.152	-2.7819220E-16	0.0000000E+00	-2.7819220E-16
7595.960	-1.9487842E-16	0.0000000E+00	-1.9487842E-16
7676.768	-1.3648851E-16	0.0000000E+00	-1.3648851E-16
7757.576	-9.5575102E-17	0.0000000E+00	-9.5575102E-17
7838.384	-6.6913498E-17	0.0000000E+00	-6.6913498E-17
7919.192	-4.6838768E-17	0.0000000E+00	-4.6838768E-17
8000.000	-3.2780893E-17	0.0000000E+00	-3.2780893E-17



Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

0.0000000E+00	-1.0000000E-30
0.0000000E+00	-4.040404
0.0000000E+00	-8.080808
4.7268735E-08	-12.12121
9.4537469E-08	-16.16162
1.7016744E-07	-20.20202
3.1197365E-07	-24.24242
5.4831736E-07	-28.28283
9.3592092E-07	-32.32323
1.5976832E-06	-36.36364
2.6754103E-06	-40.40404
4.4148996E-06	-44.44444
7.1659401E-06	-48.48485
1.1439034E-05	-52.52525
1.7962118E-05	-56.56565
2.7765655E-05	-60.60606
4.2210977E-05	-64.64646
6.3160485E-05	-68.68687
9.2987051E-05	-72.72727
1.3469699E-04	-76.76767
1.9198669E-04	-80.80807
2.6923325E-04	-84.84848
3.7150388E-04	-88.88889
5.0437631E-04	-92.92929
6.7376852E-04	-96.96970
8.8557974E-04	-101.0101
1.1452647E-03	-105.0505
1.4572762E-03	-109.0909
1.8244975E-03	-113.1313
2.2475433E-03	-117.1717
2.7241632E-03	-121.2121
3.2487896E-03	-125.2525
3.8121573E-03	-129.2929
4.4013239E-03	-133.3333
4.9998504E-03	-137.3737
5.5884975E-03	-141.4141
6.1460412E-03	-145.4545
6.6505410E-03	-149.4949
7.0807855E-03	-153.5353
7.4176672E-03	-157.5757
7.6456638E-03	-161.6161
7.7540325E-03	-165.6566
7.7374890E-03	-169.6970
7.5968797E-03	-173.7374
7.3389579E-03	-177.7778
6.9758156E-03	-181.8182
6.5240446E-03	-185.8586
6.0034599E-03	-189.8990
5.4356018E-03	-193.9394
4.8423796E-03	-197.9798
4.2445338E-03	-202.0202
3.6607082E-03	-206.0606
3.1064351E-03	-210.1010
2.5937110E-03	-214.1414
2.1307990E-03	-218.1818
1.7223686E-03	-222.2222
1.3698479E-03	-226.2626
1.0719509E-03	-230.3030
8.2536886E-04	-234.3434
6.2528026E-04	-238.3838
4.6608865E-04	-242.4242
3.4184748E-04	-246.4646
2.4668605E-04	-250.5050
1.7514957E-04	-254.5454

1.2237875E-04	-258.5858
8.4119441E-05	-262.6263
5.6892648E-05	-266.6667
3.7862257E-05	-270.7071
2.4787723E-05	-274.7475
1.5967378E-05	-278.7879
1.0124963E-05	-282.8283
6.3151028E-06	-286.8687
3.8760363E-06	-290.9091
2.3445293E-06	-294.9495
1.3897009E-06	-298.9899
8.1302221E-07	-303.0303
4.7268733E-07	-307.0707
2.6470494E-07	-311.1111
1.4180621E-07	-315.1515
7.5629977E-08	-319.1919
3.7814988E-08	-323.2323
0.0000000E+00	-327.2727
0.0000000E+00	-331.3131
0.0000000E+00	-335.3535
0.0000000E+00	-339.3939
0.0000000E+00	-343.4343
0.0000000E+00	-347.4747
0.0000000E+00	-351.5151
0.0000000E+00	-355.5555
0.0000000E+00	-359.5959
0.0000000E+00	-363.6364
0.0000000E+00	-367.6768
0.0000000E+00	-371.7172
0.0000000E+00	-375.7576
0.0000000E+00	-379.7980
0.0000000E+00	-383.8384
0.0000000E+00	-387.8788
0.0000000E+00	-391.9192
0.0000000E+00	-395.9596
0.0000000E+00	-400.0000

```

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                        PESTAN
                        version 4.0, 1992.

Developed by :

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Center for Subsurface Modeling Support
Robert S. Kerr Environmental Research Laboratory
U.S. Environmental Protection Agency
P.O. Box 1198
Ada, OK 74820
-----

```

Title: Valencia Aldaia

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Solubility (mg/l) .....: 0.14000E+01
Recharge rate (cm/hr).....: 0.51400E-02
Sorption constant (cc/g).....: 0.25560E+01
Saturated water content .....: 0.43500E+00
Solid-phase decay (/hr) .....: 0.63000E-01
Liquid-phase decay (/hr) .....: 0.10000E-02
Curve coefficient .....: 0.49000E+01
Bulk density (g/cc).....: 0.13350E+01
Dispersion coefficient (cm^2/hr).....: 0.60000E-01
Saturated hydraulic conductivity .....: 0.44200E+01
Minimum depth (cm).....: 0.00000E+00
Maximum depth (cm).....: 0.40000E+03
Minimum time (day).....: 0.00000E+00
Maximum time (day).....: 0.80000E+04

```

For application 1 the active ingredient (ai) applied is 0.100E+01 kg  
ai/ha,  
and has been applied 0.000E+00 days prior to recharge

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+++++
Results

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Projected water content .....: 0.257E+00
Pore water velocity [cm/hr] .....: 0.200E-01
Pollutant velocity [cm/hr] .....: 0.140E-02
Length of pollutant slug [cm] .....: 0.195E+01
Mass decayed prior to recharge [kg] .....: 0.000E+00

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Time = 0.50E+02 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.18E+00	0.47E+00	0.68E+00
40.000	0.00E+00	0.00E+00	0.00E+00
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

# MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.671E-01  
Pollutant remaining in solid-phase (kg) = 0.892E+00  
Total mass of pollutant remaining (kg) = 0.959E+00  
Liquid-phase decay of pollutant (kg) = 0.840E-01

+++++

Time = 0.10E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.19E+00	0.49E+00	0.70E+00
40.000	0.00E+00	0.00E+00	0.00E+00
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

# MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.561E-01  
Pollutant remaining in solid-phase (kg) = 0.746E+00  
Total mass of pollutant remaining (kg) = 0.802E+00  
Liquid-phase decay of pollutant (kg) = 0.147E+00

+++++

Time = 0.15E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.15E+00	0.39E+00	0.56E+00
40.000	0.00E+00	0.00E+00	0.00E+00
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

# MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.514E-01  
Pollutant remaining in solid-phase (kg) = 0.684E+00  
Total mass of pollutant remaining (kg) = 0.735E+00  
Liquid-phase decay of pollutant (kg) = 0.211E+00

+++++

Time = 0.50E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.23E-01	0.60E-01	0.86E-01
40.000	0.26E-02	0.66E-02	0.95E-02
80.000	0.00E+00	0.00E+00	0.00E+00
120.000	0.00E+00	0.00E+00	0.00E+00
160.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.296E-01

Pollutant remaining in solid-phase (kg) = 0.393E+00

Total mass of pollutant remaining (kg) = 0.423E+00

Liquid-phase decay of pollutant (kg) = 0.556E+00

+++++

Time = 0.20E+04 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
4.000	0.15E-04	0.39E-04	0.56E-04
40.000	0.80E-03	0.20E-02	0.29E-02
80.000	0.15E-02	0.38E-02	0.55E-02
120.000	0.53E-04	0.13E-03	0.19E-03
160.000	0.35E-07	0.89E-07	0.13E-06
200.000	0.00E+00	0.00E+00	0.00E+00
240.000	0.00E+00	0.00E+00	0.00E+00
280.000	0.00E+00	0.00E+00	0.00E+00
320.000	0.00E+00	0.00E+00	0.00E+00
360.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00

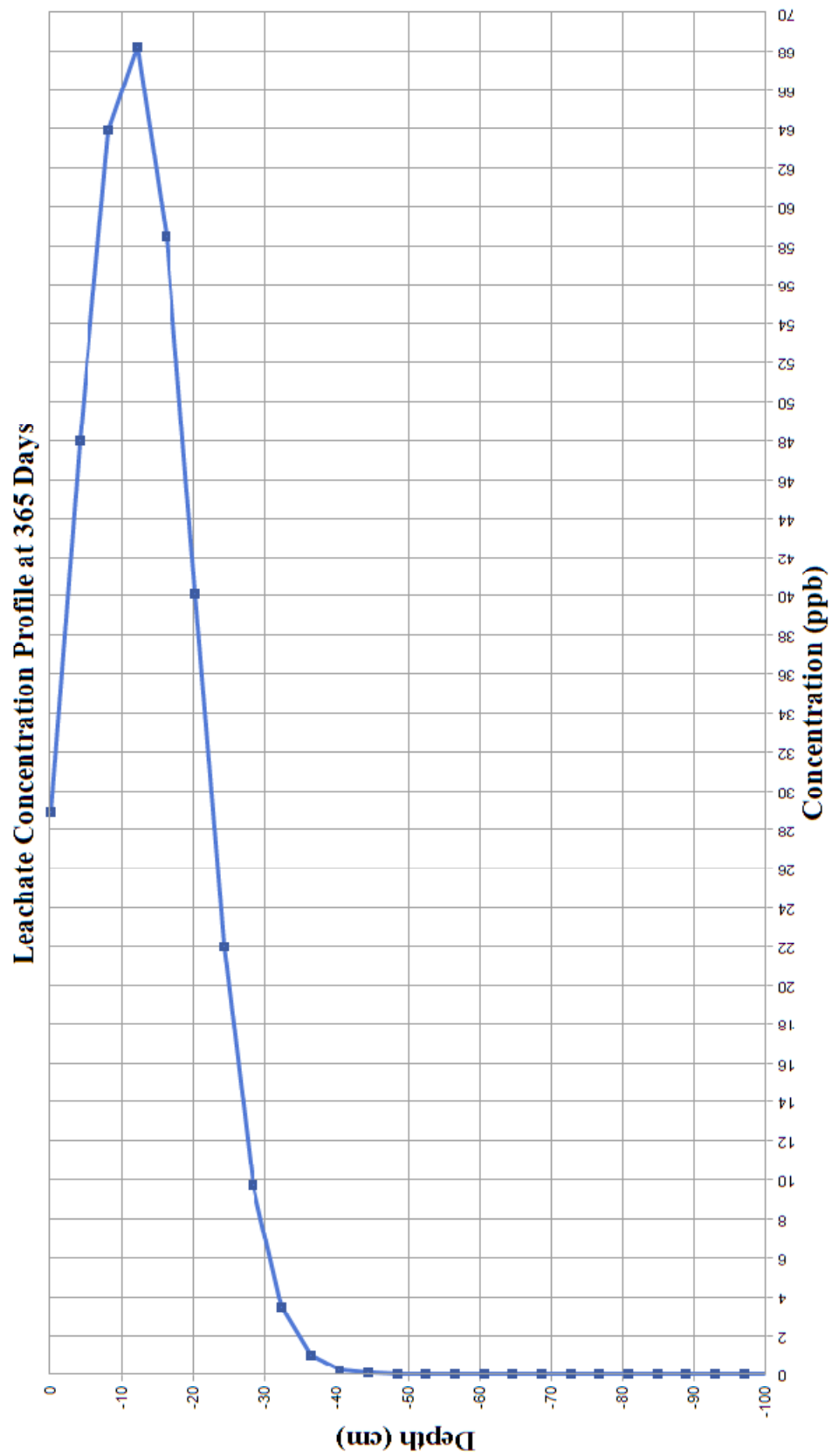
#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.244E-02

Pollutant remaining in solid-phase (kg) = 0.324E-01

Total mass of pollutant remaining (kg) = 0.348E-01

Liquid-phase decay of pollutant (kg) = 0.965E+00

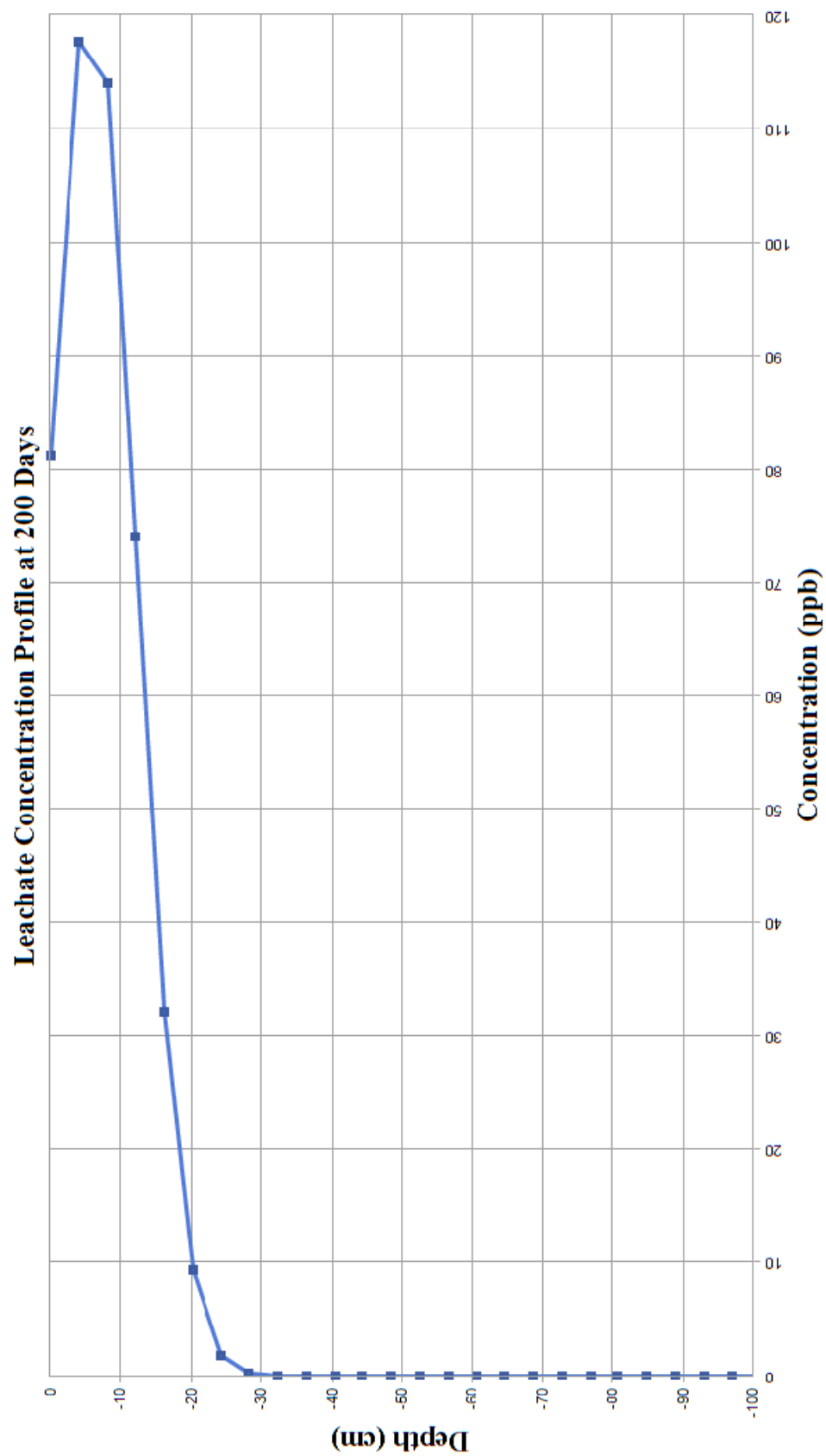


Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam



28.88683	-1.0000000E-30
47.99794	-4.040404
63.93256	-8.080808
68.26487	-12.12121
58.43190	-16.16162
40.09380	-20.20202
22.05374	-24.24242
9.724335	-28.28283
3.437222	-32.32323
0.9739461	-36.36364
0.2212209	-40.40404
4.0269252E-02	-44.44444
5.8787232E-03	-48.48485
7.0092466E-04	-52.52525
0.0000000E+00	-56.56565
0.0000000E+00	-60.60606
0.0000000E+00	-64.64646
0.0000000E+00	-68.68687
0.0000000E+00	-72.72727
0.0000000E+00	-76.76767
0.0000000E+00	-80.80807
0.0000000E+00	-84.84848
0.0000000E+00	-88.88889
0.0000000E+00	-92.92929
0.0000000E+00	-96.96970
0.0000000E+00	-101.0101
0.0000000E+00	-105.0505
0.0000000E+00	-109.0909
0.0000000E+00	-113.1313
0.0000000E+00	-117.1717
0.0000000E+00	-121.2121
0.0000000E+00	-125.2525
0.0000000E+00	-129.2929
0.0000000E+00	-133.3333
0.0000000E+00	-137.3737
0.0000000E+00	-141.4141
0.0000000E+00	-145.4545
0.0000000E+00	-149.4949
0.0000000E+00	-153.5353
0.0000000E+00	-157.5757
0.0000000E+00	-161.6161
0.0000000E+00	-165.6566
0.0000000E+00	-169.6970
0.0000000E+00	-173.7374
0.0000000E+00	-177.7778
0.0000000E+00	-181.8182
0.0000000E+00	-185.8586
0.0000000E+00	-189.8990
0.0000000E+00	-193.9394
0.0000000E+00	-197.9798
0.0000000E+00	-202.0202
0.0000000E+00	-206.0606
0.0000000E+00	-210.1010
0.0000000E+00	-214.1414
0.0000000E+00	-218.1818
0.0000000E+00	-222.2222
0.0000000E+00	-226.2626
0.0000000E+00	-230.3030
0.0000000E+00	-234.3434
0.0000000E+00	-238.3838
0.0000000E+00	-242.4242
0.0000000E+00	-246.4646
0.0000000E+00	-250.5050
0.0000000E+00	-254.5454

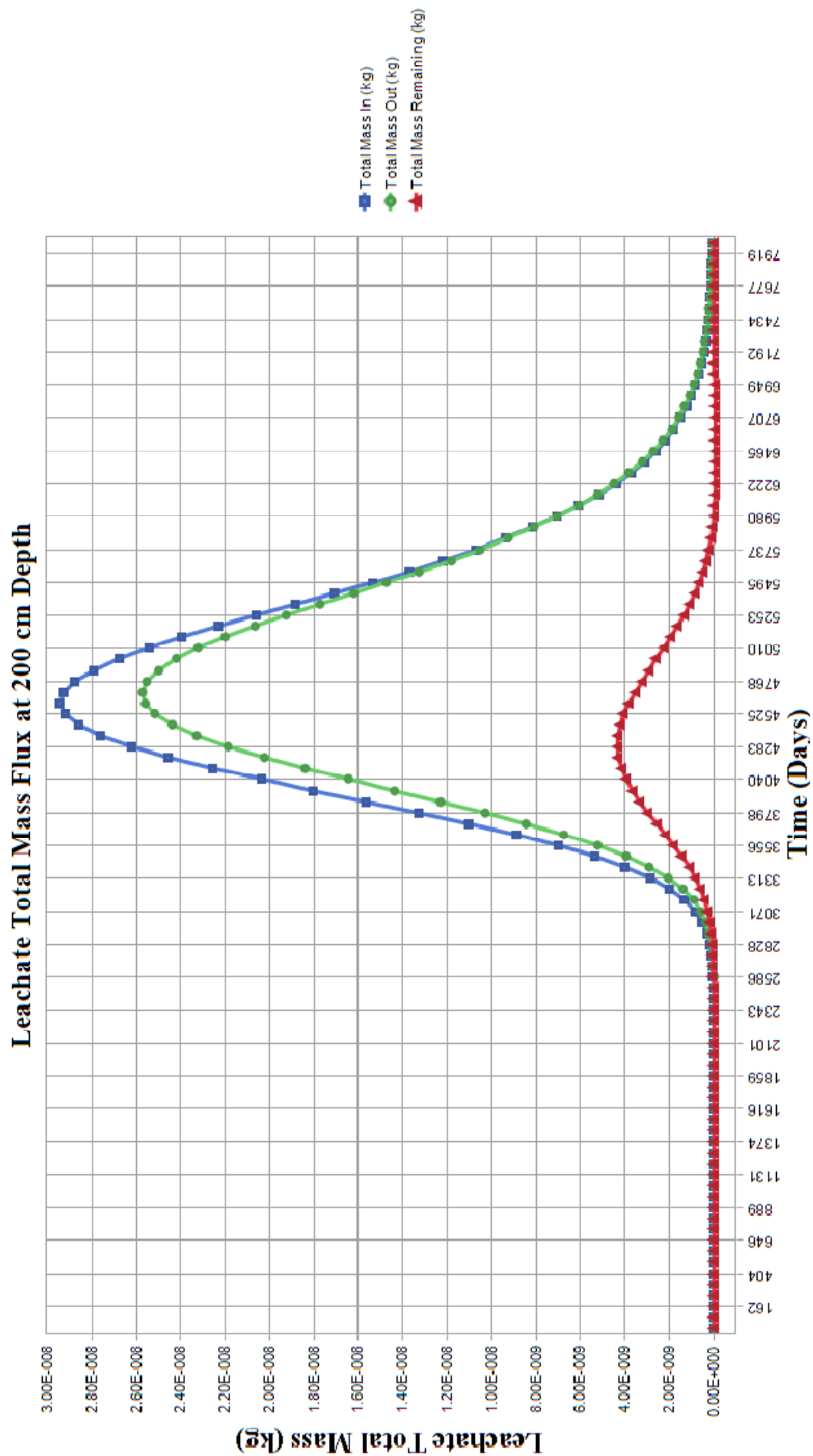
0.0000000E+00	-258.5858
0.0000000E+00	-262.6263
0.0000000E+00	-266.6667
0.0000000E+00	-270.7071
0.0000000E+00	-274.7475
0.0000000E+00	-278.7879
0.0000000E+00	-282.8283
0.0000000E+00	-286.8687
0.0000000E+00	-290.9091
0.0000000E+00	-294.9495
0.0000000E+00	-298.9899
0.0000000E+00	-303.0303
0.0000000E+00	-307.0707
0.0000000E+00	-311.1111
0.0000000E+00	-315.1515
0.0000000E+00	-319.1919
0.0000000E+00	-323.2323
0.0000000E+00	-327.2727
0.0000000E+00	-331.3131
0.0000000E+00	-335.3535
0.0000000E+00	-339.3939
0.0000000E+00	-343.4343
0.0000000E+00	-347.4747
0.0000000E+00	-351.5151
0.0000000E+00	-355.5555
0.0000000E+00	-359.5959
0.0000000E+00	-363.6364
0.0000000E+00	-367.6768
0.0000000E+00	-371.7172
0.0000000E+00	-375.7576
0.0000000E+00	-379.7980
0.0000000E+00	-383.8384
0.0000000E+00	-387.8788
0.0000000E+00	-391.9192
0.0000000E+00	-395.9596
0.0000000E+00	-400.0000



Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

81.17384	-1.0000000E-30
117.6712	-4.040404
114.1043	-8.080808
74.01325	-12.12121
32.11376	-16.16162
9.320278	-20.20202
1.809302	-24.24242
0.2349351	-28.28283
2.0430442E-02	-32.32323
1.5210985E-03	-36.36364
0.0000000E+00	-40.40404
0.0000000E+00	-44.44444
0.0000000E+00	-48.48485
0.0000000E+00	-52.52525
0.0000000E+00	-56.56565
0.0000000E+00	-60.60606
0.0000000E+00	-64.64646
0.0000000E+00	-68.68687
0.0000000E+00	-72.72727
0.0000000E+00	-76.76767
0.0000000E+00	-80.80807
0.0000000E+00	-84.84848
0.0000000E+00	-88.88889
0.0000000E+00	-92.92929
0.0000000E+00	-96.96970
0.0000000E+00	-101.0101
0.0000000E+00	-105.0505
0.0000000E+00	-109.0909
0.0000000E+00	-113.1313
0.0000000E+00	-117.1717
0.0000000E+00	-121.2121
0.0000000E+00	-125.2525
0.0000000E+00	-129.2929
0.0000000E+00	-133.3333
0.0000000E+00	-137.3737
0.0000000E+00	-141.4141
0.0000000E+00	-145.4545
0.0000000E+00	-149.4949
0.0000000E+00	-153.5353
0.0000000E+00	-157.5757
0.0000000E+00	-161.6161
0.0000000E+00	-165.6566
0.0000000E+00	-169.6970
0.0000000E+00	-173.7374
0.0000000E+00	-177.7778
0.0000000E+00	-181.8182
0.0000000E+00	-185.8586
0.0000000E+00	-189.8990
0.0000000E+00	-193.9394
0.0000000E+00	-197.9798
0.0000000E+00	-202.0202
0.0000000E+00	-206.0606
0.0000000E+00	-210.1010
0.0000000E+00	-214.1414
0.0000000E+00	-218.1818
0.0000000E+00	-222.2222
0.0000000E+00	-226.2626
0.0000000E+00	-230.3030
0.0000000E+00	-234.3434
0.0000000E+00	-238.3838
0.0000000E+00	-242.4242
0.0000000E+00	-246.4646
0.0000000E+00	-250.5050
0.0000000E+00	-254.5454

0.0000000E+00	-258.5858
0.0000000E+00	-262.6263
0.0000000E+00	-266.6667
0.0000000E+00	-270.7071
0.0000000E+00	-274.7475
0.0000000E+00	-278.7879
0.0000000E+00	-282.8283
0.0000000E+00	-286.8687
0.0000000E+00	-290.9091
0.0000000E+00	-294.9495
0.0000000E+00	-298.9899
0.0000000E+00	-303.0303
0.0000000E+00	-307.0707
0.0000000E+00	-311.1111
0.0000000E+00	-315.1515
0.0000000E+00	-319.1919
0.0000000E+00	-323.2323
0.0000000E+00	-327.2727
0.0000000E+00	-331.3131
0.0000000E+00	-335.3535
0.0000000E+00	-339.3939
0.0000000E+00	-343.4343
0.0000000E+00	-347.4747
0.0000000E+00	-351.5151
0.0000000E+00	-355.5555
0.0000000E+00	-359.5959
0.0000000E+00	-363.6364
0.0000000E+00	-367.6768
0.0000000E+00	-371.7172
0.0000000E+00	-375.7576
0.0000000E+00	-379.7980
0.0000000E+00	-383.8384
0.0000000E+00	-387.8788
0.0000000E+00	-391.9192
0.0000000E+00	-395.9596
0.0000000E+00	-400.0000



Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

1.0000000E-30	0.0000000E+00	0.0000000E+00	0.0000000E+00
80.80808	0.0000000E+00	0.0000000E+00	0.0000000E+00
161.6162	0.0000000E+00	0.0000000E+00	0.0000000E+00
242.4243	0.0000000E+00	0.0000000E+00	0.0000000E+00
323.2323	0.0000000E+00	0.0000000E+00	0.0000000E+00
404.0404	0.0000000E+00	0.0000000E+00	0.0000000E+00
484.8485	0.0000000E+00	0.0000000E+00	0.0000000E+00
565.6566	0.0000000E+00	0.0000000E+00	0.0000000E+00
646.4647	0.0000000E+00	0.0000000E+00	0.0000000E+00
727.2728	0.0000000E+00	0.0000000E+00	0.0000000E+00
808.0808	2.1019477E-44	0.0000000E+00	2.1019477E-44
888.8889	9.7423174E-40	0.0000000E+00	9.7423174E-40
969.6970	6.9014548E-36	0.0000000E+00	6.9014548E-36
1050.505	1.1697690E-32	0.0000000E+00	1.1697690E-32
1131.313	6.4471302E-30	0.0000000E+00	6.4471302E-30
1212.121	1.4468747E-27	0.0000000E+00	1.4468747E-27
1292.929	1.5650970E-25	0.0000000E+00	1.5650970E-25
1373.737	9.2834524E-24	0.0000000E+00	9.2834524E-24
1454.546	3.3379939E-22	0.0000000E+00	3.3379939E-22
1535.354	7.8751278E-21	0.0000000E+00	7.8751278E-21
1616.162	1.2987219E-19	0.0000000E+00	1.2987219E-19
1696.970	1.5758553E-18	0.0000000E+00	1.5758553E-18
1777.778	1.4670932E-17	0.0000000E+00	1.4670932E-17
1858.586	1.0848531E-16	0.0000000E+00	1.0848531E-16
1939.394	6.5580483E-16	0.0000000E+00	6.5580483E-16
2020.202	3.3203886E-15	0.0000000E+00	3.3203886E-15
2101.010	1.4371364E-14	0.0000000E+00	1.4371364E-14
2181.818	5.4109684E-14	0.0000000E+00	5.4109684E-14
2262.626	1.7989215E-13	0.0000000E+00	1.7989215E-13
2343.434	5.3492139E-13	0.0000000E+00	5.3492139E-13
2424.242	1.4386463E-12	0.0000000E+00	1.4386463E-12
2505.051	3.5335261E-12	0.0000000E+00	3.5335261E-12
2585.859	7.9935850E-12	0.0000000E+00	7.9935850E-12
2666.667	4.3624104E-11	2.6844450E-11	1.6779654E-11
2747.475	8.8301526E-11	5.5402533E-11	3.2898993E-11
2828.283	1.7037355E-10	1.0977485E-10	6.0598700E-11
2909.091	3.0523062E-10	1.9982528E-10	1.0540535E-10
2989.899	5.2288762E-10	3.4895942E-10	1.7392822E-10
3070.707	8.5180840E-10	5.7843080E-10	2.7337757E-10
3151.515	1.3279239E-09	9.1711733E-10	4.1080658E-10
3232.323	1.9869097E-09	1.3947747E-09	5.9213501E-10
3313.131	2.8643541E-09	2.0432411E-09	8.2111290E-10
3393.939	3.9854076E-09	2.8870693E-09	1.0983382E-09
3474.748	5.3678826E-09	3.9472789E-09	1.4206036E-09
3555.556	7.0116895E-09	5.2311213E-09	1.7805680E-09
3636.364	8.9023704E-09	6.7354304E-09	2.1669397E-09
3717.172	1.1007055E-08	8.4418925E-09	2.5651627E-09
3797.980	1.3274843E-08	1.0316378E-08	2.9584646E-09
3878.788	1.5641920E-08	1.2312745E-08	3.3291738E-09
3959.596	1.8032397E-08	1.4372209E-08	3.6601875E-09
4040.404	2.0365999E-08	1.6429729E-08	3.9362691E-09
4121.212	2.2561782E-08	1.8416527E-08	4.1452539E-09
4202.021	2.4543439E-08	2.0264656E-08	4.2787827E-09
4282.829	2.6245296E-08	2.1912511E-08	4.3327844E-09
4363.636	2.7614153E-08	2.3306722E-08	4.3074309E-09
4444.444	2.8613217E-08	2.4406338E-08	4.2068780E-09
4525.252	2.9222374E-08	2.5183772E-08	4.0386028E-09
4606.061	2.9438040E-08	2.5625392E-08	3.8126480E-09
4686.869	2.9272359E-08	2.5731628E-08	3.5407306E-09
4767.677	2.8751158E-08	2.5515789E-08	3.2353697E-09
4848.485	2.7910488E-08	2.5001434E-08	2.9090548E-09
4929.293	2.6794570E-08	2.4220975E-08	2.5735953E-09
5010.101	2.5452570E-08	2.3212992E-08	2.2395772E-09
5090.909	2.3935335E-08	2.2019336E-08	1.9159991E-09

5171.717	2.2293545E-08	2.0683437E-08	1.6101067E-09
5252.525	2.0575312E-08	1.9248009E-08	1.3273022E-09
5333.333	1.8824347E-08	1.7753127E-08	1.0712196E-09
5414.142	1.7079410E-08	1.6235505E-08	8.4390406E-10
5494.950	1.5373264E-08	1.4727268E-08	6.4599576E-10
5575.758	1.3732550E-08	1.3255562E-08	4.7698800E-10
5656.566	1.2177868E-08	1.1842383E-08	3.3548467E-10
5737.374	1.0724095E-08	1.0504653E-08	2.1944208E-10
5818.182	9.3809911E-09	9.2545962E-09	1.2639449E-10
5898.990	8.1537213E-09	8.1000753E-09	5.3646039E-11
5979.798	7.0436226E-09	7.0451835E-09	-1.5609176E-12
6060.606	6.0488432E-09	6.0907697E-09	-4.1926650E-11
6141.414	5.1652469E-09	5.2352438E-09	-6.9996994E-11
6222.222	4.3868229E-09	4.4749280E-09	-8.8105107E-11
6303.030	3.7062848E-09	3.8046153E-09	-9.8330434E-11
6383.838	3.1156251E-09	3.2181073E-09	-1.0248220E-10
6464.646	2.6064584E-09	2.7085594E-09	-1.0210106E-10
6545.455	2.1703801E-09	2.2688527E-09	-9.8472647E-11
6626.263	1.7991733E-09	1.8918134E-09	-9.2640062E-11
6707.071	1.4850257E-09	1.5704616E-09	-8.5435950E-11
6787.879	1.2206439E-09	1.2981504E-09	-7.7506467E-11
6868.687	9.9930775E-10	1.0686458E-09	-6.9338126E-11
6949.495	8.1494311E-10	8.7622881E-10	-6.1285713E-11
7030.303	6.6211475E-10	7.1571049E-10	-5.3595715E-11
7111.111	5.3601074E-10	5.8243954E-10	-4.6428781E-11
7191.919	4.3241083E-10	4.7228887E-10	-3.9878031E-11
7272.728	3.4766284E-10	3.8164960E-10	-3.3986747E-11
7353.536	2.7861613E-10	3.0737643E-10	-2.8760289E-11
7434.344	2.2257995E-10	2.4675825E-10	-2.4178293E-11
7515.152	1.7727321E-10	1.9747612E-10	-2.0202911E-11
7595.960	1.4077338E-10	1.5755897E-10	-1.6785592E-11
7676.768	1.1147014E-10	1.2534261E-10	-1.3872469E-11
7757.576	8.8023283E-11	9.9431074E-11	-1.1407792E-11
7838.384	6.9322381E-11	7.8659357E-11	-9.3369791E-12
7919.192	5.4452567E-11	6.2060711E-11	-7.6081433E-12
8000.000	4.2665239E-11	4.8838610E-11	-6.1733704E-12



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                        PESTAN
                        version 4.0, 1992.

Developed by :

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Title: Valencia Aldaia

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Solubility (mg/l) .....: 0.14000E+01
Recharge rate (cm/hr).....: 0.51400E-02
Sorption constant (cc/g).....: 0.25560E+01
Saturated water content .....: 0.43500E+00
Solid-phase decay (/hr) .....: 0.63000E-01
Liquid-phase decay (/hr) .....: 0.10000E-02
Curve coefficient .....: 0.49000E+01
Bulk density (g/cc).....: 0.13350E+01
Dispersion coefficient (cm^2/hr).....: 0.60000E-01
Saturated hydraulic conductivity .....: 0.44200E+01
Minimum depth (cm).....: 0.00000E+00
Maximum depth (cm).....: 0.50000E+03
Minimum time (day).....: 0.00000E+00
Maximum time (day).....: 0.80000E+04

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For application 1 the active ingredient (ai) applied is 0.100E+01 kg  
ai/ha,  
and has been applied 0.000E+00 days prior to recharge

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Results

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Projected water content .....: 0.257E+00
Pore water velocity [cm/hr] .....: 0.200E-01
Pollutant velocity [cm/hr] .....: 0.140E-02
Length of pollutant slug [cm] .....: 0.195E+01
Mass decayed prior to recharge [kg] .....: 0.000E+00

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Time = 0.50E+02 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
5.000	0.13E+00	0.33E+00	0.47E+00
50.000	0.00E+00	0.00E+00	0.00E+00
100.000	0.00E+00	0.00E+00	0.00E+00
150.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
250.000	0.00E+00	0.00E+00	0.00E+00
300.000	0.00E+00	0.00E+00	0.00E+00
350.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00
450.000	0.00E+00	0.00E+00	0.00E+00
500.000	0.00E+00	0.00E+00	0.00E+00

Case 2 – Valencia Aldaia – Chlorpyrifos – Waste Application 1 [kg/ha] – Sandy Loam

# MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.789E-01  
Pollutant remaining in solid-phase (kg) = 0.105E+01  
Total mass of pollutant remaining (kg) = 0.113E+01  
Liquid-phase decay of pollutant (kg) = 0.988E-01

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Time = 0.10E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
5.000	0.17E+00	0.44E+00	0.63E+00
50.000	0.00E+00	0.00E+00	0.00E+00
100.000	0.00E+00	0.00E+00	0.00E+00
150.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
250.000	0.00E+00	0.00E+00	0.00E+00
300.000	0.00E+00	0.00E+00	0.00E+00
350.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00
450.000	0.00E+00	0.00E+00	0.00E+00
500.000	0.00E+00	0.00E+00	0.00E+00

# MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.581E-01  
Pollutant remaining in solid-phase (kg) = 0.772E+00  
Total mass of pollutant remaining (kg) = 0.830E+00  
Liquid-phase decay of pollutant (kg) = 0.152E+00

+++++

Time = 0.15E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
5.000	0.15E+00	0.39E+00	0.55E+00
50.000	0.00E+00	0.00E+00	0.00E+00
100.000	0.00E+00	0.00E+00	0.00E+00
150.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
250.000	0.00E+00	0.00E+00	0.00E+00
300.000	0.00E+00	0.00E+00	0.00E+00
350.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00
450.000	0.00E+00	0.00E+00	0.00E+00
500.000	0.00E+00	0.00E+00	0.00E+00

# MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.526E-01  
Pollutant remaining in solid-phase (kg) = 0.700E+00  
Total mass of pollutant remaining (kg) = 0.752E+00  
Liquid-phase decay of pollutant (kg) = 0.215E+00

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Time = 0.50E+03 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
5.000	0.26E-01	0.67E-01	0.96E-01
50.000	0.14E-03	0.37E-03	0.53E-03
100.000	0.00E+00	0.00E+00	0.00E+00
150.000	0.00E+00	0.00E+00	0.00E+00
200.000	0.00E+00	0.00E+00	0.00E+00
250.000	0.00E+00	0.00E+00	0.00E+00
300.000	0.00E+00	0.00E+00	0.00E+00
350.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00
450.000	0.00E+00	0.00E+00	0.00E+00
500.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.298E-01

Pollutant remaining in solid-phase (kg) = 0.396E+00

Total mass of pollutant remaining (kg) = 0.425E+00

Liquid-phase decay of pollutant (kg) = 0.559E+00

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Time = 0.20E+04 (days)

Depth [cm]	Cw [mg/l]	Cs [mg/kg]	Ctot [mg/l]
5.000	0.18E-04	0.46E-04	0.66E-04
50.000	0.14E-02	0.35E-02	0.50E-02
100.000	0.46E-03	0.12E-02	0.17E-02
150.000	0.32E-06	0.81E-06	0.12E-05
200.000	0.00E+00	0.00E+00	0.00E+00
250.000	0.00E+00	0.00E+00	0.00E+00
300.000	0.00E+00	0.00E+00	0.00E+00
350.000	0.00E+00	0.00E+00	0.00E+00
400.000	0.00E+00	0.00E+00	0.00E+00
450.000	0.00E+00	0.00E+00	0.00E+00
500.000	0.00E+00	0.00E+00	0.00E+00

#### MASS BALANCE RESULTS

Pollutant remaining in liquid-phase (kg) = 0.244E-02

Pollutant remaining in solid-phase (kg) = 0.324E-01

Total mass of pollutant remaining (kg) = 0.348E-01

Liquid-phase decay of pollutant (kg) = 0.965E+00