



APPENDIX B

PRZM-EXAMS Water Modeling Results

Scenario: Uses Represented By Scenario. Date of First Application, Number of Applications, Application Method.

1. CA almond WirrigSTD: Almond, Filbert, Pecan, Walnut. January 1, 2 applications, Aerial.

1.1. Water Column

stored as esfen-agdrift-almond-air-2ap-7int.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt

modified Wedday, 13 June 2007

at 11:17:16

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.2189 0.006495	0.05869	0.02513	0.01252	0.01019
1962	0.2238 0.01227	0.06352	0.02997	0.01867	0.01631
1963	0.2292 0.01688	0.069	0.03543	0.02407	0.02175
1964	0.2325 0.01934	0.0723	0.04057	0.02722	0.02468
1965	0.2348 0.02026	0.07448	0.04101	0.02802	0.02556
1966	0.2355 0.02094	0.07522	0.04165	0.02883	0.0264
1967	0.236 0.02296	0.07572	0.04425	0.0316	0.029
1968	0.2374 0.02274	0.0775	0.04386	0.03099	0.0285
1969	0.2375 0.02363	0.07725	0.04525	0.03221	0.02964
1970	0.2392 0.02371	0.07817	0.04574	0.03223	0.02966
1971	0.2383 0.02343	0.07804	0.04447	0.03154	0.02909
1972	0.2381 0.0232	0.07789	0.04432	0.03144	0.02897
1973	0.2387 0.02411	0.08217	0.046	0.03275	0.03019
1974	0.2386 0.02363	0.07834	0.04481	0.03185	0.02938
1975	0.2383 0.02346	0.07801	0.04443	0.03162	0.02924
1976	0.2378 0.02298	0.07759	0.04402	0.03108	0.02863

1977	0.2377 0.02295	0.0774	0.04396	0.03094	0.02848
1978	0.2385 0.02421	0.07848	0.04691	0.03309	0.03049
1979	0.2434 0.02433	0.08076	0.04644	0.03302	0.03044
1980	0.2387 0.0246	0.08118	0.04618	0.03309	0.03054
1981	0.2391 0.0244	0.07888	0.0453	0.03281	0.03033
1982	0.2403 0.02585	0.08276	0.04778	0.03387	0.03144
1983	0.2406 0.02591	0.08033	0.04676	0.03424	0.03187
1984	0.24 0.02453	0.07974	0.04617	0.03319	0.03069
1985	0.2387 0.02373	0.07847	0.0449	0.03204	0.02957
1986	0.2384 0.02502	0.07815	0.04463	0.03343	0.03102
1987	0.2394 0.02444	0.07918	0.04564	0.03279	0.03044
1988	0.2388 0.02357	0.07855	0.04513	0.0321	0.0296
1989	0.2379 0.02309	0.0777	0.04412	0.0312	0.02882
1990	0.2379 0.02404	0.07761	0.04684	0.033	0.03034

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.03187	0.2434 0.02591	0.08276	0.04778	0.03424
0.0645161290322581	0.03144	0.2406 0.02585	0.08217	0.04691	0.03387
0.0967741935483871	0.03102	0.2403 0.02502	0.08118	0.04684	0.03343
0.129032258064516	0.03069	0.24 0.0246	0.08076	0.04676	0.03319
0.161290322580645	0.03054	0.2394 0.02453	0.08033	0.04644	0.03309
0.193548387096774	0.03049	0.2392 0.02444	0.07974	0.04618	0.03309
0.225806451612903	0.03044	0.2391 0.0244	0.07918	0.04617	0.03302
0.258064516129032	0.03044	0.2388 0.02433	0.07888	0.046	0.033
0.290322580645161	0.03034	0.2387 0.02421	0.07855	0.04574	0.03281
0.32258064516129	0.03033	0.2387 0.02411	0.07848	0.04564	0.03279
0.354838709677419	0.03019	0.2387 0.02404	0.07847	0.0453	0.03275
0.387096774193548	0.02966	0.2386 0.02373	0.07834	0.04525	0.03223

0.419354838709677	0.2385	0.07817	0.04513	0.03221	
0.02964	0.02371				
0.451612903225806	0.2384	0.07815	0.0449	0.0321	
0.0296	0.02363				
0.483870967741936	0.2383	0.07804	0.04481	0.03204	
0.02957	0.02363				
0.516129032258065	0.2383	0.07801	0.04463	0.03185	
0.02938	0.02357				
0.548387096774194	0.2381	0.07789	0.04447	0.03162	
0.02924	0.02346				
0.580645161290323	0.2379	0.0777	0.04443	0.0316	
0.02909	0.02343				
0.612903225806452	0.2379	0.07761	0.04432	0.03154	0.029
0.0232					
0.645161290322581	0.2378	0.07759	0.04425	0.03144	
0.02897	0.02309				
0.67741935483871	0.2377	0.0775	0.04412	0.0312	
0.02882	0.02298				
0.709677419354839	0.2375	0.0774	0.04402	0.03108	
0.02863	0.02296				
0.741935483870968	0.2374	0.07725	0.04396	0.03099	
0.0285	0.02295				
0.774193548387097	0.236	0.07572	0.04386	0.03094	
0.02848	0.02274				
0.806451612903226	0.2355	0.07522	0.04165	0.02883	
0.0264	0.02094				
0.838709677419355	0.2348	0.07448	0.04101	0.02802	
0.02556	0.02026				
0.870967741935484	0.2325	0.0723	0.04057	0.02722	
0.02468	0.01934				
0.903225806451613	0.2292	0.069	0.03543	0.02407	
0.02175	0.01688				
0.935483870967742	0.2238	0.06352	0.02997	0.01867	
0.01631	0.01227				
0.967741935483871	0.2189	0.05869	0.02513	0.01252	
0.01019	0.006495				
0.1	0.24027	0.081138	0.046832	0.033406	0.030987
	0.024978				

Average of yearly

averages: 0.0223568333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-air-2ap-7int

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		

Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date	Date	01-01	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

1.2. Pore Water

stored as esfen-agdrift-almond-air-2ap-7intben.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 11:17:16

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.00203 0.001872	0.002029	0.002023	0.002009	0.001998
1962	0.004216 0.003864	0.004215	0.004201	0.004165	0.004137
1963	0.006095 0.005556	0.006092	0.006072	0.006023	0.006023
1964	0.007227 0.006459	0.007224	0.007201	0.007134	0.007081
1965	0.007669 0.006837	0.007666	0.007642	0.007572	0.007514
1966	0.007947 0.007073	0.007944	0.007923	0.007869	0.007813
1967	0.008696 0.00774	0.008693	0.008674	0.008605	0.008554
1968	0.008672 0.007719	0.00867	0.008654	0.008599	0.008535

1969	0.008943 0.008007	0.00894	0.008914	0.008884	0.008837
1970	0.009076 0.008043	0.009072	0.009051	0.008966	0.008898
1971	0.008962 0.007976	0.008959	0.008931	0.008854	0.008789
1972	0.008908 0.007892	0.008906	0.008883	0.00881	0.008737
1973	0.009092 0.008166	0.009089	0.009062	0.009034	0.009011
1974	0.009057 0.008052	0.009056	0.00903	0.008951	0.008884
1975	0.00895 0.007978	0.008947	0.008921	0.008862	0.008814
1976	0.008802 0.007804	0.008799	0.00877	0.008687	0.008619
1977	0.008731 0.007794	0.008728	0.008702	0.008621	0.008557
1978	0.009172 0.008195	0.009168	0.009134	0.009113	0.00906
1979	0.009307 0.008268	0.009303	0.009275	0.009218	0.009159
1980	0.009278 0.008364	0.009276	0.009248	0.009215	0.009176
1981	0.009319 0.008303	0.009316	0.009284	0.009235	0.00918
1982	0.00951 0.008763	0.009508	0.009482	0.009425	0.0094
1983	0.009788 0.008838	0.009783	0.00977	0.009739	0.009703
1984	0.009573 0.008375	0.009569	0.009537	0.009445	0.009361
1985	0.009115 0.008082	0.009113	0.009087	0.009018	0.008954
1986	0.009515 0.008468	0.009511	0.009468	0.009363	0.009275
1987	0.00937 0.008331	0.009367	0.009338	0.009277	0.009228
1988	0.009144 0.008026	0.009141	0.009124	0.009034	0.008955
1989	0.008838 0.007849	0.008835	0.008809	0.008736	0.008678
1990	0.009207 0.008142	0.009204	0.009174	0.00912	0.009059

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.009703	0.009788	0.009783	0.00977	0.009739
0.0645161290322581	0.0094	0.009573	0.009569	0.009537	0.009445
0.0967741935483871	0.009361	0.009515	0.009511	0.009482	0.009425
0.129032258064516	0.009275	0.00951	0.009508	0.009468	0.009363

0.161290322580645	0.00937	0.009367	0.009338	0.009277
0.009228	0.008364			
0.193548387096774	0.009319	0.009316	0.009284	0.009235
0.00918	0.008331			
0.225806451612903	0.009307	0.009303	0.009275	0.009218
0.009176	0.008303			
0.258064516129032	0.009278	0.009276	0.009248	0.009215
0.009159	0.008268			
0.290322580645161	0.009207	0.009204	0.009174	0.00912
0.00906	0.008195			
0.32258064516129	0.009172	0.009168	0.009134	0.009113
0.009059	0.008166			
0.354838709677419	0.009144	0.009141	0.009124	0.009034
0.009011	0.008142			
0.387096774193548	0.009115	0.009113	0.009087	0.009034
0.008955	0.008082			
0.419354838709677	0.009092	0.009089	0.009062	0.009018
0.008954	0.008052			
0.451612903225806	0.009076	0.009072	0.009051	0.008966
0.008898	0.008043			
0.483870967741936	0.009057	0.009056	0.00903	0.008951
0.008884	0.008026			
0.516129032258065	0.008962	0.008959	0.008931	0.008884
0.008837	0.008007			
0.548387096774194	0.00895	0.008947	0.008921	0.008862
0.008814	0.007978			
0.580645161290323	0.008943	0.00894	0.008914	0.008854
0.008789	0.007976			
0.612903225806452	0.008908	0.008906	0.008883	0.00881
0.008737	0.007892			
0.645161290322581	0.008838	0.008835	0.008809	0.008736
0.008678	0.007849			
0.67741935483871	0.008802	0.008799	0.00877	0.008687
0.008619	0.007804			
0.709677419354839	0.008731	0.008728	0.008702	0.008621
0.008557	0.007794			
0.741935483870968	0.008696	0.008693	0.008674	0.008605
0.008554	0.00774			
0.774193548387097	0.008672	0.00867	0.008654	0.008599
0.008535	0.007719			
0.806451612903226	0.007947	0.007944	0.007923	0.007869
0.007813	0.007073			
0.838709677419355	0.007669	0.007666	0.007642	0.007572
0.007514	0.006837			
0.870967741935484	0.007227	0.007224	0.007201	0.007134
0.007081	0.006459			
0.903225806451613	0.006095	0.006092	0.006072	0.006023
0.006023	0.005556			
0.935483870967742	0.004216	0.004215	0.004201	0.004165
0.004137	0.003864			
0.967741935483871	0.00203	0.002029	0.002023	0.002009
0.001998	0.001872			

0.1	0.0095145	0.0095107	0.0094806	0.0094188	0.0093524
	0.0084587				

averages: 0.0075612

Average of yearly

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-air-2ap-7int

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days		Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none		none, monthly or
total(average of entire run)				

2. CA almond WirrigSTD: Almond, Filbert, Pecan, Walnut. January 1, 2 Applications, Ground.

2.1. Water Column

stored as esfen-agdrift-almond-grd-2ap-7int.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 11:17:16

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.02432 0.001216	0.006521	0.002792	0.001535	0.001333
1962	0.03922 0.00387	0.01532	0.006167	0.004825	0.004511
1963	0.03924 0.006134	0.01847	0.008446	0.007012	0.006824
1964	0.04913 0.006829	0.01766	0.01005	0.008097	0.007678
1965	0.03051 0.006412	0.01261	0.008989	0.007424	0.007114
1966	0.02993 0.00613	0.01212	0.008388	0.007017	0.006728
1967	0.0712 0.00755	0.0246	0.0113	0.009201	0.008744
1968	0.0307 0.006951	0.01326	0.009458	0.008047	0.007737
1969	0.03037 0.007435	0.01256	0.01047	0.008872	0.008457
1970	0.03187 0.007382	0.01325	0.01071	0.008654	0.008268
1971	0.0308 0.00682	0.01299	0.009258	0.007783	0.007498
1972	0.0303 0.006405	0.0125	0.008763	0.00734	0.007053
1973	0.03073 0.007294	0.0168	0.01036	0.008576	0.008191
1974	0.03068 0.006668	0.01288	0.009198	0.007701	0.007404
1975	0.03012 0.00639	0.01232	0.008584	0.007232	0.007017
1976	0.02984 0.006116	0.01203	0.008302	0.006833	0.006563
1977	0.02977 0.006013	0.01239	0.008372	0.006811	0.006524
1978	0.03043 0.007293	0.01543	0.01123	0.00888	0.00846
1979	0.03555 0.007349	0.01523	0.01072	0.008748	0.008336
1980	0.03065 0.007537	0.01569	0.01048	0.008856	0.008479
1981	0.03084 0.007209	0.01303	0.0093	0.008304	0.008002
1982	0.04997 0.008593	0.01977	0.012	0.00951	0.009254
1983	0.032 0.008449	0.01419	0.01047	0.009428	0.009256
1984	0.03166 0.007481	0.01385	0.01012	0.008625	0.008316
1985	0.03074 0.006794	0.01294	0.009203	0.007814	0.007507
1986	0.06255 0.008156	0.02715	0.01229	0.009856	0.009377
1987	0.03142 0.007552	0.01361	0.009911	0.008537	0.008374

1988	0.03086 0.006846	0.01304	0.009473	0.007926	0.007628
1989	0.03022 0.006386	0.01241	0.008678	0.007212	0.007001
1990	0.05493 0.007332	0.01967	0.01136	0.008941	0.008444

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.009377	0.0712	0.02715	0.01229	0.009856
0.0645161290322581	0.009256	0.06255	0.0246	0.012	0.00951
0.0967741935483871	0.009254	0.05493	0.01977	0.01136	0.009428
0.129032258064516	0.008744	0.04997	0.01967	0.0113	0.009201
0.161290322580645	0.008479	0.04913	0.01847	0.01123	0.008941
0.193548387096774	0.00846	0.03924	0.01766	0.01072	0.00888
0.225806451612903	0.008457	0.03922	0.0168	0.01071	0.008872
0.258064516129032	0.008444	0.03555	0.01569	0.01048	0.008856
0.290322580645161	0.008374	0.032	0.01543	0.01047	0.008748
0.32258064516129	0.008336	0.03187	0.01532	0.01047	0.008654
0.354838709677419	0.008316	0.03166	0.01523	0.01036	0.008625
0.387096774193548	0.008268	0.03142	0.01419	0.01012	0.008576
0.419354838709677	0.008191	0.03086	0.01385	0.01005	0.008537
0.451612903225806	0.008002	0.03084	0.01361	0.009911	0.008304
0.483870967741936	0.007737	0.0308	0.01326	0.009473	0.008097
0.516129032258065	0.007678	0.03074	0.01325	0.009458	0.008047
0.548387096774194	0.007628	0.03073	0.01304	0.0093	0.007926
0.580645161290323	0.007507	0.0307	0.01303	0.009258	0.007814
0.612903225806452	0.007498	0.03068	0.01299	0.009203	0.007783
0.645161290322581	0.007404	0.03065	0.01294	0.009198	0.007701
0.67741935483871	0.007114	0.03051	0.01288	0.008989	0.007424
0.709677419354839	0.007053	0.03043	0.01261	0.008763	0.00734
0.741935483870968	0.007017	0.03037	0.01256	0.008678	0.007232
		0.00639			

0.774193548387097	0.0303	0.0125	0.008584	0.007212
0.007001	0.006386			
0.806451612903226	0.03022	0.01241	0.008446	0.007017
0.006824	0.006134			
0.838709677419355	0.03012	0.01239	0.008388	0.007012
0.006728	0.00613			
0.870967741935484	0.02993	0.01232	0.008372	0.006833
0.006563	0.006116			
0.903225806451613	0.02984	0.01212	0.008302	0.006811
0.006524	0.006013			
0.935483870967742	0.02977	0.01203	0.006167	0.004825
0.004511	0.00387			
0.967741935483871	0.02432	0.006521	0.002792	0.001535
0.001333	0.001216			
0.1	0.054434	0.01976	0.011354	0.0094053
	0.0080956			0.009203
Average of yearly				
averages:	0.0067530666666667			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-grd-2ap-7int

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-01	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				

PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

2.2. Pore Water

stored as esfen-agdrift-almond-grd-2ap-7intben.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 11:17:16

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0004532 0.0003507	0.000453	0.0004517	0.0004379	0.0004352
1962	0.001529 0.001213	0.001529	0.00152	0.001502	0.001462
1963	0.002251 0.002063	0.00225	0.002241	0.002219	0.002209
1964	0.00251 0.00233	0.002509	0.002501	0.002478	0.002463
1965	0.002402 0.002229	0.002401	0.002394	0.002372	0.002355
1966	0.002245 0.002118	0.002244	0.002237	0.002228	0.002216
1967	0.002809 0.002566	0.002808	0.002799	0.002782	0.002775
1968	0.002589 0.002411	0.002588	0.002577	0.002557	0.002545
1969	0.002762 0.00255	0.002761	0.002754	0.002734	0.002719
1970	0.002738 0.00254	0.002737	0.002728	0.002704	0.002688
1971	0.00255 0.002374	0.002549	0.002541	0.002519	0.002503
1972	0.002371 0.002221	0.002371	0.002365	0.002351	0.002336
1973	0.002677 0.002486	0.002676	0.002666	0.002646	0.002635
1974	0.002501 0.002322	0.0025	0.002495	0.002476	0.00246
1975	0.002313 0.00221	0.002312	0.002308	0.002302	0.0023
1976	0.002206 0.002109	0.002205	0.002198	0.002177	0.002167
1977	0.002179 0.002073	0.002179	0.002172	0.002152	0.002139
1978	0.002677 0.002478	0.002676	0.002665	0.002652	0.002637
1979	0.002722 0.00253	0.002721	0.002712	0.002699	0.00269

1980	0.002791 0.002597	0.00279	0.002782	0.002762	0.002747
1981	0.002677 0.002491	0.002676	0.002666	0.002645	0.002633
1982	0.003155 0.002924	0.003154	0.003144	0.003123	0.003109
1983	0.003126 0.002928	0.003124	0.003107	0.003092	0.003088
1984	0.002859 0.002611	0.002858	0.002848	0.002821	0.002798
1985	0.00253 0.002361	0.002529	0.002522	0.002513	0.002499
1986	0.003071 0.00277	0.00307	0.003059	0.00304	0.00302
1987	0.00281 0.002626	0.002809	0.002797	0.002776	0.00277
1988	0.002583 0.00238	0.002582	0.002574	0.002552	0.002534
1989	0.002341 0.002211	0.00234	0.002334	0.002314	0.00231
1990	0.002708 0.002502	0.002707	0.002697	0.002675	0.002669

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.003109	0.003155	0.003154	0.003144	0.003123
0.0645161290322581	0.003088	0.003126	0.003124	0.003107	0.003092
0.0967741935483871	0.00302	0.003071	0.00307	0.003059	0.00304
0.129032258064516	0.002798	0.002859	0.002858	0.002848	0.002821
0.161290322580645	0.002775	0.00281	0.002809	0.002799	0.002782
0.193548387096774	0.00277	0.002809	0.002808	0.002797	0.002776
0.225806451612903	0.002747	0.002791	0.00279	0.002782	0.002762
0.258064516129032	0.002719	0.002762	0.002761	0.002754	0.002734
0.290322580645161	0.00269	0.002738	0.002737	0.002728	0.002704
0.32258064516129	0.002688	0.002722	0.002721	0.002712	0.002699
0.354838709677419	0.002669	0.002708	0.002707	0.002697	0.002675
0.387096774193548	0.002637	0.002677	0.002676	0.002666	0.002652
0.419354838709677	0.002635	0.002677	0.002676	0.002666	0.002646
0.451612903225806	0.002633	0.002677	0.002676	0.002665	0.002645
0.483870967741936	0.002545	0.002589	0.002588	0.002577	0.002557
		0.002411			

0.516129032258065	0.002583	0.002582	0.002574	0.002552
0.002534	0.00238			
0.548387096774194	0.00255	0.002549	0.002541	0.002519
0.002503	0.002374			
0.580645161290323	0.00253	0.002529	0.002522	0.002513
0.002499	0.002361			
0.612903225806452	0.00251	0.002509	0.002501	0.002478
0.002463	0.00233			
0.645161290322581	0.002501	0.0025	0.002495	0.002476
0.00246	0.002322			
0.67741935483871	0.002402	0.002401	0.002394	0.002372
0.002355	0.002229			
0.709677419354839	0.002371	0.002371	0.002365	0.002351
0.002336	0.002221			
0.741935483870968	0.002341	0.00234	0.002334	0.002314
0.00231	0.002211			
0.774193548387097	0.002313	0.002312	0.002308	0.002302
0.0023	0.00221			
0.806451612903226	0.002251	0.00225	0.002241	0.002228
0.002216	0.002118			
0.838709677419355	0.002245	0.002244	0.002237	0.002219
0.002209	0.002109			
0.870967741935484	0.002206	0.002205	0.002198	0.002177
0.002167	0.002073			
0.903225806451613	0.002179	0.002179	0.002172	0.002152
0.002139	0.002063			
0.935483870967742	0.001529	0.001529	0.00152	0.001502
0.001462	0.001213			
0.967741935483871	0.0004532	0.000453	0.0004517	0.0004379
0.0004352	0.0003507			
0.1	0.0030498	0.0030488	0.0030379	0.0030181
0.0027556				

Average of yearly

averages: 0.0023191566666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-grd-2ap-7int

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.11	kg/ha
Application Efficiency:	APPEFF	0.99	fraction
Spray Drift DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

3. CA almond WirrigSTD: Almond, Filbert, Pecan, Walnut. January 1, 2 Applications with 2 Start Dates, Aerial.

3.1. Water Column

stored as esfen-agdrift-almond-air-2ap-180int.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 11:17:16

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.2194 0.005226	0.05865	0.01585	0.009099	0.007813
1962	0.2243 0.01146	0.06398	0.02123	0.01442	0.01321
1963	0.2313 0.01675	0.0704	0.02745	0.02044	0.01894
1964	0.2329 0.01893	0.07236	0.02951	0.02247	0.02095
1965	0.2348 0.02008	0.07375	0.03074	0.02368	0.02218
1966	0.2353 0.02076	0.0743	0.0313	0.02427	0.02272
1967	0.2364 0.02233	0.07609	0.03304	0.02608	0.02461
1968	0.2359 0.02211	0.07581	0.03271	0.02555	0.02416
1969	0.2366 0.02281	0.07647	0.03345	0.02648	0.02505
1970	0.2367 0.02296	0.0766	0.03384	0.02654	0.0251

1971	0.2369	0.07668	0.03366	0.02652	0.02498
	0.02297				
1972	0.2374	0.07634	0.03335	0.02622	0.02484
	0.02277				
1973	0.2382	0.07702	0.03433	0.02723	0.0258
	0.02347				
1974	0.2378	0.07681	0.03379	0.02678	0.02522
	0.02321				
1975	0.237	0.07675	0.0337	0.02657	0.02518
	0.02304				
1976	0.2364	0.07629	0.03328	0.02605	0.02453
	0.02252				
1977	0.2362	0.07642	0.03316	0.02606	0.0245
	0.02252				
1978	0.2372	0.07719	0.03542	0.0277	0.02619
	0.02364				
1979	0.2384	0.07728	0.03468	0.02746	0.02601
	0.02368				
1980	0.2376	0.07727	0.03452	0.02749	0.02606
	0.02391				
1981	0.2373	0.0773	0.03427	0.02734	0.02597
	0.0238				
1982	0.2392	0.08597	0.03752	0.02924	0.02777
	0.02563				
1983	0.2395	0.0793	0.03634	0.0293	0.02799
	0.02568				
1984	0.2391	0.07819	0.03525	0.02834	0.02694
	0.02438				
1985	0.2371	0.07708	0.03404	0.02705	0.02567
	0.0235				
1986	0.2381	0.07794	0.03494	0.02803	0.02668
	0.02436				
1987	0.2386	0.07744	0.03436	0.02738	0.0261
	0.02379				
1988	0.237	0.07676	0.03367	0.02672	0.02533
	0.02299				
1989	0.2362	0.07603	0.03308	0.02597	0.0246
	0.02262				
1990	0.238	0.07698	0.03491	0.02738	0.02587
	0.02334				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02799	0.2395	0.08597	0.03752	0.0293
0.0645161290322581	0.02777	0.2392	0.0793	0.03634	0.02924
0.0967741935483871	0.02694	0.2391	0.07819	0.03542	0.02834
0.129032258064516	0.02668	0.2386	0.07794	0.03525	0.02803
0.161290322580645	0.02619	0.2384	0.07744	0.03494	0.0277
0.193548387096774	0.0261	0.2382	0.0773	0.03491	0.02749

0.225806451612903	0.2381	0.07728	0.03468	0.02746
0.02606	0.02379			
0.258064516129032	0.238	0.07727	0.03452	0.02738
0.02601	0.02368			
0.290322580645161	0.2378	0.07719	0.03436	0.02738
0.02597	0.02364			
0.32258064516129	0.2376	0.07708	0.03433	0.02734
0.02587	0.0235			
0.354838709677419	0.2374	0.07702	0.03427	0.02723
0.0258	0.02347			
0.387096774193548	0.2373	0.07698	0.03404	0.02705
0.02567	0.02334			
0.419354838709677	0.2372	0.07681	0.03384	0.02678
0.02533	0.02321			
0.451612903225806	0.2371	0.07676	0.03379	0.02672
0.02522	0.02304			
0.483870967741936	0.237	0.07675	0.0337	0.02657
0.02518	0.02299			
0.516129032258065	0.237	0.07668	0.03367	0.02654
0.0251	0.02297			
0.548387096774194	0.2369	0.0766	0.03366	0.02652
0.02505	0.02296			
0.580645161290323	0.2367	0.07647	0.03345	0.02648
0.02498	0.02281			
0.612903225806452	0.2366	0.07642	0.03335	0.02622
0.02484	0.02277			
0.645161290322581	0.2364	0.07634	0.03328	0.02608
0.02461	0.02262			
0.67741935483871	0.2364	0.07629	0.03316	0.02606
0.0246	0.02252			
0.709677419354839	0.2362	0.07609	0.03308	0.02605
0.02453	0.02252			
0.741935483870968	0.2362	0.07603	0.03304	0.02597
0.0245	0.02233			
0.774193548387097	0.2359	0.07581	0.03271	0.02555
0.02416	0.02211			
0.806451612903226	0.2353	0.0743	0.0313	0.02427
0.02272	0.02076			
0.838709677419355	0.2348	0.07375	0.03074	0.02368
0.02218	0.02008			
0.870967741935484	0.2329	0.07236	0.02951	0.02247
0.02095	0.01893			
0.903225806451613	0.2313	0.0704	0.02745	0.02044
0.01894	0.01675			
0.935483870967742	0.2243	0.06398	0.02123	0.01442
0.01321	0.01146			
0.967741935483871	0.2194	0.05865	0.01585	0.009099
0.007813	0.005226			
0.1	0.23905	0.078165	0.035403	0.028309
0.024378				0.026914

Average of yearly

averages: 0.0218412

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-air-2ap-180int

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol
Vapor Pressure	vapr	4.5E-7	torr
Solubility	sol	0.006	mg/L
Kd	Kd		mg/L
Koc	Koc	251717	mg/L
Photolysis half-life	kdp	9	days
Aerobic Aquatic Metabolism	kbacw	276	days
Halfife			
Anaerobic Aquatic Metabolism	kbacs	462	days
Halfife			
Aerobic Soil Metabolism	asm	138	days
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.11	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	180	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or total(average of entire run)

3.2. Pore Water

stored as esfen-agdrift-almond-air-2ap-180intben.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 11:17:16

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.001954	0.001953	0.001946	0.001921	0.001901
	0.00142				
1962	0.004514	0.004511	0.004486	0.004432	0.004323
	0.003522				

1963	0.006153 0.005531	0.006147	0.006108	0.005996	0.005903
1964	0.006901 0.006316	0.006894	0.006844	0.006715	0.006617
1965	0.007339 0.006771	0.007333	0.007285	0.007148	0.00705
1966	0.00755 0.007004	0.007543	0.007493	0.007357	0.007247
1967	0.008194 0.007537	0.008186	0.008116	0.007931	0.007809
1968	0.008047 0.007497	0.008041	0.007982	0.007852	0.007795
1969	0.008335 0.007723	0.008328	0.008263	0.008089	0.008013
1970	0.008333 0.007771	0.008326	0.008257	0.008144	0.008086
1971	0.008409 0.007813	0.008402	0.008336	0.008182	0.008123
1972	0.008275 0.007735	0.008269	0.008207	0.008134	0.008069
1973	0.008501 0.007947	0.008493	0.008426	0.00829	0.008265
1974	0.008448 0.007894	0.008441	0.008378	0.008254	0.008194
1975	0.008442 0.007833	0.008434	0.008363	0.008222	0.008174
1976	0.008214 0.007643	0.008207	0.00815	0.008022	0.00796
1977	0.008195 0.007638	0.008189	0.008138	0.007996	0.007897
1978	0.008582 0.008002	0.008575	0.008508	0.008385	0.008338
1979	0.00861 0.008041	0.008603	0.008535	0.008439	0.008392
1980	0.008694 0.008126	0.008687	0.008627	0.008478	0.008401
1981	0.008624 0.008085	0.008618	0.008552	0.008482	0.008431
1982	0.009286 0.008672	0.00928	0.009212	0.009045	0.008916
1983	0.009383 0.008755	0.009376	0.009308	0.00918	0.009137
1984	0.009026 0.008326	0.009023	0.008992	0.008907	0.008832
1985	0.008541 0.007998	0.008535	0.008492	0.008428	0.008369
1986	0.008865 0.008256	0.008858	0.008793	0.008616	0.008506
1987	0.008652 0.008102	0.008646	0.008596	0.008531	0.008485
1988	0.00841 0.007818	0.008407	0.008384	0.008308	0.008237
1989	0.008197 0.007676	0.00819	0.008127	0.00803	0.007976
1990	0.008504 0.007909	0.008496	0.008427	0.008342	0.008287

Sorted results					
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129		0.009383	0.009376	0.009308	0.00918
	0.009137	0.008755			
0.0645161290322581		0.009286	0.00928	0.009212	0.009045
	0.008916	0.008672			
0.0967741935483871		0.009026	0.009023	0.008992	0.008907
	0.008832	0.008326			
0.129032258064516		0.008865	0.008858	0.008793	0.008616
	0.008506	0.008256			
0.161290322580645		0.008694	0.008687	0.008627	0.008531
	0.008485	0.008126			
0.193548387096774		0.008652	0.008646	0.008596	0.008482
	0.008431	0.008102			
0.225806451612903		0.008624	0.008618	0.008552	0.008478
	0.008401	0.008085			
0.258064516129032		0.00861	0.008603	0.008535	0.008439
	0.008392	0.008041			
0.290322580645161		0.008582	0.008575	0.008508	0.008428
	0.008369	0.008002			
0.32258064516129		0.008541	0.008535	0.008492	0.008385
	0.008338	0.007998			
0.354838709677419		0.008504	0.008496	0.008427	0.008342
	0.008287	0.007947			
0.387096774193548		0.008501	0.008493	0.008426	0.008308
	0.008265	0.007909			
0.419354838709677		0.008448	0.008441	0.008384	0.00829
	0.008237	0.007894			
0.451612903225806		0.008442	0.008434	0.008378	0.008254
	0.008194	0.007833			
0.483870967741936		0.00841	0.008407	0.008363	0.008222
	0.008174	0.007818			
0.516129032258065		0.008409	0.008402	0.008336	0.008182
	0.008123	0.007813			
0.548387096774194		0.008335	0.008328	0.008263	0.008144
	0.008086	0.007771			
0.580645161290323		0.008333	0.008326	0.008257	0.008134
	0.008069	0.007735			
0.612903225806452		0.008275	0.008269	0.008207	0.008089
	0.008013	0.007723			
0.645161290322581		0.008214	0.008207	0.00815	0.00803
	0.007976	0.007676			
0.67741935483871		0.008197	0.00819	0.008138	0.008022
	0.00796	0.007643			
0.709677419354839		0.008195	0.008189	0.008127	0.007996
	0.007897	0.007638			
0.741935483870968		0.008194	0.008186	0.008116	0.007931
	0.007809	0.007537			
0.774193548387097		0.008047	0.008041	0.007982	0.007852
	0.007795	0.007497			
0.806451612903226		0.00755	0.007543	0.007493	0.007357
	0.007247	0.007004			
0.838709677419355		0.007339	0.007333	0.007285	0.007148
	0.00705	0.006771			
0.870967741935484		0.006901	0.006894	0.006844	0.006715
	0.006617	0.006316			

0.903225806451613	0.006153	0.006147	0.006108	0.005996
0.005903	0.005531			
0.935483870967742	0.004514	0.004511	0.004486	0.004432
0.004323	0.003522			
0.967741935483871	0.001954	0.001953	0.001946	0.001921
0.001901	0.00142			
0.1	0.0090099	0.0090065	0.0089721	0.0088779
0.008319				0.0087994

Average of yearly

averages: 0.0073787

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-air-2ap-180int

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.11	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	180	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none	none, monthly or	
total(average of entire run)			

4. CA almond WirrigSTD: Almond, Filbert, Pecan, Walnut. January 1, 4 Applications with 2 start dates, Aerial.

4.1. Water Column

stored as esfen-agdrift-almond-air-4ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt

modified Wedday, 13 June 2007

at 11:17:16

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf

modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1639 0.007567	0.04669	0.02237	0.01302	0.01123
1962	0.1722 0.01667	0.05512	0.0303	0.02083	0.01927
1963	0.1801 0.02439	0.06379	0.03932	0.02962	0.02753
1964	0.1844 0.02758	0.06682	0.04246	0.03264	0.03051
1965	0.1849 0.02921	0.06852	0.04415	0.03431	0.03223
1966	0.1871 0.0302	0.06944	0.04495	0.03519	0.03303
1967	0.1888 0.03251	0.07204	0.04757	0.03778	0.03573
1968	0.188 0.03218	0.07148	0.04705	0.03712	0.03507
1969	0.1891 0.03322	0.07261	0.04815	0.03838	0.03636
1970	0.1892 0.03344	0.0726	0.04864	0.03847	0.03645
1971	0.1897 0.03344	0.07291	0.04846	0.03853	0.03627
1972	0.1901 0.03315	0.07238	0.04796	0.03799	0.03606
1973	0.1909 0.03417	0.07657	0.04936	0.03947	0.03745
1974	0.1908 0.03378	0.07309	0.04854	0.03885	0.03668
1975	0.1897 0.03353	0.07305	0.04857	0.03861	0.03654
1976	0.1886 0.03278	0.07246	0.04791	0.03785	0.03565
1977	0.1885 0.03275	0.07211	0.04776	0.03783	0.03563
1978	0.1898 0.03426	0.07339	0.05047	0.03987	0.03778
1979	0.1942 0.03438	0.07498	0.04974	0.03967	0.03763
1980	0.1903 0.0347	0.07542	0.04957	0.03976	0.03775
1981	0.19 0.03456	0.07372	0.04931	0.03949	0.03757

1982	0.1922 0.03672	0.08039	0.0523	0.04151	0.03944	
1983	0.1931	0.07643	0.05198	0.04203	0.04022	0.037
1984	0.1921 0.03522	0.07478	0.05035	0.04075	0.03879	
1985	0.1896	0.07321	0.04886	0.03895	0.03703	0.034
1986	0.1911 0.03533	0.07455	0.05024	0.04044	0.03857	
1987	0.1901 0.03453	0.07375	0.04935	0.03953	0.03775	
1988	0.1893 0.03338	0.07273	0.04837	0.03861	0.03666	
1989	0.1887 0.03287	0.07196	0.04756	0.03765	0.03564	
1990	0.191 0.03394	0.07325	0.05016	0.03964	0.03752	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.04022	0.1942	0.08039	0.0523	0.04203
0.0645161290322581	0.03944	0.1931	0.07657	0.05198	0.04151
0.0967741935483871	0.03879	0.1922	0.07643	0.05047	0.04075
0.129032258064516	0.03857	0.1921	0.07542	0.05035	0.04044
0.161290322580645	0.03778	0.1911	0.07498	0.05024	0.03987
0.193548387096774	0.03775	0.191	0.07478	0.05016	0.03976
0.225806451612903	0.03775	0.1909	0.07455	0.04974	0.03967
0.258064516129032	0.03763	0.1908	0.07375	0.04957	0.03964
0.290322580645161	0.03757	0.1903	0.07372	0.04936	0.03953
0.32258064516129	0.03752	0.1901	0.07339	0.04935	0.03949
0.354838709677419	0.03745	0.1901	0.07325	0.04931	0.03947
0.387096774193548	0.03703	0.19	0.07321	0.04886	0.03895
0.419354838709677	0.03668	0.1898	0.07309	0.04864	0.03885
0.451612903225806	0.03666	0.1897	0.07305	0.04857	0.03861
0.483870967741936	0.03654	0.1897	0.07291	0.04854	0.03861
0.516129032258065	0.03645	0.1896	0.07273	0.04846	0.03853
0.548387096774194	0.03636	0.1893	0.07261	0.04837	0.03847
0.580645161290323	0.03627	0.1892	0.0726	0.04815	0.03838

0.612903225806452	0.1891	0.07246	0.04796	0.03799
0.03606	0.03315			
0.645161290322581	0.1888	0.07238	0.04791	0.03785
0.03573	0.03287			
0.67741935483871	0.1887	0.07211	0.04776	0.03783
0.03565	0.03278			
0.709677419354839	0.1886	0.07204	0.04757	0.03778
0.03564	0.03275			
0.741935483870968	0.1885	0.07196	0.04756	0.03765
0.03563	0.03251			
0.774193548387097	0.188	0.07148	0.04705	0.03712
0.03507	0.03218			
0.806451612903226	0.1871	0.06944	0.04495	0.03519
0.03303	0.0302			
0.838709677419355	0.1849	0.06852	0.04415	0.03431
0.03223	0.02921			
0.870967741935484	0.1844	0.06682	0.04246	0.03264
0.03051	0.02758			
0.903225806451613	0.1801	0.06379	0.03932	0.02962
0.02753	0.02439			
0.935483870967742	0.1722	0.05512	0.0303	0.02083
0.01927	0.01667			
0.967741935483871	0.1639	0.04669	0.02237	0.01302
0.01123	0.007567			
0.1	0.19219	0.076329	0.050458	0.040719
	0.035319			

Average of yearly

averages: 0.0317152333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-air-4ap

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.08	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	

Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date	Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	170	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

4.2. Pore Water

stored as esfen-agdrift-almond-air-4apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAalmond_WirrigSTD.txt

modified Wedday, 13 June 2007

at 11:17:16

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.00284 0.002053	0.002839	0.002829	0.002792	0.002762
1962	0.006585 0.005122	0.006582	0.006544	0.006466	0.006307
1963	0.008946 0.008055	0.008941	0.008881	0.008717	0.008586
1964	0.01004 0.009201	0.01003	0.009953	0.009766	0.009632
1965	0.01065 0.009849	0.01065	0.01058	0.01038	0.01025
1966	0.01096 0.01019	0.01095	0.01088	0.01068	0.01054
1967	0.0119 0.01097	0.01189	0.01179	0.01153	0.01139
1968	0.01169 0.01091	0.01168	0.0116	0.01142	0.01133
1969	0.01211 0.01125	0.0121	0.01201	0.01176	0.01168
1970	0.0121 0.01132	0.01209	0.012	0.01186	0.01177

1971	0.01222 0.01138	0.0122	0.01211	0.0119	0.01181
1972	0.01202 0.01126	0.01201	0.01192	0.01182	0.01172
1973	0.01235 0.01157	0.01234	0.01224	0.01209	0.01205
1974	0.01227 0.01149	0.01226	0.01217	0.012	0.01191
1975	0.01226 0.0114	0.01225	0.01214	0.01195	0.01188
1976	0.01193 0.01113	0.01192	0.01184	0.01166	0.01156
1977	0.0119 0.01111	0.01189	0.01182	0.01161	0.01146
1978	0.01241 0.0116	0.0124	0.0123	0.01216	0.01209
1979	0.01247 0.01167	0.01245	0.01236	0.01225	0.01217
1980	0.01261 0.01179	0.0126	0.01251	0.01228	0.0122
1981	0.01249 0.01174	0.01248	0.01239	0.0123	0.01222
1982	0.0133 0.01244	0.01329	0.0132	0.01296	0.0128
1983	0.01349 0.01261	0.01348	0.01339	0.0132	0.01314
1984	0.013 0.01202	0.013	0.01295	0.01283	0.01271
1985	0.01233 0.01157	0.01232	0.01226	0.01217	0.01208
1986	0.01282 0.01197	0.01282	0.01272	0.01247	0.01234
1987	0.01253 0.01175	0.01252	0.01245	0.01236	0.01229
1988	0.01219 0.01135	0.01218	0.01216	0.01204	0.01193
1989	0.01188 0.01115	0.01187	0.01178	0.01165	0.01157
1990	0.01234 0.0115	0.01232	0.01223	0.01215	0.01206

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01314	0.01349	0.01348	0.01339	0.0132
0.0645161290322581	0.0128	0.0133	0.01329	0.0132	0.01296
0.0967741935483871	0.01271	0.013	0.013	0.01295	0.01283
0.129032258064516	0.01234	0.01282	0.01282	0.01272	0.01247
0.161290322580645	0.01229	0.01261	0.0126	0.01251	0.01236
0.193548387096774	0.01222	0.01253	0.01252	0.01245	0.0123

0.225806451612903	0.01249	0.01248	0.01239	0.01228
0.0122	0.01174			
0.258064516129032	0.01247	0.01245	0.01236	0.01225
0.01217	0.01167			
0.290322580645161	0.01241	0.0124	0.0123	0.01217
0.01209	0.0116			
0.32258064516129	0.01235	0.01234	0.01226	0.01216
0.01208	0.01157			
0.354838709677419	0.01234	0.01232	0.01224	0.01215
0.01206	0.01157			
0.387096774193548	0.01233	0.01232	0.01223	0.01209
0.01205	0.0115			
0.419354838709677	0.01227	0.01226	0.01217	0.01204
0.01193	0.01149			
0.451612903225806	0.01226	0.01225	0.01216	0.012
0.01191	0.0114			
0.483870967741936	0.01222	0.0122	0.01214	0.01195
0.01188	0.01138			
0.516129032258065	0.01219	0.01218	0.01211	0.0119
0.01181	0.01135			
0.548387096774194	0.01211	0.0121	0.01201	0.01186
0.01177	0.01132			
0.580645161290323	0.0121	0.01209	0.012	0.01182
0.01172	0.01126			
0.612903225806452	0.01202	0.01201	0.01192	0.01176
0.01168	0.01125			
0.645161290322581	0.01193	0.01192	0.01184	0.01166
0.01157	0.01115			
0.67741935483871	0.0119	0.01189	0.01182	0.01165
0.01156	0.01113			
0.709677419354839	0.0119	0.01189	0.01179	0.01161
0.01146	0.01111			
0.741935483870968	0.01188	0.01187	0.01178	0.01153
0.01139	0.01097			
0.774193548387097	0.01169	0.01168	0.0116	0.01142
0.01133	0.01091			
0.806451612903226	0.01096	0.01095	0.01088	0.01068
0.01054	0.01019			
0.838709677419355	0.01065	0.01065	0.01058	0.01038
0.01025	0.009849			
0.870967741935484	0.01004	0.01003	0.009953	0.009766
0.009632	0.009201			
0.903225806451613	0.008946	0.008941	0.008881	0.008717
0.008586	0.008055			
0.935483870967742	0.006585	0.006582	0.006544	0.006466
0.006307	0.005122			
0.967741935483871	0.00284	0.002839	0.002829	0.002792
0.002762	0.002053			
0.1	0.012982	0.012982	0.012927	0.012794
0.012015				

Average of yearly

averages: 0.010714

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-almond-air-4ap

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol
Vapor Pressure	vapr	4.5E-7	torr
Solubility	sol	0.006	mg/L
Kd	Kd		mg/L
Koc	Koc	251717	mg/L
Photolysis half-life	kdp	9	days Half-life
Aerobic Aquatic Metabolism	kbacw	276	days
Halfife			
Anaerobic Aquatic Metabolism	kbacs	462	days
Halfife			
Aerobic Soil Metabolism	asm	138	days Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.08	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	170	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

5. CAColeCropRLF: Broccoli, Chinese Broccoli, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kohlrabi, Mustard. May 1, 24 Applications, Aerial.

5.1. Water Column

stored as esfen-agdrift-cole-air-24ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.2257 0.02486	0.09332	0.05492	0.04604	0.04438	
1962	0.3216 0.07735	0.1171	0.1004	0.09776	0.0951	
1963	0.4676 0.1205	0.23	0.14	0.1384	0.1363	
1964	0.5866 0.1464	0.2505	0.1622	0.1608	0.1589	
1965	0.2791 0.1624	0.1975	0.1784	0.1772	0.1754	
1966	0.2883	0.2197	0.1899	0.1868	0.185	0.174
1967	1.084 0.2187	0.456	0.2654	0.231	0.2299	
1968	0.4055 0.2206	0.2887	0.2319	0.2319	0.2309	
1969	0.4783	0.2966	0.2429	0.2423	0.2412	0.231
1970	0.5652 0.2323	0.3513	0.2539	0.2399	0.2388	
1971	0.3915 0.2319	0.266	0.2433	0.2437	0.2428	
1972	0.4365 0.2193	0.2885	0.233	0.2288	0.2276	
1973	0.6283 0.2426	0.3398	0.263	0.251	0.2486	
1974	0.3923 0.2492	0.2794	0.2601	0.2604	0.2596	
1975	0.5186 0.2473	0.3129	0.2593	0.2594	0.2584	
1976	0.3541 0.2345	0.2751	0.2454	0.2457	0.2447	
1977	0.4954 0.2261	0.2887	0.2358	0.2359	0.2347	
1978	0.5349 0.2446	0.3112	0.254	0.2547	0.2538	
1979	0.5816 0.2523	0.3322	0.2653	0.26	0.2593	
1980	0.3995 0.2535	0.3062	0.2707	0.264	0.2631	
1981	0.6087 0.2489	0.3411	0.2662	0.2557	0.2552	
1982	1.413 0.2898	0.555	0.3247	0.2946	0.2939	
1983	0.4647 0.2949	0.3479	0.3097	0.3033	0.3024	
1984	0.5235 0.2705	0.3275	0.2827	0.2761	0.2753	
1985	0.465 0.2631	0.306	0.2701	0.2708	0.2701	
1986	0.5464 0.2691	0.3672	0.2884	0.2792	0.2784	
1987	0.4412 0.2534	0.3167	0.2656	0.2621	0.2615	

1988	0.3439 0.2339	0.2561	0.2434	0.2434	0.2425
1989	0.349 0.2225	0.249	0.2343	0.2333	0.2319
1990	0.3294 0.2158	0.2458	0.2271	0.2273	0.2264

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.3024	1.413	0.555	0.3247	0.3033
0.0645161290322581	0.2939	1.084	0.456	0.3097	0.2946
0.0967741935483871	0.2784	0.6283	0.3672	0.2884	0.2792
0.129032258064516	0.2753	0.6087	0.3513	0.2827	0.2761
0.161290322580645	0.2701	0.5866	0.3479	0.2707	0.2708
0.193548387096774	0.2631	0.5816	0.3411	0.2701	0.264
0.225806451612903	0.2615	0.5652	0.3398	0.2662	0.2621
0.258064516129032	0.2596	0.5464	0.3322	0.2656	0.2604
0.290322580645161	0.2593	0.5349	0.3275	0.2654	0.26
0.32258064516129	0.2584	0.5235	0.3167	0.2653	0.2594
0.354838709677419	0.2552	0.5186	0.3129	0.263	0.2557
0.387096774193548	0.2538	0.4954	0.3112	0.2601	0.2547
0.419354838709677	0.2486	0.4783	0.3062	0.2593	0.251
0.451612903225806	0.2447	0.4676	0.306	0.254	0.2457
0.483870967741936	0.2428	0.465	0.2966	0.2539	0.2437
0.516129032258065	0.2425	0.4647	0.2887	0.2454	0.2434
0.548387096774194	0.2412	0.4412	0.2887	0.2434	0.2423
0.580645161290323	0.2388	0.4365	0.2885	0.2433	0.2399
0.612903225806452	0.2347	0.4055	0.2794	0.2429	0.2359
0.645161290322581	0.2319	0.3995	0.2751	0.2358	0.2333
0.67741935483871	0.2309	0.3923	0.266	0.2343	0.2319
0.709677419354839	0.2299	0.3915	0.2561	0.233	0.231
0.741935483870968	0.2276	0.3541	0.2505	0.2319	0.2288
		0.2187			

0.774193548387097	0.349	0.249	0.2271	0.2273	
0.2264	0.2158				
0.806451612903226	0.3439	0.2458	0.1899	0.1868	0.185
0.174					
0.838709677419355	0.3294	0.23	0.1784	0.1772	
0.1754	0.1624				
0.870967741935484	0.3216	0.2197	0.1622	0.1608	
0.1589	0.1464				
0.903225806451613	0.2883	0.1975	0.14	0.1384	
0.1363	0.1205				
0.935483870967742	0.2791	0.1171	0.1004	0.09776	
0.0951	0.07735				
0.967741935483871	0.2257	0.09332	0.05492	0.04604	
0.04438	0.02486				
0.1	0.62634	0.36561	0.28783	0.27889	0.27809
0.27036					

Average of yearly

averages: 0.219043666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-air-24ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date	01-05	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1 interval	7	days		Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days		Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha		

Interval 3 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate	kg/ha	
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate	kg/ha	
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate	kg/ha	
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate	kg/ha	
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate	kg/ha	
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate	kg/ha	
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate	kg/ha	
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate	kg/ha	
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate	kg/ha	
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate	kg/ha	
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate	kg/ha	
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate	kg/ha	

Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

5.2. Pore Water

stored as esfen-agdrift-cole-air-24apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01502 0.005798	0.01502	0.01497	0.01372	0.01318
1962	0.03052 0.0243	0.0305	0.03034	0.03004	0.02982
1963	0.04486 0.03935	0.04484	0.04469	0.04439	0.04436
1964	0.05339 0.0492	0.05337	0.05316	0.05268	0.05256
1965	0.05923 0.05503	0.0592	0.05899	0.05846	0.05833
1966	0.06304 0.05932	0.06301	0.06286	0.06209	0.06186
1967	0.07721 0.07414	0.07716	0.07702	0.07687	0.07671
1968	0.07768 0.07587	0.07764	0.07745	0.07723	0.07709
1969	0.08132 0.07946	0.08127	0.08112	0.08093	0.08077
1970	0.08298 0.07958	0.08295	0.08266	0.08091	0.08062
1971	0.08177 0.08042	0.08173	0.08153	0.08141	0.08133
1972	0.07833 0.07575	0.07829	0.07796	0.07714	0.07678
1973	0.08785 0.0827	0.08782	0.08749	0.08577	0.08486
1974	0.08776 0.08642	0.08771	0.08758	0.08744	0.08735

1975	0.08752 0.08552	0.08748	0.08731	0.0871	0.08697	
1976	0.08351 0.0814	0.08343	0.08309	0.0823	0.08226	
1977	0.08079 0.07809	0.08076	0.08049	0.07977	0.07915	
1978	0.0856 0.08391	0.08555	0.0854	0.08534	0.08527	
1979	0.08832 0.08677	0.08828	0.08805	0.08766	0.08729	
1980	0.08977 0.08759	0.08972	0.08936	0.08874	0.08862	
1981	0.08896 0.08569	0.08892	0.08859	0.08755	0.08698	
1982	0.1018 0.09895	0.1018	0.1016	0.1005	0.1	
1983	0.1048	0.1048	0.1045	0.1038	0.1036	0.102
1984	0.09923	0.09912	0.09864	0.09762	0.09686	0.094
1985	0.09327 0.0913	0.09323	0.09294	0.09263	0.09256	
1986	0.0962 0.09296	0.09616	0.09574	0.09464	0.09434	
1987	0.091 0.08795	0.09096	0.09067	0.09003	0.08994	
1988	0.08429 0.08114	0.08425	0.08399	0.08366	0.08313	
1989	0.07844 0.07686	0.07836	0.07806	0.07784	0.07764	
1990	0.0764 0.07467	0.07637	0.0762	0.07593	0.07562	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.1036	0.1048	0.1048	0.1045	0.1038	
0.0645161290322581	0.09895	0.1018	0.1018	0.1016	0.1005	0.1
0.0967741935483871	0.09686	0.09923	0.09912	0.09864	0.09762	
0.129032258064516	0.09434	0.0962	0.09616	0.09574	0.09464	
0.161290322580645	0.09256	0.09327	0.09323	0.09294	0.09263	
0.193548387096774	0.08994	0.091	0.09096	0.09067	0.09003	
0.225806451612903	0.08862	0.08977	0.08972	0.08936	0.08874	
0.258064516129032	0.08735	0.08896	0.08892	0.08859	0.08766	
0.290322580645161	0.08729	0.08832	0.08828	0.08805	0.08755	
0.32258064516129	0.08698	0.08785	0.08782	0.08758	0.08744	
0.354838709677419	0.08697	0.08776	0.08771	0.08749	0.0871	
		0.08552				

0.387096774193548	0.08752	0.08748	0.08731	0.08577
0.08527	0.08391			
0.419354838709677	0.0856	0.08555	0.0854	0.08534
0.08486	0.0827			
0.451612903225806	0.08429	0.08425	0.08399	0.08366
0.08313	0.0814			
0.483870967741936	0.08351	0.08343	0.08309	0.0823
0.08226	0.08114			
0.516129032258065	0.08298	0.08295	0.08266	0.08141
0.08133	0.08042			
0.548387096774194	0.08177	0.08173	0.08153	0.08093
0.08077	0.07958			
0.580645161290323	0.08132	0.08127	0.08112	0.08091
0.08062	0.07946			
0.612903225806452	0.08079	0.08076	0.08049	0.07977
0.07915	0.07809			
0.645161290322581	0.07844	0.07836	0.07806	0.07784
0.07764	0.07686			
0.67741935483871	0.07833	0.07829	0.07796	0.07723
0.07709	0.07587			
0.709677419354839	0.07768	0.07764	0.07745	0.07714
0.07678	0.07575			
0.741935483870968	0.07721	0.07716	0.07702	0.07687
0.07671	0.07467			
0.774193548387097	0.0764	0.07637	0.0762	0.07593
0.07562	0.07414			
0.806451612903226	0.06304	0.06301	0.06286	0.06209
0.06186	0.05932			
0.838709677419355	0.05923	0.0592	0.05899	0.05846
0.05833	0.05503			
0.870967741935484	0.05339	0.05337	0.05316	0.05268
0.05256	0.0492			
0.903225806451613	0.04486	0.04484	0.04469	0.04439
0.04436	0.03935			
0.935483870967742	0.03052	0.0305	0.03034	0.03004
0.02982	0.0243			
0.967741935483871	0.01502	0.01502	0.01497	0.01372
0.01318	0.005798			
0.1	0.098927	0.098824	0.09835	0.097322
	0.093896			0.096608

Average of yearly

averages: 0.0752046

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-air-24ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	
Spray Drift DRFT	0.063		fraction of	application rate applied to pond	
Application Date	Date		01-05	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days	Set to 0 or delete line for single app.	
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days	Set to 0 or delete line for single app.	
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days	Set to 0 or delete line for single app.	
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days	Set to 0 or delete line for single app.	
app. rate 6 apprate			kg/ha		
Interval 7 interval	7		days	Set to 0 or delete line for single app.	
app. rate 7 apprate			kg/ha		
Interval 8 interval	7		days	Set to 0 or delete line for single app.	
app. rate 8 apprate			kg/ha		
Interval 9 interval	7		days	Set to 0 or delete line for single app.	
app. rate 9 apprate			kg/ha		
Interval 10 interval	7		days	Set to 0 or delete line for single app.	
app. rate 10	apprate		kg/ha		
Interval 11 interval	7		days	Set to 0 or delete line for single app.	
app. rate 11	apprate		kg/ha		
Interval 12 interval	7		days	Set to 0 or delete line for single app.	
app. rate 12	apprate		kg/ha		
Interval 13 interval	7		days	Set to 0 or delete line for single app.	
app. rate 13	apprate		kg/ha		

Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate		kg/ha
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

6. CAColeCropRLF: Broccoli, Chinese Broccoli, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kohlrabi, Mustard. May 1, 24 Applications, Ground.

6.1. Water Column

stored as esfen-agdrift-cole-grd-24ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				
1961	0.2046	0.06656	0.0265	0.01501	0.01146
	0.004438				

1962	0.3054 0.03203	0.09236	0.055	0.0418	0.03859	
1963	0.4339 0.05594	0.1863	0.0761	0.06379	0.06224	
1964	0.5395 0.06667	0.1893	0.0906	0.07551	0.07256	
1965	0.1982 0.07005	0.1071	0.08337	0.07384	0.07262	
1966	0.1813 0.07152	0.1186	0.08785	0.07631	0.0737	
1967	1.022 0.1103	0.3684	0.1703	0.1301	0.1271	
1968	0.3101 0.1071	0.1884	0.1244	0.1181	0.1156	
1969	0.3801 0.1129	0.1909	0.1355	0.128	0.1248	
1970	0.461 0.1117	0.2383	0.1394	0.1245	0.1205	
1971	0.2869	0.1562	0.1236	0.1164	0.1148	0.108
1972	0.3206 0.09228	0.1664	0.1089	0.09729	0.0954	
1973	0.52 0.1148	0.2209	0.1388	0.1268	0.1227	
1974	0.2826 0.1201	0.1651	0.1363	0.1299	0.1284	
1975	0.412 0.1164	0.1978	0.1392	0.1284	0.1259	
1976	0.237 0.1017	0.1547	0.1169	0.1096	0.1082	
1977	0.3765 0.09275	0.1623	0.11	0.1014	0.09912	
1978	0.4263 0.1128	0.1934	0.1322	0.1235	0.1217	
1979	0.4708 0.1208	0.211	0.1415	0.1335	0.1317	
1980	0.2821 0.1227	0.1848	0.1514	0.1369	0.1336	
1981	0.4948 0.1178	0.216	0.1423	0.1286	0.1255	
1982	1.337 0.1596	0.4433	0.2039	0.1721	0.1703	
1983	0.347 0.1653	0.2277	0.1885	0.1822	0.1793	
1984	0.409 0.1424	0.2049	0.1586	0.1513	0.1504	
1985	0.3482 0.1346	0.1885	0.1503	0.1461	0.1437	
1986	0.4415 0.1409	0.253	0.1713	0.1634	0.158	
1987	0.3293 0.1248	0.1997	0.1471	0.1374	0.1355	
1988	0.1875 0.1058	0.1357	0.1183	0.1156	0.114	
1989	0.2289 0.09377	0.1248	0.1047	0.09912	0.09796	
1990	0.188 0.08659	0.1154	0.09575	0.09325	0.092	

Sorted results						
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.1793	1.337	0.4433	0.2039	0.1822	
0.0645161290322581	0.1703	0.1653	0.3684	0.1885	0.1721	
0.0967741935483871	0.1424	1.022	0.253	0.1713	0.1634	0.158
0.129032258064516	0.1504	0.1596	0.2383	0.1703	0.1513	
0.161290322580645	0.1437	0.52	0.2277	0.1586	0.1461	
0.193548387096774	0.1355	0.1409	0.2209	0.1514	0.1374	
0.225806451612903	0.1336	0.4948	0.216	0.1503	0.1369	
0.258064516129032	0.1317	0.1346	0.211	0.1471	0.1335	
0.290322580645161	0.1284	0.4708	0.2049	0.1423	0.1301	
0.32258064516129	0.1271	0.1248	0.1997	0.1415	0.1299	
0.354838709677419	0.1259	0.461	0.1978	0.1394	0.1286	
0.387096774193548	0.1255	0.1227	0.1934	0.1392	0.1284	
0.419354838709677	0.1248	0.4415	0.1909	0.1388	0.128	
0.451612903225806	0.1227	0.1208	0.1893	0.1363	0.1268	
0.483870967741936	0.1217	0.4339	0.1885	0.1355	0.1245	
0.516129032258065	0.1205	0.1201	0.1884	0.1322	0.1235	
0.548387096774194	0.1156	0.4263	0.1863	0.1244	0.1181	
0.580645161290323	0.1148	0.1178	0.1848	0.1236	0.1164	
0.612903225806452	0.1058	0.412	0.1664	0.1183	0.1156	0.114
0.645161290322581	0.1082	0.1164	0.1651	0.1169	0.1096	
0.67741935483871	0.09912	0.409	0.1623	0.11	0.1014	
0.709677419354839	0.09796	0.1148	0.1562	0.1089	0.09912	
0.741935483870968	0.0954	0.3801	0.1547	0.1047	0.09729	
0.774193548387097	0.08659	0.1129	0.1357	0.09575	0.09325	0.092
0.806451612903226	0.0737	0.3765	0.1248	0.0906	0.07631	
0.838709677419355	0.07262	0.3482	0.1186	0.08785	0.07551	
		0.1117				
		0.347				
		0.3293				
		0.3206				
		0.3101				
		0.3054				
		0.2869				
		0.2826				
		0.2821				
		0.2737				
		0.2626				
		0.2527				
		0.2428				
		0.2329				
		0.2230				
		0.2131				
		0.2032				
		0.1933				
		0.1834				
		0.1735				
		0.1636				
		0.1537				
		0.1438				
		0.1339				
		0.1240				
		0.1141				
		0.1042				
		0.0943				
		0.0844				
		0.0745				
		0.0646				
		0.0547				
		0.0448				
		0.0349				
		0.0250				
		0.0151				
		0.0052				

0.870967741935484	0.1982	0.1154	0.08337	0.07384
0.07256	0.06667			
0.903225806451613	0.188	0.1071	0.0761	0.06379
0.06224	0.05594			
0.935483870967742	0.1875	0.09236	0.055	0.0418
0.03859	0.03203			
0.967741935483871	0.1813	0.06656	0.0265	0.01501
0.01146	0.004438			
0.1	0.53755	0.25153	0.1712	0.16219
0.14225				0.15724

Average of yearly

averages: 0.1038846

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-grd-24ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-05	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	

Interval 5 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate	kg/ha	
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate	kg/ha	
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate	kg/ha	
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate	kg/ha	
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate	kg/ha	
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate	kg/ha	
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate	kg/ha	
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate	kg/ha	
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate	kg/ha	
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate	kg/ha	
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate	kg/ha	
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate	kg/ha	
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate	kg/ha	
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate	kg/ha	

Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

6.2. Pore Water

stored as esfen-agdrift-cole-grd-24apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.004619 0.0009275	0.004617	0.004602	0.003235	0.00261
1962	0.01148 0.01045	0.01148	0.01143	0.01135	0.01132
1963	0.0204 0.01852	0.0204	0.02032	0.02022	0.02015
1964	0.0242 0.02293	0.02419	0.0241	0.02399	0.02391
1965	0.0255 0.02422	0.02549	0.0254	0.02496	0.02484
1966	0.02635 0.02489	0.02634	0.02625	0.02604	0.02584
1967	0.04093 0.03754	0.04091	0.04077	0.04043	0.04022
1968	0.04019 0.03744	0.04017	0.04002	0.03965	0.03938
1969	0.04232 0.03938	0.0423	0.04222	0.04208	0.04193
1970	0.04118 0.03862	0.04116	0.04097	0.04072	0.04061
1971	0.04081 0.0383	0.04079	0.04063	0.04039	0.04013
1972	0.03499 0.03248	0.03496	0.03482	0.03457	0.0343
1973	0.04311 0.03908	0.04309	0.04293	0.04088	0.04068
1974	0.04543 0.04241	0.04541	0.04521	0.04476	0.04446
1975	0.04401 0.04082	0.044	0.04384	0.04358	0.04329
1976	0.03871 0.03604	0.0387	0.03855	0.03817	0.0379
1977	0.03526 0.03253	0.03525	0.03513	0.03485	0.03459

1978	0.04193 0.03888	0.04191	0.04173	0.04161	0.04144
1979	0.04492 0.04184	0.0449	0.0447	0.0443	0.04418
1980	0.04675 0.04295	0.04674	0.04654	0.04607	0.04575
1981	0.04332 0.04091	0.0433	0.04313	0.04288	0.04278
1982	0.05821 0.05445	0.05818	0.05793	0.05745	0.05704
1983	0.06233 0.05774	0.06231	0.06214	0.06159	0.06119
1984	0.0551 0.05033	0.05504	0.05478	0.05425	0.0539
1985	0.05076 0.04751	0.05074	0.05051	0.05027	0.05013
1986	0.05425 0.04924	0.05423	0.054	0.05336	0.05291
1987	0.04793 0.04413	0.04791	0.04782	0.0475	0.0471
1988	0.04067 0.03747	0.04066	0.04056	0.04039	0.04022
1989	0.035 0.03297	0.03498	0.03485	0.03447	0.03425
1990	0.03287 0.03063	0.03286	0.03275	0.03245	0.03236

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.06119	0.06233	0.06231	0.06214	0.06159
0.0645161290322581	0.05704	0.05774	0.05818	0.05793	0.05745
0.0967741935483871	0.0539	0.0551	0.05504	0.05478	0.05425
0.129032258064516	0.05291	0.05033	0.05423	0.054	0.05336
0.161290322580645	0.05013	0.05425	0.05074	0.05051	0.05027
0.193548387096774	0.0471	0.04751	0.04791	0.04782	0.0475
0.225806451612903	0.04575	0.04793	0.04674	0.04654	0.04607
0.258064516129032	0.04446	0.04675	0.04541	0.04521	0.04476
0.290322580645161	0.04418	0.04295	0.04492	0.0447	0.0443
0.32258064516129	0.04329	0.04241	0.044	0.04384	0.04358
0.354838709677419	0.04278	0.04401	0.0433	0.04313	0.04288
0.387096774193548	0.04193	0.04332	0.04309	0.04293	0.04208
0.419354838709677	0.04144	0.04082	0.0423	0.04222	0.04161
		0.04311			
		0.03938			
		0.04232			
		0.03908			

0.451612903225806	0.04193	0.04191	0.04173	0.04088
0.04068	0.03888			
0.483870967741936	0.04118	0.04116	0.04097	0.04072
0.04061	0.03862			
0.516129032258065	0.04093	0.04091	0.04077	0.04043
0.04022	0.0383			
0.548387096774194	0.04081	0.04079	0.04063	0.04039
0.04022	0.03754			
0.580645161290323	0.04067	0.04066	0.04056	0.04039
0.04013	0.03747			
0.612903225806452	0.04019	0.04017	0.04002	0.03965
0.03938	0.03744			
0.645161290322581	0.03871	0.0387	0.03855	0.03817
0.0379	0.03604			
0.67741935483871	0.03526	0.03525	0.03513	0.03485
0.03459	0.03297			
0.709677419354839	0.035	0.03498	0.03485	0.03457
0.0343	0.03253			
0.741935483870968	0.03499	0.03496	0.03482	0.03447
0.03425	0.03248			
0.774193548387097	0.03287	0.03286	0.03275	0.03245
0.03236	0.03063			
0.806451612903226	0.02635	0.02634	0.02625	0.02604
0.02584	0.02489			
0.838709677419355	0.0255	0.02549	0.0254	0.02496
0.02484	0.02422			
0.870967741935484	0.0242	0.02419	0.0241	0.02399
0.02391	0.02293			
0.903225806451613	0.0204	0.0204	0.02032	0.02022
0.02015	0.01852			
0.935483870967742	0.01148	0.01148	0.01143	0.01135
0.01132	0.01045			
0.967741935483871	0.004619	0.004617	0.004602	0.003235
0.00261	0.0009275			
0.1	0.055015	0.054959	0.054702	0.054161
	0.050221			0.053801

Average of yearly

averages: 0.0361875833333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-grd-24ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life

Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH	7 0	days		Half-life
Method:	CAM 1	integer		See PRZM manual
Incorporation Depth:	DEPI 4	cm		
Application Rate:	TAPP 0.06	kg/ha		
Application Efficiency:	APPEFF 0.99	fraction		
Spray Drift	DRFT 0.007	fraction of	application rate applied to pond	
Application Date	Date	01-05	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval 7	days	Set to 0 or delete line for single app.	
app. rate 1	apprate	kg/ha		
Interval 2	interval 7	days	Set to 0 or delete line for single app.	
app. rate 2	apprate	kg/ha		
Interval 3	interval 7	days	Set to 0 or delete line for single app.	
app. rate 3	apprate	kg/ha		
Interval 4	interval 7	days	Set to 0 or delete line for single app.	
app. rate 4	apprate	kg/ha		
Interval 5	interval 7	days	Set to 0 or delete line for single app.	
app. rate 5	apprate	kg/ha		
Interval 6	interval 7	days	Set to 0 or delete line for single app.	
app. rate 6	apprate	kg/ha		
Interval 7	interval 7	days	Set to 0 or delete line for single app.	
app. rate 7	apprate	kg/ha		
Interval 8	interval 7	days	Set to 0 or delete line for single app.	
app. rate 8	apprate	kg/ha		
Interval 9	interval 7	days	Set to 0 or delete line for single app.	
app. rate 9	apprate	kg/ha		
Interval 10	interval 7	days	Set to 0 or delete line for single app.	
app. rate 10	apprate	kg/ha		
Interval 11	interval 7	days	Set to 0 or delete line for single app.	
app. rate 11	apprate	kg/ha		
Interval 12	interval 7	days	Set to 0 or delete line for single app.	
app. rate 12	apprate	kg/ha		
Interval 13	interval 7	days	Set to 0 or delete line for single app.	
app. rate 13	apprate	kg/ha		
Interval 14	interval 7	days	Set to 0 or delete line for single app.	
app. rate 14	apprate	kg/ha		

Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

7. CAColeCropRLF: Broccoli, Chinese Broccoli, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kohlrabi, Mustard. May 1, 12 Applications, Aerial.

7.1. Water Column

stored as esfen-agdrift-cole-air-12ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1341 0.01408	0.04663	0.03299	0.02917	0.02584
1962	0.158 0.0374	0.07056	0.057	0.05355	0.05032

1963	0.1902 0.05651	0.09608	0.07606	0.07296	0.0698	
1964	0.239 0.06833	0.1059	0.08698	0.08419	0.08102	
1965	0.1958 0.07593	0.1083	0.09486	0.092	0.08891	
1966	0.2007 0.08151	0.1132	0.09978	0.0971	0.09406	
1967	0.439 0.1001	0.1906	0.1194	0.1173	0.1142	
1968	0.2211 0.1013	0.1335	0.1202	0.1179	0.115	
1969	0.2256 0.1059	0.138	0.1247	0.1225	0.1196	
1970	0.2359 0.1066	0.1512	0.1239	0.1217	0.1188	
1971	0.227 0.1067	0.1394	0.1261	0.1239	0.1209	
1972	0.2208 0.1019	0.1332	0.12	0.1178	0.1148	
1973	0.2615 0.1113	0.1472	0.1278	0.1258	0.1229	
1974	0.2342	0.1466	0.1334	0.1313	0.1284	0.114
1975	0.2337 0.1135	0.1461	0.1329	0.1308	0.1279	
1976	0.2284 0.1085	0.1408	0.1276	0.1255	0.1226	
1977	0.2243 0.1052	0.1367	0.1234	0.1212	0.1182	
1978	0.232 0.1124	0.1444	0.1312	0.129	0.1262	
1979	0.243 0.1155	0.1468	0.1337	0.1317	0.1288	
1980	0.2355 0.1158	0.1479	0.1347	0.1327	0.1298	
1981	0.2541 0.1141	0.1481	0.1312	0.1292	0.1264	
1982	0.5723 0.1303	0.2324	0.1476	0.1457	0.1429	
1983	0.2515 0.1323	0.1638	0.1507	0.1491	0.1463	
1984	0.2406 0.1223	0.153	0.1399	0.1381	0.1352	
1985	0.2384 0.1194	0.1508	0.1377	0.136	0.1331	
1986	0.2415 0.1218	0.1575	0.1407	0.1389	0.1361	
1987	0.2349 0.1155	0.1473	0.1341	0.1322	0.1294	
1988	0.2271 0.1077	0.1395	0.1263	0.1244	0.1214	
1989	0.2223 0.1033	0.1347	0.1215	0.1193	0.1164	
1990	0.221 0.1008	0.1334	0.1202	0.1186	0.1153	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.1463	0.5723	0.2324	0.1507	0.1491
0.0645161290322581	0.1429	0.439	0.1906	0.1476	0.1457
0.0967741935483871	0.1361	0.2615	0.1638	0.1407	0.1389
0.129032258064516	0.1352	0.2541	0.1575	0.1399	0.1381
0.161290322580645	0.1331	0.2515	0.153	0.1377	0.136
0.193548387096774	0.1298	0.243	0.1512	0.1347	0.1327
0.225806451612903	0.1294	0.2415	0.1508	0.1341	0.1322
0.258064516129032	0.1288	0.2406	0.1481	0.1337	0.1317
0.290322580645161	0.1284	0.239	0.1479	0.1334	0.1313
0.32258064516129	0.1279	0.2384	0.1473	0.1329	0.1308
0.354838709677419	0.1264	0.2359	0.1472	0.1312	0.1292
0.387096774193548	0.1262	0.2355	0.1468	0.1312	0.129
0.419354838709677	0.1229	0.2349	0.1466	0.1278	0.1258
0.451612903225806	0.1226	0.2342	0.1461	0.1276	0.1255
0.483870967741936	0.1214	0.2337	0.1444	0.1263	0.1244
0.516129032258065	0.1209	0.232	0.1408	0.1261	0.1239
0.548387096774194	0.1196	0.2284	0.1395	0.1247	0.1225
0.580645161290323	0.1188	0.2271	0.1394	0.1239	0.1217
0.612903225806452	0.1182	0.227	0.138	0.1234	0.1212
0.645161290322581	0.1164	0.2256	0.1367	0.1215	0.1193
0.67741935483871	0.1153	0.2243	0.1347	0.1202	0.1186
0.709677419354839	0.1013	0.2223	0.1335	0.1202	0.1179
0.741935483870968	0.1148	0.2211	0.1334	0.12	0.1178
0.774193548387097	0.1142	0.221	0.1332	0.1194	0.1173
0.806451612903226	0.09406	0.2208	0.1132	0.09978	0.0971
0.838709677419355	0.08891	0.2007	0.1083	0.09486	0.092
0.870967741935484	0.08102	0.1958	0.1059	0.08698	0.08419
		0.06833			

0.903225806451613	0.1902	0.09608	0.07606	0.07296
0.0698	0.05651			
0.935483870967742	0.158	0.07056	0.057	0.05355
0.05032	0.0374			
0.967741935483871	0.1341	0.04663	0.03299	0.02917
0.02584	0.01408			
0.1	0.26076	0.16317	0.14062	0.13882
	0.12225			0.13601

Average of yearly

averages: 0.1006653333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-air-12ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-05	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	

Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Interval 10	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 10	apprate		kg/ha	
Interval 11	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 11	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

7.2. Pore Water

stored as esfen-agdrift-cole-air-12apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.006976 0.003529	0.006973	0.006949	0.006462	0.006277
1962	0.01496 0.01177	0.01495	0.01487	0.01466	0.01451
1963	0.02178 0.01845	0.02177	0.02164	0.02137	0.02115
1964	0.02569 0.02291	0.02568	0.02553	0.02522	0.02498
1965	0.02853 0.02568	0.02851	0.02836	0.02804	0.02779
1966	0.03029 0.02774	0.03027	0.03011	0.02979	0.02954
1967	0.03732 0.03391	0.0373	0.03711	0.03674	0.03646
1968	0.03761 0.03478	0.03759	0.0374	0.03702	0.03673

1969	0.03922 0.03636	0.0392	0.03901	0.03864	0.03835	
1970	0.03894 0.03647	0.03891	0.03872	0.03836	0.03808	
1971	0.03973 0.03691	0.0397	0.03951	0.03912	0.03882	
1972	0.03752 0.03513	0.03749	0.0373	0.03693	0.03664	
1973	0.04034 0.03794	0.04031	0.04012	0.03976	0.03948	
1974	0.04231 0.03946	0.04229	0.04209	0.0417	0.04141	
1975	0.04215 0.03916	0.04212	0.04193	0.04155	0.04125	
1976	0.04024 0.03757	0.04021	0.04002	0.03963	0.03934	
1977	0.03876 0.03627	0.03874	0.03855	0.03817	0.03787	
1978	0.04154 0.03854	0.04152	0.04132	0.04094	0.04064	
1979	0.04241 0.03967	0.04238	0.04219	0.0418	0.0415	
1980	0.04281 0.03997	0.04278	0.04259	0.04221	0.04192	
1981	0.04155 0.03922	0.04152	0.04133	0.04095	0.04067	
1982	0.04742 0.0445	0.04739	0.04719	0.04679	0.04648	
1983	0.04852 0.04568	0.0485	0.04829	0.04789	0.04757	
1984	0.04463 0.04242	0.0446	0.0444	0.044	0.0437	
1985	0.04384 0.04134	0.04381	0.04361	0.04322	0.04293	
1986	0.04495	0.04493	0.04473	0.04435	0.04407	0.042
1987	0.04258 0.04001	0.04256	0.04236	0.04196	0.04166	
1988	0.03977 0.03728	0.03974	0.03954	0.03915	0.03886	
1989	0.03805 0.0356	0.03803	0.03783	0.03746	0.03718	
1990	0.03758 0.03481	0.03756	0.03736	0.03698	0.03668	
Sorted results						
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.04757	0.04852 0.04568	0.0485	0.04829	0.04789	
0.0645161290322581	0.04648	0.04742 0.0445	0.04739	0.04719	0.04679	
0.0967741935483871	0.04407	0.04495 0.04242	0.04493	0.04473	0.04435	
0.129032258064516	0.0437	0.04463 0.042	0.0446	0.0444	0.044	
0.161290322580645	0.04293	0.04384 0.04134	0.04381	0.04361	0.04322	

0.193548387096774	0.04281	0.04278	0.04259	0.04221
0.04192	0.04001			
0.225806451612903	0.04258	0.04256	0.04236	0.04196
0.04166	0.03997			
0.258064516129032	0.04241	0.04238	0.04219	0.0418
0.0415	0.03967			
0.290322580645161	0.04231	0.04229	0.04209	0.0417
0.04141	0.03946			
0.32258064516129	0.04215	0.04212	0.04193	0.04155
0.04125	0.03922			
0.354838709677419	0.04155	0.04152	0.04133	0.04095
0.04067	0.03916			
0.387096774193548	0.04154	0.04152	0.04132	0.04094
0.04064	0.03854			
0.419354838709677	0.04034	0.04031	0.04012	0.03976
0.03948	0.03794			
0.451612903225806	0.04024	0.04021	0.04002	0.03963
0.03934	0.03757			
0.483870967741936	0.03977	0.03974	0.03954	0.03915
0.03886	0.03728			
0.516129032258065	0.03973	0.0397	0.03951	0.03912
0.03882	0.03691			
0.548387096774194	0.03922	0.0392	0.03901	0.03864
0.03835	0.03647			
0.580645161290323	0.03894	0.03891	0.03872	0.03836
0.03808	0.03636			
0.612903225806452	0.03876	0.03874	0.03855	0.03817
0.03787	0.03627			
0.645161290322581	0.03805	0.03803	0.03783	0.03746
0.03718	0.0356			
0.67741935483871	0.03761	0.03759	0.0374	0.03702
0.03673	0.03513			
0.709677419354839	0.03758	0.03756	0.03736	0.03698
0.03668	0.03481			
0.741935483870968	0.03752	0.03749	0.0373	0.03693
0.03664	0.03478			
0.774193548387097	0.03732	0.0373	0.03711	0.03674
0.03646	0.03391			
0.806451612903226	0.03029	0.03027	0.03011	0.02979
0.02954	0.02774			
0.838709677419355	0.02853	0.02851	0.02836	0.02804
0.02779	0.02568			
0.870967741935484	0.02569	0.02568	0.02553	0.02522
0.02498	0.02291			
0.903225806451613	0.02178	0.02177	0.02164	0.02137
0.02115	0.01845			
0.935483870967742	0.01496	0.01495	0.01487	0.01466
0.01451	0.01177			
0.967741935483871	0.006976	0.006973	0.006949	0.006462
0.006277	0.003529			
0.1	0.044918	0.044897	0.044697	0.044033
	0.042378			

Average of yearly

averages: 0.0345026333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-air-12ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw	276	days	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs	462	days	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-05	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for single app.
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for single app.
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for single app.
app. rate 9	apprate		kg/ha	

Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate		kg/ha
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

8. CAColeCropRLF: Broccoli, Chinese Broccoli, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kohlrabi, Mustard. May 1, 12 Applications, Ground.

8.1. Water Column

stored as esfen-agdrift-cole-grd-12ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.08128 0.00223	0.02667	0.01081	0.006263	0.00479
1962	0.1212 0.01344	0.03687	0.02208	0.01685	0.01576
1963	0.1724 0.02313	0.07433	0.03069	0.02594	0.02561
1964	0.2145 0.0276	0.07575	0.03663	0.03064	0.02947
1965	0.07939 0.02909	0.04331	0.03412	0.03095	0.03081
1966	0.073 0.02977	0.04816	0.03598	0.03141	0.03064
1967	0.4059 0.04536	0.147	0.06858	0.05267	0.05144
1968	0.124 0.04412	0.07594	0.05063	0.04813	0.04712
1969	0.1519 0.04646	0.077	0.05504	0.05208	0.05081
1970	0.184 0.04598	0.09581	0.05661	0.05068	0.0491
1971	0.115 0.04451	0.06323	0.05031	0.04771	0.04748
1972	0.1284 0.03828	0.06737	0.04459	0.03998	0.03927
1973	0.2074 0.04719	0.08889	0.05641	0.05168	0.04998

1974	0.1133 0.04932	0.06676	0.05534	0.05309	0.05272
1975	0.1645 0.04785	0.07969	0.05648	0.05248	0.05188
1976	0.09522 0.04202	0.06266	0.04768	0.04478	0.04465
1977	0.1504 0.03849	0.0657	0.04501	0.04156	0.04066
1978	0.1701 0.0464	0.07793	0.0537	0.05039	0.04983
1979	0.1878 0.04956	0.08498	0.05745	0.05426	0.05352
1980	0.1131 0.05032	0.0746	0.06131	0.05556	0.05443
1981	0.1974 0.04837	0.08699	0.05774	0.0523	0.05104
1982	0.531 0.06495	0.1769	0.08213	0.06955	0.0688
1983	0.1388 0.06717	0.09157	0.07603	0.07353	0.07236
1984	0.1634 0.05808	0.08256	0.06422	0.06129	0.0609
1985	0.1393 0.05501	0.07599	0.06085	0.05917	0.05839
1986	0.1761 0.05749	0.1015	0.06917	0.06602	0.06406
1987	0.1318 0.05112	0.08041	0.05959	0.05575	0.05499
1988	0.07561 0.04361	0.05509	0.0482	0.04711	0.04648
1989	0.09207 0.03889	0.05093	0.04284	0.04062	0.0406
1990	0.07583 0.0363	0.04887	0.04052	0.03931	0.0387

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.07236	0.531 0.06717	0.1769	0.08213	0.07353
0.0645161290322581	0.0688	0.4059 0.06495	0.147	0.07603	0.06955
0.0967741935483871	0.06406	0.2145 0.05808	0.1015	0.06917	0.06602
0.129032258064516	0.0609	0.2074 0.05749	0.09581	0.06858	0.06129
0.161290322580645	0.05839	0.1974 0.05501	0.09157	0.06422	0.05917
0.193548387096774	0.05499	0.1878 0.05112	0.08889	0.06131	0.05575
0.225806451612903	0.05443	0.184 0.05032	0.08699	0.06085	0.05556
0.258064516129032	0.05352	0.1761 0.04956	0.08498	0.05959	0.05426
0.290322580645161	0.05272	0.1724 0.04932	0.08256	0.05774	0.05309

0.32258064516129	0.1701	0.08041	0.05745	0.05267
0.05188	0.04837			
0.354838709677419	0.1645	0.07969	0.05661	0.05248
0.05144	0.04785			
0.387096774193548	0.1634	0.07793	0.05648	0.0523
0.05104	0.04719			
0.419354838709677	0.1519	0.077	0.05641	0.05208
0.05081	0.04646			
0.451612903225806	0.1504	0.07599	0.05534	0.05168
0.04998	0.0464			
0.483870967741936	0.1393	0.07594	0.05504	0.05068
0.04983	0.04598			
0.516129032258065	0.1388	0.07575	0.0537	0.05039
0.0491	0.04536			
0.548387096774194	0.1318	0.0746	0.05063	0.04813
0.04748	0.04451			
0.580645161290323	0.1284	0.07433	0.05031	0.04771
0.04712	0.04412			
0.612903225806452	0.124	0.06737	0.0482	0.04711
0.04648	0.04361			
0.645161290322581	0.1212	0.06676	0.04768	0.04478
0.04465	0.04202			
0.67741935483871	0.115	0.0657	0.04501	0.04156
0.04066	0.03889			
0.709677419354839	0.1133	0.06323	0.04459	0.04062
0.0406	0.03849			
0.741935483870968	0.1131	0.06266	0.04284	0.03998
0.03927	0.03828			
0.774193548387097	0.09522	0.05509	0.04052	0.03931
0.0387	0.0363			
0.806451612903226	0.09207	0.05093	0.03663	0.03141
0.03081	0.02977			
0.838709677419355	0.08128	0.04887	0.03598	0.03095
0.03064	0.02909			
0.870967741935484	0.07939	0.04816	0.03412	0.03064
0.02947	0.0276			
0.903225806451613	0.07583	0.04331	0.03069	0.02594
0.02561	0.02313			
0.935483870967742	0.07561	0.03687	0.02208	0.01685
0.01576	0.01344			
0.967741935483871	0.073	0.02667	0.01081	0.006263
0.00479	0.00223			
0.1	0.21379	0.100931	0.069111	0.065547
0.058021				0.063744

Average of yearly

averages: 0.042737

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-grd-12ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw	276		days
Halfife				
Anaerobic Aquatic Metabolism	kbacs	462		days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-05	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for single app.
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for single app.
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for single app.
app. rate 9	apprate		kg/ha	
Interval 10	interval	7	days	Set to 0 or delete line for single app.
app. rate 10	apprate		kg/ha	
Interval 11	interval	7	days	Set to 0 or delete line for single app.
app. rate 11	apprate		kg/ha	
Record 17: FILTRA				
IPSCND	1			
UPTKF				

Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

8.2. Pore Water

stored as esfen-agdrift-cole-grd-12apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.001944 0.0005049	0.001944	0.001937	0.001397	0.001153
1962	0.005008 0.004376	0.005005	0.004984	0.004939	0.004906
1963	0.008461 0.007653	0.008456	0.008437	0.008403	0.008373
1964	0.009854 0.009475	0.009851	0.009814	0.009765	0.009732
1965	0.0105 0.01004	0.01049	0.01045	0.01036	0.01033
1966	0.01082 0.01034	0.01082	0.01078	0.01069	0.01061
1967	0.01661 0.01542	0.0166	0.01654	0.01647	0.01648
1968	0.0164 0.01541	0.0164	0.01633	0.01619	0.01612
1969	0.01725 0.01619	0.01725	0.01721	0.01715	0.0171
1970	0.0168 0.01588	0.01679	0.01671	0.01662	0.01657
1971	0.01665 0.01576	0.01664	0.01658	0.01648	0.01642
1972	0.01437 0.01346	0.01436	0.0143	0.0142	0.01409
1973	0.01759 0.01607	0.01759	0.01752	0.0167	0.0166
1974	0.01848 0.01739	0.01847	0.01839	0.01825	0.01818
1975	0.01792 0.01677	0.01791	0.01785	0.01776	0.0177
1976	0.01583 0.01487	0.01583	0.01577	0.01561	0.01553
1977	0.01448 0.01348	0.01448	0.01443	0.01431	0.01421
1978	0.01709 0.01599	0.01708	0.01701	0.01697	0.01694

1979	0.01828 0.01716	0.01827	0.01819	0.01803	0.01799
1980	0.019 0.0176	0.019	0.01892	0.01872	0.01862
1981	0.01765 0.01679	0.01765	0.01758	0.01747	0.01743
1982	0.02353 0.02215	0.02352	0.02342	0.02327	0.02317
1983	0.02517 0.02345	0.02516	0.02509	0.02488	0.02474
1984	0.02232 0.02051	0.0223	0.02219	0.02198	0.02183
1985	0.02057 0.01939	0.02056	0.02047	0.02038	0.02033
1986	0.02195 0.02007	0.02195	0.02186	0.0216	0.02146
1987	0.01946 0.01805	0.01945	0.01942	0.01929	0.01913
1988	0.01659 0.01542	0.01659	0.01654	0.01647	0.0164
1989	0.01435 0.01366	0.01435	0.01429	0.01414	0.01407
1990	0.01354 0.01281	0.01353	0.01348	0.01337	0.01333

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02474	0.02517	0.02516	0.02509	0.02488
0.0645161290322581	0.02317	0.02353	0.02352	0.02342	0.02327
0.0967741935483871	0.02183	0.02232	0.0223	0.02219	0.02198
0.129032258064516	0.02146	0.02195	0.02195	0.02186	0.0216
0.161290322580645	0.02033	0.02057	0.02056	0.02047	0.02038
0.193548387096774	0.01913	0.01946	0.01945	0.01942	0.01929
0.225806451612903	0.01862	0.019	0.019	0.01892	0.01872
0.258064516129032	0.01818	0.01848	0.01847	0.01839	0.01825
0.290322580645161	0.01799	0.01828	0.01827	0.01819	0.01803
0.32258064516129	0.0177	0.01792	0.01791	0.01785	0.01776
0.354838709677419	0.01743	0.01765	0.01765	0.01758	0.01747
0.387096774193548	0.0171	0.01759	0.01759	0.01752	0.01715
0.419354838709677	0.01694	0.01725	0.01725	0.01721	0.01697
0.451612903225806	0.0166	0.01709	0.01708	0.01701	0.0167
		0.01599			

0.483870967741936	0.0168	0.01679	0.01671	0.01662
0.01657	0.01588			
0.516129032258065	0.01665	0.01664	0.01658	0.01648
0.01648	0.01576			
0.548387096774194	0.01661	0.0166	0.01654	0.01647
0.01642	0.01542			
0.580645161290323	0.01659	0.01659	0.01654	0.01647
0.0164	0.01542			
0.612903225806452	0.0164	0.0164	0.01633	0.01619
0.01612	0.01541			
0.645161290322581	0.01583	0.01583	0.01577	0.01561
0.01553	0.01487			
0.67741935483871	0.01448	0.01448	0.01443	0.01431
0.01421	0.01366			
0.709677419354839	0.01437	0.01436	0.0143	0.0142
0.01409	0.01348			
0.741935483870968	0.01435	0.01435	0.01429	0.01414
0.01407	0.01346			
0.774193548387097	0.01354	0.01353	0.01348	0.01337
0.01333	0.01281			
0.806451612903226	0.01082	0.01082	0.01078	0.01069
0.01061	0.01034			
0.838709677419355	0.0105	0.01049	0.01045	0.01036
0.01033	0.01004			
0.870967741935484	0.009854	0.009851	0.009814	0.009765
0.009732	0.009475			
0.903225806451613	0.008461	0.008456	0.008437	0.008403
0.008373	0.007653			
0.935483870967742	0.005008	0.005005	0.004984	0.004939
0.004906	0.004376			
0.967741935483871	0.001944	0.001944	0.001937	0.001397
0.001153	0.0005049			
0.1	0.022283	0.022265	0.022157	0.021793
	0.020466			

Average of yearly

averages: 0.0148712966666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cole-grd-12ap

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				

Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH	7 0	days		Half-life
Method:	CAM 1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT 0.007	fraction of	application rate applied to pond	
Application Date	Date	01-05	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval 7	days	Set to 0 or delete line for single app.	
app. rate 1	apprate	kg/ha		
Interval 2	interval 7	days	Set to 0 or delete line for single app.	
app. rate 2	apprate	kg/ha		
Interval 3	interval 7	days	Set to 0 or delete line for single app.	
app. rate 3	apprate	kg/ha		
Interval 4	interval 7	days	Set to 0 or delete line for single app.	
app. rate 4	apprate	kg/ha		
Interval 5	interval 7	days	Set to 0 or delete line for single app.	
app. rate 5	apprate	kg/ha		
Interval 6	interval 7	days	Set to 0 or delete line for single app.	
app. rate 6	apprate	kg/ha		
Interval 7	interval 7	days	Set to 0 or delete line for single app.	
app. rate 7	apprate	kg/ha		
Interval 8	interval 7	days	Set to 0 or delete line for single app.	
app. rate 8	apprate	kg/ha		
Interval 9	interval 7	days	Set to 0 or delete line for single app.	
app. rate 9	apprate	kg/ha		
Interval 10	interval 7	days	Set to 0 or delete line for single app.	
app. rate 10	apprate	kg/ha		
Interval 11	interval 7	days	Set to 0 or delete line for single app.	
app. rate 11	apprate	kg/ha		
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

9. CAcornOP: Corn (unspecified), Field Corn, Pop Corn, Sweet Corn, Sunflower. April 1, 20 Applications, Aerial.

9.1. Water Column

stored as esfen-agdrift-corn-air-20ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.3996 0.02436	0.1358	0.06065	0.04068	0.03688	
1962	0.8314 0.09714	0.3388	0.1447	0.1143	0.1099	
1963	0.8168 0.1512	0.4008	0.1909	0.168	0.1667	
1964	1.024 0.1696	0.3922	0.2069	0.1823	0.1814	
1965	0.3361 0.1722	0.2099	0.1875	0.1881	0.187	
1966	0.3381 0.1636	0.2134	0.1796	0.1765	0.1755	
1967	1.258 0.2006	0.49	0.2657	0.221	0.2168	
1968	0.4783 0.1894	0.258	0.204	0.2045	0.2036	
1969	0.7143 0.2169	0.3683	0.2565	0.2371	0.2315	
1970	0.6767 0.2173	0.3841	0.2509	0.2291	0.2282	
1971	0.3195 0.2026	0.2316	0.2191	0.2197	0.2187	
1972	0.3669 0.1866	0.2299	0.1996	0.2003	0.1995	
1973	0.6058 0.2134	0.316	0.2422	0.2277	0.2262	
1974	0.3198 0.1985	0.2274	0.2138	0.2144	0.2135	
1975	0.376 0.1929	0.2408	0.2106	0.2112	0.2103	
1976	0.2847	0.2037	0.1845	0.185	0.1843	0.169
1977	0.3696 0.1609	0.2079	0.1746	0.1749	0.1739	
1978	0.6554 0.2049	0.368	0.2492	0.2225	0.2169	
1979	0.5708 0.2089	0.3021	0.2345	0.224	0.2231	
1980	0.5271 0.2234	0.3474	0.2614	0.2392	0.2391	
1981	0.582	0.3371	0.2507	0.2342	0.2331	0.221
1982	1.198 0.2524	0.4781	0.2804	0.2701	0.2678	

1983	0.5631 0.2654	0.3359	0.2919	0.287	0.2844	
1984	0.3513 0.2318	0.2635	0.2508	0.2512	0.25	
1985	0.5013 0.2058	0.2721	0.2205	0.2209	0.2199	
1986	1.121 0.2319	0.5868	0.3077	0.2654	0.2602	
1987	0.421 0.2156	0.2899	0.232	0.2321	0.2312	
1988	0.3679	0.2575	0.2108	0.2114	0.2106	0.195
1989	0.4138 0.1834	0.2435	0.1983	0.199	0.1981	
1990	1.035 0.1974	0.4147	0.2326	0.2147	0.213	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.2844	1.258 0.2654	0.5868	0.3077	0.287	
0.0645161290322581	0.2678	1.198 0.2524	0.49	0.2919	0.2701	
0.0967741935483871	0.2602	1.121 0.2319	0.4781	0.2804	0.2654	
0.129032258064516	0.2318	1.035	0.4147	0.2657	0.2512	0.25
0.161290322580645	0.2391	1.024 0.2234	0.4008	0.2614	0.2392	
0.193548387096774	0.2331	0.8314 0.221	0.3922	0.2565	0.2371	
0.225806451612903	0.2315	0.8168 0.2173	0.3841	0.2509	0.2342	
0.258064516129032	0.2312	0.7143 0.2169	0.3683	0.2508	0.2321	
0.290322580645161	0.2282	0.6767 0.2156	0.368	0.2507	0.2291	
0.32258064516129	0.2262	0.6554 0.2134	0.3474	0.2492	0.2277	
0.354838709677419	0.2231	0.6058 0.2089	0.3388	0.2422	0.224	
0.387096774193548	0.2199	0.582 0.2058	0.3371	0.2345	0.2225	
0.419354838709677	0.2187	0.5708 0.2049	0.3359	0.2326	0.221	
0.451612903225806	0.2169	0.5631 0.2026	0.316	0.232	0.2209	
0.483870967741936	0.2168	0.5271 0.2006	0.3021	0.2205	0.2197	
0.516129032258065	0.2135	0.5013 0.1985	0.2899	0.2191	0.2147	
0.548387096774194	0.1974	0.4783	0.2721	0.2138	0.2144	0.213
0.580645161290323	0.2106	0.421 0.195	0.2635	0.2108	0.2114	
0.612903225806452	0.2103	0.4138 0.1929	0.258	0.2106	0.2112	

0.645161290322581	0.3996	0.2575	0.2069	0.2045	
0.2036	0.1894				
0.67741935483871	0.376	0.2435	0.204	0.2003	
0.1995	0.1866				
0.709677419354839	0.3696	0.2408	0.1996	0.199	
0.1981	0.1834				
0.741935483870968	0.3679	0.2316	0.1983	0.1881	0.187
0.1722					
0.774193548387097	0.3669	0.2299	0.1909	0.185	
0.1843	0.1696				
0.806451612903226	0.3513	0.2274	0.1875	0.1823	
0.1814	0.169				
0.838709677419355	0.3381	0.2134	0.1845	0.1765	
0.1755	0.1636				
0.870967741935484	0.3361	0.2099	0.1796	0.1749	
0.1739	0.1609				
0.903225806451613	0.3198	0.2079	0.1746	0.168	
0.1667	0.1512				
0.935483870967742	0.3195	0.2037	0.1447	0.1143	
0.1099	0.09714				
0.967741935483871	0.2847	0.1358	0.06065	0.04068	
0.03688	0.02436				
0.1	1.1124	0.47176	0.27893	0.26398	0.25918
0.23189					

Average of yearly

averages: 0.1921033333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-air-20ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	

Application Date	Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm
Interval 1 interval single app.	7	days	Set to 0 or delete line for
app. rate 1 apprate		kg/ha	
Interval 2 interval single app.	7	days	Set to 0 or delete line for
app. rate 2 apprate		kg/ha	
Interval 3 interval single app.	7	days	Set to 0 or delete line for
app. rate 3 apprate		kg/ha	
Interval 4 interval single app.	7	days	Set to 0 or delete line for
app. rate 4 apprate		kg/ha	
Interval 5 interval single app.	7	days	Set to 0 or delete line for
app. rate 5 apprate		kg/ha	
Interval 6 interval single app.	7	days	Set to 0 or delete line for
app. rate 6 apprate		kg/ha	
Interval 7 interval single app.	7	days	Set to 0 or delete line for
app. rate 7 apprate		kg/ha	
Interval 8 interval single app.	7	days	Set to 0 or delete line for
app. rate 8 apprate		kg/ha	
Interval 9 interval single app.	7	days	Set to 0 or delete line for
app. rate 9 apprate		kg/ha	
Interval 10 interval single app.	7	days	Set to 0 or delete line for
app. rate 10	apprate		kg/ha
Interval 11 interval single app.	7	days	Set to 0 or delete line for
app. rate 11	apprate		kg/ha
Interval 12 interval single app.	7	days	Set to 0 or delete line for
app. rate 12	apprate		kg/ha
Interval 13 interval single app.	7	days	Set to 0 or delete line for
app. rate 13	apprate		kg/ha
Interval 14 interval single app.	7	days	Set to 0 or delete line for
app. rate 14	apprate		kg/ha
Interval 15 interval single app.	7	days	Set to 0 or delete line for
app. rate 15	apprate		kg/ha
Interval 16 interval single app.	7	days	Set to 0 or delete line for
app. rate 16	apprate		kg/ha
Interval 17 interval single app.	7	days	Set to 0 or delete line for
app. rate 17	apprate		kg/ha
Interval 18 interval single app.	7	days	Set to 0 or delete line for
app. rate 18	apprate		kg/ha

Interval 19 interval 7 days Set to 0 or delete line for
 single app.
 app. rate 19 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

9.2. Pore Water

stored as esfen-agdrift-corn-air-20apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt

modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01377 0.005912	0.01377	0.01373	0.01148	0.01077
1962	0.03768 0.03028	0.03766	0.03744	0.03699	0.0364
1963	0.05455 0.05016	0.05449	0.05437	0.05418	0.054
1964	0.05947 0.05716	0.0594	0.05932	0.05931	0.0592
1965	0.06156 0.05924	0.0615	0.06142	0.06138	0.06123
1966	0.05751 0.05588	0.05745	0.05737	0.05723	0.05711
1967	0.07217 0.06814	0.07211	0.07202	0.07194	0.07183
1968	0.06754 0.0651	0.06748	0.06739	0.06729	0.06719
1969	0.07722 0.07351	0.07716	0.07708	0.07706	0.07698
1970	0.07746 0.0742	0.07743	0.07721	0.07667	0.07629
1971	0.07407 0.07047	0.07401	0.07375	0.0731	0.07262
1972	0.06641 0.06433	0.06638	0.06613	0.06578	0.0657
1973	0.07579 0.07237	0.07576	0.07555	0.07546	0.07538
1974	0.07098 0.06871	0.07092	0.07084	0.07081	0.07074
1975	0.06991 0.06639	0.06985	0.06976	0.0697	0.0696
1976	0.06079 0.05847	0.06074	0.0605	0.06027	0.06024

1977	0.05698 0.05484	0.05693	0.0568	0.05665	0.05652
1978	0.07222 0.06924	0.07215	0.07208	0.07204	0.07197
1979	0.07453 0.07146	0.07447	0.07437	0.0743	0.07419
1980	0.07999 0.07649	0.07992	0.07985	0.07979	0.07969
1981	0.07827 0.07548	0.07822	0.0781	0.07796	0.07781
1982	0.08916 0.08587	0.0891	0.08901	0.08897	0.08889
1983	0.0964 0.09118	0.09634	0.09623	0.09596	0.09557
1984	0.08807 0.08111	0.08799	0.08762	0.08678	0.08605
1985	0.07378 0.0711	0.07375	0.07346	0.07318	0.07304
1986	0.08458 0.07915	0.08453	0.08419	0.08382	0.08382
1987	0.07775 0.07445	0.07771	0.07743	0.07724	0.07724
1988	0.07096 0.06741	0.07093	0.07068	0.07005	0.06965
1989	0.06549 0.06303	0.06543	0.06535	0.06529	0.06521
1990	0.07081 0.0674	0.07074	0.07064	0.07043	0.07021

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.09557	0.0964	0.09634	0.09623	0.09596
0.0645161290322581	0.08889	0.08916	0.0891	0.08901	0.08897
0.0967741935483871	0.08605	0.08807	0.08799	0.08762	0.08678
0.129032258064516	0.08382	0.08458	0.08453	0.08419	0.08382
0.161290322580645	0.07969	0.07999	0.07992	0.07985	0.07979
0.193548387096774	0.07781	0.07827	0.07822	0.0781	0.07796
0.225806451612903	0.07724	0.07775	0.07771	0.07743	0.07724
0.258064516129032	0.07698	0.07746	0.07743	0.07721	0.07706
0.290322580645161	0.07629	0.07722	0.07716	0.07708	0.07667
0.32258064516129	0.07538	0.07579	0.07576	0.07555	0.07546
0.354838709677419	0.07419	0.07453	0.07447	0.07437	0.0743
0.387096774193548	0.07304	0.07407	0.07401	0.07375	0.07318
		0.0711			

0.419354838709677	0.07378	0.07375	0.07346	0.0731	
0.07262	0.07047				
0.451612903225806	0.07222	0.07215	0.07208	0.07204	
0.07197	0.06924				
0.483870967741936	0.07217	0.07211	0.07202	0.07194	
0.07183	0.06871				
0.516129032258065	0.07098	0.07093	0.07084	0.07081	
0.07074	0.06814				
0.548387096774194	0.07096	0.07092	0.07068	0.07043	
0.07021	0.06741				
0.580645161290323	0.07081	0.07074	0.07064	0.07005	
0.06965	0.0674				
0.612903225806452	0.06991	0.06985	0.06976	0.0697	
0.0696	0.06639				
0.645161290322581	0.06754	0.06748	0.06739	0.06729	
0.06719	0.0651				
0.67741935483871	0.06641	0.06638	0.06613	0.06578	
0.0657	0.06433				
0.709677419354839	0.06549	0.06543	0.06535	0.06529	
0.06521	0.06303				
0.741935483870968	0.06156	0.0615	0.06142	0.06138	
0.06123	0.05924				
0.774193548387097	0.06079	0.06074	0.0605	0.06027	
0.06024	0.05847				
0.806451612903226	0.05947	0.0594	0.05932	0.05931	
0.0592	0.05716				
0.838709677419355	0.05751	0.05745	0.05737	0.05723	
0.05711	0.05588				
0.870967741935484	0.05698	0.05693	0.0568	0.05665	
0.05652	0.05484				
0.903225806451613	0.05455	0.05449	0.05437	0.05418	0.054
0.05016					
0.935483870967742	0.03768	0.03766	0.03744	0.03699	
0.0364	0.03028				
0.967741935483871	0.01377	0.01377	0.01373	0.01148	
0.01077	0.005912				
0.1	0.087721	0.087644	0.087277	0.086484	0.085827
	0.080914				

Average of yearly

averages: 0.0656177333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-air-20ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight		mwt	419.9	g/mol	
Henry's Law Const.		henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure		vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		

Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH	7 0	days	Half-life	
Method:	CAM 2	integer	See PRZM manual	
Incorporation Depth:	DEPI 4	cm		
Application Rate:	TAPP 0.06	kg/ha		
Application Efficiency:	APPEFF 0.95	fraction		
Spray Drift	DRFT 0.063	fraction of application rate applied to pond		
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1	apprate	kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2	apprate	kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3	apprate	kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4	apprate	kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5	apprate	kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6	apprate	kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7	apprate	kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8	apprate	kg/ha		
Interval 9 interval	7	days	Set to 0 or delete line for single app.	
app. rate 9	apprate	kg/ha		
Interval 10 interval	7	days	Set to 0 or delete line for single app.	
app. rate 10	apprate	kg/ha		
Interval 11 interval	7	days	Set to 0 or delete line for single app.	
app. rate 11	apprate	kg/ha		
Interval 12 interval	7	days	Set to 0 or delete line for single app.	
app. rate 12	apprate	kg/ha		
Interval 13 interval	7	days	Set to 0 or delete line for single app.	
app. rate 13	apprate	kg/ha		
Interval 14 interval	7	days	Set to 0 or delete line for single app.	
app. rate 14	apprate	kg/ha		

Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

10. CAcornOP: Corn (unspecified), Field Corn, Pop Corn, Sweet Corn, Sunflower. April 1, 20 Applications, Ground.

10.1. Water Column

stored as esfen-agdrift-corn-grd-20ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt

modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.3158 0.004551	0.09529	0.03251	0.01574	0.01145	
1962	0.6774 0.04956	0.2656	0.1033	0.06716	0.06093	
1963	0.6559 0.0834	0.3057	0.1291	0.1011	0.09845	
1964	0.8226 0.09021	0.2892	0.1328	0.1077	0.103	
1965	0.2359 0.08611	0.1283	0.09974	0.09422	0.09286	
1966	0.2246 0.07417	0.1203	0.09176	0.07922	0.0781	
1967	1	0.3543	0.1658	0.1288	0.1224	0.102
1968	0.3495 0.09097	0.159	0.1091	0.1029	0.1011	
1969	0.5411 0.1121	0.2484	0.154	0.138	0.1317	

1970	0.5018 0.1114	0.2565	0.1476	0.1283	0.1241	
1971	0.1465 0.09763	0.1086	0.1076	0.1065	0.1062	
1972	0.2431 0.08321	0.1278	0.09654	0.09087	0.08978	
1973	0.4491 0.1057	0.2003	0.1376	0.1259	0.1214	
1974	0.1725 0.09233	0.1199	0.1037	0.1012	0.1005	
1975	0.2608 0.08825	0.1397	0.108	0.1029	0.1008	
1976	0.1171 0.06887	0.08569	0.07701	0.07515	0.07481	
1977	0.2485 0.06152	0.1097	0.07439	0.06604	0.06542	
1978	0.486 0.09828	0.2433	0.143	0.1212	0.1155	
1979	0.4119	0.1864	0.1299	0.1174	0.1145	0.101
1980	0.3825 0.1133	0.2285	0.1552	0.1331	0.1289	
1981	0.4329 0.1111	0.2199	0.1449	0.1271	0.1235	
1982	0.947 0.1373	0.3365	0.1691	0.1493	0.1475	
1983	0.411 0.1474	0.2118	0.1692	0.1629	0.1613	
1984	0.1444	0.1377	0.1372	0.136	0.1348	0.121
1985	0.3516 0.09933	0.1633	0.1174	0.1105	0.1088	
1986	0.8728 0.1206	0.4261	0.1928	0.1541	0.1461	
1987	0.2855 0.1065	0.1764	0.1282	0.1222	0.1198	
1988	0.2407 0.08987	0.1487	0.1079	0.1015	0.09975	
1989	0.2865 0.08048	0.1411	0.1013	0.09191	0.08953	
1990	0.8248 0.09315	0.2879	0.1306	0.1136	0.1084	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.1613	1	0.4261	0.1928	0.1629
0.0645161290322581	0.1475	0.947	0.3543	0.1692	0.1541
0.0967741935483871	0.1461	0.8728	0.3365	0.1691	0.1493
0.129032258064516	0.1348	0.8248	0.3057	0.1658	0.138
0.161290322580645	0.1317	0.8226	0.2892	0.1552	0.136
0.193548387096774	0.1289	0.6774	0.2879	0.154	0.1331
		0.1121			

0.225806451612903	0.6559	0.2656	0.1476	0.1288	
0.1241	0.1114				
0.258064516129032	0.5411	0.2565	0.1449	0.1283	
0.1235	0.1111				
0.290322580645161	0.5018	0.2484	0.143	0.1271	
0.1224	0.1065				
0.32258064516129	0.486	0.2433	0.1376	0.1259	
0.1214	0.1057				
0.354838709677419	0.4491	0.2285	0.1372	0.1222	
0.1198	0.102				
0.387096774193548	0.4329	0.2199	0.1328	0.1212	
0.1155	0.101				
0.419354838709677	0.4119	0.2118	0.1306	0.1174	
0.1145	0.09933				
0.451612903225806	0.411	0.2003	0.1299	0.1136	
0.1088	0.09828				
0.483870967741936	0.3825	0.1864	0.1291	0.1105	
0.1084	0.09763				
0.516129032258065	0.3516	0.1764	0.1282	0.1077	
0.1062	0.09315				
0.548387096774194	0.3495	0.1633	0.1174	0.1065	0.103
0.09233					
0.580645161290323	0.3158	0.159	0.1091	0.1029	
0.1011	0.09097				
0.612903225806452	0.2865	0.1487	0.108	0.1029	
0.1008	0.09021				
0.645161290322581	0.2855	0.1411	0.1079	0.1015	
0.1005	0.08987				
0.67741935483871	0.2608	0.1397	0.1076	0.1012	
0.09975	0.08825				
0.709677419354839	0.2485	0.1377	0.1037	0.1011	
0.09845	0.08611				
0.741935483870968	0.2431	0.1283	0.1033	0.09422	
0.09286	0.0834				
0.774193548387097	0.2407	0.1278	0.1013	0.09191	
0.08978	0.08321				
0.806451612903226	0.2359	0.1203	0.09974	0.09087	
0.08953	0.08048				
0.838709677419355	0.2246	0.1199	0.09654	0.07922	
0.0781	0.07417				
0.870967741935484	0.1725	0.1097	0.09176	0.07515	
0.07481	0.06887				
0.903225806451613	0.1465	0.1086	0.07701	0.06716	
0.06542	0.06152				
0.935483870967742	0.1444	0.09529	0.07439	0.06604	
0.06093	0.04956				
0.967741935483871	0.1171	0.08569	0.03251	0.01574	
0.01145	0.004551				
0.1	0.868	0.33342	0.16877	0.14817	0.14497
0.12096					

Average of yearly

averages: 0.0940430333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-grd-20ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism kbacw		276	days
Halfife			
Anaerobic Aquatic Metabolism kbacs		462	days
Halfife			
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7 0	days		Half-life
Method: CAM 1	integer		See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of	application rate applied to pond
Application Date Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for single app.
app. rate 10	apprate	kg/ha	

Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate		kg/ha
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate		kg/ha
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate		kg/ha
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate		kg/ha
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

10.2. Pore Water

stored as esfen-agdrift-corn-grd-20apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt

modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.004957 0.0009432	0.004955	0.004941	0.003018	0.002358
1962	0.01962 0.01561	0.01961	0.0195	0.01926	0.01878
1963	0.03161 0.02813	0.0316	0.03152	0.03122	0.03097
1964	0.03445 0.03089	0.03444	0.03433	0.03401	0.03376

1965	0.03327	0.03325	0.03316	0.0329	0.03266	
	0.03037					
1966	0.02817	0.02815	0.02807	0.02784	0.02774	
	0.02584					
1967	0.03868	0.03867	0.03863	0.03854	0.03835	
	0.03497					
1968	0.035	0.03498	0.03486	0.03463	0.03453	
	0.03184					
1969	0.04296	0.04294	0.04277	0.04252	0.04229	
	0.03816					
1970	0.04231	0.04229	0.04219	0.04196	0.04172	
	0.03839					
1971	0.03886	0.03883	0.03869	0.03835	0.0381	
	0.03475					
1972	0.03222	0.03221	0.03209	0.03171	0.03149	
	0.02924					
1973	0.04037	0.04036	0.04021	0.0399	0.03955	0.036
1974	0.03555	0.03553	0.03543	0.03526	0.03521	
	0.03262					
1975	0.03445	0.03444	0.03434	0.03411	0.03385	
	0.03087					
1976	0.02715	0.02712	0.02702	0.02676	0.02663	
	0.02448					
1977	0.02289	0.02289	0.02282	0.02262	0.02255	
	0.02123					
1978	0.03708	0.03707	0.03691	0.03658	0.03643	
	0.03325					
1979	0.03845	0.03843	0.03833	0.03823	0.03803	
	0.03489					
1980	0.0438	0.04379	0.04366	0.04337	0.04306	
	0.03913					
1981	0.04166	0.04165	0.04151	0.04114	0.04106	
	0.03823					
1982	0.05084	0.05083	0.05066	0.05018	0.04973	
	0.04689					
1983	0.05598	0.05594	0.05565	0.05521	0.0551	
	0.05106					
1984	0.04965	0.0496	0.0494	0.04893	0.04852	
	0.04329					
1985	0.0385	0.03849	0.03834	0.03809	0.03783	
	0.03493					
1986	0.04744	0.04741	0.04725	0.04703	0.04669	
	0.04146					
1987	0.04166	0.04164	0.0415	0.04107	0.04084	
	0.03737					
1988	0.03542	0.03541	0.03528	0.03501	0.03479	
	0.0317					
1989	0.03093	0.03092	0.0308	0.03048	0.03026	
	0.02813					
1990	0.03578	0.03577	0.03563	0.03524	0.03493	
	0.03207					
Sorted results						
Prob.	Peak	96 hr	21 Day	60 Day	90 Day	
	Yearly					
0.032258064516129	0.05598	0.05594	0.05565	0.05521		
0.0551	0.05106					

0.0645161290322581	0.05084	0.05083	0.05066	0.05018
0.04973	0.04689			
0.0967741935483871	0.04965	0.0496	0.0494	0.04893
0.04852	0.04329			
0.129032258064516	0.04744	0.04741	0.04725	0.04703
0.04669	0.04146			
0.161290322580645	0.0438	0.04379	0.04366	0.04337
0.04306	0.03913			
0.193548387096774	0.04296	0.04294	0.04277	0.04252
0.04229	0.03839			
0.225806451612903	0.04231	0.04229	0.04219	0.04196
0.04172	0.03823			
0.258064516129032	0.04166	0.04165	0.04151	0.04114
0.04106	0.03816			
0.290322580645161	0.04166	0.04164	0.0415	0.04107
0.04084	0.03737			
0.32258064516129	0.04037	0.04036	0.04021	0.0399
0.03955	0.036			
0.354838709677419	0.03886	0.03883	0.03869	0.03854
0.03835	0.03497			
0.387096774193548	0.03868	0.03867	0.03863	0.03835
0.0381	0.03493			
0.419354838709677	0.0385	0.03849	0.03834	0.03823
0.03803	0.03489			
0.451612903225806	0.03845	0.03843	0.03833	0.03809
0.03783	0.03475			
0.483870967741936	0.03708	0.03707	0.03691	0.03658
0.03643	0.03325			
0.516129032258065	0.03578	0.03577	0.03563	0.03526
0.03521	0.03262			
0.548387096774194	0.03555	0.03553	0.03543	0.03524
0.03493	0.03207			
0.580645161290323	0.03542	0.03541	0.03528	0.03501
0.03479	0.03184			
0.612903225806452	0.035	0.03498	0.03486	0.03463
0.03453	0.0317			
0.645161290322581	0.03445	0.03444	0.03434	0.03411
0.03385	0.03089			
0.67741935483871	0.03445	0.03444	0.03433	0.03401
0.03376	0.03087			
0.709677419354839	0.03327	0.03325	0.03316	0.0329
0.03266	0.03037			
0.741935483870968	0.03222	0.03221	0.03209	0.03171
0.03149	0.02924			
0.774193548387097	0.03161	0.0316	0.03152	0.03122
0.03097	0.02813			
0.806451612903226	0.03093	0.03092	0.0308	0.03048
0.03026	0.02813			
0.838709677419355	0.02817	0.02815	0.02807	0.02784
0.02774	0.02584			
0.870967741935484	0.02715	0.02712	0.02702	0.02676
0.02663	0.02448			
0.903225806451613	0.02289	0.02289	0.02282	0.02262
0.02255	0.02123			
0.935483870967742	0.01962	0.01961	0.0195	0.01926
0.01878	0.01561			

0.967741935483871	0.004957	0.004955	0.004941	0.003018
0.002358	0.0009432			

0.1	0.049429	0.049381	0.049185	0.04874	0.048337
	0.043107				

Average of yearly

averages: 0.0325577733333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-grd-20ap

Metfile: w23232.dvf

PRZM scenario: CAcorn0P.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7		0	days		Half-life
Method: CAM		1	integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift DRFT		0.007	fraction of		application rate applied to pond
Application Date	Date		01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval		7	days		Set to 0 or delete line for single app.
app. rate 1 apprate			kg/ha		
Interval 2 interval		7	days		Set to 0 or delete line for single app.
app. rate 2 apprate			kg/ha		
Interval 3 interval		7	days		Set to 0 or delete line for single app.
app. rate 3 apprate			kg/ha		
Interval 4 interval		7	days		Set to 0 or delete line for single app.
app. rate 4 apprate			kg/ha		
Interval 5 interval		7	days		Set to 0 or delete line for single app.
app. rate 5 apprate			kg/ha		
Interval 6 interval		7	days		Set to 0 or delete line for single app.
app. rate 6 apprate			kg/ha		

Interval 7 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate	kg/ha	
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate	kg/ha	
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate	kg/ha	
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate	kg/ha	
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate	kg/ha	
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate	kg/ha	
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate	kg/ha	
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate	kg/ha	
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate	kg/ha	
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate	kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

11. CAcornOP: Corn (unspecified), Field Corn, Pop Corn, Sweet Corn, Sunflower. April 1, 5 Applications, Aerial.

11.1. Water Column

stored as esfen-agdrift-corn-air-5ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt

modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30
 Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22
 Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1239 0.006757	0.03648	0.02278	0.0155	0.01273
1962	0.1384 0.02034	0.05746	0.03677	0.02943	0.02647
1963	0.1748 0.03184	0.07943	0.05394	0.04404	0.04064
1964	0.1652 0.03535	0.06758	0.05327	0.04585	0.04268
1965	0.1561 0.03656	0.07097	0.05523	0.048	0.0447
1966	0.1545 0.03541	0.06703	0.05348	0.04604	0.04282
1967	0.215 0.04195	0.08764	0.0616	0.05398	0.05062
1968	0.1598 0.03997	0.07236	0.05881	0.05135	0.04806
1969	0.1647 0.04472	0.07726	0.06371	0.05628	0.05291
1970	0.1642 0.04465	0.07673	0.06317	0.05563	0.05226
1971	0.1624 0.04228	0.07495	0.06139	0.05393	0.05068
1972	0.1592 0.03957	0.07173	0.05817	0.05069	0.04741
1973	0.1638 0.04381	0.07626	0.06274	0.0552	0.05177
1974	0.1613 0.04145	0.07387	0.06031	0.05286	0.04959
1975	0.1613 0.04065	0.07384	0.06025	0.05272	0.04938
1976	0.1569 0.03674	0.06944	0.05587	0.04859	0.0452
1977	0.1545 0.03544	0.06738	0.05355	0.04612	0.04295
1978	0.1621 0.04242	0.07459	0.06109	0.05356	0.05022
1979	0.163 0.04296	0.07554	0.06199	0.05447	0.05112
1980	0.1655 0.04549	0.07799	0.06447	0.057	0.0537
1981	0.1649 0.04514	0.07742	0.06389	0.05638	0.053
1982	0.2018 0.05126	0.09287	0.07255	0.06406	0.06021
1983	0.2282 0.05528	0.1183	0.08034	0.06917	0.06545
1984	0.1701 0.04899	0.08263	0.06912	0.06152	0.058
1985	0.1641 0.04406	0.07664	0.06312	0.05565	0.05228

1986	0.1964 0.0482	0.1062	0.06793	0.06043	0.058
1987	0.1656 0.0452	0.07814	0.06464	0.05709	0.05366
1988	0.1619 0.04156	0.07437	0.06131	0.05347	0.0501
1989	0.1592 0.0393	0.07172	0.0582	0.05073	0.04743
1990	0.1788 0.0419	0.07578	0.06028	0.05351	0.05028

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.06545	0.2282	0.1183	0.08034	0.06917	
0.0645161290322581	0.06021	0.215	0.1062	0.07255	0.06406	
0.0967741935483871	0.04899	0.2018	0.09287	0.06912	0.06152	0.058
0.129032258064516	0.0482	0.1964	0.08764	0.06793	0.06043	0.058
0.161290322580645	0.0537	0.1788	0.08263	0.06464	0.05709	
0.193548387096774	0.05366	0.1748	0.07943	0.06447	0.057	
0.225806451612903	0.04514	0.1701	0.07814	0.06389	0.05638	0.053
0.258064516129032	0.05291	0.1656	0.07799	0.06371	0.05628	
0.290322580645161	0.05228	0.1655	0.07742	0.06317	0.05565	
0.32258064516129	0.05226	0.1652	0.07726	0.06312	0.05563	
0.354838709677419	0.05177	0.1649	0.07673	0.06274	0.0552	
0.387096774193548	0.05112	0.1647	0.07664	0.06199	0.05447	
0.419354838709677	0.05068	0.1642	0.07626	0.0616	0.05398	
0.451612903225806	0.05062	0.1641	0.07578	0.06139	0.05393	
0.483870967741936	0.05028	0.1638	0.07554	0.06131	0.05356	
0.516129032258065	0.05022	0.163	0.07495	0.06109	0.05351	
0.548387096774194	0.0501	0.1624	0.07459	0.06031	0.05347	
0.580645161290323	0.04959	0.1621	0.07437	0.06028	0.05286	
0.612903225806452	0.04938	0.1619	0.07387	0.06025	0.05272	
0.645161290322581	0.04806	0.1613	0.07384	0.05881	0.05135	
0.67741935483871	0.04743	0.1613	0.07236	0.0582	0.05073	

0.709677419354839	0.1598	0.07173	0.05817	0.05069
0.04741	0.0393			
0.741935483870968	0.1592	0.07172	0.05587	0.04859
0.0452	0.03674			
0.774193548387097	0.1592	0.07097	0.05523	0.048
0.0447	0.03656			
0.806451612903226	0.1569	0.06944	0.05394	0.04612
0.04295	0.03544			
0.838709677419355	0.1561	0.06758	0.05355	0.04604
0.04282	0.03541			
0.870967741935484	0.1545	0.06738	0.05348	0.04585
0.04268	0.03535			
0.903225806451613	0.1545	0.06703	0.05327	0.04404
0.04064	0.03184			
0.935483870967742	0.1384	0.05746	0.03677	0.02943
0.02647	0.02034			
0.967741935483871	0.1239	0.03648	0.02278	0.0155
0.01273	0.006757			
0.1	0.20126	0.092347	0.069001	0.061411
	0.048911			

Average of yearly

averages: 0.0403082333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-air-5ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	

Interval 2	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

11.2. Pore Water

stored as esfen-agdrift-corn-air-5apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt

modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf

modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.002918 0.001762	0.002917	0.002908	0.002633	0.002584
1962	0.007707 0.006347	0.007702	0.007657	0.007525	0.007412
1963	0.01261 0.01049	0.0126	0.01253	0.01233	0.01217
1964	0.01362 0.0119	0.01361	0.01353	0.01332	0.01315
1965	0.01427 0.01249	0.01426	0.01417	0.01395	0.01378
1966	0.01369 0.01205	0.01368	0.01359	0.01336	0.01317
1967	0.01647 0.01421	0.01646	0.01636	0.01611	0.01589
1968	0.0156 0.01369	0.01559	0.0155	0.01525	0.01504
1969	0.01736 0.01514	0.01735	0.01723	0.01696	0.01675
1970	0.01717 0.01521	0.01716	0.01703	0.01675	0.01653
1971	0.01653 0.01462	0.01653	0.01643	0.01619	0.01599
1972	0.01538 0.01358	0.01537	0.01526	0.01501	0.01481
1973	0.01701 0.01484	0.01699	0.01686	0.01657	0.01633

1974	0.01614 0.01427	0.01614	0.01604	0.0158	0.0156
1975	0.01613 0.01393	0.01612	0.016	0.01573	0.01551
1976	0.01455 0.01263	0.01454	0.01443	0.01416	0.01395
1977	0.0137 0.01205	0.01369	0.01362	0.01342	0.01323
1978	0.0164 0.01433	0.01639	0.01627	0.01601	0.0158
1979	0.01674 0.01466	0.01673	0.01662	0.01634	0.01612
1980	0.01763 0.01553	0.01762	0.01751	0.01726	0.01706
1981	0.01742 0.01538	0.01741	0.0173	0.01702	0.01679
1982	0.01966 0.01738	0.01965	0.01952	0.01925	0.01903
1983	0.02178 0.01889	0.02177	0.02164	0.02126	0.02093
1984	0.0193 0.01706	0.01928	0.01913	0.01881	0.01856
1985	0.01714 0.01517	0.01713	0.01703	0.01676	0.01653
1986	0.01887 0.01643	0.01886	0.01873	0.01844	0.01821
1987	0.01768 0.01555	0.01767	0.01753	0.01724	0.01701
1988	0.01632 0.0143	0.01632	0.01621	0.01595	0.01573
1989	0.01537 0.01346	0.01536	0.01526	0.01501	0.01481
1990	0.01612 0.01425	0.01611	0.016	0.0159	0.01572

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02093	0.02178 0.01889	0.02177	0.02164	0.02126
0.0645161290322581	0.01903	0.01966 0.01738	0.01965	0.01952	0.01925
0.0967741935483871	0.01856	0.0193 0.01706	0.01928	0.01913	0.01881
0.129032258064516	0.01821	0.01887 0.01643	0.01886	0.01873	0.01844
0.161290322580645	0.01706	0.01768 0.01555	0.01767	0.01753	0.01726
0.193548387096774	0.01701	0.01763 0.01553	0.01762	0.01751	0.01724
0.225806451612903	0.01679	0.01742 0.01538	0.01741	0.0173	0.01702
0.258064516129032	0.01675	0.01736 0.01521	0.01735	0.01723	0.01696
0.290322580645161	0.01653	0.01717 0.01517	0.01716	0.01703	0.01676

0.32258064516129	0.01714	0.01713	0.01703	0.01675
0.01653	0.01514			
0.354838709677419	0.01701	0.01699	0.01686	0.01657
0.01633	0.01484			
0.387096774193548	0.01674	0.01673	0.01662	0.01634
0.01612	0.01466			
0.419354838709677	0.01653	0.01653	0.01643	0.01619
0.01599	0.01462			
0.451612903225806	0.01647	0.01646	0.01636	0.01611
0.01589	0.01433			
0.483870967741936	0.0164	0.01639	0.01627	0.01601
0.0158	0.0143			
0.516129032258065	0.01632	0.01632	0.01621	0.01595
0.01573	0.01427			
0.548387096774194	0.01614	0.01614	0.01604	0.0159
0.01572	0.01425			
0.580645161290323	0.01613	0.01612	0.016	0.0158
0.0156	0.01421			
0.612903225806452	0.01612	0.01611	0.016	0.01573
0.01551	0.01393			
0.645161290322581	0.0156	0.01559	0.0155	0.01525
0.01504	0.01369			
0.67741935483871	0.01538	0.01537	0.01526	0.01501
0.01481	0.01358			
0.709677419354839	0.01537	0.01536	0.01526	0.01501
0.01481	0.01346			
0.741935483870968	0.01455	0.01454	0.01443	0.01416
0.01395	0.01263			
0.774193548387097	0.01427	0.01426	0.01417	0.01395
0.01378	0.01249			
0.806451612903226	0.0137	0.01369	0.01362	0.01342
0.01323	0.01205			
0.838709677419355	0.01369	0.01368	0.01359	0.01336
0.01317	0.01205			
0.870967741935484	0.01362	0.01361	0.01353	0.01332
0.01315	0.0119			
0.903225806451613	0.01261	0.0126	0.01253	0.01233
0.01217	0.01049			
0.935483870967742	0.007707	0.007702	0.007657	0.007525
0.007412	0.006347			
0.967741935483871	0.002918	0.002917	0.002908	0.002633
0.002584	0.001762			
0.1	0.019257	0.019238	0.01909	0.018773
	0.016997			0.018525

Average of yearly

averages: 0.0137199666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-air-5ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
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Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.063	fraction of application rate applied to pond	
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

12. CAcornOP: At Plant Applications to Corn (unspecified), Field Corn, Pop Corn, Sweet Corn, Sunflower. April 1, 1 Application, Ground.

12.1. Water Column

stored as esfen-agdrift-corn-grd-1ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				

1961	0.024 0.0004042	0.006206	0.002142	0.001069	0.0007948
1962	0.04341 0.00334	0.01706	0.006671	0.004776	0.004281
1963	0.07273 0.00684	0.02392	0.01146	0.009022	0.008486
1964	0.04916 0.00706	0.01857	0.009592	0.008128	0.008143
1965	0.03092 0.006887	0.01295	0.009467	0.008085	0.007763
1966	0.03 0.005896	0.01219	0.007384	0.00654	0.00646
1967	0.06461 0.007883	0.0235	0.0115	0.00927	0.009294
1968	0.03125 0.006922	0.01344	0.008633	0.007882	0.007868
1969	0.03535 0.008219	0.01673	0.01072	0.009695	0.009685
1970	0.03283 0.007973	0.01711	0.01025	0.00903	0.009044
1971	0.0313 0.006957	0.0135	0.008693	0.007873	0.007725
1972	0.03008 0.005929	0.01227	0.007474	0.006763	0.006611
1973	0.03153 0.007269	0.01372	0.009243	0.008493	0.00848
1974	0.03219 0.006393	0.01322	0.008117	0.007297	0.00711
1975	0.03046 0.006084	0.01266	0.008129	0.007359	0.007131
1976	0.02896 0.005011	0.01115	0.007208	0.006053	0.005774
1977	0.02847 0.004498	0.01067	0.005876	0.005104	0.004927
1978	0.0314 0.006848	0.01595	0.009564	0.00817	0.008061
1979	0.03122 0.006935	0.0134	0.008701	0.007995	0.008008
1980	0.03202 0.007689	0.01494	0.01027	0.009315	0.008932
1981	0.03168 0.007512	0.01433	0.009578	0.008449	0.008523
1982	0.06063 0.01019	0.02584	0.01494	0.01223	0.01163
1983	0.05848 0.01139	0.02529	0.01491	0.01316	0.01276
1984	0.03407 0.009365	0.01625	0.01142	0.01065	0.01059
1985	0.03198 0.007611	0.01416	0.009349	0.008754	0.008545
1986	0.05701 0.008791	0.02834	0.01336	0.01136	0.01074
1987	0.03216 0.007685	0.01434	0.009523	0.00905	0.008823
1988	0.03076 0.006555	0.01295	0.008447	0.007511	0.007355

1989	0.0301 0.005823	0.01229	0.007717	0.006969	0.006683
1990	0.05322 0.006659	0.01893	0.008878	0.007788	0.007738

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01276	0.07273	0.02834	0.01494	0.01316
0.0645161290322581	0.01163	0.06461	0.02584	0.01491	0.01223
0.0967741935483871	0.01074	0.06063	0.02529	0.01336	0.01136
0.129032258064516	0.01059	0.05848	0.02392	0.0115	0.01065
0.161290322580645	0.009685	0.05701	0.0235	0.01146	0.009695
0.193548387096774	0.009294	0.05322	0.01893	0.01142	0.009315
0.225806451612903	0.009044	0.04916	0.01857	0.01072	0.00927
0.258064516129032	0.008932	0.04341	0.01711	0.01027	0.00905
0.290322580645161	0.008823	0.03535	0.01706	0.01025	0.00903
0.32258064516129	0.008545	0.03407	0.01673	0.009592	0.009022
0.354838709677419	0.008523	0.03283	0.01625	0.009578	0.008754
0.387096774193548	0.008486	0.03219	0.01595	0.009564	0.008493
0.419354838709677	0.00848	0.03216	0.01494	0.009523	0.008449
0.451612903225806	0.008143	0.03202	0.01434	0.009467	0.00817
0.483870967741936	0.008061	0.03198	0.01433	0.009349	0.008128
0.516129032258065	0.008008	0.03168	0.01416	0.009243	0.008085
0.548387096774194	0.007868	0.03153	0.01372	0.008878	0.007995
0.580645161290323	0.007763	0.0314	0.0135	0.008701	0.007882
0.612903225806452	0.007738	0.0313	0.01344	0.008693	0.007873
0.645161290322581	0.007725	0.03125	0.0134	0.008633	0.007788
0.67741935483871	0.007355	0.03122	0.01322	0.008447	0.007511
0.709677419354839	0.007131	0.03092	0.01295	0.008129	0.007359
0.741935483870968	0.00711	0.03076	0.01295	0.008117	0.007297
0.774193548387097	0.006683	0.03046	0.01266	0.007717	0.006969

0.806451612903226	0.0301	0.01229	0.007474	0.006763
0.006611	0.005896			
0.838709677419355	0.03008	0.01227	0.007384	0.00654
0.00646	0.005823			
0.870967741935484	0.03	0.01219	0.007208	0.006053
0.005774	0.005011			
0.903225806451613	0.02896	0.01115	0.006671	0.005104
0.004927	0.004498			
0.935483870967742	0.02847	0.01067	0.005876	0.004776
0.004281	0.00334			
0.967741935483871	0.024	0.006206	0.002142	0.001069
0.0007948	0.0004042			
0.1	0.060415	0.025153	0.011289	0.010725
0.0093076				

Average of yearly

averages: 0.0068872733333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-grd-1ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none		none, monthly or
total(average of entire run)				

12.2. Pore Water

stored as esfen-agdrift-corn-grd-1apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAcornOP.txt

modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23232.dvf

modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0003392 9.383e-005	0.0003391	0.0003381	0.0002152	0.0001731
1962	0.001297 0.001052	0.001296	0.001289	0.001273	0.001243
1963	0.002786 0.002268	0.002784	0.002773	0.002732	0.002693
1964	0.0027 0.002439	0.002698	0.002685	0.002654	0.002655
1965	0.0027 0.002415	0.002699	0.002687	0.002647	0.002613
1966	0.002261 0.002061	0.00226	0.002247	0.002211	0.00221
1967	0.003093 0.002697	0.003092	0.003078	0.003047	0.003011
1968	0.002712 0.002429	0.00271	0.002696	0.00266	0.002644
1969	0.003191 0.002805	0.003189	0.003174	0.003128	0.003097
1970	0.003033 0.002755	0.003032	0.003018	0.002984	0.002986
1971	0.002732 0.002472	0.00273	0.00272	0.002697	0.002678
1972	0.002292 0.002082	0.002291	0.002279	0.002245	0.002245
1973	0.002811 0.002478	0.002809	0.002794	0.002756	0.002742
1974	0.002497 0.002254	0.002496	0.002484	0.00245	0.002432
1975	0.00243 0.002126	0.002429	0.002419	0.002386	0.002361
1976	0.002004 0.001766	0.002003	0.001993	0.001957	0.001929
1977	0.001715 0.001554	0.001714	0.001704	0.001682	0.001663
1978	0.002614 0.002318	0.002613	0.002605	0.002571	0.002549
1979	0.002698 0.002398	0.002696	0.002683	0.002645	0.002628
1980	0.002995 0.002655	0.002994	0.002979	0.002941	0.002931
1981	0.002868 0.002584	0.002867	0.002853	0.002816	0.00279
1982	0.003954 0.003448	0.003952	0.003934	0.003874	0.003823

1983	0.004491 0.003927	0.004488	0.00446	0.004382	0.004312
1984	0.003812 0.003346	0.003808	0.003792	0.003756	0.003724
1985	0.002972 0.00268	0.002971	0.002954	0.002917	0.002915
1986	0.003474 0.003029	0.003472	0.003457	0.003416	0.003405
1987	0.003036 0.002699	0.003035	0.003017	0.002982	0.002961
1988	0.002559 0.002306	0.002558	0.002544	0.002522	0.002501
1989	0.002299 0.002036	0.002297	0.002283	0.002246	0.00222
1990	0.002523 0.002288	0.002521	0.002504	0.002472	0.002473

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.004312	0.004491 0.003927	0.004488	0.00446	0.004382
0.0645161290322581	0.003823	0.003954 0.003448	0.003952	0.003934	0.003874
0.0967741935483871	0.003724	0.003812 0.003346	0.003808	0.003792	0.003756
0.129032258064516	0.003405	0.003474 0.003029	0.003472	0.003457	0.003416
0.161290322580645	0.003097	0.003191 0.002805	0.003189	0.003174	0.003128
0.193548387096774	0.003011	0.003093 0.002755	0.003092	0.003078	0.003047
0.225806451612903	0.002986	0.003036 0.002699	0.003035	0.003018	0.002984
0.258064516129032	0.002961	0.003033 0.002697	0.003032	0.003017	0.002982
0.290322580645161	0.002931	0.002995 0.00268	0.002994	0.002979	0.002941
0.32258064516129	0.002915	0.002972 0.002655	0.002971	0.002954	0.002917
0.354838709677419	0.00279	0.002868 0.002584	0.002867	0.002853	0.002816
0.387096774193548	0.002742	0.002811 0.002478	0.002809	0.002794	0.002756
0.419354838709677	0.002693	0.002786 0.002472	0.002784	0.002773	0.002732
0.451612903225806	0.002678	0.002732 0.002439	0.00273	0.00272	0.002697
0.483870967741936	0.002655	0.002712 0.002429	0.00271	0.002696	0.00266
0.516129032258065	0.002644	0.0027 0.002415	0.002699	0.002687	0.002654
0.548387096774194	0.002628	0.0027 0.002398	0.002698	0.002685	0.002647
0.580645161290323	0.002613	0.002698 0.002318	0.002696	0.002683	0.002645

0.612903225806452	0.002614	0.002613	0.002605	0.002571
0.002549	0.002306			
0.645161290322581	0.002559	0.002558	0.002544	0.002522
0.002501	0.002288			
0.67741935483871	0.002523	0.002521	0.002504	0.002472
0.002473	0.002268			
0.709677419354839	0.002497	0.002496	0.002484	0.00245
0.002432	0.002254			
0.741935483870968	0.00243	0.002429	0.002419	0.002386
0.002361	0.002126			
0.774193548387097	0.002299	0.002297	0.002283	0.002246
0.002245	0.002082			
0.806451612903226	0.002292	0.002291	0.002279	0.002245
0.00222	0.002061			
0.838709677419355	0.002261	0.00226	0.002247	0.002211
0.00221	0.002036			
0.870967741935484	0.002004	0.002003	0.001993	0.001957
0.001929	0.001766			
0.903225806451613	0.001715	0.001714	0.001704	0.001682
0.001663	0.001554			
0.935483870967742	0.001297	0.001296	0.001289	0.001273
0.001243	0.001052			
0.967741935483871	0.0003392	0.0003391	0.0003381	0.0002152
0.0001731	9.383e-005			
0.1	0.0037782	0.0037744	0.0037585	0.003722
0.0033143				0.0036921

Average of yearly

averages: 0.00238202766666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-corn-grd-1ap

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	

Spray Drift DRFT 0.007 fraction of application rate applied to pond

Application Date Date 01-04 dd/mm or dd/mmm or dd-mm or dd-mmm

Record 17: FILTRA
 IPSCND 1
 UPTKF

Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

13. CAcotton_WirrigSTD: Cotton. September 1, 10 Applications, Aerial.

13.1. Water Column

stored as esfen-agdrift-cotton-air-10ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAcotton_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:42:12

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1312 0.007108	0.04375	0.03009	0.02622	0.02308
1962	0.1462 0.02403	0.05931	0.04557	0.04174	0.03809
1963	0.1563 0.03577	0.06981	0.05572	0.05222	0.04869
1964	0.1612 0.04125	0.07579	0.0608	0.05711	0.05336
1965	0.1659 0.04679	0.079	0.06527	0.06199	0.05841
1966	0.1678 0.04916	0.07982	0.06614	0.06307	0.05978
1967	0.1709 0.05346	0.08365	0.07007	0.06716	0.06344
1968	0.1994 0.05326	0.09106	0.07182	0.06769	0.06391
1969	0.2375 0.06643	0.1066	0.08112	0.07825	0.07443
1970	0.1822 0.0663	0.09417	0.08061	0.07783	0.07441
1971	0.1808 0.06351	0.09272	0.07914	0.07622	0.07242
1972	0.177 0.06063	0.09034	0.07631	0.07323	0.07014
1973	0.1774 0.06027	0.08947	0.07643	0.07317	0.06942
1974	0.1754 0.05869	0.09035	0.07513	0.07174	0.06787

1975	0.1749 0.05715	0.0874	0.07431	0.07104	0.06724	
1976	0.1789	0.09175	0.07721	0.07438	0.07053	0.06
1977	0.1747 0.05836	0.0872	0.07394	0.07106	0.06726	
1978	0.1781 0.06185	0.09037	0.07703	0.07433	0.07065	
1979	0.175 0.05857	0.08725	0.07392	0.07112	0.06733	
1980	0.1966 0.06064	0.09456	0.07596	0.0733	0.06943	
1981	0.1744 0.05821	0.08691	0.07355	0.07058	0.06678	
1982	0.1756 0.0585	0.08861	0.07507	0.07182	0.06854	
1983	0.1807 0.06501	0.09273	0.07964	0.07689	0.07334	
1984	0.1753 0.05939	0.08748	0.0742	0.07119	0.06757	
1985	0.1752 0.05577	0.08565	0.07192	0.06869	0.06516	
1986	0.1735 0.0573	0.08623	0.07278	0.06981	0.06594	
1987	0.1736 0.05707	0.08615	0.07272	0.0701	0.06624	
1988	0.1721 0.05528	0.08454	0.07119	0.0684	0.06462	
1989	0.1755 0.05483	0.08556	0.07155	0.06848	0.06465	
1990	0.172 0.05484	0.0843	0.07092	0.06806	0.06424	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.07443	0.2375 0.06643	0.1066	0.08112	0.07825
0.0645161290322581	0.07441	0.1994 0.0663	0.09456	0.08061	0.07783
0.0967741935483871	0.07334	0.1966 0.06501	0.09417	0.07964	0.07689
0.129032258064516	0.07242	0.1822 0.06351	0.09273	0.07914	0.07622
0.161290322580645	0.07065	0.1808 0.06185	0.09272	0.07721	0.07438
0.193548387096774	0.07053	0.1807 0.06064	0.09175	0.07703	0.07433
0.225806451612903	0.07014	0.1789 0.06063	0.09106	0.07643	0.0733
0.258064516129032	0.06943	0.1781 0.06027	0.09037	0.07631	0.07323
0.290322580645161	0.06942	0.1774 0.06	0.09035	0.07596	0.07317
0.32258064516129	0.06854	0.177 0.05939	0.09034	0.07513	0.07182
0.354838709677419	0.06787	0.1756 0.05869	0.08947	0.07507	0.07174

0.387096774193548	0.1755	0.08861	0.07431	0.07119
0.06757	0.05857			
0.419354838709677	0.1754	0.08748	0.0742	0.07112
0.06733	0.0585			
0.451612903225806	0.1753	0.0874	0.07394	0.07106
0.06726	0.05836			
0.483870967741936	0.1752	0.08725	0.07392	0.07104
0.06724	0.05821			
0.516129032258065	0.175	0.0872	0.07355	0.07058
0.06678	0.0573			
0.548387096774194	0.1749	0.08691	0.07278	0.0701
0.06624	0.05715			
0.580645161290323	0.1747	0.08623	0.07272	0.06981
0.06594	0.05707			
0.612903225806452	0.1744	0.08615	0.07192	0.06869
0.06516	0.05577			
0.645161290322581	0.1736	0.08565	0.07182	0.06848
0.06465	0.05528			
0.67741935483871	0.1735	0.08556	0.07155	0.0684
0.06462	0.05484			
0.709677419354839	0.1721	0.08454	0.07119	0.06806
0.06424	0.05483			
0.741935483870968	0.172	0.0843	0.07092	0.06769
0.06391	0.05346			
0.774193548387097	0.1709	0.08365	0.07007	0.06716
0.06344	0.05326			
0.806451612903226	0.1678	0.07982	0.06614	0.06307
0.05978	0.04916			
0.838709677419355	0.1659	0.079	0.06527	0.06199
0.05841	0.04679			
0.870967741935484	0.1612	0.07579	0.0608	0.05711
0.05336	0.04125			
0.903225806451613	0.1563	0.06981	0.05572	0.05222
0.04869	0.03577			
0.935483870967742	0.1462	0.05931	0.04557	0.04174
0.03809	0.02403			
0.967741935483871	0.1312	0.04375	0.03009	0.02622
0.02308	0.007108			
0.1	0.19516	0.094026	0.07959	0.076823
0.06486				0.073248

Average of yearly

averages: 0.0539809333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cotton-air-10ap

Metfile: w93193.dvf

PRZM scenario: Ccotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	
Spray Drift DRFT	0.063		fraction of	application rate applied to pond	
Application Date	Date		01-09	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days	Set to 0 or delete line for single app.	
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days	Set to 0 or delete line for single app.	
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days	Set to 0 or delete line for single app.	
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days	Set to 0 or delete line for single app.	
app. rate 6 apprate			kg/ha		
Interval 7 interval	7		days	Set to 0 or delete line for single app.	
app. rate 7 apprate			kg/ha		
Interval 8 interval	7		days	Set to 0 or delete line for single app.	
app. rate 8 apprate			kg/ha		
Interval 9 interval	7		days	Set to 0 or delete line for single app.	
app. rate 9 apprate			kg/ha		
Record 17: FILTRA					
IPSCND	1				
UPTKF					
Record 18: PLVKRT					
PLDKRT					
FEXTRC	0.5				
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none	none, monthly or	
total(average of entire run)					

13.2. Pore Water

stored as esfen-agdrift-cotton-air-10apben.out

Chemical: esfenAgDRIFT

PRZM environment: CACotton_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:12

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf

modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.005639 0.001335	0.005637	0.005621	0.005464	0.004901
1962	0.01072 0.007257	0.01072	0.01067	0.01056	0.01012
1963	0.01439 0.01146	0.01438	0.01436	0.01426	0.01383
1964	0.01606 0.01359	0.01606	0.01602	0.01587	0.01545
1965	0.01781 0.01549	0.0178	0.01777	0.01765	0.01725
1966	0.01869 0.01636	0.01869	0.01863	0.01828	0.01781
1967	0.01959 0.01789	0.01958	0.0195	0.01934	0.01899
1968	0.01985 0.01786	0.01984	0.01977	0.01965	0.01919
1969	0.0238 0.02208	0.02379	0.0237	0.02353	0.02332
1970	0.02399 0.02233	0.02398	0.02388	0.02371	0.02367
1971	0.02345 0.0216	0.02343	0.02334	0.02314	0.02296
1972	0.02248 0.02055	0.02246	0.02239	0.02222	0.02203
1973	0.02177 0.02036	0.02176	0.02168	0.02156	0.02154
1974	0.02151 0.01983	0.0215	0.02143	0.02127	0.02112
1975	0.02101 0.01934	0.021	0.02093	0.02075	0.02038
1976	0.02206 0.02017	0.02205	0.022	0.02181	0.02145
1977	0.02156 0.01971	0.02156	0.02149	0.0213	0.02112
1978	0.02206 0.02073	0.02205	0.02199	0.02184	0.02171
1979	0.0216 0.01982	0.02159	0.02157	0.02143	0.0213
1980	0.02185 0.02035	0.02184	0.02175	0.0216	0.02138
1981	0.02129 0.01964	0.02128	0.02122	0.02108	0.02101
1982	0.02166 0.01957	0.02165	0.02142	0.0213	0.02082
1983	0.02314 0.0218	0.02313	0.02305	0.023	0.02291

1984	0.02244 0.02011	0.02241	0.02232	0.02211	0.02192
1985	0.02068 0.01881	0.02067	0.0206	0.02042	0.02026
1986	0.02087 0.0191	0.02086	0.02049	0.02036	0.02006
1987	0.02093 0.01927	0.02093	0.02087	0.02071	0.02059
1988	0.02004 0.01859	0.02002	0.01997	0.0198	0.01965
1989	0.02006 0.01845	0.02005	0.01996	0.01978	0.01947
1990	0.01989 0.01843	0.01989	0.01983	0.01968	0.01957

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02367	0.02399	0.02398	0.02388	0.02371
0.0645161290322581	0.02332	0.0238	0.02379	0.0237	0.02353
0.0967741935483871	0.02296	0.02345	0.02343	0.02334	0.02314
0.129032258064516	0.02291	0.02314	0.02313	0.02305	0.023
0.161290322580645	0.02203	0.02248	0.02246	0.02239	0.02222
0.193548387096774	0.02192	0.02244	0.02241	0.02232	0.02211
0.225806451612903	0.02171	0.02206	0.02205	0.022	0.02184
0.258064516129032	0.02154	0.02206	0.02205	0.02199	0.02181
0.290322580645161	0.02145	0.02185	0.02184	0.02175	0.0216
0.32258064516129	0.02138	0.02177	0.02176	0.02168	0.02156
0.354838709677419	0.0213	0.02166	0.02165	0.02157	0.02143
0.387096774193548	0.02112	0.0216	0.02159	0.02149	0.0213
0.419354838709677	0.02112	0.02156	0.02156	0.02143	0.0213
0.451612903225806	0.02101	0.02151	0.0215	0.02142	0.02127
0.483870967741936	0.02082	0.02129	0.02128	0.02122	0.02108
0.516129032258065	0.02059	0.02101	0.021	0.02093	0.02075
0.548387096774194	0.02038	0.02093	0.02093	0.02087	0.02071
0.580645161290323	0.02026	0.02087	0.02086	0.0206	0.02042
0.612903225806452	0.02006	0.02068	0.02067	0.02049	0.02036

0.645161290322581	0.02006	0.02005	0.01997	0.0198
0.01965	0.01859			
0.67741935483871	0.02004	0.02002	0.01996	0.01978
0.01957	0.01845			
0.709677419354839	0.01989	0.01989	0.01983	0.01968
0.01947	0.01843			
0.741935483870968	0.01985	0.01984	0.01977	0.01965
0.01919	0.01789			
0.774193548387097	0.01959	0.01958	0.0195	0.01934
0.01899	0.01786			
0.806451612903226	0.01869	0.01869	0.01863	0.01828
0.01781	0.01636			
0.838709677419355	0.01781	0.0178	0.01777	0.01765
0.01725	0.01549			
0.870967741935484	0.01606	0.01606	0.01602	0.01587
0.01545	0.01359			
0.903225806451613	0.01439	0.01438	0.01436	0.01426
0.01383	0.01146			
0.935483870967742	0.01072	0.01072	0.01067	0.01056
0.01012	0.007257			
0.967741935483871	0.005639	0.005637	0.005621	0.005464
0.004901	0.001335			
0.1	0.023419	0.0234	0.023311	0.023126
	0.02178			0.022955

Average of yearly

averages: 0.0180627333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cotton-air-10ap

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	

Application Date	Date	01-09	dd/mm or dd/mmm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

14. CAcotton_WirrigSTD: Cotton. September 1, 10 Applications, Ground.

14.1. Water Column

stored as esfen-agdrift-cotton-grd-10ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAcotton_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:12

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				
1961	0.02168	0.008682	0.005061	0.004561	0.004192
	0.00128				
1962	0.08898	0.03346	0.01195	0.009338	0.008808
	0.006927				

1963	0.04587 0.0107	0.01971	0.01321	0.01264	0.01225
1964	0.02947 0.01095	0.01803	0.01413	0.01324	0.01266
1965	0.08797 0.01285	0.03144	0.01642	0.01475	0.01433
1966	0.06269 0.01296	0.03252	0.01792	0.01528	0.01488
1967	0.04939 0.01526	0.02508	0.01762	0.01675	0.01623
1968	0.05235 0.01449	0.02392	0.01737	0.01637	0.01587
1969	0.1694 0.02466	0.05911	0.03559	0.03048	0.02908
1970	0.08683 0.02391	0.04316	0.0289	0.02691	0.02619
1971	0.03937 0.02125	0.02482	0.02265	0.02239	0.02223
1972	0.03734 0.01869	0.02551	0.02092	0.01988	0.01969
1973	0.06182 0.01805	0.02944	0.02094	0.01971	0.01923
1974	0.03667 0.01676	0.02358	0.01876	0.01797	0.01762
1975	0.03252 0.01521	0.01924	0.01737	0.01673	0.01614
1976	0.1046 0.01689	0.03905	0.02333	0.01925	0.01839
1977	0.04648 0.01568	0.02311	0.01764	0.01693	0.01656
1978	0.07725 0.0193	0.04085	0.02303	0.02204	0.0213
1979	0.0309 0.0172	0.02084	0.01885	0.01851	0.01831
1980	0.1295 0.01927	0.0472	0.02672	0.02234	0.02134
1981	0.05699 0.01774	0.02813	0.02084	0.01949	0.01913
1982	0.07232 0.01763	0.0318	0.02035	0.01932	0.01898
1983	0.1019 0.02297	0.04283	0.03064	0.02636	0.02545
1984	0.03274 0.01895	0.02175	0.02065	0.02052	0.02033
1985	0.03384 0.01636	0.02152	0.01803	0.01749	0.0172
1986	0.107 0.01783	0.0403	0.02159	0.02005	0.01932
1987	0.036 0.01761	0.02334	0.0194	0.01878	0.01878
1988	0.03382 0.01595	0.02065	0.01795	0.01723	0.01675
1989	0.03819 0.01545	0.02145	0.01725	0.01672	0.01616
1990	0.05668 0.01526	0.02825	0.01801	0.01666	0.01613

Sorted results		96 hr	21 Day	60 Day	90 Day
Prob.	Peak Yearly				
0.032258064516129	0.02908	0.1694	0.05911	0.03559	0.03048
0.0645161290322581	0.02619	0.02466	0.0472	0.03064	0.02691
0.0967741935483871	0.02545	0.1295	0.04316	0.0289	0.02636
0.129032258064516	0.02223	0.02391	0.04283	0.02672	0.02239
0.161290322580645	0.02134	0.107	0.04085	0.02333	0.02234
0.193548387096774	0.0213	0.1046	0.0403	0.02303	0.02204
0.225806451612903	0.02033	0.02297	0.03905	0.02265	0.02052
0.258064516129032	0.01969	0.08797	0.03346	0.02159	0.02005
0.290322580645161	0.01932	0.01895	0.03252	0.02094	0.01988
0.32258064516129	0.01923	0.08683	0.0318	0.02092	0.01971
0.354838709677419	0.01913	0.07725	0.03144	0.02084	0.01949
0.387096774193548	0.01898	0.07232	0.02944	0.02065	0.01932
0.419354838709677	0.01878	0.06269	0.02825	0.02035	0.01925
0.451612903225806	0.01839	0.06182	0.02813	0.0194	0.01878
0.483870967741936	0.01831	0.01763	0.02551	0.01885	0.01851
0.516129032258065	0.01762	0.05699	0.02508	0.01876	0.01797
0.548387096774194	0.0172	0.01761	0.02482	0.01803	0.01749
0.580645161290323	0.01675	0.05668	0.02392	0.01801	0.01723
0.612903225806452	0.01656	0.0172	0.02358	0.01795	0.01693
0.645161290322581	0.01623	0.05235	0.02334	0.01792	0.01675
0.67741935483871	0.01616	0.01689	0.02311	0.01764	0.01673
0.709677419354839	0.01614	0.04939	0.02175	0.01762	0.01672
0.741935483870968	0.01613	0.01676	0.02152	0.01737	0.01666
0.774193548387097	0.01587	0.04648	0.02145	0.01737	0.01637
0.806451612903226	0.01488	0.01636	0.02084	0.01725	0.01528
0.838709677419355	0.01433	0.04587	0.02065	0.01642	0.01475
0.870967741935484	0.01266	0.03937	0.01971	0.01413	0.01324
		0.01568			
		0.03819			
		0.01545			
		0.03734			
		0.01526			
		0.03667			
		0.01526			
		0.036			
		0.01521			
		0.03384			
		0.01449			
		0.03382			
		0.01296			
		0.03274			
		0.01285			
		0.03252			
		0.01095			

0.903225806451613	0.0309	0.01924	0.01321	0.01264
0.01225	0.0107			
0.935483870967742	0.02947	0.01803	0.01195	0.009338
0.008808	0.006927			
0.967741935483871	0.02168	0.008682	0.005061	0.004561
0.004192	0.00128			
0.1	0.10676	0.043127	0.028682	0.025963
	0.022798			0.025128

Average of yearly

averages: 0.0162679

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cotton-grd-10ap

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-09	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	

Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

14.2. Pore Water

stored as esfen-agdrift-cotton-grd-10apben.out

Chemical: esfenAgDRIFT

PRZM environment: CACotton_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:12

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.001215 0.0002426	0.001215	0.001211	0.001077	0.0009146
1962	0.002749 0.002154	0.002747	0.002736	0.002709	0.002641
1963	0.003954 0.003489	0.003952	0.003938	0.003915	0.003852
1964	0.00409 0.003695	0.004088	0.004077	0.00405	0.003966
1965	0.004689 0.004306	0.004685	0.004675	0.004657	0.004573
1966	0.005103 0.004356	0.005102	0.005086	0.004748	0.004601
1967	0.005585 0.005168	0.005582	0.005554	0.005453	0.005393
1968	0.005275 0.004934	0.005273	0.005245	0.005201	0.005171
1969	0.009218 0.00815	0.009212	0.009164	0.009118	0.009063
1970	0.009031 0.00814	0.009027	0.008986	0.00888	0.008779
1971	0.008174 0.007395	0.008167	0.008136	0.008065	0.008003

1972	0.007199 0.006474	0.007193	0.007171	0.007127	0.007071
1973	0.006762 0.006199	0.006759	0.006732	0.006703	0.006663
1974	0.006287 0.005757	0.006285	0.006264	0.00621	0.006176
1975	0.005701 0.005257	0.005699	0.005687	0.005646	0.00561
1976	0.006236 0.005707	0.006234	0.006212	0.006151	0.006094
1977	0.005883 0.005355	0.005881	0.005864	0.005812	0.005768
1978	0.00716 0.00648	0.007157	0.007122	0.00703	0.006976
1979	0.006521 0.005938	0.00652	0.0065	0.006477	0.006458
1980	0.007255 0.006493	0.007251	0.00722	0.007137	0.007073
1981	0.006683 0.006097	0.00668	0.006669	0.006632	0.006605
1982	0.006608 0.005931	0.006606	0.006382	0.006232	0.006168
1983	0.008482 0.007733	0.008474	0.008407	0.00834	0.008327
1984	0.007474 0.006571	0.007467	0.007436	0.007371	0.00731
1985	0.0063 0.005641	0.006295	0.006274	0.006225	0.006181
1986	0.006644 0.00595	0.00664	0.006603	0.0065	0.006413
1987	0.006655 0.006083	0.006654	0.006635	0.006593	0.006586
1988	0.005795 0.005441	0.005793	0.005783	0.005741	0.005713
1989	0.005725 0.005304	0.005722	0.005685	0.005624	0.0056
1990	0.005595 0.005188	0.005594	0.005579	0.005553	0.005507

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.009063	0.009218	0.009212	0.009164	0.009118
0.0645161290322581	0.008779	0.009031	0.009027	0.008986	0.00888
0.0967741935483871	0.008327	0.008482	0.008474	0.008407	0.00834
0.129032258064516	0.008003	0.008174	0.008167	0.008136	0.008065
0.161290322580645	0.00731	0.007474	0.007467	0.007436	0.007371
0.193548387096774	0.007073	0.007255	0.007251	0.00722	0.007137
0.225806451612903	0.007071	0.007199	0.007193	0.007171	0.007127
		0.00648			

0.258064516129032	0.00716	0.007157	0.007122	0.00703
0.006976	0.006474			
0.290322580645161	0.006762	0.006759	0.006732	0.006703
0.006663	0.006199			
0.32258064516129	0.006683	0.00668	0.006669	0.006632
0.006605	0.006097			
0.354838709677419	0.006655	0.006654	0.006635	0.006593
0.006586	0.006083			
0.387096774193548	0.006644	0.00664	0.006603	0.0065
0.006458	0.00595			
0.419354838709677	0.006608	0.006606	0.0065	0.006477
0.006413	0.005938			
0.451612903225806	0.006521	0.00652	0.006382	0.006232
0.006181	0.005931			
0.483870967741936	0.0063	0.006295	0.006274	0.006225
0.006176	0.005757			
0.516129032258065	0.006287	0.006285	0.006264	0.00621
0.006168	0.005707			
0.548387096774194	0.006236	0.006234	0.006212	0.006151
0.006094	0.005641			
0.580645161290323	0.005883	0.005881	0.005864	0.005812
0.005768	0.005441			
0.612903225806452	0.005795	0.005793	0.005783	0.005741
0.005713	0.005355			
0.645161290322581	0.005725	0.005722	0.005687	0.005646
0.00561	0.005304			
0.67741935483871	0.005701	0.005699	0.005685	0.005624
0.0056	0.005257			
0.709677419354839	0.005595	0.005594	0.005579	0.005553
0.005507	0.005188			
0.741935483870968	0.005585	0.005582	0.005554	0.005453
0.005393	0.005168			
0.774193548387097	0.005275	0.005273	0.005245	0.005201
0.005171	0.004934			
0.806451612903226	0.005103	0.005102	0.005086	0.004748
0.004601	0.004356			
0.838709677419355	0.004689	0.004685	0.004675	0.004657
0.004573	0.004306			
0.870967741935484	0.00409	0.004088	0.004077	0.00405
0.003966	0.003695			
0.903225806451613	0.003954	0.003952	0.003938	0.003915
0.003852	0.003489			
0.935483870967742	0.002749	0.002747	0.002736	0.002709
0.002641	0.002154			
0.967741935483871	0.001215	0.001215	0.001211	0.001077
0.0009146	0.0002426			

0.1	0.0084512	0.0084433	0.0083799	0.0083125	0.0082946
	0.0076992				

Average of yearly

averages: 0.0055209533333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-cotton-grd-10ap

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift	DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date		01-09	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		
Interval 4	interval	7	days		Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha		
Interval 5	interval	7	days		Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha		
Interval 6	interval	7	days		Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha		
Interval 7	interval	7	days		Set to 0 or delete line for single app.
app. rate 7	apprate		kg/ha		
Interval 8	interval	7	days		Set to 0 or delete line for single app.
app. rate 8	apprate		kg/ha		
Interval 9	interval	7	days		Set to 0 or delete line for single app.
app. rate 9	apprate		kg/ha		
Record 17:	FILTRA				
	IPSCND	1			
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				

FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

15. CAfruit_WirrigSTD: Apple, Apricot, Cherry, Peach, Pear, Plum, Prune, Nectarine.

January 1, 9 Applications with 1 Start Date, Aerial.

15.1. Water Column

stored as esfen-agdrift-fruit-air-9ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007
at 12:42:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1733 0.01829	0.0567	0.03844	0.03319	0.02811
1962	0.1909 0.03063	0.07502	0.05452	0.04745	0.04228
1963	0.1964 0.03922	0.07977	0.06173	0.05672	0.0516
1964	0.2031 0.04464	0.08653	0.06834	0.06336	0.05808
1965	0.2072 0.04929	0.09058	0.07242	0.06752	0.0631
1966	0.2114 0.05124	0.09479	0.07663	0.07173	0.06635
1967	0.2123 0.05304	0.09574	0.07758	0.07274	0.06749
1968	0.2133 0.05321	0.09671	0.07862	0.07387	0.06841
1969	0.2288 0.05869	0.1193	0.08741	0.07968	0.07414
1970	0.2188 0.05848	0.1067	0.08548	0.07995	0.07461
1971	0.2181 0.05799	0.1015	0.08331	0.07849	0.07308
1972	0.2182 0.0572	0.1016	0.08351	0.07875	0.07325
1973	0.2196 0.05684	0.101	0.0834	0.07811	0.0727
1974	0.2168 0.0561	0.1002	0.08211	0.07737	0.07192
1975	0.2159 0.05603	0.09935	0.08121	0.0764	0.071
1976	0.218 0.05802	0.1014	0.08449	0.07858	0.07314
1977	0.2185 0.05749	0.1019	0.0838	0.0791	0.07364
1978	0.2192 0.05723	0.1009	0.08387	0.07826	0.07312

1979	0.2168 0.05563	0.1001	0.0821	0.07729	0.07182
1980	0.2603 0.05591	0.1093	0.08366	0.07685	0.07156
1981	0.2187 0.05466	0.09917	0.08104	0.07636	0.07091
1982	0.2143 0.05485	0.09775	0.07961	0.07488	0.06971
1983	0.2329 0.05682	0.1027	0.08286	0.07796	0.07252
1984	0.216 0.05447	0.09939	0.08126	0.07651	0.07104
1985	0.2137 0.05273	0.09705	0.07892	0.07412	0.06871
1986	0.244 0.05303	0.1017	0.08036	0.07405	0.06892
1987	0.2131 0.05271	0.09654	0.07852	0.07367	0.06828
1988	0.213 0.05289	0.09663	0.07834	0.07349	0.06807
1989	0.2132 0.05324	0.09658	0.07894	0.07357	0.06862
1990	0.214 0.05385	0.09742	0.07927	0.07456	0.0691

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.07461	0.2603 0.05869	0.1193	0.08741	0.07995	
0.0645161290322581	0.07414	0.244 0.05848	0.1093	0.08548	0.07968	
0.0967741935483871	0.07364	0.2329 0.05802	0.1067	0.08449	0.0791	
0.129032258064516	0.07325	0.2288 0.05799	0.1027	0.08387	0.07875	
0.161290322580645	0.07314	0.2196 0.05749	0.1019	0.0838	0.07858	
0.193548387096774	0.07312	0.2192 0.05723	0.1017	0.08366	0.07849	
0.225806451612903	0.07308	0.2188 0.0572	0.1016	0.08351	0.07826	
0.258064516129032	0.0727	0.2187 0.05684	0.1015	0.0834	0.07811	
0.290322580645161	0.07252	0.2185 0.05682	0.1014	0.08331	0.07796	
0.32258064516129	0.07192	0.2182 0.0561	0.101	0.08286	0.07737	
0.354838709677419	0.07182	0.2181 0.05603	0.1009	0.08211	0.07729	
0.387096774193548	0.07156	0.218 0.05591	0.1002	0.0821	0.07685	
0.419354838709677	0.07104	0.2168 0.05563	0.1001	0.08126	0.07651	
0.451612903225806	0.05485	0.2168	0.09939	0.08121	0.0764	0.071

0.483870967741936	0.216	0.09935	0.08104	0.07636
0.07091	0.05466			
0.516129032258065	0.2159	0.09917	0.08036	0.07488
0.06971	0.05447			
0.548387096774194	0.2143	0.09775	0.07961	0.07456
0.0691	0.05385			
0.580645161290323	0.214	0.09742	0.07927	0.07412
0.06892	0.05324			
0.612903225806452	0.2137	0.09705	0.07894	0.07405
0.06871	0.05321			
0.645161290322581	0.2133	0.09671	0.07892	0.07387
0.06862	0.05304			
0.67741935483871	0.2132	0.09663	0.07862	0.07367
0.06841	0.05303			
0.709677419354839	0.2131	0.09658	0.07852	0.07357
0.06828	0.05289			
0.741935483870968	0.213	0.09654	0.07834	0.07349
0.06807	0.05273			
0.774193548387097	0.2123	0.09574	0.07758	0.07274
0.06749	0.05271			
0.806451612903226	0.2114	0.09479	0.07663	0.07173
0.06635	0.05124			
0.838709677419355	0.2072	0.09058	0.07242	0.06752
0.0631	0.04929			
0.870967741935484	0.2031	0.08653	0.06834	0.06336
0.05808	0.04464			
0.903225806451613	0.1964	0.07977	0.06173	0.05672
0.0516	0.03922			
0.935483870967742	0.1909	0.07502	0.05452	0.04745
0.04228	0.03063			
0.967741935483871	0.1733	0.0567	0.03844	0.03319
0.02811	0.01829			
0.1	0.23249	0.1063	0.084428	0.079065
	0.058017			

Average of yearly

averages: 0.0521473333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-air-9ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
	Halfife			

Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.08	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of	application rate applied to pond	
Application Date	Date	01-01	dd/mm or dd/mm/ or dd-mm or dd-yyy	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

15.2. Pore Water

stored as esfen-agdrift-fruit-air-9apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt
at 12:42:32

modified Tuesday, 29 May 2007

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.006496 0.005172	0.006493	0.006466	0.006385	0.00631
1962	0.01156 0.00957	0.01156	0.01151	0.01137	0.01123
1963	0.01479 0.01267	0.01479	0.01473	0.01465	0.01453
1964	0.01723 0.01467	0.01722	0.01715	0.01696	0.01679
1965	0.01902 0.01629	0.01901	0.01893	0.01873	0.01854
1966	0.0202 0.01704	0.02019	0.02009	0.01982	0.01959
1967	0.02054 0.01766	0.02053	0.02046	0.0203	0.02018
1968	0.02089 0.01776	0.02088	0.02078	0.02052	0.02031
1969	0.02288 0.01952	0.02287	0.02278	0.02258	0.02235
1970	0.02308 0.01961	0.02307	0.02297	0.0227	0.02247
1971	0.0226 0.01946	0.02258	0.02249	0.02224	0.02207
1972	0.02266 0.0192	0.02265	0.02252	0.02222	0.02198
1973	0.02242 0.01905	0.02241	0.02233	0.02208	0.02186
1974	0.02216 0.0188	0.02215	0.02205	0.02178	0.02156
1975	0.02184 0.01878	0.02183	0.02174	0.02151	0.02133
1976	0.02258 0.01943	0.02257	0.02248	0.02224	0.02203
1977	0.02276 0.0193	0.02275	0.02266	0.02239	0.02214
1978	0.02251 0.01913	0.0225	0.0224	0.02216	0.02196
1979	0.02212 0.01863	0.02211	0.02201	0.02172	0.02149
1980	0.02196 0.01867	0.02195	0.0219	0.02165	0.02143
1981	0.02177 0.01827	0.02176	0.02167	0.02141	0.02118
1982	0.02126 0.01831	0.02125	0.02119	0.02103	0.02084
1983	0.02226 0.01897	0.02225	0.02214	0.0219	0.02172
1984	0.02186 0.01822	0.02184	0.02173	0.02145	0.02121
1985	0.02101 0.01759	0.021	0.02091	0.02065	0.0204
1986	0.02092 0.01762	0.02091	0.02086	0.02064	0.02042
1987	0.02083 0.01757	0.02082	0.02073	0.02047	0.02022

1988	0.02079 0.01763	0.02078	0.02068	0.02042	0.02025
1989	0.02091 0.01774	0.0209	0.0208	0.02059	0.02037
1990	0.02114 0.01795	0.02113	0.02103	0.02075	0.02051

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129		0.02308	0.02307	0.02297	0.0227
0.02247		0.01961			
0.0645161290322581		0.02288	0.02287	0.02278	0.02258
0.02235		0.01952			
0.0967741935483871		0.02276	0.02275	0.02266	0.02239
0.02214		0.01946			
0.129032258064516		0.02266	0.02265	0.02252	0.02224
0.02207		0.01943			
0.161290322580645		0.0226	0.02258	0.02249	0.02224
0.02203		0.0193			
0.193548387096774		0.02258	0.02257	0.02248	0.02222
0.02198		0.0192			
0.225806451612903		0.02251	0.0225	0.0224	0.02216
0.02196		0.01913			
0.258064516129032		0.02242	0.02241	0.02233	0.02208
0.02186		0.01905			
0.290322580645161		0.02226	0.02225	0.02214	0.0219
0.02172		0.01897			
0.32258064516129		0.02216	0.02215	0.02205	0.02178
0.02156		0.0188			
0.354838709677419		0.02212	0.02211	0.02201	0.02172
0.02149		0.01878			
0.387096774193548		0.02196	0.02195	0.0219	0.02165
0.02143		0.01867			
0.419354838709677		0.02186	0.02184	0.02174	0.02151
0.02133		0.01863			
0.451612903225806		0.02184	0.02183	0.02173	0.02145
0.02121		0.01831			
0.483870967741936		0.02177	0.02176	0.02167	0.02141
0.02118		0.01827			
0.516129032258065		0.02126	0.02125	0.02119	0.02103
0.02084		0.01822			
0.548387096774194		0.02114	0.02113	0.02103	0.02075
0.02051		0.01795			
0.580645161290323		0.02101	0.021	0.02091	0.02065
0.02042		0.01776			
0.612903225806452		0.02092	0.02091	0.02086	0.02064
0.0204		0.01774			
0.645161290322581		0.02091	0.0209	0.0208	0.02059
0.02037		0.01766			
0.67741935483871		0.02089	0.02088	0.02078	0.02052
0.02031		0.01763			
0.709677419354839		0.02083	0.02082	0.02073	0.02047
0.02025		0.01762			
0.741935483870968		0.02079	0.02078	0.02068	0.02042
0.02022		0.01759			

0.774193548387097	0.02054	0.02053	0.02046	0.0203
0.02018	0.01757			
0.806451612903226	0.0202	0.02019	0.02009	0.01982
0.01959	0.01704			
0.838709677419355	0.01902	0.01901	0.01893	0.01873
0.01854	0.01629			
0.870967741935484	0.01723	0.01722	0.01715	0.01696
0.01679	0.01467			
0.903225806451613	0.01479	0.01479	0.01473	0.01465
0.01453	0.01267			
0.935483870967742	0.01156	0.01156	0.01151	0.01137
0.01123	0.00957			
0.967741935483871	0.006496	0.006493	0.006466	0.006385
0.00631	0.005172			
0.1	0.02275	0.02274	0.022646	0.022375
	0.019457			0.022133

Average of yearly

averages: 0.0173427333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-air-9ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.08	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date	Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		

Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

16. CAfruit_WirrigSTD: Apple, Apricot, Cherry, Peach, Pear, Plum, Prune, Nectarine.
January 1, 9 Applications with 1 Start Date, Ground.

16.1. Water Column

stored as esfen-agdrift-fruit-grd-9ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:32

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01932 0.002131	0.006368	0.00434	0.003778	0.003206
1962	0.04987 0.004612	0.02142	0.009793	0.00681	0.006144
1963	0.02346 0.006122	0.012	0.009163	0.007945	0.007593
1964	0.02406 0.006313	0.01111	0.009091	0.008552	0.007955
1965	0.06576 0.007532	0.02258	0.011	0.009518	0.00908
1966	0.02527 0.007282	0.01231	0.0103	0.009771	0.009159
1967	0.03233 0.007755	0.01481	0.01007	0.00956	0.009195

1968	0.0253 0.007367	0.01234	0.01035	0.009824	0.009204
1969	0.1026 0.01181	0.03885	0.01833	0.01552	0.01477
1970	0.03967 0.01114	0.02073	0.01548	0.01433	0.01364
1971	0.02801 0.01007	0.01505	0.01305	0.01255	0.01192
1972	0.02729 0.009038	0.01433	0.01233	0.01183	0.01119
1973	0.03207 0.008594	0.01747	0.01258	0.01131	0.0107
1974	0.02602 0.007939	0.01307	0.01107	0.01061	0.009974
1975	0.02537 0.007446	0.01242	0.01041	0.009888	0.009278
1976	0.05112 0.008489	0.02208	0.01371	0.01108	0.01038
1977	0.02612 0.008026	0.01317	0.01116	0.01067	0.01005
1978	0.0354 0.009021	0.02084	0.01328	0.01157	0.01108
1979	0.02636 0.008166	0.01371	0.01147	0.01091	0.01027
1980	0.07416 0.008956	0.02561	0.01417	0.01172	0.0111
1981	0.03627 0.008281	0.01532	0.01156	0.011	0.01037
1982	0.02571 0.008197	0.01276	0.01075	0.01033	0.00993
1983	0.05231 0.009761	0.01949	0.01429	0.01267	0.0119
1984	0.02681 0.008516	0.01385	0.01184	0.01135	0.01072
1985	0.02572 0.007595	0.01276	0.01076	0.01025	0.009629
1986	0.06082 0.008287	0.02138	0.01271	0.01097	0.01033
1987	0.02586 0.007849	0.01309	0.01101	0.01043	0.009853
1988	0.02526 0.007598	0.01256	0.01037	0.009803	0.009195
1989	0.02954 0.007823	0.01376	0.01074	0.009791	0.009547
1990	0.0388 0.008113	0.01608	0.01067	0.01029	0.009629

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01477	0.1026	0.03885	0.01833	0.01552
0.0645161290322581	0.01364	0.07416	0.02561	0.01548	0.01433
0.0967741935483871	0.01192	0.06576	0.02258	0.01429	0.01267
		0.01007			

0.129032258064516	0.06082	0.02208	0.01417	0.01255
0.0119	0.009761			
0.161290322580645	0.05231	0.02142	0.01371	0.01183
0.01119	0.009038			
0.193548387096774	0.05112	0.02138	0.01328	0.01172
0.0111	0.009021			
0.225806451612903	0.04987	0.02084	0.01305	0.01157
0.01108	0.008956			
0.258064516129032	0.03967	0.02073	0.01271	0.01135
0.01072	0.008594			
0.290322580645161	0.0388	0.01949	0.01258	0.01131
0.0107	0.008516			
0.32258064516129	0.03627	0.01747	0.01233	0.01108
0.01038	0.008489			
0.354838709677419	0.0354	0.01608	0.01184	0.011
0.01037	0.008287			
0.387096774193548	0.03233	0.01532	0.01156	0.01097
0.01033	0.008281			
0.419354838709677	0.03207	0.01505	0.01147	0.01091
0.01027	0.008197			
0.451612903225806	0.02954	0.01481	0.01116	0.01067
0.01005	0.008166			
0.483870967741936	0.02801	0.01433	0.01107	0.01061
0.009974	0.008113			
0.516129032258065	0.02729	0.01385	0.01101	0.01043
0.00993	0.008026			
0.548387096774194	0.02681	0.01376	0.011	0.01033
0.009853	0.007939			
0.580645161290323	0.02636	0.01371	0.01076	0.01029
0.009629	0.007849			
0.612903225806452	0.02612	0.01317	0.01075	0.01025
0.009629	0.007823			
0.645161290322581	0.02602	0.01309	0.01074	0.009888
0.009547	0.007755			
0.67741935483871	0.02586	0.01307	0.01067	0.009824
0.009278	0.007598			
0.709677419354839	0.02572	0.01276	0.01041	0.009803
0.009204	0.007595			
0.741935483870968	0.02571	0.01276	0.01037	0.009791
0.009195	0.007532			
0.774193548387097	0.02537	0.01256	0.01035	0.009771
0.009195	0.007446			
0.806451612903226	0.0253	0.01242	0.0103	0.00956
0.009159	0.007367			
0.838709677419355	0.02527	0.01234	0.01007	0.009518
0.00908	0.007282			
0.870967741935484	0.02526	0.01231	0.009793	0.008552
0.007955	0.006313			
0.903225806451613	0.02406	0.012	0.009163	0.007945
0.007593	0.006122			
0.935483870967742	0.02346	0.01111	0.009091	0.00681
0.006144	0.004612			
0.967741935483871	0.01932	0.006368	0.00434	0.003778
0.003206	0.002131			
0.1	0.065266	0.02253	0.014278	0.012658
0.0100391				0.011918

averages: 0.0079943

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-grd-9ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.08	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		

Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

16.2. Pore Water

stored as esfen-agdrift-fruit-grd-9apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007
 at 12:42:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0007463 0.0006032	0.0007459	0.0007428	0.0007335	0.0007252
1962	0.001771 0.001445	0.00177	0.001763	0.001741	0.001722
1963	0.002341 0.001997	0.00234	0.00233	0.002302	0.002273
1964	0.002452 0.002113	0.00245	0.002441	0.002414	0.002391
1965	0.002976 0.002497	0.002975	0.002961	0.002923	0.002885
1966	0.002884 0.002458	0.002882	0.002869	0.002833	0.002801
1967	0.003042 0.002597	0.003041	0.003025	0.002966	0.002924
1968	0.002893 0.002489	0.002892	0.002879	0.002847	0.00282
1969	0.004628 0.003872	0.004625	0.0046	0.004541	0.004523
1970	0.004461 0.003802	0.004458	0.004439	0.004385	0.004332
1971	0.003893 0.00345	0.003891	0.00387	0.003831	0.003829
1972	0.003611 0.003093	0.003609	0.003589	0.003545	0.003511
1973	0.003421 0.00292	0.00342	0.003407	0.003377	0.003346
1974	0.003156 0.002697	0.003155	0.003142	0.003106	0.003077
1975	0.002922 0.002526	0.002921	0.00291	0.002881	0.002856
1976	0.00329 0.002832	0.003289	0.003276	0.003242	0.003214
1977	0.003192 0.002729	0.003191	0.003178	0.003142	0.00311

1978	0.003519 0.003008	0.003517	0.0035	0.003475	0.003454
1979	0.003274 0.00278	0.003272	0.003256	0.003217	0.003184
1980	0.003561 0.002994	0.00356	0.003544	0.003505	0.003471
1981	0.00329 0.002807	0.003289	0.003274	0.003243	0.003214
1982	0.003169 0.002755	0.003167	0.003151	0.003117	0.00309
1983	0.003762 0.003258	0.003758	0.003729	0.003689	0.00369
1984	0.003438 0.002905	0.003436	0.003418	0.003377	0.003345
1985	0.003047 0.002576	0.003046	0.003033	0.002998	0.002965
1986	0.003305 0.002752	0.003303	0.003285	0.003236	0.003197
1987	0.003101 0.002661	0.003099	0.003091	0.003064	0.003032
1988	0.002939 0.002557	0.002937	0.002919	0.002874	0.002873
1989	0.003071 0.002622	0.003069	0.003049	0.002998	0.00297
1990	0.003079 0.002718	0.003076	0.003043	0.002964	0.002939

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.004523	0.004628	0.004625	0.0046	0.004541
0.0645161290322581	0.004332	0.004461	0.004458	0.004439	0.004385
0.0967741935483871	0.003829	0.003893	0.003891	0.00387	0.003831
0.129032258064516	0.00369	0.003762	0.003758	0.003729	0.003689
0.161290322580645	0.003511	0.003611	0.003609	0.003589	0.003545
0.193548387096774	0.003471	0.003561	0.00356	0.003544	0.003505
0.225806451612903	0.003454	0.003519	0.003517	0.0035	0.003475
0.258064516129032	0.003346	0.003438	0.003436	0.003418	0.003377
0.290322580645161	0.003345	0.003421	0.00342	0.003407	0.003377
0.32258064516129	0.003214	0.003305	0.003303	0.003285	0.003243
0.354838709677419	0.003214	0.00329	0.003289	0.003276	0.003242
0.387096774193548	0.003197	0.00329	0.003289	0.003274	0.003236
0.419354838709677	0.003184	0.003274	0.003272	0.003256	0.003217

0.451612903225806	0.003192	0.003191	0.003178	0.003142
0.00311	0.002752			
0.483870967741936	0.003169	0.003167	0.003151	0.003117
0.00309	0.002729			
0.516129032258065	0.003156	0.003155	0.003142	0.003106
0.003077	0.002718			
0.548387096774194	0.003101	0.003099	0.003091	0.003064
0.003032	0.002697			
0.580645161290323	0.003079	0.003076	0.003049	0.002998
0.00297	0.002661			
0.612903225806452	0.003071	0.003069	0.003043	0.002998
0.002965	0.002622			
0.645161290322581	0.003047	0.003046	0.003033	0.002966
0.002939	0.002597			
0.67741935483871	0.003042	0.003041	0.003025	0.002964
0.002924	0.002576			
0.709677419354839	0.002976	0.002975	0.002961	0.002923
0.002885	0.002557			
0.741935483870968	0.002939	0.002937	0.002919	0.002881
0.002873	0.002526			
0.774193548387097	0.002922	0.002921	0.00291	0.002874
0.002856	0.002497			
0.806451612903226	0.002893	0.002892	0.002879	0.002847
0.00282	0.002489			
0.838709677419355	0.002884	0.002882	0.002869	0.002833
0.002801	0.002458			
0.870967741935484	0.002452	0.00245	0.002441	0.002414
0.002391	0.002113			
0.903225806451613	0.002341	0.00234	0.00233	0.002302
0.002273	0.001997			
0.935483870967742	0.001771	0.00177	0.001763	0.001741
0.001722	0.001445			
0.967741935483871	0.0007463	0.0007459	0.0007428	0.0007335
0.0007252	0.0006032			
0.1	0.0038799	0.0038777	0.0038559	0.0038168
	0.0034308			0.0038151

Average of yearly

averages: 0.0026837733333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-grd-9ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life

Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH	7 0	days		Half-life
Method:	CAM 1	integer		See PRZM manual
Incorporation Depth:	DEPI 4	cm		
Application Rate:	TAPP 0.08	kg/ha		
Application Efficiency:	APPEFF 0.99	fraction		
Spray Drift	DRFT 0.007	fraction of	application rate applied to pond	
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval 7	days	Set to 0 or delete line for single app.	
app. rate 1	apprate	kg/ha		
Interval 2	interval 7	days	Set to 0 or delete line for single app.	
app. rate 2	apprate	kg/ha		
Interval 3	interval 7	days	Set to 0 or delete line for single app.	
app. rate 3	apprate	kg/ha		
Interval 4	interval 7	days	Set to 0 or delete line for single app.	
app. rate 4	apprate	kg/ha		
Interval 5	interval 7	days	Set to 0 or delete line for single app.	
app. rate 5	apprate	kg/ha		
Interval 6	interval 7	days	Set to 0 or delete line for single app.	
app. rate 6	apprate	kg/ha		
Interval 7	interval 7	days	Set to 0 or delete line for single app.	
app. rate 7	apprate	kg/ha		
Interval 8	interval 7	days	Set to 0 or delete line for single app.	
app. rate 8	apprate	kg/ha		
Record 17:	FILTRA			
	IPSCND 1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC 0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

17. CAfruit_WirrigSTD: Apple, Apricot, Cherry, Peach, Pear, Plum, Prune, Nectarine.
January 1, 9 Applications with 2 Start Dates, Aerial.

17.1. Water Column

stored as esfen-agdrift-fruit-air-9ap-2st.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt
 at 12:42:32

modified Tuesday, 29 May 2007

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30
 Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24
 Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.1721 0.01679	0.05547	0.03732	0.02428	0.02083	
1962	0.1854 0.02961	0.06878	0.05068	0.03909	0.03485	
1963	0.1945 0.03835	0.07778	0.05975	0.04867	0.04443	
1964	0.2002 0.0439	0.08355	0.06558	0.05534	0.051	
1965	0.2049 0.04845	0.08816	0.0702	0.05967	0.05595	
1966	0.2069 0.0506	0.09018	0.07231	0.06375	0.05931	
1967	0.2096 0.05235	0.09284	0.07494	0.06501	0.06066	
1968	0.2091 0.05261	0.09235	0.0745	0.06596	0.06145	
1969	0.215 0.05821	0.104	0.08131	0.07226	0.06757	
1970	0.2148	0.09814	0.08029	0.07232	0.06784	0.058
1971	0.2146 0.0575	0.09782	0.07998	0.07085	0.06637	
1972	0.2143 0.05679	0.09752	0.07932	0.07105	0.06649	
1973	0.2131 0.05655	0.09652	0.07897	0.07058	0.0661	
1974	0.2128 0.05587	0.0962	0.07812	0.06992	0.0654	
1975	0.2124 0.05578	0.09567	0.07782	0.06893	0.06447	
1976	0.2202 0.05795	0.09998	0.08101	0.07125	0.06674	
1977	0.2149 0.05747	0.09826	0.08013	0.0719	0.06738	
1978	0.214 0.05708	0.09727	0.08006	0.07111	0.06678	
1979	0.2129 0.05543	0.09616	0.07802	0.06987	0.06533	
1980	0.2125 0.05551	0.09578	0.0779	0.06932	0.0649	
1981	0.2215 0.05428	0.09614	0.0774	0.06876	0.06424	
1982	0.2111 0.05446	0.09437	0.07647	0.06735	0.06303	
1983	0.2382 0.05655	0.09962	0.08115	0.07067	0.0661	
1984	0.2119 0.05417	0.0953	0.0772	0.06897	0.06443	
1985	0.2096 0.05245	0.09305	0.07485	0.06659	0.06212	

1986	0.2093 0.05265	0.09253	0.07474	0.06651	0.06222
1987	0.2091 0.05248	0.0925	0.07435	0.06622	0.06175
1988	0.2096 0.05254	0.09286	0.07499	0.06602	0.06153
1989	0.2094 0.05277	0.09266	0.07484	0.06599	0.06186
1990	0.2104 0.05335	0.09362	0.07611	0.06698	0.06244

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.06784	0.2382 0.05821	0.104	0.08131	0.07232
0.0645161290322581	0.06757	0.2215 0.058	0.09998	0.08115	0.07226
0.0967741935483871	0.06738	0.2202 0.05795	0.09962	0.08101	0.0719
0.129032258064516	0.06678	0.215 0.0575	0.09826	0.08029	0.07125
0.161290322580645	0.06674	0.2149 0.05747	0.09814	0.08013	0.07111
0.193548387096774	0.06649	0.2148 0.05708	0.09782	0.08006	0.07105
0.225806451612903	0.06637	0.2146 0.05679	0.09752	0.07998	0.07085
0.258064516129032	0.0661	0.2143 0.05655	0.09727	0.07932	0.07067
0.290322580645161	0.0661	0.214 0.05655	0.09652	0.07897	0.07058
0.32258064516129	0.0654	0.2131 0.05587	0.0962	0.07812	0.06992
0.354838709677419	0.06533	0.2129 0.05578	0.09616	0.07802	0.06987
0.387096774193548	0.0649	0.2128 0.05551	0.09614	0.0779	0.06932
0.419354838709677	0.06447	0.2125 0.05543	0.09578	0.07782	0.06897
0.451612903225806	0.06443	0.2124 0.05446	0.09567	0.0774	0.06893
0.483870967741936	0.06424	0.2119 0.05428	0.0953	0.0772	0.06876
0.516129032258065	0.06303	0.2111 0.05417	0.09437	0.07647	0.06735
0.548387096774194	0.06244	0.2104 0.05335	0.09362	0.07611	0.06698
0.580645161290323	0.06222	0.2096 0.05277	0.09305	0.07499	0.06659
0.612903225806452	0.06212	0.2096 0.05265	0.09286	0.07494	0.06651
0.645161290322581	0.06186	0.2096 0.05261	0.09284	0.07485	0.06622
0.67741935483871	0.06175	0.2094 0.05254	0.09266	0.07484	0.06602

0.709677419354839	0.2093	0.09253	0.07474	0.06599	
0.06153	0.05248				
0.741935483870968	0.2091	0.0925	0.0745	0.06596	
0.06145	0.05245				
0.774193548387097	0.2091	0.09235	0.07435	0.06501	
0.06066	0.05235				
0.806451612903226	0.2069	0.09018	0.07231	0.06375	
0.05931	0.0506				
0.838709677419355	0.2049	0.08816	0.0702	0.05967	
0.05595	0.04845				
0.870967741935484	0.2002	0.08355	0.06558	0.05534	0.051
0.0439					
0.903225806451613	0.1945	0.07778	0.05975	0.04867	
0.04443	0.03835				
0.935483870967742	0.1854	0.06878	0.05068	0.03909	
0.03485	0.02961				
0.967741935483871	0.1721	0.05547	0.03732	0.02428	
0.02083	0.01679				
0.1	0.21968	0.099484	0.080938	0.071835	0.06732
0.057905					

Average of yearly

averages: 0.0516833333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-air-9ap-2st

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.08	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	

Interval 2	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	115	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

17.2. Pore Water

stored as esfen-agdrift-fruit-air-9ap-2stben.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:32

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.00606 0.004635	0.006053	0.005985	0.005794	0.005657	
1962	0.01083 0.009197	0.01081	0.01071	0.0104	0.01018	
1963	0.01408 0.01236	0.01406	0.01393	0.01359	0.01334	
1964	0.01615 0.01441	0.01614	0.01598	0.01558	0.01528	
1965	0.01781	0.0178	0.01764	0.01722	0.01691	0.016
1966	0.01854 0.01681	0.01853	0.01846	0.01826	0.01808	
1967	0.0195 0.01742	0.01948	0.01929	0.01882	0.01861	

1968	0.01932	0.01931	0.01923	0.019	0.01882
	0.01754				
1969	0.02144	0.02142	0.02122	0.02087	0.02076
	0.01935				
1970	0.0214	0.02139	0.02131	0.02117	0.02101
	0.01944				
1971	0.02129	0.02127	0.02106	0.02078	0.02062
	0.01929				
1972	0.02116	0.02115	0.02106	0.02081	0.0206
	0.01905				
1973	0.02092	0.02092	0.02084	0.02065	0.02048
	0.01895				
1974	0.02071	0.0207	0.02063	0.0204	0.02022
	0.01871				
1975	0.02052	0.0205	0.02031	0.0201	0.01995
	0.01869				
1976	0.02118	0.02116	0.02107	0.02086	0.02068
	0.01939				
1977	0.02145	0.02144	0.02135	0.02112	0.02093
	0.01929				
1978	0.02109	0.02107	0.02096	0.02078	0.02061
	0.01908				
1979	0.02069	0.02068	0.02061	0.02038	0.02019
	0.01856				
1980	0.02056	0.02054	0.02034	0.02012	0.01995
	0.01853				
1981	0.02029	0.02028	0.0202	0.01998	0.0198
	0.01813				
1982	0.02005	0.02003	0.01985	0.01952	0.01939
	0.01817				
1983	0.02091	0.02089	0.0207	0.02052	0.02035
	0.01887				
1984	0.02039	0.02038	0.0203	0.02006	0.01987
	0.01811				
1985	0.01955	0.01954	0.01946	0.01925	0.01907
	0.01749				
1986	0.01941	0.0194	0.01932	0.01915	0.01898
	0.01749				
1987	0.01938	0.01937	0.0193	0.01909	0.0189
	0.01749				
1988	0.01951	0.01949	0.01929	0.01903	0.01887
	0.01751				
1989	0.01944	0.01941	0.01926	0.0191	0.01894
	0.01758				
1990	0.01978	0.01976	0.01955	0.01933	0.01914
	0.01777				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02145	0.02144	0.02135	0.02117	
	0.02101	0.01944			
0.0645161290322581	0.02144	0.02142	0.02131	0.02112	
	0.02093	0.01939			
0.0967741935483871	0.0214	0.02139	0.02122	0.02087	
	0.02076	0.01935			

0.129032258064516	0.02129	0.02127	0.02107	0.02086
0.02068	0.01929			
0.161290322580645	0.02118	0.02116	0.02106	0.02081
0.02062	0.01929			
0.193548387096774	0.02116	0.02115	0.02106	0.02078
0.02061	0.01908			
0.225806451612903	0.02109	0.02107	0.02096	0.02078
0.0206	0.01905			
0.258064516129032	0.02092	0.02092	0.02084	0.02065
0.02048	0.01895			
0.290322580645161	0.02091	0.02089	0.0207	0.02052
0.02035	0.01887			
0.32258064516129	0.02071	0.0207	0.02063	0.0204
0.02022	0.01871			
0.354838709677419	0.02069	0.02068	0.02061	0.02038
0.02019	0.01869			
0.387096774193548	0.02056	0.02054	0.02034	0.02012
0.01995	0.01856			
0.419354838709677	0.02052	0.0205	0.02031	0.0201
0.01995	0.01853			
0.451612903225806	0.02039	0.02038	0.0203	0.02006
0.01987	0.01817			
0.483870967741936	0.02029	0.02028	0.0202	0.01998
0.0198	0.01813			
0.516129032258065	0.02005	0.02003	0.01985	0.01952
0.01939	0.01811			
0.548387096774194	0.01978	0.01976	0.01955	0.01933
0.01914	0.01777			
0.580645161290323	0.01955	0.01954	0.01946	0.01925
0.01907	0.01758			
0.612903225806452	0.01951	0.01949	0.01932	0.01915
0.01898	0.01754			
0.645161290322581	0.0195	0.01948	0.0193	0.0191
0.01894	0.01751			
0.67741935483871	0.01944	0.01941	0.01929	0.01909
0.0189	0.01749			
0.709677419354839	0.01941	0.0194	0.01929	0.01903
0.01887	0.01749			
0.741935483870968	0.01938	0.01937	0.01926	0.019
0.01882	0.01749			
0.774193548387097	0.01932	0.01931	0.01923	0.01882
0.01861	0.01742			
0.806451612903226	0.01854	0.01853	0.01846	0.01826
0.01808	0.01681			
0.838709677419355	0.01781	0.0178	0.01764	0.01722
0.01691	0.016			
0.870967741935484	0.01615	0.01614	0.01598	0.01558
0.01528	0.01441			
0.903225806451613	0.01408	0.01406	0.01393	0.01359
0.01334	0.01236			
0.935483870967742	0.01083	0.01081	0.01071	0.0104
0.01018	0.009197			
0.967741935483871	0.00606	0.006053	0.005985	0.005794
0.005657	0.004635			
0.1	0.021389	0.021378	0.021205	0.020869
0.019344				0.020752

Average of yearly

averages: 0.0171770666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-air-9ap-2st

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.08	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date	Date	01-01	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	115	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		

Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

**18. CAfruit_WirrigSTD: Apple, Apricot, Cherry, Peach, Pear, Plum, Prune, Nectarine.
 March 1, 7 Applications, Aerial.**

18.1. Water Column

stored as esfen-agdrift-fruit-air-7ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007
 at 12:42:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.2265 0.01122	0.06628	0.03272	0.02069	0.01702	
1962	0.2364 0.0227	0.07608	0.04334	0.03356	0.02972	
1963	0.2436	0.0833	0.05265	0.04275	0.03881	0.031
1964	0.2485 0.0365	0.08805	0.05866	0.04883	0.04483	
1965	0.2521 0.04079	0.09178	0.06403	0.05397	0.04976	
1966	0.2534 0.04303	0.0931	0.06641	0.05649	0.05227	
1967	0.2552 0.04513	0.09486	0.06836	0.05898	0.0549	
1968	0.2557 0.04552	0.09746	0.06901	0.0591	0.05492	
1969	0.2589 0.04905	0.0986	0.07242	0.06306	0.05882	
1970	0.2586 0.04911	0.09829	0.07313	0.06344	0.05916	
1971	0.2591 0.04922	0.09883	0.07261	0.06306	0.05894	
1972	0.2584 0.04888	0.09815	0.07287	0.06298	0.05871	
1973	0.2584 0.04873	0.09812	0.07291	0.06298	0.05872	
1974	0.2578 0.04827	0.09746	0.0723	0.06242	0.0582	
1975	0.2584 0.04827	0.09814	0.07175	0.06191	0.05778	
1976	0.2599 0.04955	0.09965	0.07297	0.06311	0.05892	

1977	0.2585 0.04934	0.09825	0.07365	0.06369	0.05944
1978	0.258 0.04878	0.09777	0.07292	0.06324	0.05895
1979	0.2568 0.04759	0.09648	0.07188	0.06197	0.0577
1980	0.2569 0.04731	0.09662	0.07117	0.06132	0.05711
1981	0.2558 0.04647	0.09554	0.07085	0.06093	0.05668
1982	0.2574 0.04691	0.09686	0.07072	0.06057	0.05637
1983	0.2577 0.04843	0.09743	0.07225	0.06236	0.05844
1984	0.2555 0.04661	0.09524	0.07119	0.0613	0.05701
1985	0.2549 0.04532	0.09461	0.0696	0.05964	0.05537
1986	0.2548 0.04526	0.09452	0.06962	0.05952	0.05521
1987	0.2552 0.04541	0.0949	0.06936	0.05937	0.05511
1988	0.2552 0.04558	0.09494	0.0691	0.05956	0.05539
1989	0.2557 0.04582	0.09544	0.07031	0.05999	0.0557
1990	0.2562 0.04649	0.09589	0.06995	0.06007	0.05615

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.05944	0.2599 0.04955	0.09965	0.07365	0.06369
0.0645161290322581	0.05916	0.2591 0.04934	0.09883	0.07313	0.06344
0.0967741935483871	0.05895	0.2589 0.04922	0.0986	0.07297	0.06324
0.129032258064516	0.05894	0.2586 0.04911	0.09829	0.07292	0.06311
0.161290322580645	0.05892	0.2585 0.04905	0.09825	0.07291	0.06306
0.193548387096774	0.05882	0.2584 0.04888	0.09815	0.07287	0.06306
0.225806451612903	0.05872	0.2584 0.04878	0.09814	0.07261	0.06298
0.258064516129032	0.05871	0.2584 0.04873	0.09812	0.07242	0.06298
0.290322580645161	0.05844	0.258 0.04843	0.09777	0.0723	0.06242
0.32258064516129	0.0582	0.2578 0.04827	0.09746	0.07225	0.06236
0.354838709677419	0.05778	0.2577 0.04827	0.09746	0.07188	0.06197
0.387096774193548	0.0577	0.2574 0.04759	0.09743	0.07175	0.06191

0.419354838709677	0.2569	0.09686	0.07119	0.06132
0.05711	0.04731			
0.451612903225806	0.2568	0.09662	0.07117	0.0613
0.05701	0.04691			
0.483870967741936	0.2562	0.09648	0.07085	0.06093
0.05668	0.04661			
0.516129032258065	0.2558	0.09589	0.07072	0.06057
0.05637	0.04649			
0.548387096774194	0.2557	0.09554	0.07031	0.06007
0.05615	0.04647			
0.580645161290323	0.2557	0.09544	0.06995	0.05999
0.0557	0.04582			
0.612903225806452	0.2555	0.09524	0.06962	0.05964
0.05539	0.04558			
0.645161290322581	0.2552	0.09494	0.0696	0.05956
0.05537	0.04552			
0.67741935483871	0.2552	0.0949	0.06936	0.05952
0.05521	0.04541			
0.709677419354839	0.2552	0.09486	0.0691	0.05937
0.05511	0.04532			
0.741935483870968	0.2549	0.09461	0.06901	0.0591
0.05492	0.04526			
0.774193548387097	0.2548	0.09452	0.06836	0.05898
0.0549	0.04513			
0.806451612903226	0.2534	0.0931	0.06641	0.05649
0.05227	0.04303			
0.838709677419355	0.2521	0.09178	0.06403	0.05397
0.04976	0.04079			
0.870967741935484	0.2485	0.08805	0.05866	0.04883
0.04483	0.0365			
0.903225806451613	0.2436	0.0833	0.05265	0.04275
0.03881	0.031			
0.935483870967742	0.2364	0.07608	0.04334	0.03356
0.02972	0.0227			
0.967741935483871	0.2265	0.06628	0.03272	0.02069
0.01702	0.01122			
0.1	0.25887	0.098569	0.072965	0.063227
	0.049209			0.058949

Average of yearly

averages: 0.0440763333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-air-7ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	

Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.08	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	210	days	Set to 0 or delete line for single app.	
app. rate 5 apprate	0.11	kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate	0.11	kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

18.2. Pore Water

stored as esfen-agdrift-fruit-air-7apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:32

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				

1961	0.004734 0.002822	0.004733	0.004716	0.004694	0.004138
1962	0.00826 0.006944	0.008256	0.00822	0.008137	0.007929
1963	0.01146 0.009921	0.01146	0.01143	0.01128	0.01112
1964	0.01374 0.01193	0.01373	0.01366	0.01345	0.01328
1965	0.01545 0.01345	0.01544	0.01536	0.01512	0.01492
1966	0.01651 0.01427	0.0165	0.01639	0.0161	0.01585
1967	0.01719 0.01501	0.01719	0.01711	0.01699	0.01678
1968	0.01744 0.01518	0.01742	0.01733	0.01705	0.01682
1969	0.01877 0.01634	0.01876	0.01868	0.01841	0.01817
1970	0.01893 0.01644	0.01891	0.01882	0.01854	0.01829
1971	0.01874 0.0165	0.01873	0.01865	0.01845	0.01825
1972	0.01882 0.01639	0.0188	0.0187	0.01841	0.01815
1973	0.01885 0.01633	0.01883	0.01873	0.01843	0.01816
1974	0.01862 0.01617	0.01861	0.01851	0.01823	0.01798
1975	0.01844 0.01618	0.01843	0.01835	0.0181	0.01786
1976	0.01888 0.0166	0.01887	0.01877	0.0185	0.01825
1977	0.01912 0.01655	0.01911	0.01897	0.01867	0.01843
1978	0.01877 0.01632	0.01876	0.0187	0.01843	0.01818
1979	0.01847 0.01593	0.01846	0.01835	0.01805	0.01779
1980	0.01822 0.0158	0.01821	0.01811	0.01782	0.01759
1981	0.0181 0.01552	0.01808	0.01797	0.01768	0.01742
1982	0.01793 0.01564	0.01792	0.01782	0.01755	0.01732
1983	0.01856 0.01617	0.01855	0.01846	0.01824	0.01801
1984	0.01822 0.01558	0.01821	0.0181	0.0178	0.01753
1985	0.01766 0.01511	0.01765	0.01752	0.01721	0.01695
1986	0.01751 0.01504	0.0175	0.0174	0.01711	0.01686
1987	0.01755 0.01514	0.01754	0.01741	0.0171	0.01684
1988	0.01747 0.01519	0.01746	0.01739	0.01717	0.01696

1989	0.01771 0.01527	0.0177	0.01757	0.01726	0.01701
1990	0.01778 0.01549	0.01777	0.01764	0.01736	0.01718

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01843	0.01912	0.01911	0.01897	0.01867
0.0645161290322581	0.01829	0.01893	0.01891	0.01882	0.01854
0.0967741935483871	0.01825	0.01888	0.01887	0.01877	0.0185
0.129032258064516	0.01825	0.01885	0.01883	0.01873	0.01845
0.161290322580645	0.01818	0.01882	0.0188	0.0187	0.01843
0.193548387096774	0.01817	0.01877	0.01876	0.0187	0.01843
0.225806451612903	0.01816	0.01877	0.01876	0.01868	0.01841
0.258064516129032	0.01815	0.01874	0.01873	0.01865	0.01841
0.290322580645161	0.01801	0.01862	0.01861	0.01851	0.01824
0.32258064516129	0.01798	0.01856	0.01855	0.01846	0.01823
0.354838709677419	0.01786	0.01847	0.01846	0.01835	0.0181
0.387096774193548	0.01779	0.01844	0.01843	0.01835	0.01805
0.419354838709677	0.01759	0.01822	0.01821	0.01811	0.01782
0.451612903225806	0.01753	0.01822	0.01821	0.0181	0.0178
0.483870967741936	0.01742	0.0181	0.01808	0.01797	0.01768
0.516129032258065	0.01732	0.01793	0.01792	0.01782	0.01755
0.548387096774194	0.01718	0.01778	0.01777	0.01764	0.01736
0.580645161290323	0.01701	0.01771	0.0177	0.01757	0.01726
0.612903225806452	0.01696	0.01766	0.01765	0.01752	0.01721
0.645161290322581	0.01695	0.01755	0.01754	0.01741	0.01717
0.67741935483871	0.01686	0.01751	0.0175	0.0174	0.01711
0.709677419354839	0.01684	0.01747	0.01746	0.01739	0.0171
0.741935483870968	0.01682	0.01744	0.01742	0.01733	0.01705
0.774193548387097	0.01678	0.01719	0.01719	0.01711	0.01699

0.806451612903226	0.01651	0.0165	0.01639	0.0161
0.01585	0.01427			
0.838709677419355	0.01545	0.01544	0.01536	0.01512
0.01492	0.01345			
0.870967741935484	0.01374	0.01373	0.01366	0.01345
0.01328	0.01193			
0.903225806451613	0.01146	0.01146	0.01143	0.01128
0.01112	0.009921			
0.935483870967742	0.00826	0.008256	0.00822	0.008137
0.007929	0.006944			
0.967741935483871	0.004734	0.004733	0.004716	0.004694
0.004138	0.002822			
0.1	0.018877	0.018866	0.018766	0.018495
	0.016494			0.01825
				Average of yearly
averages:	0.0146409			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-air-7ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7		0	days		Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4		cm	
Application Rate:	TAPP	0.08		kg/ha	
Application Efficiency:	APPEFF	0.95		fraction	
Spray Drift	DRFT	0.063		fraction of	application rate applied to pond
Application Date	Date		01-03		dd/mm or dd/mm/ or dd-mm or dd-mm/
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		

Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	210	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate	0.11	kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate	0.11	kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

19. CAfruit_WirrigSTD: Apple, Apricot, Cherry, Peach, Pear, Plum, Prune, Nectarine.

March 1, 7 Applications, Ground.

19.1. Water Column

stored as esfen-agdrift-fruit-grd-7ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:42:32

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0252 0.001287	0.007393	0.003664	0.002374	0.001939
1962	0.0267 0.003031	0.008896	0.005366	0.004279	0.003863
1963	0.02787 0.004348	0.0111	0.00707	0.00586	0.005388
1964	0.02852 0.00482	0.01056	0.007313	0.006218	0.005765
1965	0.03448 0.00571	0.01565	0.00969	0.007667	0.007078
1966	0.02895 0.005777	0.01114	0.008412	0.007305	0.006821
1967	0.02969 0.006484	0.01275	0.009023	0.008308	0.00784
1968	0.02941 0.006252	0.01351	0.008944	0.007822	0.007341
1969	0.04429 0.008573	0.0165	0.01173	0.01086	0.01024
1970	0.03547 0.008199	0.01497	0.01128	0.01022	0.009651
1971	0.03086 0.007813	0.01304	0.01038	0.009607	0.009142

1972	0.03023	0.01242	0.01008	0.008971	0.008471
	0.007262				
1973	0.03004	0.01223	0.009893	0.008763	0.008264
	0.006988				
1974	0.02976	0.01198	0.009437	0.008332	0.007845
	0.006632				
1975	0.02954	0.01171	0.009004	0.007908	0.007438
	0.006291				
1976	0.03007	0.01226	0.009318	0.008217	0.007781
	0.006698				
1977	0.0296	0.01179	0.009316	0.008203	0.007717
	0.006532				
1978	0.03008	0.01303	0.009921	0.009	0.008456
	0.007036				
1979	0.02957	0.01176	0.009364	0.008256	0.007764
	0.006525				
1980	0.02973	0.01192	0.009459	0.008477	0.007974
	0.006656				
1981	0.02943	0.01162	0.009117	0.008006	0.007516
	0.006317				
1982	0.03018	0.01316	0.009718	0.00823	0.007715
	0.006567				
1983	0.03064	0.01285	0.01044	0.009333	0.009095
	0.007706				
1984	0.02984	0.01203	0.009826	0.008721	0.008227
	0.00692				
1985	0.0294	0.01159	0.009168	0.008055	0.007561
	0.006325				
1986	0.03184	0.01293	0.009828	0.008391	0.007838
	0.006522				
1987	0.02964	0.01184	0.009451	0.008298	0.007824
	0.006572				
1988	0.02956	0.01175	0.008886	0.008146	0.007674
	0.006423				
1989	0.02974	0.01358	0.009968	0.008454	0.007942
	0.006565				
1990	0.03448	0.01405	0.009219	0.008171	0.007972
	0.006904				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01024	0.04429	0.0165	0.01173	0.01086
0.0645161290322581	0.009651	0.008573	0.01565	0.01128	0.01022
0.0967741935483871	0.009142	0.03547	0.01497	0.01044	0.009607
0.129032258064516	0.009095	0.008199	0.01405	0.01038	0.009333
0.161290322580645	0.008471	0.03448	0.01358	0.01008	0.009
0.193548387096774	0.008456	0.007706	0.01351	0.009968	0.008971
0.225806451612903	0.008264	0.03086	0.01316	0.009921	0.008763
		0.007036			
		0.03064			
		0.006988			

0.258064516129032	0.03023	0.01304	0.009893	0.008721
0.008227	0.00692			
0.290322580645161	0.03018	0.01303	0.009828	0.008477
0.007974	0.006904			
0.32258064516129	0.03008	0.01293	0.009826	0.008454
0.007972	0.006698			
0.354838709677419	0.03007	0.01285	0.009718	0.008391
0.007942	0.006656			
0.387096774193548	0.03004	0.01275	0.00969	0.008332
0.007845	0.006632			
0.419354838709677	0.02984	0.01242	0.009459	0.008308
0.00784	0.006572			
0.451612903225806	0.02976	0.01226	0.009451	0.008298
0.007838	0.006567			
0.483870967741936	0.02974	0.01223	0.009437	0.008256
0.007824	0.006565			
0.516129032258065	0.02973	0.01203	0.009364	0.00823
0.007781	0.006532			
0.548387096774194	0.02969	0.01198	0.009318	0.008217
0.007764	0.006525			
0.580645161290323	0.02964	0.01192	0.009316	0.008203
0.007717	0.006522			
0.612903225806452	0.0296	0.01184	0.009219	0.008171
0.007715	0.006484			
0.645161290322581	0.02957	0.01179	0.009168	0.008146
0.007674	0.006423			
0.67741935483871	0.02956	0.01176	0.009117	0.008055
0.007561	0.006325			
0.709677419354839	0.02954	0.01175	0.009023	0.008006
0.007516	0.006317			
0.741935483870968	0.02943	0.01171	0.009004	0.007908
0.007438	0.006291			
0.774193548387097	0.02941	0.01162	0.008944	0.007822
0.007341	0.006252			
0.806451612903226	0.0294	0.01159	0.008886	0.007667
0.007078	0.005777			
0.838709677419355	0.02895	0.01114	0.008412	0.007305
0.006821	0.00571			
0.870967741935484	0.02852	0.0111	0.007313	0.006218
0.005765	0.00482			
0.903225806451613	0.02787	0.01056	0.00707	0.00586
0.005388	0.004348			
0.935483870967742	0.0267	0.008896	0.005366	0.004279
0.003863	0.003031			
0.967741935483871	0.0252	0.007393	0.003664	0.002374
0.001939	0.001287			

0.1	0.03448	0.014878	0.010434	0.0095796	0.0091373
	0.0078023				

Average of yearly

averages: 0.0063245

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-grd-7ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt
EXAMS environment file: pond298.exv
Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.08	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift	DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date		01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		
Interval 4	interval	7	days		Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha		
Interval 5	interval	210	days		Set to 0 or delete line for single app.
app. rate 5	apprate	0.11	kg/ha		
Interval 6	interval	7	days		Set to 0 or delete line for single app.
app. rate 6	apprate	0.11	kg/ha		
Record 17:	FILTRA				
	IPSCND	1			
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none		none, monthly or
total(average of entire run)					

19.2. Pore Water

stored as esfen-agdrift-fruit-grd-7apben.out
Chemical: esfenAgDRIFT

PRZM environment: CAfruit_WirrigSTD.txt
at 12:42:32

modified Tuesday, 29 May 2007

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0005697 0.0003221	0.0005696	0.0005679	0.000551	0.0004829
1962	0.001114 0.0009351	0.001113	0.001106	0.001088	0.001072
1963	0.001641 0.001398	0.001641	0.001634	0.001612	0.001591
1964	0.001812 0.001594	0.001811	0.001802	0.001775	0.001753
1965	0.002199 0.001889	0.002198	0.002189	0.002158	0.002131
1966	0.002205 0.001927	0.002203	0.002188	0.002151	0.002121
1967	0.002538 0.002168	0.002536	0.002524	0.002475	0.002436
1968	0.002387 0.002104	0.002386	0.002372	0.002337	0.002307
1969	0.003332 0.002837	0.00333	0.003312	0.003254	0.00321
1970	0.003187 0.00278	0.003185	0.003169	0.003127	0.00309
1971	0.003005 0.002659	0.003003	0.002987	0.002943	0.002918
1972	0.0028 0.002468	0.002799	0.002783	0.002743	0.002709
1973	0.002728 0.002372	0.002727	0.002711	0.002671	0.002634
1974	0.002571 0.002246	0.00257	0.002556	0.00252	0.002487
1975	0.002419 0.002131	0.002418	0.002408	0.002376	0.002346
1976	0.002531 0.002243	0.00253	0.002518	0.002483	0.002452
1977	0.00253 0.002207	0.002528	0.002511	0.002472	0.002443
1978	0.002724 0.002354	0.002723	0.00271	0.002678	0.002642
1979	0.002546 0.002212	0.002544	0.002529	0.00249	0.002457
1980	0.002581 0.002233	0.00258	0.002565	0.002527	0.002497
1981	0.002447 0.002128	0.002445	0.00243	0.002397	0.002365
1982	0.002496 0.002183	0.002495	0.002482	0.002442	0.002408
1983	0.002959 0.002578	0.002956	0.002933	0.002888	0.002867
1984	0.002711 0.00235	0.002709	0.002694	0.002653	0.002618

1985	0.002477 0.002139	0.002475	0.002457	0.002416	0.002383
1986	0.002531 0.002161	0.002529	0.002514	0.002475	0.002441
1987	0.002556 0.002225	0.002555	0.002536	0.002495	0.002464
1988	0.002476 0.002157	0.002475	0.002459	0.002419	0.002393
1989	0.002554 0.002203	0.002552	0.002534	0.002495	0.002461
1990	0.002618 0.002308	0.002615	0.002588	0.002515	0.00249

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.00321	0.003332	0.00333	0.003312	0.003254
0.0645161290322581	0.00309	0.003187	0.003185	0.003169	0.003127
0.0967741935483871	0.002918	0.003005	0.003003	0.002987	0.002943
0.129032258064516	0.002867	0.002959	0.002956	0.002933	0.002888
0.161290322580645	0.002709	0.0028	0.002799	0.002783	0.002743
0.193548387096774	0.002642	0.002728	0.002727	0.002711	0.002678
0.225806451612903	0.002634	0.002724	0.002723	0.00271	0.002671
0.258064516129032	0.002618	0.002711	0.002709	0.002694	0.002653
0.290322580645161	0.002497	0.002618	0.002615	0.002588	0.002527
0.32258064516129	0.00249	0.002581	0.00258	0.002565	0.00252
0.354838709677419	0.002487	0.002571	0.00257	0.002556	0.002515
0.387096774193548	0.002464	0.002556	0.002555	0.002536	0.002495
0.419354838709677	0.002461	0.002554	0.002552	0.002534	0.002495
0.451612903225806	0.002457	0.002546	0.002544	0.002529	0.00249
0.483870967741936	0.002452	0.002538	0.002536	0.002524	0.002483
0.516129032258065	0.002443	0.002531	0.00253	0.002518	0.002475
0.548387096774194	0.002441	0.002531	0.002529	0.002514	0.002475
0.580645161290323	0.002436	0.00253	0.002528	0.002511	0.002472
0.612903225806452	0.002408	0.002496	0.002495	0.002482	0.002442
0.645161290322581	0.002393	0.002477	0.002475	0.002459	0.002419

0.67741935483871	0.002476	0.002475	0.002457	0.002416
0.002383	0.002139			
0.709677419354839	0.002447	0.002445	0.00243	0.002397
0.002365	0.002131			
0.741935483870968	0.002419	0.002418	0.002408	0.002376
0.002346	0.002128			
0.774193548387097	0.002387	0.002386	0.002372	0.002337
0.002307	0.002104			
0.806451612903226	0.002205	0.002203	0.002189	0.002158
0.002131	0.001927			
0.838709677419355	0.002199	0.002198	0.002188	0.002151
0.002121	0.001889			
0.870967741935484	0.001812	0.001811	0.001802	0.001775
0.001753	0.001594			
0.903225806451613	0.001641	0.001641	0.001634	0.001612
0.001591	0.001398			
0.935483870967742	0.001114	0.001113	0.001106	0.001088
0.001072	0.0009351			
0.967741935483871	0.0005697	0.0005696	0.0005679	0.000551
0.0004829	0.0003221			
0.1	0.0030004	0.0029983	0.0029816	0.0029375
	0.0026509			0.0029129

Average of yearly

averages: 0.00211704

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-fruit-grd-7ap

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7		0	days		Half-life
Method: CAM		1	integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.08	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift DRFT		0.007	fraction of		application rate applied to
pond					
Application Date	Date		01-03	dd/mm or dd/mm or dd-mm or	
dd-mmm					

Interval 1	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	210	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate	0.11	kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate	0.11	kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

20. CAlettuceSTD: Head Lettuce. March 1, 14 Applications, Ground.

20.1. Water Column

stored as esfen-agdrift-lettuce-grd-14ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAlettuceSTD.txt modified Tuesday, 21 February 2006 at 14:38:22

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23273.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.4482 0.006629	0.139	0.06308	0.03168	0.02183
1962	0.2224 0.03893	0.1256	0.06022	0.04849	0.04596
1963	0.2108 0.04958	0.1004	0.06225	0.05666	0.05455
1964	0.3538 0.05391	0.1723	0.09226	0.07368	0.06554
1965	0.8542 0.07675	0.2863	0.1411	0.109	0.09495
1966	0.445 0.0973	0.2415	0.15	0.1182	0.107
1967	0.396 0.1124	0.199	0.1349	0.1234	0.122

1968	0.2798 0.0998	0.147	0.108	0.106	0.1059	
1969	0.3888 0.1168	0.2335	0.1547	0.1336	0.1319	
1970	0.7782	0.2782	0.1533	0.133	0.1211	0.111
1971	0.4022 0.1229	0.1954	0.1395	0.1292	0.1271	
1972	0.5155 0.1139	0.293	0.1687	0.138	0.1255	
1973	0.4806 0.1365	0.2298	0.1609	0.1503	0.1476	
1974	1.278 0.1513	0.4407	0.2144	0.1693	0.1587	
1975	0.2922 0.1528	0.1978	0.1705	0.1669	0.1656	
1976	0.552 0.1392	0.2457	0.1631	0.1491	0.1458	
1977	0.8563	0.3534	0.1903	0.1616	0.1559	0.146
1978	0.5765 0.1692	0.2701	0.189	0.1817	0.1805	
1979	0.551 0.1554	0.2472	0.181	0.1711	0.1697	
1980	0.5311 0.1522	0.2805	0.1856	0.1729	0.1689	
1981	0.2826 0.1427	0.2006	0.1666	0.1606	0.158	
1982	0.4469	0.2199	0.1603	0.1459	0.1424	0.135
1983	0.4404 0.1478	0.2499	0.1872	0.1676	0.1637	
1984	0.4936 0.1314	0.2434	0.1687	0.1398	0.1392	
1985	0.4067 0.1278	0.2069	0.1509	0.136	0.1356	
1986	0.339 0.1323	0.1988	0.1494	0.1463	0.1436	
1987	0.3705 0.1259	0.1932	0.1444	0.1355	0.1331	
1988	0.4749 0.1273	0.2256	0.1661	0.1346	0.133	
1989	0.1422 0.1201	0.1326	0.132	0.1311	0.1308	
1990	0.1662 0.1002	0.1342	0.1144	0.1109	0.1099	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.1805	1.278 0.1692	0.4407	0.2144	0.1817
0.0645161290322581	0.1697	0.8563 0.1554	0.3534	0.1903	0.1729
0.0967741935483871	0.1689	0.8542 0.1528	0.293	0.189	0.1711
0.129032258064516	0.1656	0.7782 0.1522	0.2863	0.1872	0.1693
0.161290322580645	0.1637	0.5765 0.1513	0.2805	0.1856	0.1676

0.193548387096774	0.552	0.2782	0.181	0.1669	
0.1587	0.1478				
0.225806451612903	0.551	0.2701	0.1705	0.1616	0.158
0.146					
0.258064516129032	0.5311	0.2499	0.1687	0.1606	
0.1559	0.1427				
0.290322580645161	0.5155	0.2472	0.1687	0.1503	
0.1476	0.1392				
0.32258064516129	0.4936	0.2457	0.1666	0.1491	
0.1458	0.1365				
0.354838709677419	0.4806	0.2434	0.1661	0.1463	
0.1436	0.135				
0.387096774193548	0.4749	0.2415	0.1631	0.1459	
0.1424	0.1323				
0.419354838709677	0.4482	0.2335	0.1609	0.1398	
0.1392	0.1314				
0.451612903225806	0.4469	0.2298	0.1603	0.138	
0.1356	0.1278				
0.483870967741936	0.445	0.2256	0.1547	0.136	
0.1331	0.1273				
0.516129032258065	0.4404	0.2199	0.1533	0.1355	0.133
0.1259					
0.548387096774194	0.4067	0.2069	0.1509	0.1346	
0.1319	0.1229				
0.580645161290323	0.4022	0.2006	0.15	0.1336	
0.1308	0.1201				
0.612903225806452	0.396	0.199	0.1494	0.133	
0.1271	0.1168				
0.645161290322581	0.3888	0.1988	0.1444	0.1311	
0.1255	0.1139				
0.67741935483871	0.3705	0.1978	0.1411	0.1292	0.122
0.1124					
0.709677419354839	0.3538	0.1954	0.1395	0.1234	
0.1211	0.111				
0.741935483870968	0.339	0.1932	0.1349	0.1182	
0.1099	0.1002				
0.774193548387097	0.2922	0.1723	0.132	0.1109	0.107
0.0998					
0.806451612903226	0.2826	0.147	0.1144	0.109	
0.1059	0.0973				
0.838709677419355	0.2798	0.139	0.108	0.106	
0.09495	0.07675				
0.870967741935484	0.2224	0.1342	0.09226	0.07368	
0.06554	0.05391				
0.903225806451613	0.2108	0.1326	0.06308	0.05666	
0.05455	0.04958				
0.935483870967742	0.1662	0.1256	0.06225	0.04849	
0.04596	0.03893				
0.967741935483871	0.1422	0.1004	0.06022	0.03168	
0.02183	0.006629				
0.1	0.8466	0.29233	0.18882	0.17092	0.16857
0.15274					

Average of yearly

averages: 0.1164333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-lettuce-grd-14ap

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for single app.
app. rate 7	apprate		kg/ha	
Interval 8	interval	120	days	Set to 0 or delete line for single app.
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for single app.
app. rate 9	apprate		kg/ha	

Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate		kg/ha
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate		kg/ha
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate		kg/ha
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

20.2. Pore Water

stored as esfen-agdrift-lettuce-grd-14apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAlettuceSTD.txt modified Tuesday, 21 February 2006 at 14:38:22

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23273.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.009298 0.001289	0.009294	0.009259	0.005836	0.004147
1962	0.01448 0.01322	0.01447	0.01446	0.01445	0.01441
1963	0.01846 0.01675	0.01846	0.01838	0.01822	0.01807
1964	0.02313 0.01836	0.02312	0.02302	0.02227	0.02049
1965	0.03586 0.02548	0.03538	0.03408	0.0307	0.02851
1966	0.0401 0.03367	0.04008	0.03992	0.0356	0.03533
1967	0.04238 0.03948	0.04237	0.04224	0.04184	0.04169
1968	0.03855 0.03542	0.0385	0.03831	0.03789	0.03767
1969	0.04399 0.04042	0.04397	0.04384	0.04334	0.04297
1970	0.04658 0.03795	0.04656	0.04384	0.03976	0.03945
1971	0.04643 0.04352	0.04637	0.04615	0.04563	0.04529

1972	0.04503 0.0397	0.04501	0.04484	0.04294	0.04161
1973	0.05108 0.04714	0.051	0.05029	0.0501	0.04987
1974	0.05926 0.0522	0.05919	0.05796	0.05445	0.05428
1975	0.05925 0.05465	0.05923	0.059	0.05879	0.05866
1976	0.05133 0.04864	0.0513	0.05104	0.05033	0.04991
1977	0.05662 0.05035	0.05608	0.05456	0.05385	0.05326
1978	0.06247 0.05918	0.06245	0.06226	0.06198	0.06182
1979	0.05936 0.05488	0.05934	0.05924	0.05903	0.05886
1980	0.05813 0.05356	0.05811	0.05793	0.05753	0.05735
1981	0.05472 0.05035	0.05471	0.05464	0.0543	0.0539
1982	0.05054 0.04704	0.05051	0.05032	0.04971	0.04921
1983	0.0553 0.05131	0.05527	0.0551	0.05503	0.05489
1984	0.05113 0.04611	0.05107	0.05082	0.05027	0.0499
1985	0.04938 0.0451	0.04933	0.04912	0.04873	0.04844
1986	0.04996 0.04633	0.04994	0.04978	0.04921	0.04892
1987	0.04727 0.04404	0.04726	0.04713	0.04676	0.04635
1988	0.04789 0.04437	0.04787	0.04712	0.04656	0.04611
1989	0.04779 0.04304	0.04774	0.04755	0.04712	0.04681
1990	0.03909 0.03572	0.03908	0.03895	0.03877	0.03858

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.06182	0.06247	0.06245	0.06226	0.06198
0.0645161290322581	0.05886	0.05936	0.05934	0.05924	0.05903
0.0967741935483871	0.05866	0.05926	0.05923	0.059	0.05879
0.129032258064516	0.05735	0.05925	0.05919	0.05796	0.05753
0.161290322580645	0.05489	0.05813	0.05811	0.05793	0.05503
0.193548387096774	0.05428	0.05662	0.05608	0.0551	0.05445
0.225806451612903	0.0539	0.0553	0.05527	0.05464	0.0543
		0.05035			

0.258064516129032	0.05472	0.05471	0.05456	0.05385
0.05326	0.05035			
0.290322580645161	0.05133	0.0513	0.05104	0.05033
0.04991	0.04864			
0.32258064516129	0.05113	0.05107	0.05082	0.05027
0.0499	0.04714			
0.354838709677419	0.05108	0.051	0.05032	0.0501
0.04987	0.04704			
0.387096774193548	0.05054	0.05051	0.05029	0.04971
0.04921	0.04633			
0.419354838709677	0.04996	0.04994	0.04978	0.04921
0.04892	0.04611			
0.451612903225806	0.04938	0.04933	0.04912	0.04873
0.04844	0.0451			
0.483870967741936	0.04789	0.04787	0.04755	0.04712
0.04681	0.04437			
0.516129032258065	0.04779	0.04774	0.04713	0.04676
0.04635	0.04404			
0.548387096774194	0.04727	0.04726	0.04712	0.04656
0.04611	0.04352			
0.580645161290323	0.04658	0.04656	0.04615	0.04563
0.04529	0.04304			
0.612903225806452	0.04643	0.04637	0.04484	0.04334
0.04297	0.04042			
0.645161290322581	0.04503	0.04501	0.04384	0.04294
0.04169	0.0397			
0.67741935483871	0.04399	0.04397	0.04384	0.04184
0.04161	0.03948			
0.709677419354839	0.04238	0.04237	0.04224	0.03976
0.03945	0.03795			
0.741935483870968	0.0401	0.04008	0.03992	0.03877
0.03858	0.03572			
0.774193548387097	0.03909	0.03908	0.03895	0.03789
0.03767	0.03542			
0.806451612903226	0.03855	0.0385	0.03831	0.0356
0.03533	0.03367			
0.838709677419355	0.03586	0.03538	0.03408	0.0307
0.02851	0.02548			
0.870967741935484	0.02313	0.02312	0.02302	0.02227
0.02049	0.01836			
0.903225806451613	0.01846	0.01846	0.01838	0.01822
0.01807	0.01675			
0.935483870967742	0.01448	0.01447	0.01446	0.01445
0.01441	0.01322			
0.967741935483871	0.009298	0.009294	0.009259	0.005836
0.004147	0.001289			
0.1	0.059259	0.059226	0.058896	0.058664
0.054541				0.058529

Average of yearly

averages: 0.0406423

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-lettuce-grd-14ap

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift	DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date		01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days		Set to 0 or delete line for single app.
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days		Set to 0 or delete line for single app.
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days		Set to 0 or delete line for single app.
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days		Set to 0 or delete line for single app.
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days		Set to 0 or delete line for single app.
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days		Set to 0 or delete line for single app.
app. rate 6 apprate			kg/ha		
Interval 7 interval	7		days		Set to 0 or delete line for single app.
app. rate 7 apprate			kg/ha		
Interval 8 interval	120		days		Set to 0 or delete line for single app.
app. rate 8 apprate			kg/ha		
Interval 9 interval	7		days		Set to 0 or delete line for single app.
app. rate 9 apprate			kg/ha		
Interval 10 interval	7		days		Set to 0 or delete line for single app.
app. rate 10	apprate			kg/ha	
Interval 11 interval	7		days		Set to 0 or delete line for single app.

app. rate 11	apprate		kg/ha
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate		kg/ha
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR		EPA Pond	
Flag for runoff calc. RUNOFF		none	none, monthly or
total(average of entire run)			

21. CAlettuceSTD: Head Lettuce. March 1, 14 Applications, Aerial.

21.1. Water Column

stored as esfen-agdrift-lettuce-air-14ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAlettuceSTD.txt modified Tuesday, 21 February 2006 at 14:38:22

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23273.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.4585 0.02065	0.1537	0.07885	0.04787	0.03833
1962	0.2355 0.06718	0.14	0.08326	0.07729	0.07553
1963	0.2655 0.08887	0.1419	0.1095	0.1022	0.09724
1964	0.3955 0.1022	0.2178	0.1395	0.1208	0.1131
1965	0.8883 0.1315	0.3342	0.1925	0.161	0.1479
1966	0.4999 0.1569	0.2977	0.2065	0.1753	0.1648
1967	0.4496 0.1763	0.2538	0.1975	0.1918	0.1883
1968	0.3425 0.1665	0.2117	0.185	0.1825	0.177
1969	0.5091 0.1853	0.2926	0.2151	0.2045	0.2018
1970	0.8402 0.1814	0.3442	0.2193	0.1999	0.1899
1971	0.4772 0.1959	0.2672	0.2111	0.2078	0.2058
1972	0.5841 0.1888	0.3633	0.2398	0.2088	0.1971
1973	0.547 0.2123	0.298	0.23	0.2272	0.2246

1974	1.327 0.2276	0.5067	0.2847	0.2434	0.2368	
1975	0.3628 0.2297	0.2708	0.2528	0.2508	0.2462	
1976	0.621 0.2165	0.32	0.2487	0.2339	0.2272	
1977	0.9188 0.2228	0.4213	0.2608	0.2371	0.2333	
1978	0.6406 0.2449	0.3577	0.2745	0.2631	0.2588	
1979	0.6138 0.2314	0.3159	0.2556	0.2517	0.2475	
1980	0.5936 0.2282	0.3478	0.2544	0.2475	0.2454	
1981	0.452 0.2189	0.2943	0.2513	0.2439	0.2379	
1982	0.5101 0.2112	0.3172	0.249	0.2303	0.2244	
1983	0.5021 0.2227	0.3161	0.2548	0.2422	0.2428	
1984	0.5554 0.2051	0.3094	0.2359	0.2219	0.2163	
1985	0.4725 0.2014	0.2751	0.2207	0.2182	0.2128	
1986	0.4337	0.2827	0.2361	0.2277	0.2223	0.206
1987	0.4331 0.2006	0.2769	0.2281	0.2206	0.2139	
1988	0.5389 0.2024	0.294	0.2353	0.22	0.2146	
1989	0.3185 0.1959	0.2308	0.2179	0.2155	0.2098	
1990	0.2983 0.1767	0.2106	0.1976	0.1948	0.1895	
Sorted results						
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	1.327	0.5067	0.2847	0.2631		
0.2588	0.2449					
0.0645161290322581	0.9188	0.4213	0.2745	0.2517		
0.2475	0.2314					
0.0967741935483871	0.8883	0.3633	0.2608	0.2508		
0.2462	0.2297					
0.129032258064516	0.8402	0.3577	0.2556	0.2475		
0.2454	0.2282					
0.161290322580645	0.6406	0.3478	0.2548	0.2439		
0.2428	0.2276					
0.193548387096774	0.621	0.3442	0.2544	0.2434		
0.2379	0.2228					
0.225806451612903	0.6138	0.3342	0.2528	0.2422		
0.2368	0.2227					
0.258064516129032	0.5936	0.32	0.2513	0.2371		
0.2333	0.2189					
0.290322580645161	0.5841	0.3172	0.249	0.2339		
0.2272	0.2165					
0.32258064516129	0.5554	0.3161	0.2487	0.2303		
0.2246	0.2123					

0.354838709677419	0.547	0.3159	0.2398	0.2277	
0.2244	0.2112				
0.387096774193548	0.5389	0.3094	0.2361	0.2272	
0.2223	0.206				
0.419354838709677	0.5101	0.298	0.2359	0.2219	
0.2163	0.2051				
0.451612903225806	0.5091	0.2977	0.2353	0.2206	
0.2146	0.2024				
0.483870967741936	0.5021	0.2943	0.23	0.22	
0.2139	0.2014				
0.516129032258065	0.4999	0.294	0.2281	0.2182	
0.2128	0.2006				
0.548387096774194	0.4772	0.2926	0.2207	0.2155	
0.2098	0.1959				
0.580645161290323	0.4725	0.2827	0.2193	0.2088	
0.2058	0.1959				
0.612903225806452	0.4585	0.2769	0.2179	0.2078	
0.2018	0.1888				
0.645161290322581	0.452	0.2751	0.2151	0.2045	
0.1971	0.1853				
0.67741935483871	0.4496	0.2708	0.2111	0.1999	
0.1899	0.1814				
0.709677419354839	0.4337	0.2672	0.2065	0.1948	
0.1895	0.1767				
0.741935483870968	0.4331	0.2538	0.1976	0.1918	
0.1883	0.1763				
0.774193548387097	0.3955	0.2308	0.1975	0.1825	0.177
0.1665					
0.806451612903226	0.3628	0.2178	0.1925	0.1753	
0.1648	0.1569				
0.838709677419355	0.3425	0.2117	0.185	0.161	
0.1479	0.1315				
0.870967741935484	0.3185	0.2106	0.1395	0.1208	
0.1131	0.1022				
0.903225806451613	0.2983	0.1537	0.1095	0.1022	
0.09724	0.08887				
0.935483870967742	0.2655	0.1419	0.08326	0.07729	
0.07553	0.06718				
0.967741935483871	0.2355	0.14	0.07885	0.04787	
0.03833	0.02065				
0.1	0.88349	0.36274	0.26028	0.25047	0.24612
0.22955					

Average of yearly

averages: 0.18386

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-lettuce-air-14ap

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight	419.9	g/mol	
Henry's Law Const.	1.4E-12	atm-m ³ /mol	

Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7	days		Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days		Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days		Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days		Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days		Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days		Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days		Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha		
Interval 8 interval	120	days		Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha		
Interval 9 interval	7	days		Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha		
Interval 10 interval	7	days		Set to 0 or delete line for single app.
app. rate 10	apprate	kg/ha		
Interval 11 interval	7	days		Set to 0 or delete line for single app.
app. rate 11	apprate	kg/ha		
Interval 12 interval	7	days		Set to 0 or delete line for single app.
app. rate 12	apprate	kg/ha		
Interval 13 interval	7	days		Set to 0 or delete line for single app.

app. rate 13 apprate kg/ha
Record 17: FILTRA
 IPSCND 1
 UPTKF
Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

21.2. Pore Water

stored as esfen-agdrift-lettuce-air-14apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAlettuceSTD.txt modified Tuesday, 21 February 2006 at 14:38:22

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23273.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.01514 0.004894	0.01514	0.01508	0.01175	0.01014	
1962	0.02437 0.02195	0.02436	0.02423	0.02399	0.02381	
1963	0.03225 0.02946	0.03223	0.0321	0.03164	0.03152	
1964	0.04028 0.0343	0.04027	0.0401	0.03928	0.0377	
1965	0.05435 0.0438	0.05389	0.05279	0.04965	0.04771	
1966	0.06057 0.05369	0.06055	0.0603	0.05621	0.05473	
1967	0.06441 0.06105	0.06438	0.06412	0.06358	0.0632	
1968	0.06078	0.06076	0.06055	0.06013	0.05979	0.058
1969	0.06817 0.06368	0.06814	0.06793	0.06736	0.06678	
1970	0.07037 0.06189	0.07034	0.0677	0.06392	0.06361	
1971	0.07113 0.06835	0.0711	0.07077	0.06993	0.06987	
1972	0.07061 0.06523	0.07058	0.07031	0.06849	0.06639	
1973	0.07679 0.07301	0.07676	0.07654	0.07615	0.07576	
1974	0.08468 0.07828	0.08461	0.08355	0.081	0.0806	
1975	0.08516 0.08091	0.08513	0.08491	0.08454	0.08422	
1976	0.07873 0.07506	0.0787	0.07828	0.0772	0.07654	
1977	0.0821 0.0766	0.08206	0.08169	0.08062	0.07973	

1978	0.08896 0.08504	0.08892	0.08869	0.08817	0.08781	
1979	0.08549 0.08085	0.08545	0.08524	0.0848	0.08444	
1980	0.08396 0.07952	0.08393	0.08373	0.08339	0.08311	
1981	0.0814 0.07635	0.08136	0.08115	0.08078	0.08042	
1982	0.07782 0.07307	0.07778	0.07755	0.07672	0.07601	
1983	0.08194 0.07688	0.0819	0.08156	0.08109	0.08075	
1984	0.07557 0.07121	0.07548	0.07512	0.07443	0.07412	
1985	0.07368 0.07016	0.07365	0.07343	0.07307	0.07276	
1986	0.07613 0.07146	0.07609	0.07588	0.07523	0.07467	
1987	0.07334 0.06954	0.07331	0.07309	0.0727	0.07236	
1988	0.07431	0.07427	0.07392	0.07307	0.0725	0.07
1989	0.07282 0.06891	0.07275	0.07245	0.07207	0.07178	
1990	0.06538 0.0618	0.06535	0.06513	0.06475	0.06444	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.08781	0.08896 0.08504	0.08892	0.08869	0.08817
0.0645161290322581	0.08444	0.08549 0.08091	0.08545	0.08524	0.0848
0.0967741935483871	0.08422	0.08516 0.08085	0.08513	0.08491	0.08454
0.129032258064516	0.08311	0.08468 0.07952	0.08461	0.08373	0.08339
0.161290322580645	0.08075	0.08396 0.07828	0.08393	0.08355	0.08109
0.193548387096774	0.0806	0.0821 0.07688	0.08206	0.08169	0.081
0.225806451612903	0.08042	0.08194 0.0766	0.0819	0.08156	0.08078
0.258064516129032	0.07973	0.0814 0.07635	0.08136	0.08115	0.08062
0.290322580645161	0.07654	0.07873 0.07506	0.0787	0.07828	0.0772
0.32258064516129	0.07601	0.07782 0.07307	0.07778	0.07755	0.07672
0.354838709677419	0.07576	0.07679 0.07301	0.07676	0.07654	0.07615
0.387096774193548	0.07467	0.07613 0.07146	0.07609	0.07588	0.07523
0.419354838709677	0.07412	0.07557 0.07121	0.07548	0.07512	0.07443
0.451612903225806	0.07276	0.07431 0.07016	0.07427	0.07392	0.07307

0.483870967741936	0.07368	0.07365	0.07343	0.07307
0.0725	0.07			
0.516129032258065	0.07334	0.07331	0.07309	0.0727
0.07236	0.06954			
0.548387096774194	0.07282	0.07275	0.07245	0.07207
0.07178	0.06891			
0.580645161290323	0.07113	0.0711	0.07077	0.06993
0.06987	0.06835			
0.612903225806452	0.07061	0.07058	0.07031	0.06849
0.06678	0.06523			
0.645161290322581	0.07037	0.07034	0.06793	0.06736
0.06639	0.06368			
0.67741935483871	0.06817	0.06814	0.0677	0.06475
0.06444	0.06189			
0.709677419354839	0.06538	0.06535	0.06513	0.06392
0.06361	0.0618			
0.741935483870968	0.06441	0.06438	0.06412	0.06358
0.0632	0.06105			
0.774193548387097	0.06078	0.06076	0.06055	0.06013
0.05979	0.058			
0.806451612903226	0.06057	0.06055	0.0603	0.05621
0.05473	0.05369			
0.838709677419355	0.05435	0.05389	0.05279	0.04965
0.04771	0.0438			
0.870967741935484	0.04028	0.04027	0.0401	0.03928
0.0377	0.0343			
0.903225806451613	0.03225	0.03223	0.0321	0.03164
0.03152	0.02946			
0.935483870967742	0.02437	0.02436	0.02423	0.02399
0.02381	0.02195			
0.967741935483871	0.01514	0.01514	0.01508	0.01175
0.01014	0.004894			
0.1	0.085112	0.085078	0.084792	0.084425
	0.080717			0.084109

Average of yearly

averages: 0.0634981333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-lettuce-air-14ap

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				

Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4		cm
Application Rate:	TAPP	0.06		kg/ha
Application Efficiency:	APPEFF	0.95		fraction
Spray Drift DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date	01-03		dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days		Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days		Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days		Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days		Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days		Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days		Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days		Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha		
Interval 8 interval	120	days		Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha		
Interval 9 interval	7	days		Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha		
Interval 10 interval	7	days		Set to 0 or delete line for single app.
app. rate 10	apprate		kg/ha	
Interval 11 interval	7	days		Set to 0 or delete line for single app.
app. rate 11	apprate		kg/ha	
Interval 12 interval	7	days		Set to 0 or delete line for single app.
app. rate 12	apprate		kg/ha	
Interval 13 interval	7	days		Set to 0 or delete line for single app.
app. rate 13	apprate		kg/ha	
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			

Flag for Index Res. Run IR	EPA Pond	
Flag for runoff calc. RUNOFF	none	none, monthly or
total(average of entire run)		

22. CAMelonsRLF: Cucumber, Eggplant, Melons, Cantaloupe, Honeydew, Musk Melon, Watermelon, Pumpkin, Squash (all or unspecified), Summer Squash, Winter Squash. April 1, 7 Applications, Aerial.

22.1. Water Column

stored as esfen-agdrift-melon-air-7ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1268 0.008576	0.0394	0.02572	0.02048	0.017
1962	0.1343 0.01557	0.04686	0.03323	0.02805	0.02445
1963	0.1397 0.02062	0.05224	0.03864	0.03352	0.02983
1964	0.1436 0.02415	0.0561	0.04251	0.03739	0.03366
1965	0.1461 0.02661	0.0586	0.04504	0.03997	0.03619
1966	0.1479 0.02809	0.06036	0.04684	0.0418	0.03791
1967	0.1491 0.02898	0.06158	0.04805	0.04296	0.03912
1968	0.1492 0.02938	0.06175	0.04821	0.04316	0.03927
1969	0.1505 0.03061	0.06297	0.04947	0.04447	0.04057
1970	0.151 0.0309	0.0635	0.05001	0.04494	0.04101
1971	0.1511 0.03108	0.06359	0.05003	0.04496	0.04113
1972	0.1512 0.03118	0.0637	0.0502	0.04514	0.04122
1973	0.1514 0.03129	0.06388	0.0504	0.04535	0.04137
1974	0.1513 0.03116	0.06382	0.05031	0.04526	0.04132
1975	0.1513 0.03133	0.06378	0.05027	0.04517	0.04128
1976	0.1519 0.03208	0.06439	0.05089	0.04582	0.04192
1977	0.1523 0.03206	0.06482	0.05127	0.04625	0.04232
1978	0.1516 0.03143	0.0641	0.05061	0.04559	0.04164

1979	0.151 0.0308	0.06351	0.05002	0.04498	0.04102	
1980	0.1505 0.03045	0.063	0.04947	0.04441	0.04055	
1981	0.1504 0.03003	0.06288	0.04938	0.04433	0.04034	
1982	0.1501 0.03019	0.06257	0.04905	0.04399	0.04012	
1983	0.1508 0.03071	0.06332	0.04981	0.04474	0.04083	
1984	0.1502 0.02975	0.06263	0.04917	0.04413	0.04014	
1985	0.1493 0.02909	0.06176	0.04825	0.04322	0.03926	
1986	0.1491 0.02896	0.06154	0.04804	0.04299	0.03905	
1987	0.1489	0.06136	0.04786	0.04283	0.03889	0.029
1988	0.1493 0.0292	0.06181	0.04827	0.04323	0.03936	
1989	0.1492 0.02931	0.06173	0.04821	0.04318	0.03928	
1990	0.1496 0.02966	0.06209	0.04856	0.04369	0.0398	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.04232	0.1523	0.06482	0.05127	0.04625
0.0645161290322581	0.04192	0.1519	0.06439	0.05089	0.04582
0.0967741935483871	0.04164	0.1516	0.0641	0.05061	0.04559
0.129032258064516	0.04137	0.1514	0.06388	0.0504	0.04535
0.161290322580645	0.04132	0.1513	0.06382	0.05031	0.04526
0.193548387096774	0.04128	0.1513	0.06378	0.05027	0.04517
0.225806451612903	0.04122	0.1512	0.0637	0.0502	0.04514
0.258064516129032	0.04113	0.1511	0.06359	0.05003	0.04498
0.290322580645161	0.04102	0.151	0.06351	0.05002	0.04496
0.32258064516129	0.04101	0.151	0.0635	0.05001	0.04494
0.354838709677419	0.04083	0.1508	0.06332	0.04981	0.04474
0.387096774193548	0.04057	0.1505	0.063	0.04947	0.04447
0.419354838709677	0.04055	0.1505	0.06297	0.04947	0.04441
0.451612903225806	0.04034	0.1504	0.06288	0.04938	0.04433
0.483870967741936	0.04014	0.1502	0.06263	0.04917	0.04413

0.516129032258065	0.1501	0.06257	0.04905	0.04399
0.04012	0.02975			
0.548387096774194	0.1496	0.06209	0.04856	0.04369
0.0398	0.02966			
0.580645161290323	0.1493	0.06181	0.04827	0.04323
0.03936	0.02938			
0.612903225806452	0.1493	0.06176	0.04825	0.04322
0.03928	0.02931			
0.645161290322581	0.1492	0.06175	0.04821	0.04318
0.03927	0.0292			
0.67741935483871	0.1492	0.06173	0.04821	0.04316
0.03926	0.02909			
0.709677419354839	0.1491	0.06158	0.04805	0.04299
0.03912	0.029			
0.741935483870968	0.1491	0.06154	0.04804	0.04296
0.03905	0.02898			
0.774193548387097	0.1489	0.06136	0.04786	0.04283
0.03889	0.02896			
0.806451612903226	0.1479	0.06036	0.04684	0.0418
0.03791	0.02809			
0.838709677419355	0.1461	0.0586	0.04504	0.03997
0.03619	0.02661			
0.870967741935484	0.1436	0.0561	0.04251	0.03739
0.03366	0.02415			
0.903225806451613	0.1397	0.05224	0.03864	0.03352
0.02983	0.02062			
0.935483870967742	0.1343	0.04686	0.03323	0.02805
0.02445	0.01557			
0.967741935483871	0.1268	0.0394	0.02572	0.02048
0.008576				0.017
0.1	0.15158	0.064078	0.050589	0.045566
	0.03142			0.041613

Average of yearly

averages: 0.0284082

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-melon-air-7ap

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR		EPA Pond	
Flag for runoff calc. RUNOFF		none	none, monthly or
total(average of entire run)			

22.2. Pore Water

stored as esfen-agdrift-melon-air-7apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.00375 0.002266	0.003747	0.003723	0.003623	0.003538
1962	0.006433 0.004775	0.006429	0.006385	0.006229	0.006103
1963	0.008365 0.006592	0.008358	0.008299	0.008114	0.007969

1964	0.009754 0.007878	0.009746	0.009681	0.009471	0.009292
1965	0.01065 0.008757	0.01064	0.01057	0.01035	0.01017
1966	0.01129 0.009297	0.01128	0.01118	0.01092	0.01073
1967	0.01173 0.009612	0.01172	0.01163	0.01138	0.01117
1968	0.01179 0.009757	0.01178	0.01169	0.01142	0.0112
1969	0.01223 0.01018	0.01222	0.01212	0.01187	0.01167
1970	0.01242 0.0103	0.01241	0.0123	0.01203	0.0118
1971	0.01245 0.01037	0.01244	0.01236	0.01211	0.01189
1972	0.01249 0.01041	0.01248	0.01237	0.0121	0.01187
1973	0.01255 0.01044	0.01254	0.01243	0.01213	0.01191
1974	0.01253 0.0104	0.01252	0.01242	0.01214	0.01192
1975	0.01252 0.01046	0.01251	0.01241	0.01214	0.01193
1976	0.01274 0.01072	0.01273	0.01262	0.01237	0.01216
1977	0.01289 0.01073	0.01288	0.0128	0.0125	0.01226
1978	0.01263 0.01048	0.01262	0.01252	0.01224	0.01201
1979	0.01242 0.01027	0.01241	0.01231	0.01202	0.01179
1980	0.01224 0.01014	0.01223	0.01214	0.01189	0.01167
1981	0.01219 0.00999	0.01218	0.01208	0.01177	0.01152
1982	0.01208 0.01004	0.01207	0.01198	0.01173	0.01153
1983	0.01235 0.01022	0.01234	0.01224	0.01197	0.01176
1984	0.0121 0.009898	0.01209	0.01197	0.01169	0.01146
1985	0.01179 0.009656	0.01178	0.01169	0.01139	0.01114
1986	0.01171 0.009603	0.0117	0.0116	0.01132	0.01109
1987	0.01165 0.00962	0.01164	0.01153	0.01126	0.01105
1988	0.01181 0.009698	0.0118	0.01172	0.01146	0.01123
1989	0.01178 0.009733	0.01177	0.01168	0.01141	0.01119
1990	0.01191 0.009847	0.0119	0.01183	0.01158	0.01136

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01226	0.01289	0.01288	0.0128	0.0125
0.0645161290322581	0.01216	0.01274	0.01273	0.01262	0.01237
0.0967741935483871	0.01201	0.01263	0.01262	0.01252	0.01224
0.129032258064516	0.01193	0.01255	0.01254	0.01243	0.01214
0.161290322580645	0.01192	0.01253	0.01252	0.01242	0.01214
0.193548387096774	0.01191	0.01252	0.01251	0.01241	0.01213
0.225806451612903	0.01189	0.01249	0.01248	0.01237	0.01211
0.258064516129032	0.01187	0.01245	0.01244	0.01236	0.0121
0.290322580645161	0.0118	0.01242	0.01241	0.01231	0.01203
0.32258064516129	0.01179	0.01242	0.01241	0.0123	0.01202
0.354838709677419	0.01176	0.01235	0.01234	0.01224	0.01197
0.387096774193548	0.01167	0.01224	0.01223	0.01214	0.01189
0.419354838709677	0.01167	0.01223	0.01222	0.01212	0.01187
0.451612903225806	0.01153	0.01219	0.01218	0.01208	0.01177
0.483870967741936	0.01152	0.0121	0.01209	0.01198	0.01173
0.516129032258065	0.01146	0.01208	0.01207	0.01197	0.01169
0.548387096774194	0.01136	0.01191	0.0119	0.01183	0.01158
0.580645161290323	0.01123	0.01181	0.0118	0.01172	0.01146
0.612903225806452	0.0112	0.01179	0.01178	0.01169	0.01142
0.645161290322581	0.01119	0.01179	0.01178	0.01169	0.01141
0.67741935483871	0.01117	0.01178	0.01177	0.01168	0.01139
0.709677419354839	0.01114	0.01173	0.01172	0.01163	0.01138
0.741935483870968	0.01109	0.01171	0.0117	0.0116	0.01132
0.774193548387097	0.01105	0.01165	0.01164	0.01153	0.01126
0.806451612903226	0.01073	0.01129	0.01128	0.01118	0.01092
0.838709677419355	0.01017	0.01065	0.01064	0.01057	0.01035
0.870967741935484	0.009292	0.009754	0.009746	0.009681	0.009471
		0.007878			

0.903225806451613	0.008365	0.008358	0.008299	0.008114
0.007969	0.006592			
0.935483870967742	0.006433	0.006429	0.006385	0.006229
0.006103	0.004775			
0.967741935483871	0.00375	0.003747	0.003723	0.003623
0.003538	0.002266			
0.1	0.012622	0.012612	0.012511	0.01223
	0.010478			0.012002

Average of yearly

averages: 0.009404633333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-melon-air-7ap

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	

Interval 6 interval 7 days Set to 0 or delete line for
 single app.
 app. rate 6 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

23. CAMelonsRLF: Cucumber, Eggplant, Melons, Cantaloupe, Honeydew, Musk Melon, Watermelon, Pumpkin, Squash (all or unspecified), Summer Squash, Winter Squash. April 1, 5 Applications, Aerial.

23.1. Water Column

stored as esfen-agdrift-melon-air-5ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1239 0.006244	0.03646	0.02277	0.01549	0.0127
1962	0.1293 0.0112	0.04183	0.02817	0.02086	0.01799
1963	0.1332 0.0148	0.04574	0.03209	0.02475	0.02182
1964	0.1359 0.0173	0.04849	0.03484	0.02749	0.02453
1965	0.1378 0.01905	0.05033	0.03669	0.02934	0.02633
1966	0.1391 0.02009	0.05162	0.03802	0.03062	0.02754
1967	0.1399 0.02073	0.05249	0.03884	0.03146	0.02841
1968	0.1401 0.02101	0.05259	0.03897	0.03159	0.02851
1969	0.141 0.02188	0.05352	0.03989	0.03252	0.02943
1970	0.1414 0.02208	0.05391	0.04027	0.03285	0.02974
1971	0.1413 0.02221	0.05386	0.04023	0.03287	0.02983
1972	0.1415 0.02229	0.05403	0.04041	0.033	0.0299
1973	0.1417 0.02236	0.05419	0.04058	0.03314	0.02999
1974	0.1416 0.02227	0.0541	0.04048	0.03307	0.02996

1975	0.1415 0.02239	0.05407	0.04043	0.03301	0.02993
1976	0.142 0.02292	0.05453	0.0409	0.03348	0.03039
1977	0.1422 0.02291	0.05473	0.04114	0.03377	0.03067
1978	0.1418 0.02246	0.05432	0.0407	0.03332	0.03019
1979	0.1414 0.02201	0.05391	0.04029	0.03287	0.02975
1980	0.1409 0.02176	0.05347	0.03985	0.03246	0.02941
1981	0.1409 0.02146	0.05343	0.03982	0.03241	0.02926
1982	0.1407 0.02158	0.0532	0.03956	0.03217	0.02911
1983	0.1412 0.02194	0.05375	0.04011	0.0327	0.0296
1984	0.1408 0.02126	0.05333	0.03971	0.03226	0.02912
1985	0.1401 0.02079	0.0526	0.03901	0.03161	0.02849
1986	0.1399 0.02069	0.05248	0.03886	0.03145	0.02833
1987	0.1398 0.02071	0.05234	0.03874	0.03133	0.02822
1988	0.1401 0.02087	0.05261	0.03901	0.03162	0.02856
1989	0.14 0.02095	0.05257	0.03898	0.03158	0.02849
1990	0.1403 0.02118	0.05282	0.03921	0.03194	0.02886

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.03067	0.1422 0.02292	0.05473	0.04114	0.03377
0.0645161290322581	0.03039	0.142 0.02291	0.05453	0.0409	0.03348
0.0967741935483871	0.03019	0.1418 0.02246	0.05432	0.0407	0.03332
0.129032258064516	0.02999	0.1417 0.02239	0.05419	0.04058	0.03314
0.161290322580645	0.02996	0.1416 0.02236	0.0541	0.04048	0.03307
0.193548387096774	0.02993	0.1415 0.02229	0.05407	0.04043	0.03301
0.225806451612903	0.0299	0.1415 0.02227	0.05403	0.04041	0.033
0.258064516129032	0.02983	0.1414 0.02221	0.05391	0.04029	0.03287
0.290322580645161	0.02975	0.1414 0.02208	0.05391	0.04027	0.03287
0.32258064516129	0.02974	0.1413 0.02201	0.05386	0.04023	0.03285

0.354838709677419	0.1412	0.05375	0.04011	0.0327
0.0296	0.02194			
0.387096774193548	0.141	0.05352	0.03989	0.03252
0.02943	0.02188			
0.419354838709677	0.1409	0.05347	0.03985	0.03246
0.02941	0.02176			
0.451612903225806	0.1409	0.05343	0.03982	0.03241
0.02926	0.02158			
0.483870967741936	0.1408	0.05333	0.03971	0.03226
0.02912	0.02146			
0.516129032258065	0.1407	0.0532	0.03956	0.03217
0.02911	0.02126			
0.548387096774194	0.1403	0.05282	0.03921	0.03194
0.02886	0.02118			
0.580645161290323	0.1401	0.05261	0.03901	0.03162
0.02856	0.02101			
0.612903225806452	0.1401	0.0526	0.03901	0.03161
0.02851	0.02095			
0.645161290322581	0.1401	0.05259	0.03898	0.03159
0.02849	0.02087			
0.67741935483871	0.14	0.05257	0.03897	0.03158
0.02849	0.02079			
0.709677419354839	0.1399	0.05249	0.03886	0.03146
0.02841	0.02073			
0.741935483870968	0.1399	0.05248	0.03884	0.03145
0.02833	0.02071			
0.774193548387097	0.1398	0.05234	0.03874	0.03133
0.02822	0.02069			
0.806451612903226	0.1391	0.05162	0.03802	0.03062
0.02754	0.02009			
0.838709677419355	0.1378	0.05033	0.03669	0.02934
0.02633	0.01905			
0.870967741935484	0.1359	0.04849	0.03484	0.02749
0.02453	0.0173			
0.903225806451613	0.1332	0.04574	0.03209	0.02475
0.02182	0.0148			
0.935483870967742	0.1293	0.04183	0.02817	0.02086
0.01799	0.0112			
0.967741935483871	0.1239	0.03646	0.02277	0.01549
0.0127	0.006244			
0.1	0.14179	0.054307	0.040688	0.033302
0.022453				0.03017

Average of yearly

averages: 0.0203131333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-melon-air-5ap

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight	419.9	g/mol	
Henry's Law Const.	1.4E-12	atm-m ³ /mol	

Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw	276	days	
Halfife				
Anaerobic Aquatic Metabolism	kbacs	462	days	
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of	application rate applied to	
pond				
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or	
dd-mmm				
Interval 1 interval	7	days	Set to 0 or delete line for	
single app.				
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for	
single app.				
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for	
single app.				
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for	
single app.				
app. rate 4 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

23.2. Pore Water

stored as esfen-agdrift-melon-air-5apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				
1961	0.002695	0.002694	0.002677	0.00262	0.002562
	0.001662				

1962	0.004624 0.003441	0.004621	0.004591	0.004496	0.004404
1963	0.006024 0.004732	0.00602	0.005976	0.005854	0.005748
1964	0.007018 0.005646	0.007013	0.006966	0.006827	0.006705
1965	0.007676 0.00627	0.007669	0.007613	0.007457	0.007333
1966	0.008144 0.006651	0.008136	0.008069	0.007882	0.007736
1967	0.008452 0.006876	0.008445	0.008381	0.008202	0.008056
1968	0.008492 0.006979	0.008485	0.008422	0.008237	0.00808
1969	0.008822 0.007275	0.008813	0.008742	0.008553	0.008408
1970	0.008962 0.00736	0.008953	0.008878	0.008676	0.008511
1971	0.008948 0.007415	0.008942	0.008885	0.008715	0.008566
1972	0.009007 0.007438	0.008998	0.008926	0.008727	0.008562
1973	0.009064 0.007462	0.009056	0.008976	0.008763	0.008589
1974	0.009033 0.007432	0.009024	0.008954	0.008755	0.00859
1975	0.009021 0.007478	0.009013	0.008944	0.008752	0.008599
1976	0.009185 0.00766	0.009177	0.009104	0.00891	0.008758
1977	0.009263 0.007663	0.009256	0.009198	0.009011	0.008836
1978	0.009111 0.007489	0.009103	0.009029	0.008829	0.008662
1979	0.008963 0.00734	0.008954	0.008879	0.008674	0.008504
1980	0.008806 0.007248	0.008799	0.008736	0.008559	0.00841
1981	0.008792 0.007139	0.008784	0.008712	0.008503	0.008317
1982	0.008707 0.007178	0.008699	0.008632	0.008448	0.008305
1983	0.008903 0.007302	0.008895	0.008825	0.00863	0.008472
1984	0.008755 0.007074	0.008746	0.00866	0.008444	0.008271
1985	0.008496 0.0069	0.008489	0.008422	0.008222	0.008044
1986	0.008449 0.006862	0.00844	0.008369	0.008168	0.008001
1987	0.0084 0.006873	0.008391	0.00832	0.008122	0.007966
1988	0.008497 0.00693	0.00849	0.00843	0.008252	0.0081
1989	0.008486 0.006955	0.008478	0.008412	0.008224	0.008068

1990	0.008573 0.007034	0.008566	0.008502	0.008333	0.008182
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Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.008836	0.009263	0.009256	0.009198	0.009011
0.0645161290322581	0.008758	0.009185	0.009177	0.009104	0.00891
0.0967741935483871	0.008662	0.009111	0.009103	0.009029	0.008829
0.129032258064516	0.008599	0.009064	0.009056	0.008976	0.008763
0.161290322580645	0.00859	0.009033	0.009024	0.008954	0.008755
0.193548387096774	0.008589	0.009021	0.009013	0.008944	0.008752
0.225806451612903	0.008566	0.009007	0.008998	0.008926	0.008727
0.258064516129032	0.008562	0.008963	0.008954	0.008885	0.008715
0.290322580645161	0.008511	0.008962	0.008953	0.008879	0.008676
0.32258064516129	0.008504	0.008948	0.008942	0.008878	0.008674
0.354838709677419	0.008472	0.008903	0.008895	0.008825	0.00863
0.387096774193548	0.00841	0.008822	0.008813	0.008742	0.008559
0.419354838709677	0.008408	0.008806	0.008799	0.008736	0.008553
0.451612903225806	0.008317	0.008792	0.008784	0.008712	0.008503
0.483870967741936	0.008305	0.008755	0.008746	0.00866	0.008448
0.516129032258065	0.008271	0.008707	0.008699	0.008632	0.008444
0.548387096774194	0.008182	0.008573	0.008566	0.008502	0.008333
0.580645161290323	0.0081	0.008497	0.00849	0.00843	0.008252
0.612903225806452	0.00808	0.008496	0.008489	0.008422	0.008237
0.645161290322581	0.008068	0.008492	0.008485	0.008422	0.008224
0.67741935483871	0.008056	0.008486	0.008478	0.008412	0.008222
0.709677419354839	0.008044	0.008452	0.008445	0.008381	0.008202
0.741935483870968	0.008001	0.008449	0.00844	0.008369	0.008168
0.774193548387097	0.007966	0.0084	0.008391	0.00832	0.008122
0.806451612903226	0.007736	0.008144	0.008136	0.008069	0.007882

0.838709677419355	0.007676	0.007669	0.007613	0.007457
0.007333	0.00627			
0.870967741935484	0.007018	0.007013	0.006966	0.006827
0.006705	0.005646			
0.903225806451613	0.006024	0.00602	0.005976	0.005854
0.005748	0.004732			
0.935483870967742	0.004624	0.004621	0.004591	0.004496
0.004404	0.003441			
0.967741935483871	0.002695	0.002694	0.002677	0.00262
0.002562	0.001662			
0.1	0.0091063	0.0090983	0.0090237	0.0088224
0.0074879				0.0086557

Average of yearly

averages: 0.0067254666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-melon-air-5ap

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date	01-04		dd/mm or dd/mm/ or dd-mm or dd-mmm
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.

app. rate 4 apprate kg/ha
Record 17: FILTRA
IPSCND 1
UPTKF
Record 18: PLVKRT
PLDKRT
FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

24. CAMelonsRLF: Cucumber, Eggplant, Melons, Cantaloupe, Honeydew, Musk Melon, Watermelon, Pumpkin, Squash (all or unspecified), Summer Squash, Winter Squash. April 1, 7 Applications, Ground.

24.1. Water Column

stored as esfen-agdrift-melon-grd-5ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01409 0.0009762	0.004377	0.002858	0.002275	0.00189
1962	0.01507 0.001905	0.005357	0.003842	0.003268	0.002867
1963	0.01582 0.002608	0.006106	0.004597	0.004069	0.003642
1964	0.01623 0.002981	0.006507	0.004999	0.004432	0.004015
1965	0.01656 0.00328	0.006837	0.005333	0.004797	0.004364
1966	0.01669 0.003392	0.006972	0.005471	0.004913	0.004477
1967	0.01687 0.003519	0.007144	0.005643	0.005108	0.004666
1968	0.01684 0.003561	0.007115	0.005613	0.005066	0.004626
1969	0.01738 0.004081	0.00766	0.006164	0.005671	0.005208
1970	0.01743 0.004076	0.007709	0.006214	0.005655	0.005207
1971	0.01727 0.003933	0.00755	0.006046	0.005498	0.005063
1972	0.01719 0.003886	0.007464	0.005966	0.005408	0.004984
1973	0.01729 0.003938	0.007561	0.006067	0.00551	0.00506
1974	0.01723 0.003876	0.007507	0.006009	0.005454	0.005009
1975	0.01714 0.003817	0.007417	0.005918	0.005354	0.004917

1976	0.01727 0.004016	0.007546	0.006048	0.005488	0.005049
1977	0.01736 0.004006	0.007638	0.006134	0.00558	0.005137
1978	0.01744 0.004078	0.007716	0.00622	0.00572	0.005257
1979	0.01726 0.00389	0.007533	0.006037	0.00548	0.005034
1980	0.01717 0.003834	0.00745	0.005949	0.00539	0.004955
1981	0.01712 0.003752	0.007399	0.005902	0.005345	0.004895
1982	0.01709 0.003791	0.007369	0.00587	0.005325	0.004885
1983	0.01737 0.00403	0.007646	0.00615	0.00559	0.005145
1984	0.01715 0.003754	0.007423	0.005932	0.005375	0.004924
1985	0.01693 0.003579	0.007208	0.005708	0.005154	0.004708
1986	0.01698 0.003629	0.007257	0.00576	0.005202	0.004756
1987	0.0169 0.003582	0.007175	0.005677	0.005122	0.004678
1988	0.01692 0.003557	0.007178	0.005676	0.005139	0.004698
1989	0.01687 0.003563	0.007148	0.005647	0.005091	0.004652
1990	0.01694 0.003727	0.007219	0.005718	0.005331	0.004895

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.005257	0.01744 0.004081	0.007716	0.00622	0.00572
0.0645161290322581	0.005208	0.01743 0.004078	0.007709	0.006214	0.005671
0.0967741935483871	0.005207	0.01738 0.004076	0.00766	0.006164	0.005655
0.129032258064516	0.005145	0.01737 0.00403	0.007646	0.00615	0.00559
0.161290322580645	0.005137	0.01736 0.004016	0.007638	0.006134	0.00558
0.193548387096774	0.005063	0.01729 0.004006	0.007561	0.006067	0.00551
0.225806451612903	0.00506	0.01727 0.003938	0.00755	0.006048	0.005498
0.258064516129032	0.005049	0.01727 0.003933	0.007546	0.006046	0.005488
0.290322580645161	0.005034	0.01726 0.00389	0.007533	0.006037	0.00548
0.32258064516129	0.005009	0.01723 0.003886	0.007507	0.006009	0.005454
0.354838709677419	0.004984	0.01719 0.003876	0.007464	0.005966	0.005408

0.387096774193548	0.01717	0.00745	0.005949	0.00539
0.004955	0.003834			
0.419354838709677	0.01715	0.007423	0.005932	0.005375
0.004924	0.003817			
0.451612903225806	0.01714	0.007417	0.005918	0.005354
0.004917	0.003791			
0.483870967741936	0.01712	0.007399	0.005902	0.005345
0.004895	0.003754			
0.516129032258065	0.01709	0.007369	0.00587	0.005331
0.004895	0.003752			
0.548387096774194	0.01698	0.007257	0.00576	0.005325
0.004885	0.003727			
0.580645161290323	0.01694	0.007219	0.005718	0.005202
0.004756	0.003629			
0.612903225806452	0.01693	0.007208	0.005708	0.005154
0.004708	0.003582			
0.645161290322581	0.01692	0.007178	0.005677	0.005139
0.004698	0.003579			
0.67741935483871	0.0169	0.007175	0.005676	0.005122
0.004678	0.003563			
0.709677419354839	0.01687	0.007148	0.005647	0.005108
0.004666	0.003561			
0.741935483870968	0.01687	0.007144	0.005643	0.005091
0.004652	0.003557			
0.774193548387097	0.01684	0.007115	0.005613	0.005066
0.004626	0.003519			
0.806451612903226	0.01669	0.006972	0.005471	0.004913
0.004477	0.003392			
0.838709677419355	0.01656	0.006837	0.005333	0.004797
0.004364	0.00328			
0.870967741935484	0.01623	0.006507	0.004999	0.004432
0.004015	0.002981			
0.903225806451613	0.01582	0.006106	0.004597	0.004069
0.003642	0.002608			
0.935483870967742	0.01507	0.005357	0.003842	0.003268
0.002867	0.001905			
0.967741935483871	0.01409	0.004377	0.002858	0.002275
0.00189	0.0009762			

0.1	0.017379	0.0076586	0.0061626	0.0056485	0.0052008
	0.0040714				

Average of yearly

averages: 0.0035539066666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-melon-grd-5ap

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift DRFT	0.007		fraction of	application rate applied to pond	
Application Date	Date		01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days	Set to 0 or delete line for single app.	
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days	Set to 0 or delete line for single app.	
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days	Set to 0 or delete line for single app.	
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days	Set to 0 or delete line for single app.	
app. rate 6 apprate			kg/ha		
Record 17: FILTRA					
IPSCND	1				
UPTKF					
Record 18: PLVKRT					
PLDKRT					
FEXTRC	0.5				
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none	none, monthly or	
total(average of entire run)					

24.2. Pore Water

stored as esfen-agdrift-melon-grd-5apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0004166 0.0002575	0.0004163	0.0004136	0.0004027	0.0003959
1962	0.0007687 0.0005819	0.0007682	0.000763	0.0007444	0.0007314
1963	0.001038 0.0008305	0.001037	0.00103	0.001007	0.0009907
1964	0.001182 0.0009767	0.001181	0.001173	0.001149	0.001129
1965	0.001301 0.001082	0.0013	0.00129	0.001265	0.001244
1966	0.001349 0.001127	0.001348	0.001337	0.001307	0.001284
1967	0.001411 0.001167	0.00141	0.0014	0.001371	0.001346
1968	0.001401 0.00118	0.0014	0.001389	0.001358	0.001333
1969	0.001597 0.001346	0.001596	0.001583	0.001552	0.001527
1970	0.001615 0.001362	0.001613	0.001599	0.001566	0.001538
1971	0.001557 0.001322	0.001556	0.001548	0.001518	0.001492
1972	0.001527 0.001298	0.001525	0.001513	0.001482	0.001457
1973	0.001562 0.001318	0.00156	0.001546	0.001511	0.001485
1974	0.001542 0.001298	0.001541	0.001529	0.001495	0.001469
1975	0.00151 0.00128	0.001509	0.001497	0.001466	0.001442
1976	0.001556 0.001334	0.001555	0.001542	0.001512	0.001487
1977	0.001589 0.001346	0.001588	0.001578	0.001542	0.001514
1978	0.001617 0.001355	0.001616	0.001603	0.001569	0.001542
1979	0.001551 0.001304	0.00155	0.001537	0.001503	0.001476
1980	0.001522 0.00128	0.001521	0.00151	0.00148	0.001454
1981	0.001503 0.001251	0.001502	0.001489	0.001453	0.001424
1982	0.001492 0.00126	0.001491	0.001479	0.00145	0.001426
1983	0.001592 0.001336	0.001591	0.001578	0.001544	0.001519
1984	0.001512 0.001258	0.001511	0.001496	0.001462	0.001435
1985	0.001435 0.001193	0.001434	0.001422	0.001386	0.001358
1986	0.001452 0.001203	0.001451	0.001438	0.001404	0.001378
1987	0.001423 0.001192	0.001422	0.001409	0.001376	0.001352

1988	0.001424	0.001423	0.001412	0.001382	0.001356
	0.001184				
1989	0.001413	0.001412	0.0014	0.001369	0.001344
	0.001184				
1990	0.001477	0.001475	0.00146	0.001433	0.001409
	0.001233				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129		0.001617	0.001616	0.001603	0.001569
	0.001542	0.001362			
0.0645161290322581		0.001615	0.001613	0.001599	0.001566
	0.001538	0.001355			
0.0967741935483871		0.001597	0.001596	0.001583	0.001552
	0.001527	0.001346			
0.129032258064516		0.001592	0.001591	0.001578	0.001544
	0.001519	0.001346			
0.161290322580645		0.001589	0.001588	0.001578	0.001542
	0.001514	0.001336			
0.193548387096774		0.001562	0.00156	0.001548	0.001518
	0.001492	0.001334			
0.225806451612903		0.001557	0.001556	0.001546	0.001512
	0.001487	0.001322			
0.258064516129032		0.001556	0.001555	0.001542	0.001511
	0.001485	0.001318			
0.290322580645161		0.001551	0.00155	0.001537	0.001503
	0.001476	0.001304			
0.32258064516129		0.001542	0.001541	0.001529	0.001495
	0.001469	0.001298			
0.354838709677419		0.001527	0.001525	0.001513	0.001482
	0.001457	0.001298			
0.387096774193548		0.001522	0.001521	0.00151	0.00148
	0.001454	0.00128			
0.419354838709677		0.001512	0.001511	0.001497	0.001466
	0.001442	0.00128			
0.451612903225806		0.00151	0.001509	0.001496	0.001462
	0.001435	0.00126			
0.483870967741936		0.001503	0.001502	0.001489	0.001453
	0.001426	0.001258			
0.516129032258065		0.001492	0.001491	0.001479	0.00145
	0.001424	0.001251			
0.548387096774194		0.001477	0.001475	0.00146	0.001433
	0.001409	0.001233			
0.580645161290323		0.001452	0.001451	0.001438	0.001404
	0.001378	0.001203			
0.612903225806452		0.001435	0.001434	0.001422	0.001386
	0.001358	0.001193			
0.645161290322581		0.001424	0.001423	0.001412	0.001382
	0.001356	0.001192			
0.67741935483871		0.001423	0.001422	0.001409	0.001376
	0.001352	0.001184			
0.709677419354839		0.001413	0.001412	0.0014	0.001371
	0.001346	0.001184			
0.741935483870968		0.001411	0.00141	0.0014	0.001369
	0.001344	0.00118			

0.774193548387097	0.001401	0.0014	0.001389	0.001358
0.001333	0.001167			
0.806451612903226	0.001349	0.001348	0.001337	0.001307
0.001284	0.001127			
0.838709677419355	0.001301	0.0013	0.00129	0.001265
0.001244	0.001082			
0.870967741935484	0.001182	0.001181	0.001173	0.001149
0.001129	0.0009767			
0.903225806451613	0.001038	0.001037	0.00103	0.001007
0.0009907	0.0008305			
0.935483870967742	0.0007687	0.0007682	0.000763	0.0007444
0.0007314	0.0005819			
0.967741935483871	0.0004166	0.0004163	0.0004136	0.0004027
0.0003959	0.0002575			
0.1	0.0015965	0.0015955	0.0015825	0.0015512
0.001346				0.0015262
				Average of yearly
averages:	0.00117798666666667			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-melon-grd-5ap

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-04	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		

Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

25. CAonion_WirrigSTD: Radish. Apr1 1, 7 Applications, Aerial.

25.1. Water Column

stored as esfen-agdrift-onion-air-7ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAonion_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:43:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.1283 0.008692	0.03989	0.026	0.02068	0.01731	
1962	0.1347 0.01594	0.04731	0.03375	0.02849	0.02511	
1963	0.1412	0.05288	0.03923	0.03396	0.03042	0.021
1964	0.1454 0.02438	0.05695	0.04311	0.03787	0.03428	
1965	0.1464 0.02673	0.0592	0.0454	0.0402	0.03661	
1966	0.1483 0.0285	0.06101	0.04743	0.04235	0.03859	
1967	0.1498 0.0293	0.06216	0.04868	0.04357	0.03981	
1968	0.1491 0.02911	0.06159	0.04827	0.04318	0.03946	
1969	0.1508 0.02915	0.06226	0.04858	0.04345	0.03969	
1970	0.1493 0.02878	0.06153	0.04812	0.04297	0.03931	
1971	0.1495 0.02926	0.06174	0.04811	0.04346	0.03977	

1972	0.1498 0.02995	0.0628	0.04894	0.04366	0.0404
1973	0.1507 0.03015	0.06334	0.04963	0.04451	0.04074
1974	0.151 0.02989	0.0627	0.04902	0.0439	0.04018
1975	0.1503 0.03012	0.06321	0.04938	0.0443	0.04067
1976	0.152 0.02977	0.06306	0.04931	0.04403	0.04022
1977	0.1495 0.02981	0.06234	0.04862	0.04363	0.03996
1978	0.1512 0.0308	0.06387	0.05017	0.04509	0.0414
1979	0.1504 0.02997	0.06331	0.04934	0.04425	0.04055
1980	0.1495 0.02955	0.06201	0.04853	0.0435	0.03979
1981	0.1508 0.02922	0.06239	0.04864	0.04346	0.03975
1982	0.149 0.02897	0.06183	0.04822	0.04319	0.03939
1983	0.1495 0.02996	0.06197	0.04847	0.04345	0.03975
1984	0.1509 0.03033	0.06321	0.04963	0.04453	0.04076
1985	0.1512 0.0303	0.06312	0.04939	0.04431	0.04051
1986	0.1507 0.03059	0.0633	0.04966	0.04458	0.04081
1987	0.1522 0.03123	0.06414	0.05025	0.04507	0.04128
1988	0.1538 0.03145	0.06481	0.05084	0.04576	0.04211
1989	0.1511 0.03123	0.06369	0.05029	0.04522	0.04158
1990	0.1519 0.03113	0.06412	0.05063	0.04535	0.04162

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.04211	0.1538	0.06481	0.05084	0.04576
0.0645161290322581	0.04162	0.1522	0.06414	0.05063	0.04535
0.0967741935483871	0.04158	0.152	0.06412	0.05029	0.04522
0.129032258064516	0.0414	0.1519	0.06387	0.05025	0.04509
0.161290322580645	0.04128	0.1512	0.06369	0.05017	0.04507
0.193548387096774	0.04081	0.1512	0.06334	0.04966	0.04458
0.225806451612903	0.04076	0.1511	0.06331	0.04963	0.04453

0.258064516129032	0.151	0.0633	0.04963	0.04451
0.04074	0.0303			
0.290322580645161	0.1509	0.06321	0.04939	0.04431
0.04067	0.03015			
0.32258064516129	0.1508	0.06321	0.04938	0.0443
0.04055	0.03012			
0.354838709677419	0.1508	0.06312	0.04934	0.04425
0.04051	0.02997			
0.387096774193548	0.1507	0.06306	0.04931	0.04403
0.0404	0.02996			
0.419354838709677	0.1507	0.0628	0.04902	0.0439
0.04022	0.02995			
0.451612903225806	0.1504	0.0627	0.04894	0.04366
0.04018	0.02989			
0.483870967741936	0.1503	0.06239	0.04868	0.04363
0.03996	0.02981			
0.516129032258065	0.1498	0.06234	0.04864	0.04357
0.03981	0.02977			
0.548387096774194	0.1498	0.06226	0.04862	0.0435
0.03979	0.02955			
0.580645161290323	0.1495	0.06216	0.04858	0.04346
0.03977	0.0293			
0.612903225806452	0.1495	0.06201	0.04853	0.04346
0.03975	0.02926			
0.645161290322581	0.1495	0.06197	0.04847	0.04345
0.03975	0.02922			
0.67741935483871	0.1495	0.06183	0.04827	0.04345
0.03969	0.02915			
0.709677419354839	0.1493	0.06174	0.04822	0.04319
0.03946	0.02911			
0.741935483870968	0.1491	0.06159	0.04812	0.04318
0.03939	0.02897			
0.774193548387097	0.149	0.06153	0.04811	0.04297
0.03931	0.02878			
0.806451612903226	0.1483	0.06101	0.04743	0.04235
0.03859	0.0285			
0.838709677419355	0.1464	0.0592	0.0454	0.0402
0.03661	0.02673			
0.870967741935484	0.1454	0.05695	0.04311	0.03787
0.03428	0.02438			
0.903225806451613	0.1412	0.05288	0.03923	0.03396
0.03042	0.021			
0.935483870967742	0.1347	0.04731	0.03375	0.02849
0.02511	0.01594			
0.967741935483871	0.1283	0.03989	0.026	0.02068
0.01731	0.008692			

0.1	0.15199	0.064095	0.050286	0.045207	0.041562
	0.03122				

Average of yearly

averages: 0.0281754

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-onion-air-7ap

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt
EXAMS environment file: pond298.exv
Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	
Spray Drift	DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date		01-04	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		
Interval 4	interval	7	days		Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha		
Interval 5	interval	7	days		Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha		
Interval 6	interval	7	days		Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha		
Record 17:	FILTRA				
	IPSCND	1			
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none		none, monthly or
total(average of entire run)					

25.2. Pore Water

stored as esfen-agdrift-onion-air-7apben.out
Chemical: esfenAgDRIFT

PRZM environment: CAonion_WirrigSTD.txt modified Tuesday, 29 May 2007
at 12:43:34
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
15:33:30
Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20
Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.003788 0.002293	0.003786	0.003778	0.003708	0.003616
1962	0.006538 0.004885	0.006535	0.006515	0.006421	0.00629
1963	0.008481 0.006708	0.008476	0.008438	0.008291	0.008142
1964	0.009845 0.007935	0.00984	0.009808	0.00963	0.009442
1965	0.01066 0.008763	0.01066	0.01061	0.01045	0.01026
1966	0.01139 0.009404	0.01138	0.01133	0.01111	0.01091
1967	0.01187 0.009708	0.01186	0.01181	0.01159	0.01137
1968	0.01171 0.009637	0.0117	0.01164	0.0114	0.01117
1969	0.01179 0.009655	0.01178	0.01171	0.01149	0.01127
1970	0.0116 0.009497	0.01159	0.01154	0.01133	0.0111
1971	0.01181 0.009672	0.0118	0.01172	0.01153	0.0113
1972	0.01189 0.009904	0.01188	0.01179	0.01168	0.01147
1973	0.01213 0.009996	0.01212	0.01205	0.01181	0.01157
1974	0.01196 0.00987	0.01195	0.01188	0.01165	0.01142
1975	0.01211 0.009996	0.0121	0.01203	0.01182	0.01159
1976	0.01198 0.009872	0.01197	0.0119	0.01166	0.01143
1977	0.01189 0.009837	0.01188	0.01183	0.01159	0.01135
1978	0.01238 0.01019	0.01237	0.01231	0.01208	0.01185
1979	0.01207 0.009938	0.01206	0.01198	0.01176	0.01153
1980	0.01186 0.009803	0.01185	0.0118	0.01159	0.01138
1981	0.01182 0.00967	0.01181	0.01174	0.01149	0.01125
1982	0.01165 0.009572	0.01164	0.01158	0.01136	0.01113
1983	0.01182 0.009899	0.01181	0.01176	0.01156	0.01136
1984	0.01221 0.01008	0.0122	0.01212	0.0119	0.01167

1985	0.01213 0.01007	0.01212	0.01206	0.0118	0.01156
1986	0.01223 0.01017	0.01222	0.01215	0.01191	0.0117
1987	0.01239 0.01037	0.01238	0.0123	0.01205	0.01184
1988	0.01257 0.01047	0.01256	0.01254	0.01235	0.01211
1989	0.0124 0.01039	0.01239	0.01235	0.01215	0.01193
1990	0.01248 0.01036	0.01247	0.01242	0.01219	0.01195

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01211	0.01257 0.01047	0.01256	0.01254	0.01235
0.0645161290322581	0.01195	0.01248 0.01039	0.01247	0.01242	0.01219
0.0967741935483871	0.01193	0.0124 0.01037	0.01239	0.01235	0.01215
0.129032258064516	0.01185	0.01239 0.01036	0.01238	0.01231	0.01208
0.161290322580645	0.01184	0.01238 0.01019	0.01237	0.0123	0.01205
0.193548387096774	0.0117	0.01223 0.01017	0.01222	0.01215	0.01191
0.225806451612903	0.01167	0.01221 0.01008	0.0122	0.01212	0.0119
0.258064516129032	0.01159	0.01213 0.01007	0.01212	0.01206	0.01182
0.290322580645161	0.01157	0.01213 0.009996	0.01212	0.01205	0.01181
0.32258064516129	0.01156	0.01211 0.009996	0.0121	0.01203	0.0118
0.354838709677419	0.01153	0.01207 0.009938	0.01206	0.01198	0.01176
0.387096774193548	0.01147	0.01198 0.009904	0.01197	0.0119	0.01168
0.419354838709677	0.01143	0.01196 0.009899	0.01195	0.01188	0.01166
0.451612903225806	0.01142	0.01189 0.009872	0.01188	0.01183	0.01165
0.483870967741936	0.01138	0.01189 0.00987	0.01188	0.01181	0.01159
0.516129032258065	0.01137	0.01187 0.009837	0.01186	0.0118	0.01159
0.548387096774194	0.01136	0.01186 0.009803	0.01185	0.01179	0.01159
0.580645161290323	0.01135	0.01182 0.009708	0.01181	0.01176	0.01156
0.612903225806452	0.0113	0.01182 0.009672	0.01181	0.01174	0.01153
0.645161290322581	0.01127	0.01181 0.00967	0.0118	0.01172	0.01149

0.67741935483871	0.01179	0.01178	0.01171	0.01149
0.01125	0.009655			
0.709677419354839	0.01171	0.0117	0.01164	0.0114
0.01117	0.009637			
0.741935483870968	0.01165	0.01164	0.01158	0.01136
0.01113	0.009572			
0.774193548387097	0.0116	0.01159	0.01154	0.01133
0.0111	0.009497			
0.806451612903226	0.01139	0.01138	0.01133	0.01111
0.01091	0.009404			
0.838709677419355	0.01066	0.01066	0.01061	0.01045
0.01026	0.008763			
0.870967741935484	0.009845	0.00984	0.009808	0.00963
0.009442	0.007935			
0.903225806451613	0.008481	0.008476	0.008438	0.008291
0.008142	0.006708			
0.935483870967742	0.006538	0.006535	0.006515	0.006421
0.00629	0.004885			
0.967741935483871	0.003788	0.003786	0.003778	0.003708
0.003616	0.002293			
0.1	0.012399	0.012389	0.012346	0.012143
	0.010369			

Average of yearly

averages: 0.009287133333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-onion-air-7ap

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm

Interval 1	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

26. CAonion_WirrigSTD: Radish. April 1, 7 Applications, Ground.

26.1. Water Column

stored as esfen-agdrift-onion-grd-7ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAonion_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:43:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01575 0.001217	0.004946	0.003181	0.002511	0.002254
1962	0.01645 0.002673	0.006267	0.004699	0.004094	0.003864
1963	0.01803 0.003628	0.007373	0.005794	0.005103	0.004834
1964	0.01907 0.004186	0.008266	0.006468	0.005783	0.005514
1965	0.01849 0.004673	0.00865	0.00688	0.006232	0.005968
1966	0.01865 0.005252	0.009066	0.007499	0.006905	0.006592
1967	0.0204 0.00538	0.009261	0.007716	0.007154	0.006799

1968	0.01982 0.0053	0.008889	0.00757	0.006972	0.006722
1969	0.02019 0.005227	0.009318	0.00761	0.00699	0.006688
1970	0.01884 0.005224	0.008869	0.007442	0.006941	0.006638
1971	0.02292 0.005643	0.01262	0.00823	0.007526	0.007184
1972	0.0365 0.006089	0.0144	0.008709	0.007996	0.007635
1973	0.01995 0.006231	0.0104	0.008656	0.008107	0.007792
1974	0.03205 0.006192	0.01243	0.008261	0.0077	0.007411
1975	0.01984 0.00647	0.01058	0.008727	0.008303	0.008019
1976	0.0228 0.006044	0.01044	0.008657	0.007883	0.007553
1977	0.0415 0.00616	0.01514	0.008008	0.007454	0.007206
1978	0.05148 0.007537	0.02098	0.00994	0.00943	0.009158
1979	0.0204 0.006748	0.0111	0.009104	0.008609	0.008323
1980	0.01956 0.00611	0.009824	0.008379	0.007853	0.007527
1981	0.02042 0.005676	0.009772	0.008017	0.007383	0.007122
1982	0.02054 0.005563	0.009512	0.007878	0.007332	0.007024
1983	0.04012 0.006044	0.01474	0.007873	0.007276	0.006994
1984	0.01995 0.00611	0.01006	0.008474	0.007884	0.007559
1985	0.02008 0.005727	0.009713	0.008008	0.007403	0.007065
1986	0.01905 0.005595	0.009465	0.007835	0.007255	0.006961
1987	0.0259 0.006006	0.01067	0.008231	0.007511	0.007218
1988	0.02208 0.006304	0.01071	0.008739	0.008263	0.007928
1989	0.01957 0.006147	0.009836	0.008434	0.007922	0.007646
1990	0.02124 0.005932	0.01022	0.008537	0.007741	0.007445

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.009158	0.05148	0.02098	0.00994	0.00943
0.0645161290322581	0.008323	0.0415	0.01514	0.009104	0.008609
0.0967741935483871	0.008019	0.04012	0.01474	0.008739	0.008303
		0.00647			

0.129032258064516	0.0365	0.0144	0.008727	0.008263
0.007928	0.006304			
0.161290322580645	0.03205	0.01262	0.008709	0.008107
0.007792	0.006231			
0.193548387096774	0.0259	0.01243	0.008657	0.007996
0.007646	0.006192			
0.225806451612903	0.02292	0.0111	0.008656	0.007922
0.007635	0.00616			
0.258064516129032	0.0228	0.01071	0.008537	0.007884
0.007559	0.006147			
0.290322580645161	0.02208	0.01067	0.008474	0.007883
0.007553	0.00611			
0.32258064516129	0.02124	0.01058	0.008434	0.007853
0.007527	0.00611			
0.354838709677419	0.02054	0.01044	0.008379	0.007741
0.007445	0.006089			
0.387096774193548	0.02042	0.0104	0.008261	0.0077
0.007411	0.006044			
0.419354838709677	0.0204	0.01022	0.008231	0.007526
0.007218	0.006044			
0.451612903225806	0.0204	0.01006	0.00823	0.007511
0.007206	0.006006			
0.483870967741936	0.02019	0.009836	0.008017	0.007454
0.007184	0.005932			
0.516129032258065	0.02008	0.009824	0.008008	0.007403
0.007122	0.005727			
0.548387096774194	0.01995	0.009772	0.008008	0.007383
0.007065	0.005676			
0.580645161290323	0.01995	0.009713	0.007878	0.007332
0.007024	0.005643			
0.612903225806452	0.01984	0.009512	0.007873	0.007276
0.006994	0.005595			
0.645161290322581	0.01982	0.009465	0.007835	0.007255
0.006961	0.005563			
0.67741935483871	0.01957	0.009318	0.007716	0.007154
0.006799	0.00538			
0.709677419354839	0.01956	0.009261	0.00761	0.00699
0.006722	0.0053			
0.741935483870968	0.01907	0.009066	0.00757	0.006972
0.006688	0.005252			
0.774193548387097	0.01905	0.008889	0.007499	0.006941
0.006638	0.005227			
0.806451612903226	0.01884	0.008869	0.007442	0.006905
0.006592	0.005224			
0.838709677419355	0.01865	0.00865	0.00688	0.006232
0.005968	0.004673			
0.870967741935484	0.01849	0.008266	0.006468	0.005783
0.005514	0.004186			
0.903225806451613	0.01803	0.007373	0.005794	0.005103
0.004834	0.003628			
0.935483870967742	0.01645	0.006267	0.004699	0.004094
0.003864	0.002673			
0.967741935483871	0.01575	0.004946	0.003181	0.002511
0.002254	0.001217			
0.1	0.039758	0.014706	0.0087378	0.008299
0.0064534				0.0080099

averages: 0.005502933333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-onion-grd-7ap

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		

Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

26.2. Pore Water

stored as esfen-agdrift-onion-grd-7apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAonion_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:43:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0005517 0.0003281	0.000551	0.0005443	0.0005281	0.0005162
1962	0.001128 0.0008315	0.001127	0.001115	0.001085	0.001063
1963	0.001455 0.001178	0.001453	0.001442	0.001417	0.001397
1964	0.001695 0.001386	0.001693	0.001681	0.00165	0.001621
1965	0.001859 0.001543	0.001857	0.001844	0.00181	0.001782
1966	0.002063 0.001756	0.00206	0.002048	0.002016	0.001984
1967	0.002138 0.001816	0.002136	0.00213	0.0021	0.002063
1968	0.002104 0.001783	0.002101	0.002085	0.002047	0.002013
1969	0.002095 0.001761	0.002093	0.002082	0.002047	0.002011
1970	0.002099 0.001737	0.002096	0.002079	0.002027	0.001987
1971	0.002312 0.001892	0.002309	0.002298	0.002248	0.002191
1972	0.002505 0.002033	0.002502	0.002484	0.002402	0.002341
1973	0.002488 0.002108	0.002485	0.00246	0.002415	0.002374
1974	0.002359 0.002059	0.002356	0.002335	0.002291	0.002253
1975	0.002585 0.002203	0.002582	0.002557	0.002504	0.002464
1976	0.002397 0.00205	0.002395	0.002383	0.002344	0.002303
1977	0.00231 0.002044	0.002307	0.002274	0.002221	0.002184
1978	0.00297 0.002532	0.002968	0.002947	0.002901	0.002857
1979	0.002682 0.002301	0.002679	0.002654	0.002603	0.002562
1980	0.002393 0.002084	0.002391	0.002382	0.002357	0.002324

1981	0.002252 0.001916	0.002248	0.00223	0.002189	0.002152
1982	0.0022 0.001868	0.002197	0.002185	0.002149	0.002112
1983	0.002281 0.002011	0.002278	0.002248	0.002181	0.002145
1984	0.002402 0.002085	0.002399	0.002392	0.002361	0.002324
1985	0.002223 0.00194	0.00222	0.00221	0.002185	0.002149
1986	0.002195 0.001899	0.002192	0.002179	0.002151	0.002119
1987	0.00228 0.002005	0.002277	0.00226	0.002234	0.002203
1988	0.002553 0.002132	0.00255	0.002531	0.00248	0.002432
1989	0.002448 0.002083	0.002445	0.002426	0.002379	0.00234
1990	0.002364 0.002012	0.002362	0.002345	0.002312	0.002273

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.002857	0.00297	0.002968	0.002947	0.002901
0.0645161290322581	0.002562	0.002532	0.002679	0.002654	0.002603
0.0967741935483871	0.002464	0.002682	0.002582	0.002557	0.002504
0.129032258064516	0.002432	0.002585	0.00255	0.002531	0.00248
0.161290322580645	0.002374	0.002505	0.002502	0.002531	0.00248
0.193548387096774	0.002341	0.002505	0.002502	0.002484	0.002415
0.225806451612903	0.00234	0.002488	0.002485	0.00246	0.002402
0.258064516129032	0.002324	0.002405	0.002445	0.002426	0.002379
0.290322580645161	0.002324	0.002448	0.002445	0.002426	0.002379
0.32258064516129	0.002303	0.002402	0.002399	0.002392	0.002361
0.354838709677419	0.002273	0.002402	0.002399	0.002392	0.002361
0.387096774193548	0.002253	0.002397	0.002395	0.002383	0.002357
0.419354838709677	0.002203	0.002393	0.002391	0.002382	0.002344
0.451612903225806	0.002191	0.002393	0.002391	0.002382	0.002344
0.483870967741936	0.002184	0.002364	0.002362	0.002345	0.002312
0.516129032258065	0.002152	0.002359	0.002362	0.002345	0.002312
		0.002359	0.002356	0.002335	0.002291
		0.002312	0.002309	0.002298	0.002248
		0.002312	0.002307	0.002274	0.002234
		0.00231	0.002307	0.002274	0.002234
		0.002281	0.002278	0.00226	0.002221
		0.00228	0.002277	0.002248	0.002189
		0.00228	0.002277	0.002248	0.002189

0.548387096774194	0.002252	0.002248	0.00223	0.002185
0.002149	0.001916			
0.580645161290323	0.002223	0.00222	0.00221	0.002181
0.002145	0.001899			
0.612903225806452	0.0022	0.002197	0.002185	0.002151
0.002119	0.001892			
0.645161290322581	0.002195	0.002192	0.002179	0.002149
0.002112	0.001868			
0.67741935483871	0.002138	0.002136	0.00213	0.0021
0.002063	0.001816			
0.709677419354839	0.002104	0.002101	0.002085	0.002047
0.002013	0.001783			
0.741935483870968	0.002099	0.002096	0.002082	0.002047
0.002011	0.001761			
0.774193548387097	0.002095	0.002093	0.002079	0.002027
0.001987	0.001756			
0.806451612903226	0.002063	0.00206	0.002048	0.002016
0.001984	0.001737			
0.838709677419355	0.001859	0.001857	0.001844	0.00181
0.001782	0.001543			
0.870967741935484	0.001695	0.001693	0.001681	0.00165
0.001621	0.001386			
0.903225806451613	0.001455	0.001453	0.001442	0.001417
0.001397	0.001178			
0.935483870967742	0.001128	0.001127	0.001115	0.001085
0.001063	0.0008315			
0.967741935483871	0.0005517	0.000551	0.0005443	0.0005281
0.0005162	0.0003281			
0.1	0.0025818	0.0025788	0.0025544	0.0025016
	0.0021959			

Average of yearly

averages: 0.0018458866666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-onion-grd-7ap

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days	Half-life	
Method:	CAM	1	integer	See PRZM manual	

Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.99	fraction
Spray Drift	DRFT	0.007	fraction of application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1	interval	7	days
single app.			Set to 0 or delete line for
app. rate 1	apprate		kg/ha
Interval 2	interval	7	days
single app.			Set to 0 or delete line for
app. rate 2	apprate		kg/ha
Interval 3	interval	7	days
single app.			Set to 0 or delete line for
app. rate 3	apprate		kg/ha
Interval 4	interval	7	days
single app.			Set to 0 or delete line for
app. rate 4	apprate		kg/ha
Interval 5	interval	7	days
single app.			Set to 0 or delete line for
app. rate 5	apprate		kg/ha
Interval 6	interval	7	days
single app.			Set to 0 or delete line for
app. rate 6	apprate		kg/ha
Record 17:	FILTRA		
	IPSCND	1	
	UPTKF		
Record 18:	PLVKRT		
	PLDKRT		
	FEXTRC	0.5	
Flag for Index Res. Run	IR		EPA Pond
Flag for runoff calc.	RUNOFF		none
total(average of entire run)			none, monthly or

27. CAPotatoRLF: White/Irish Potato, Turnip. March 1, 10 Applications, Aerial.

27.1. Water Column

stored as esfen-agdrift-potato-air-10ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1312 0.01283	0.0438	0.0301	0.02624	0.02269
1962	0.1414 0.0223	0.05398	0.04043	0.03675	0.03314
1963	0.1495 0.02963	0.06792	0.04956	0.04455	0.04093
1964	0.1559 0.03468	0.06865	0.05514	0.05055	0.04694

1965	0.1584 0.03803	0.07089	0.0576	0.0542	0.05053
1966	0.1606 0.03965	0.07288	0.0594	0.05619	0.05244
1967	0.162 0.0411	0.07445	0.06096	0.05747	0.05424
1968	0.1618 0.04082	0.07429	0.06086	0.05765	0.05406
1969	0.1623 0.04068	0.07461	0.06116	0.05792	0.05413
1970	0.1624 0.03984	0.07417	0.06036	0.05694	0.05326
1971	0.1609 0.04033	0.07328	0.06062	0.05646	0.05342
1972	0.162 0.04096	0.07449	0.06092	0.05747	0.05387
1973	0.1629 0.04111	0.07522	0.06178	0.05873	0.05479
1974	0.1625 0.04075	0.07497	0.06124	0.05793	0.05415
1975	0.1654 0.04081	0.07464	0.06119	0.05777	0.05406
1976	0.1624 0.04067	0.07435	0.06108	0.05751	0.05391
1977	0.1617 0.04152	0.07447	0.06083	0.0577	0.05505
1978	0.1618 0.04042	0.07433	0.06083	0.05756	0.05376
1979	0.1611 0.03984	0.07369	0.0602	0.05692	0.05315
1980	0.1607 0.03987	0.07329	0.05977	0.05643	0.0527
1981	0.1627 0.03999	0.07422	0.0607	0.05742	0.05363
1982	0.1611 0.03972	0.07351	0.06008	0.05665	0.05293
1983	0.1637 0.04063	0.07466	0.06075	0.05738	0.05358
1984	0.1624 0.04111	0.07606	0.0623	0.0581	0.05433
1985	0.1625 0.04153	0.07541	0.06177	0.05829	0.05456
1986	0.1631 0.04214	0.07553	0.06206	0.05887	0.05517
1987	0.1634 0.04267	0.07577	0.06232	0.05922	0.05547
1988	0.1775 0.04318	0.07809	0.0642	0.05998	0.05652
1989	0.1641 0.04434	0.07656	0.06313	0.06043	0.05746
1990	0.1665 0.04423	0.07815	0.0645	0.06126	0.0577

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
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0.032258064516129	0.1775	0.07815	0.0645	0.06126
0.0577	0.04434			
0.0645161290322581	0.1665	0.07809	0.0642	0.06043
0.05746	0.04423			
0.0967741935483871	0.1654	0.07656	0.06313	0.05998
0.05652	0.04318			
0.129032258064516	0.1641	0.07606	0.06232	0.05922
0.05547	0.04267			
0.161290322580645	0.1637	0.07577	0.0623	0.05887
0.05517	0.04214			
0.193548387096774	0.1634	0.07553	0.06206	0.05873
0.05505	0.04153			
0.225806451612903	0.1631	0.07541	0.06178	0.05829
0.05479	0.04152			
0.258064516129032	0.1629	0.07522	0.06177	0.0581
0.05456	0.04111			
0.290322580645161	0.1627	0.07497	0.06124	0.05793
0.05433	0.04111			
0.32258064516129	0.1625	0.07466	0.06119	0.05792
0.05424	0.0411			
0.354838709677419	0.1625	0.07464	0.06116	0.05777
0.05415	0.04096			
0.387096774193548	0.1624	0.07461	0.06108	0.0577
0.05413	0.04082			
0.419354838709677	0.1624	0.07449	0.06096	0.05765
0.05406	0.04081			
0.451612903225806	0.1624	0.07447	0.06092	0.05756
0.05406	0.04075			
0.483870967741936	0.1623	0.07445	0.06086	0.05751
0.05391	0.04068			
0.516129032258065	0.162	0.07435	0.06083	0.05747
0.05387	0.04067			
0.548387096774194	0.162	0.07433	0.06083	0.05747
0.05376	0.04063			
0.580645161290323	0.1618	0.07429	0.06075	0.05742
0.05363	0.04042			
0.612903225806452	0.1618	0.07422	0.0607	0.05738
0.05358	0.04033			
0.645161290322581	0.1617	0.07417	0.06062	0.05694
0.05342	0.03999			
0.67741935483871	0.1611	0.07369	0.06036	0.05692
0.05326	0.03987			
0.709677419354839	0.1611	0.07351	0.0602	0.05665
0.05315	0.03984			
0.741935483870968	0.1609	0.07329	0.06008	0.05646
0.05293	0.03984			
0.774193548387097	0.1607	0.07328	0.05977	0.05643
0.0527	0.03972			
0.806451612903226	0.1606	0.07288	0.0594	0.05619
0.05244	0.03965			
0.838709677419355	0.1584	0.07089	0.0576	0.0542
0.05053	0.03803			
0.870967741935484	0.1559	0.06865	0.05514	0.05055
0.04694	0.03468			
0.903225806451613	0.1495	0.06792	0.04956	0.04455
0.04093	0.02963			

0.935483870967742	0.1414	0.05398	0.04043	0.03675
0.03314	0.0223			
0.967741935483871	0.1312	0.0438	0.0301	0.02624
0.02269	0.01283			

0.1	0.16527	0.07651	0.063049	0.059904	0.056415
	0.043129				

Average of yearly

averages: 0.038846

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-potato-air-10ap

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate	kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate	kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate	kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate	kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate	kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.

app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

27.2. Pore Water

stored as esfen-agdrift-potato-air-10apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.005312 0.003443	0.005308	0.005274	0.005162	0.005044
1962	0.008988 0.006847	0.008984	0.008927	0.008752	0.008586
1963	0.0118 0.00944	0.01179	0.01172	0.01155	0.01136
1964	0.01386 0.01128	0.01385	0.01378	0.01356	0.01334
1965	0.01504 0.01248	0.01503	0.01496	0.01473	0.01452
1966	0.01576 0.01308	0.01575	0.01563	0.01535	0.01511
1967	0.01642 0.01358	0.01641	0.01635	0.01612	0.01587
1968	0.01629 0.0135	0.01627	0.01619	0.0159	0.01564
1969	0.01641 0.01347	0.01639	0.01624	0.01594	0.01569
1970	0.01608 0.01315	0.01607	0.01594	0.01564	0.01538
1971	0.01601 0.0133	0.016	0.01594	0.01575	0.0155
1972	0.01624 0.01353	0.01623	0.01613	0.01588	0.01563

1973	0.01662 0.0136	0.0166	0.01644	0.01611	0.01582
1974	0.01635 0.01344	0.01634	0.01622	0.01591	0.01565
1975	0.01639 0.0135	0.01638	0.01625	0.01596	0.0157
1976	0.01627 0.01345	0.01626	0.01615	0.01585	0.01559
1977	0.01678 0.01367	0.01676	0.01667	0.0163	0.01601
1978	0.01629 0.01337	0.01628	0.01613	0.01583	0.01556
1979	0.01604 0.01315	0.01603	0.01589	0.01558	0.01532
1980	0.01591 0.01318	0.0159	0.01579	0.01552	0.01529
1981	0.01616 0.0132	0.01615	0.01603	0.01572	0.01544
1982	0.01593 0.0131	0.01592	0.01579	0.01549	0.01524
1983	0.01626 0.01344	0.01624	0.01611	0.01582	0.01558
1984	0.01651 0.01361	0.01649	0.01636	0.01607	0.01581
1985	0.01653 0.01376	0.01652	0.01641	0.01612	0.01585
1986	0.01674 0.01398	0.01673	0.01661	0.01633	0.01608
1987	0.01682 0.01415	0.0168	0.01668	0.0164	0.01616
1988	0.01714 0.01432	0.01713	0.01706	0.01684	0.01658
1989	0.0176 0.01468	0.01759	0.0175	0.01717	0.01689
1990	0.01756 0.01473	0.01754	0.01748	0.01719	0.01693

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01693	0.0176	0.01759	0.0175	0.01719
0.0645161290322581	0.01689	0.01473	0.01754	0.01748	0.01717
0.0967741935483871	0.01658	0.01756	0.01713	0.01706	0.01684
0.129032258064516	0.01616	0.01468	0.01714	0.01706	0.01684
0.161290322580645	0.01608	0.01432	0.01682	0.01668	0.0164
0.193548387096774	0.01601	0.01415	0.0168	0.01668	0.0164
0.225806451612903	0.01587	0.01678	0.01676	0.01667	0.01633
0.258064516129032	0.01585	0.01674	0.01673	0.01661	0.0163
		0.01398	0.01661	0.01661	0.0163
		0.01376	0.0166	0.01644	0.01612
		0.01367	0.01652	0.01641	0.01612
		0.01361			

0.290322580645161	0.01651	0.01649	0.01636	0.01611
0.01582	0.0136			
0.32258064516129	0.01642	0.01641	0.01635	0.01607
0.01581	0.01358			
0.354838709677419	0.01641	0.01639	0.01625	0.01596
0.0157	0.01353			
0.387096774193548	0.01639	0.01638	0.01624	0.01594
0.01569	0.0135			
0.419354838709677	0.01635	0.01634	0.01622	0.01591
0.01565	0.0135			
0.451612903225806	0.01629	0.01628	0.01619	0.0159
0.01564	0.01347			
0.483870967741936	0.01629	0.01627	0.01615	0.01588
0.01563	0.01345			
0.516129032258065	0.01627	0.01626	0.01613	0.01585
0.01559	0.01344			
0.548387096774194	0.01626	0.01624	0.01613	0.01583
0.01558	0.01344			
0.580645161290323	0.01624	0.01623	0.01611	0.01582
0.01556	0.01337			
0.612903225806452	0.01616	0.01615	0.01603	0.01575
0.0155	0.0133			
0.645161290322581	0.01608	0.01607	0.01594	0.01572
0.01544	0.0132			
0.67741935483871	0.01604	0.01603	0.01594	0.01564
0.01538	0.01318			
0.709677419354839	0.01601	0.016	0.01589	0.01558
0.01532	0.01315			
0.741935483870968	0.01593	0.01592	0.01579	0.01552
0.01529	0.01315			
0.774193548387097	0.01591	0.0159	0.01579	0.01549
0.01524	0.0131			
0.806451612903226	0.01576	0.01575	0.01563	0.01535
0.01511	0.01308			
0.838709677419355	0.01504	0.01503	0.01496	0.01473
0.01452	0.01248			
0.870967741935484	0.01386	0.01385	0.01378	0.01356
0.01334	0.01128			
0.903225806451613	0.0118	0.01179	0.01172	0.01155
0.01136	0.00944			
0.935483870967742	0.008988	0.008984	0.008927	0.008752
0.008586	0.006847			
0.967741935483871	0.005312	0.005308	0.005274	0.005162
0.005044	0.003443			
0.1	0.017108	0.017097	0.017022	0.016796
0.014303				

Average of yearly

averages: 0.012781

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-potato-air-10ap

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name:	esfenAgDRIFT			
Description Variable Name	Value	Units	Comments	
Molecular weight mwt	419.9	g/mol		
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol		
Vapor Pressure vapr	4.5E-7	torr		
Solubility sol	0.006	mg/L		
Kd Kd	mg/L			
Koc Koc	251717	mg/L		
Photolysis half-life kdp	9	days	Half-life	
Aerobic Aquatic Metabolism Halfife	kbacw	276	days	
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days	
Aerobic Soil Metabolism asm	138	days	Halfife	
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth: DEPI	4	cm		
Application Rate: TAPP	0.06	kg/ha		
Application Efficiency: APPEFF	0.95	fraction		
Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date Date	01-03	dd/mm or dd/mmm or dd-mm or dd-mmm		
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		
Interval 9 interval	7	days	Set to 0 or delete line for single app.	
app. rate 9 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run IR	EPA Pond			

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

28. CAPotatoRLF: White/Irish Potato, Turnip. March 1, 7 Applications, Aerial.

28.1. Water Column

stored as esfen-agdrift-potato-air-7ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at
12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1269 0.009224	0.03942	0.02574	0.0205	0.01707
1962	0.1341 0.01578	0.04665	0.03302	0.02781	0.0243
1963	0.139 0.02088	0.05159	0.03795	0.03318	0.02974
1964	0.1433 0.02442	0.05582	0.04221	0.03744	0.03395
1965	0.1461 0.02679	0.05863	0.04526	0.0401	0.03651
1966	0.1476 0.02786	0.06011	0.04656	0.04146	0.03776
1967	0.1484 0.02881	0.06101	0.04738	0.04226	0.03894
1968	0.1485 0.0286	0.06103	0.04758	0.04242	0.0388
1969	0.1487 0.02849	0.06124	0.04767	0.04255	0.03883
1970	0.148 0.0279	0.06063	0.04696	0.04185	0.03822
1971	0.1477 0.0282	0.06035	0.04666	0.04153	0.03829
1972	0.1483 0.0286	0.0608	0.04723	0.04215	0.03858
1973	0.1489 0.02881	0.06464	0.0486	0.04314	0.03934
1974	0.1508 0.02858	0.06112	0.04755	0.04259	0.03892
1975	0.1554 0.02861	0.06286	0.04779	0.04246	0.03882
1976	0.1484 0.0285	0.06094	0.04736	0.04227	0.03869
1977	0.1484 0.02898	0.06086	0.04732	0.04225	0.03939
1978	0.1483 0.02823	0.06088	0.04736	0.04222	0.03849
1979	0.1479 0.02786	0.06048	0.0469	0.0418	0.0381

1980	0.1476 0.0279	0.06017	0.04659	0.0415	0.0378
1981	0.1483 0.02806	0.06077	0.04734	0.04226	0.03856
1982	0.1478 0.02787	0.06033	0.04677	0.04169	0.03806
1983	0.1482 0.02855	0.06302	0.04762	0.04224	0.03857
1984	0.1486 0.02891	0.06117	0.04758	0.04276	0.03911
1985	0.149 0.02918	0.06151	0.04796	0.04286	0.03923
1986	0.1494 0.02958	0.06192	0.04834	0.0433	0.03963
1987	0.1496 0.02989	0.06215	0.04862	0.04352	0.0398
1988	0.1498 0.03022	0.06233	0.0488	0.04397	0.0405
1989	0.1498 0.03086	0.06234	0.04881	0.04376	0.04097
1990	0.1508 0.03077	0.0633	0.04977	0.04469	0.0411

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.0411	0.1554	0.06464	0.04977	0.04469
0.0645161290322581	0.04097	0.1508	0.0633	0.04881	0.04397
0.0967741935483871	0.0405	0.1508	0.06302	0.0488	0.04376
0.129032258064516	0.0398	0.1498	0.06286	0.04862	0.04352
0.161290322580645	0.03963	0.1498	0.06234	0.0486	0.0433
0.193548387096774	0.03939	0.1496	0.06233	0.04834	0.04314
0.225806451612903	0.03934	0.1494	0.06215	0.04796	0.04286
0.258064516129032	0.03923	0.149	0.06192	0.04779	0.04276
0.290322580645161	0.03911	0.1489	0.06151	0.04767	0.04259
0.32258064516129	0.03894	0.1487	0.06124	0.04762	0.04255
0.354838709677419	0.03892	0.1486	0.06117	0.04758	0.04246
0.387096774193548	0.03883	0.1485	0.06112	0.04758	0.04242
0.419354838709677	0.03882	0.1484	0.06103	0.04755	0.04227
0.451612903225806	0.0388	0.1484	0.06101	0.04738	0.04226
0.483870967741936	0.03869	0.1484	0.06094	0.04736	0.04226

0.516129032258065	0.1483	0.06088	0.04736	0.04225
0.03858	0.0285			
0.548387096774194	0.1483	0.06086	0.04734	0.04224
0.03857	0.02849			
0.580645161290323	0.1483	0.0608	0.04732	0.04222
0.03856	0.02823			
0.612903225806452	0.1482	0.06077	0.04723	0.04215
0.03849	0.0282			
0.645161290322581	0.148	0.06063	0.04696	0.04185
0.03829	0.02806			
0.67741935483871	0.1479	0.06048	0.0469	0.0418
0.03822	0.0279			
0.709677419354839	0.1478	0.06035	0.04677	0.04169
0.0381	0.0279			
0.741935483870968	0.1477	0.06033	0.04666	0.04153
0.03806	0.02787			
0.774193548387097	0.1476	0.06017	0.04659	0.0415
0.0378	0.02786			
0.806451612903226	0.1476	0.06011	0.04656	0.04146
0.03776	0.02786			
0.838709677419355	0.1461	0.05863	0.04526	0.0401
0.03651	0.02679			
0.870967741935484	0.1433	0.05582	0.04221	0.03744
0.03395	0.02442			
0.903225806451613	0.139	0.05159	0.03795	0.03318
0.02974	0.02088			
0.935483870967742	0.1341	0.04665	0.03302	0.02781
0.0243	0.01578			
0.967741935483871	0.1269	0.03942	0.02574	0.0205
0.01707	0.009224			
0.1	0.1507	0.063004	0.048782	0.043736
	0.030187			0.04043

Average of yearly

averages: 0.0272304666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-potato-air-7ap

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR		EPA Pond	
Flag for runoff calc. RUNOFF		none	none, monthly or
total(average of entire run)			

28.2. Pore Water

stored as esfen-agdrift-potato-air-7apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.003757 0.002498	0.003754	0.003731	0.003667	0.003597
1962	0.006357 0.004853	0.006353	0.006308	0.006198	0.006095
1963	0.008249 0.006658	0.008244	0.00819	0.008112	0.008009

1964	0.009722 0.007942	0.009716	0.009683	0.009572	0.00944
1965	0.01066 0.008791	0.01066	0.0106	0.01043	0.0103
1966	0.0112 0.009197	0.01119	0.01111	0.0109	0.01073
1967	0.01152 0.009525	0.01152	0.01147	0.01134	0.01121
1968	0.01153 0.009464	0.01152	0.01144	0.01125	0.01108
1969	0.0116 0.009433	0.01159	0.01152	0.01129	0.01111
1970	0.01135 0.009215	0.01134	0.01128	0.01107	0.01089
1971	0.01123 0.009301	0.01123	0.01116	0.01105	0.01092
1972	0.01144 0.009451	0.01144	0.01137	0.01118	0.01102
1973	0.01178 0.009528	0.01177	0.01169	0.01143	0.01123
1974	0.01156 0.009432	0.01155	0.01148	0.01128	0.0111
1975	0.01158 0.009464	0.01157	0.01151	0.0113	0.01112
1976	0.0115 0.009427	0.01149	0.01143	0.01122	0.01104
1977	0.01157 0.009551	0.01156	0.01149	0.01138	0.01124
1978	0.01147 0.009342	0.01147	0.0114	0.01118	0.01099
1979	0.01133 0.009197	0.01132	0.01125	0.01102	0.01084
1980	0.01122 0.009221	0.01121	0.01114	0.01095	0.0108
1981	0.01144 0.00926	0.01143	0.01136	0.01116	0.01097
1982	0.01128 0.009192	0.01127	0.0112	0.01099	0.01081
1983	0.01148 0.009443	0.01148	0.01142	0.01121	0.01105
1984	0.01163 0.009572	0.01163	0.01158	0.01139	0.01122
1985	0.0117 0.009673	0.01169	0.01162	0.01143	0.01126
1986	0.01185 0.009817	0.01184	0.01177	0.01157	0.0114
1987	0.01193 0.009913	0.01192	0.01184	0.01162	0.01145
1988	0.01205 0.01003	0.01204	0.01199	0.01184	0.0117
1989	0.01211 0.01022	0.0121	0.01203	0.01192	0.0118
1990	0.01234 0.01025	0.01233	0.01225	0.01207	0.0119

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.0119	0.01234	0.01233	0.01225	0.01207
0.0645161290322581	0.0118	0.01211	0.0121	0.01203	0.01192
0.0967741935483871	0.0117	0.01205	0.01204	0.01199	0.01184
0.129032258064516	0.01145	0.01193	0.01192	0.01184	0.01162
0.161290322580645	0.0114	0.01185	0.01184	0.01177	0.01157
0.193548387096774	0.01126	0.01178	0.01177	0.01169	0.01143
0.225806451612903	0.01124	0.0117	0.01169	0.01162	0.01143
0.258064516129032	0.01123	0.01163	0.01163	0.01158	0.01139
0.290322580645161	0.01122	0.0116	0.01159	0.01152	0.01138
0.32258064516129	0.01121	0.01158	0.01157	0.01151	0.01134
0.354838709677419	0.01112	0.01157	0.01156	0.01149	0.0113
0.387096774193548	0.01111	0.01156	0.01155	0.01148	0.01129
0.419354838709677	0.0111	0.01153	0.01152	0.01147	0.01128
0.451612903225806	0.01108	0.01152	0.01152	0.01144	0.01125
0.483870967741936	0.01105	0.0115	0.01149	0.01143	0.01122
0.516129032258065	0.01104	0.01148	0.01148	0.01142	0.01121
0.548387096774194	0.01102	0.01147	0.01147	0.0114	0.01118
0.580645161290323	0.01099	0.01144	0.01144	0.01137	0.01118
0.612903225806452	0.01097	0.01144	0.01143	0.01136	0.01116
0.645161290322581	0.01092	0.01135	0.01134	0.01128	0.01107
0.67741935483871	0.01089	0.01133	0.01132	0.01125	0.01105
0.709677419354839	0.01084	0.01128	0.01127	0.0112	0.01102
0.741935483870968	0.01081	0.01123	0.01123	0.01116	0.01099
0.774193548387097	0.0108	0.01122	0.01121	0.01114	0.01095
0.806451612903226	0.01073	0.0112	0.01119	0.01111	0.0109
0.838709677419355	0.0103	0.01066	0.01066	0.0106	0.01043
0.870967741935484	0.00944	0.009722	0.009716	0.009683	0.009572
		0.007942			

0.903225806451613	0.008249	0.008244	0.00819	0.008112
0.008009	0.006658			
0.935483870967742	0.006357	0.006353	0.006308	0.006198
0.006095	0.004853			
0.967741935483871	0.003757	0.003754	0.003731	0.003667
0.003597	0.002498			
0.1	0.012038	0.012028	0.011975	0.011818
	0.0100183			0.011675
				Average of yearly
averages:	0.008962			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-potato-air-7ap

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	

Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

29. CAPotatoRLF: White/Irish Potato, Turnip. March 1, 10 Applications, Ground.

29.1. Water Column

stored as esfen-agdrift-potato-grd-10ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01458 0.001503	0.004921	0.003359	0.00292	0.002551
1962	0.01596 0.002786	0.006246	0.00478	0.004327	0.003975
1963	0.04111 0.004319	0.0153	0.007687	0.006221	0.005792
1964	0.0267 0.005409	0.01257	0.008715	0.007352	0.007001
1965	0.02166 0.006149	0.01079	0.008471	0.008096	0.007849
1966	0.01968 0.006111	0.009771	0.00825	0.007887	0.007566
1967	0.02762 0.006573	0.01213	0.009319	0.008464	0.0082
1968	0.01981 0.006464	0.01006	0.008605	0.00832	0.008072
1969	0.0198 0.006172	0.009984	0.008489	0.008149	0.007799
1970	0.02037 0.005868	0.009987	0.008134	0.007662	0.007445
1971	0.02925 0.006283	0.01301	0.009183	0.008276	0.007932
1972	0.02762 0.00657	0.0123	0.008618	0.008372	0.008145
1973	0.02325 0.006651	0.01334	0.009716	0.008923	0.008483
1974	0.0296 0.006606	0.01174	0.008954	0.008541	0.008208

1975	0.0273 0.00672	0.01189	0.009146	0.008607	0.00839
1976	0.02035 0.006466	0.01032	0.008847	0.008284	0.008093
1977	0.08986 0.007435	0.02982	0.01315	0.01022	0.009556
1978	0.02047 0.006866	0.0108	0.009273	0.008958	0.008562
1979	0.01975 0.006357	0.01014	0.008608	0.008231	0.007934
1980	0.01954 0.006084	0.009901	0.00838	0.008002	0.007643
1981	0.0223 0.00607	0.01208	0.008628	0.008211	0.007864
1982	0.0196 0.006004	0.009871	0.008329	0.007808	0.007549
1983	0.02177 0.006168	0.01186	0.008991	0.008231	0.007814
1984	0.02582 0.006209	0.01351	0.009448	0.008185	0.007864
1985	0.01959 0.006148	0.01028	0.008614	0.007966	0.007659
1986	0.02242 0.006173	0.009766	0.008276	0.008012	0.007722
1987	0.02104 0.006362	0.009763	0.008224	0.007892	0.007687
1988	0.03661 0.006968	0.01429	0.01003	0.009181	0.008762
1989	0.09872 0.008229	0.03253	0.01458	0.01129	0.01051
1990	0.02263 0.007982	0.01202	0.01048	0.01001	0.009748

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01051	0.09872 0.008229	0.03253	0.01458	0.01129
0.0645161290322581	0.009748	0.08986 0.007982	0.02982	0.01315	0.01022
0.0967741935483871	0.009556	0.04111 0.007435	0.0153	0.01048	0.01001
0.129032258064516	0.008762	0.03661 0.006968	0.01429	0.01003	0.009181
0.161290322580645	0.008562	0.0296 0.006866	0.01351	0.009716	0.008958
0.193548387096774	0.008483	0.02925 0.00672	0.01334	0.009448	0.008923
0.225806451612903	0.00839	0.02762 0.006651	0.01301	0.009319	0.008607
0.258064516129032	0.008208	0.02762 0.006606	0.01257	0.009273	0.008541
0.290322580645161	0.0082	0.0273 0.006573	0.0123	0.009183	0.008464
0.32258064516129	0.008145	0.0267 0.00657	0.01213	0.009146	0.008372

0.354838709677419	0.02582	0.01208	0.008991	0.00832
0.008093	0.006466			
0.387096774193548	0.02325	0.01202	0.008954	0.008284
0.008072	0.006464			
0.419354838709677	0.02263	0.01189	0.008847	0.008276
0.007934	0.006362			
0.451612903225806	0.02242	0.01186	0.008715	0.008231
0.007932	0.006357			
0.483870967741936	0.0223	0.01174	0.008628	0.008231
0.007864	0.006283			
0.516129032258065	0.02177	0.0108	0.008618	0.008211
0.007864	0.006209			
0.548387096774194	0.02166	0.01079	0.008614	0.008185
0.007849	0.006173			
0.580645161290323	0.02104	0.01032	0.008608	0.008149
0.007814	0.006172			
0.612903225806452	0.02047	0.01028	0.008605	0.008096
0.007799	0.006168			
0.645161290322581	0.02037	0.01014	0.008489	0.008012
0.007722	0.006149			
0.67741935483871	0.02035	0.01006	0.008471	0.008002
0.007687	0.006148			
0.709677419354839	0.01981	0.009987	0.00838	0.007966
0.007659	0.006111			
0.741935483870968	0.0198	0.009984	0.008329	0.007892
0.007643	0.006084			
0.774193548387097	0.01975	0.009901	0.008276	0.007887
0.007566	0.00607			
0.806451612903226	0.01968	0.009871	0.00825	0.007808
0.007549	0.006004			
0.838709677419355	0.0196	0.009771	0.008224	0.007662
0.007445	0.005868			
0.870967741935484	0.01959	0.009766	0.008134	0.007352
0.007001	0.005409			
0.903225806451613	0.01954	0.009763	0.007687	0.006221
0.005792	0.004319			
0.935483870967742	0.01596	0.006246	0.00478	0.004327
0.003975	0.002786			
0.967741935483871	0.01458	0.004921	0.003359	0.00292
0.002551	0.001503			

0.1	0.04066	0.015199	0.010435	0.0099271	0.0094766
0.0073883					

Average of yearly

averages: 0.0061235

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-potato-grd-10ap

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight	419.9	g/mol	
Henry's Law Const.	1.4E-12	atm-m ³ /mol	

Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.007	fraction of	application rate applied to
pond				
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or	
dd-mmm				
Interval 1 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 8 apprate		kg/ha		
Interval 9 interval	7	days		Set to 0 or delete line for
single app.				
app. rate 9 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none		none, monthly or
total(average of entire run)				

29.2. Pore Water

stored as esfen-agdrift-potato-grd-10apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0006109 0.0004043	0.00061	0.000604	0.0005967	0.0005879
1962	0.001094 0.0008566	0.001093	0.001091	0.001084	0.001067
1963	0.001759 0.001364	0.001758	0.001752	0.001715	0.001693
1964	0.002157 0.001768	0.002154	0.002148	0.002125	0.002096
1965	0.002403 0.002032	0.002402	0.002394	0.002374	0.002344
1966	0.002338 0.002039	0.002336	0.00233	0.002317	0.002291
1967	0.002617 0.002184	0.002615	0.002605	0.002577	0.002529
1968	0.002521 0.002164	0.00252	0.002512	0.002483	0.002446
1969	0.002423 0.002074	0.00242	0.002407	0.002392	0.002364
1970	0.002308 0.001954	0.002305	0.002292	0.002272	0.00224
1971	0.002558 0.002071	0.002556	0.002536	0.002473	0.002425
1972	0.002604 0.002181	0.002601	0.002571	0.002506	0.00247
1973	0.002639 0.002227	0.002636	0.002618	0.002594	0.002562
1974	0.002528 0.002184	0.002524	0.002518	0.002505	0.002473
1975	0.002625 0.002256	0.002622	0.002612	0.002592	0.002563
1976	0.002533 0.002166	0.00253	0.002522	0.002494	0.002458
1977	0.003122 0.002437	0.00312	0.003114	0.003049	0.002972
1978	0.002705 0.002328	0.002703	0.002684	0.002657	0.002628
1979	0.002466 0.002131	0.002464	0.00245	0.002438	0.002412
1980	0.002375 0.002041	0.002374	0.002363	0.002341	0.002315
1981	0.002412 0.002018	0.00241	0.002396	0.002376	0.002341
1982	0.002325 0.00199	0.002323	0.002316	0.002299	0.002267

1983	0.002442 0.002065	0.00244	0.002422	0.002397	0.002369
1984	0.002443 0.00207	0.002441	0.002436	0.002425	0.002394
1985	0.002389 0.002057	0.002386	0.00238	0.00236	0.002326
1986	0.002383 0.002067	0.002382	0.002378	0.002361	0.002334
1987	0.002425 0.002109	0.002422	0.002399	0.002361	0.002342
1988	0.002788 0.002316	0.002786	0.00277	0.002723	0.002679
1989	0.003391 0.002709	0.003388	0.003379	0.003337	0.00327
1990	0.003122 0.002713	0.00312	0.003115	0.003075	0.003034

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.00327	0.003391	0.003388	0.003379	0.003337
0.0645161290322581	0.003034	0.003122	0.00312	0.003115	0.003075
0.0967741935483871	0.002972	0.003122	0.00312	0.003114	0.003049
0.129032258064516	0.002679	0.002788	0.002786	0.00277	0.002723
0.161290322580645	0.002628	0.002705	0.002703	0.002684	0.002657
0.193548387096774	0.002563	0.002639	0.002636	0.002618	0.002594
0.225806451612903	0.002562	0.002625	0.002622	0.002612	0.002592
0.258064516129032	0.002529	0.002617	0.002615	0.002605	0.002577
0.290322580645161	0.002473	0.002604	0.002601	0.002571	0.002506
0.32258064516129	0.00247	0.002558	0.002556	0.002536	0.002505
0.354838709677419	0.002458	0.002533	0.00253	0.002522	0.002494
0.387096774193548	0.002446	0.002528	0.002524	0.002518	0.002483
0.419354838709677	0.002425	0.002521	0.00252	0.002512	0.002473
0.451612903225806	0.002412	0.002466	0.002464	0.00245	0.002438
0.483870967741936	0.002394	0.002443	0.002441	0.002436	0.002425
0.516129032258065	0.002369	0.002442	0.00244	0.002422	0.002397
0.548387096774194	0.002364	0.002425	0.002422	0.002407	0.002392
0.580645161290323	0.002344	0.002423	0.00242	0.002399	0.002376

0.612903225806452	0.002412	0.00241	0.002396	0.002374
0.002342	0.002065			
0.645161290322581	0.002403	0.002402	0.002394	0.002361
0.002341	0.002057			
0.67741935483871	0.002389	0.002386	0.00238	0.002361
0.002334	0.002041			
0.709677419354839	0.002383	0.002382	0.002378	0.00236
0.002326	0.002039			
0.741935483870968	0.002375	0.002374	0.002363	0.002341
0.002315	0.002032			
0.774193548387097	0.002338	0.002336	0.00233	0.002317
0.002291	0.002018			
0.806451612903226	0.002325	0.002323	0.002316	0.002299
0.002267	0.00199			
0.838709677419355	0.002308	0.002305	0.002292	0.002272
0.00224	0.001954			
0.870967741935484	0.002157	0.002154	0.002148	0.002125
0.002096	0.001768			
0.903225806451613	0.001759	0.001758	0.001752	0.001715
0.001693	0.001364			
0.935483870967742	0.001094	0.001093	0.001091	0.001084
0.001067	0.0008566			
0.967741935483871	0.0006109	0.00061	0.000604	0.0005967
0.0005879	0.0004043			
0.1	0.0030886	0.0030866	0.0030796	0.0030164
0.0024261				0.0029427

Average of yearly

averages: 0.00203253

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-potato-grd-10ap

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp	9	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	276	days	
Halfife					
Anaerobic Aquatic Metabolism		kbacs	462	days	
Halfife					
Aerobic Soil Metabolism	asm	138	days	Halfife	
Hydrolysis: pH 7	0	days	Half-life		
Method: CAM	1	integer	See PRZM manual		
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.06	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction		

Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date	Date	01-03	dd/mm or dd/mmm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

30. CARowCropRLF: Artichoke, Dried Type Beans, Succulent (Snap) Beans, Carrot, Lentils, Peas (Unspecified), Dried-Type Peas, Pepper. June 1, 3 Applications, Aerial.

30.1. Water Column

stored as esfen-agdrift-rowcrp-air.out

Chemical: esfenAgDRIFT

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				

1961	0.1209 0.003437	0.03349	0.01978	0.009808	0.007976	
1962	0.1265 0.008963	0.03903	0.02533	0.0153	0.01341	
1963	0.1309 0.01313	0.04347	0.0298	0.01969	0.01774	
1964	0.1333 0.01562	0.04587	0.03222	0.02206	0.02008	
1965	0.1348 0.01709	0.04741	0.03375	0.0236	0.02161	
1966	0.1361 0.01837	0.04863	0.03498	0.02479	0.02279	
1967	0.1396 0.02174	0.05219	0.03857	0.02832	0.02627	
1968	0.1395 0.02171	0.0521	0.03847	0.02822	0.02617	
1969	0.1406 0.02271	0.05312	0.03949	0.02923	0.02717	
1970	0.1406 0.02296	0.05316	0.03953	0.02927	0.02721	
1971	0.141 0.02308	0.05356	0.03993	0.02967	0.02761	
1972	0.1403 0.0226	0.05288	0.03925	0.02898	0.02691	
1973	0.1415 0.02399	0.05409	0.04047	0.03018	0.02811	
1974	0.1423 0.02437	0.05489	0.04127	0.03098	0.02889	
1975	0.1425 0.02451	0.05505	0.04142	0.03114	0.02907	
1976	0.1418 0.02384	0.05433	0.04072	0.03042	0.02833	
1977	0.1412 0.02339	0.05374	0.04011	0.02984	0.02777	
1978	0.1421 0.02424	0.05465	0.04102	0.03075	0.02868	
1979	0.1428	0.05539	0.04177	0.03146	0.02936	0.025
1980	0.1425 0.02462	0.05506	0.04144	0.03115	0.02908	
1981	0.1419 0.0243	0.05444	0.04084	0.03053	0.02845	
1982	0.1459 0.02832	0.05848	0.04486	0.03453	0.03242	
1983	0.146 0.02799	0.05851	0.0449	0.03454	0.03238	
1984	0.144 0.02624	0.05657	0.04295	0.03262	0.0305	
1985	0.1437 0.02582	0.05623	0.04263	0.03227	0.03015	
1986	0.1438 0.02592	0.05639	0.04278	0.03245	0.03036	
1987	0.143 0.02509	0.05555	0.04194	0.03162	0.02951	
1988	0.1418 0.02385	0.05432	0.04071	0.03039	0.02829	
1989	0.1408 0.02296	0.05331	0.03969	0.0294	0.02733	

1990	0.1404 0.02245	0.05295	0.03932	0.02904	0.02695
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Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.03242	0.146	0.05851	0.0449	0.03454
0.0645161290322581	0.03238	0.1459	0.05848	0.04486	0.03453
0.0967741935483871	0.0305	0.144	0.05657	0.04295	0.03262
0.129032258064516	0.03036	0.1438	0.05639	0.04278	0.03245
0.161290322580645	0.03015	0.1437	0.05623	0.04263	0.03227
0.193548387096774	0.02951	0.143	0.05555	0.04194	0.03162
0.225806451612903	0.02936	0.1428	0.05539	0.04177	0.03146
0.258064516129032	0.02908	0.1425	0.05506	0.04144	0.03115
0.290322580645161	0.02907	0.1425	0.05505	0.04142	0.03114
0.32258064516129	0.02889	0.1423	0.05489	0.04127	0.03098
0.354838709677419	0.02868	0.1421	0.05465	0.04102	0.03075
0.387096774193548	0.02845	0.1419	0.05444	0.04084	0.03053
0.419354838709677	0.02833	0.1418	0.05433	0.04072	0.03042
0.451612903225806	0.02829	0.1418	0.05432	0.04071	0.03039
0.483870967741936	0.02811	0.1415	0.05409	0.04047	0.03018
0.516129032258065	0.02777	0.1412	0.05374	0.04011	0.02984
0.548387096774194	0.02761	0.141	0.05356	0.03993	0.02967
0.580645161290323	0.02733	0.1408	0.05331	0.03969	0.0294
0.612903225806452	0.02721	0.1406	0.05316	0.03953	0.02927
0.645161290322581	0.02717	0.1406	0.05312	0.03949	0.02923
0.67741935483871	0.02695	0.1404	0.05295	0.03932	0.02904
0.709677419354839	0.02691	0.1403	0.05288	0.03925	0.02898
0.741935483870968	0.02627	0.1396	0.05219	0.03857	0.02832
0.774193548387097	0.02617	0.1395	0.0521	0.03847	0.02822
0.806451612903226	0.02279	0.1361	0.04863	0.03498	0.02479
		0.01837			

0.838709677419355	0.1348	0.04741	0.03375	0.0236
0.02161	0.01709			
0.870967741935484	0.1333	0.04587	0.03222	0.02206
0.02008	0.01562			
0.903225806451613	0.1309	0.04347	0.0298	0.01969
0.01774	0.01313			
0.935483870967742	0.1265	0.03903	0.02533	0.0153
0.01341	0.008963			
0.967741935483871	0.1209	0.03349	0.01978	0.009808
0.007976	0.003437			
0.1	0.14398	0.056552	0.042933	0.032603
	0.026208			

Average of yearly

averages: 0.0219436666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-rowcrp-air

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism kbacw	276	days	
Halfife			
Anaerobic Aquatic Metabolism kbacs	462	days	
Halfife			
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7 0	days	Half-life	
Method: CAM 2	integer	See PRZM manual	
Incorporation Depth: DEPI 4	cm		
Application Rate: TAPP 0.06	kg/ha		
Application Efficiency: APPEFF 0.95	fraction		
Spray Drift DRFT 0.063	fraction of application rate applied to pond		
Application Date Date	01-06	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval 7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate	kg/ha		
Interval 2 interval 7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate	kg/ha		
Record 17: FILTRA			
IPSCND 1			
UPTKF			
Record 18: PLVKRT			
PLDKRT			

FEXTRC	0.5		
Flag for Index Res. Run IR		EPA Pond	
Flag for runoff calc. RUNOFF		none	none, monthly or
total(average of entire run)			

30.2. Pore Water

stored as esfen-agdrift-rowcrp-airben.out

Chemical: esfenAgDRIFT

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.001627 0.0008686	0.001626	0.001616	0.001591	0.001571
1962	0.003617 0.002791	0.003615	0.003596	0.003547	0.003507
1963	0.005215 0.004303	0.005212	0.005186	0.00511	0.00505
1964	0.006077 0.005227	0.006074	0.006041	0.005951	0.005879
1965	0.00663 0.005776	0.006627	0.006595	0.006505	0.006431
1966	0.007068 0.006235	0.007064	0.007026	0.006928	0.006851
1967	0.008347 0.00736	0.008343	0.0083	0.008178	0.008085
1968	0.008317 0.007438	0.008312	0.008267	0.008148	0.008052
1969	0.008684 0.007771	0.008679	0.008632	0.008506	0.008411
1970	0.008698 0.00784	0.008694	0.008647	0.008519	0.008425
1971	0.008842 0.007951	0.008837	0.008791	0.008666	0.008565
1972	0.008598 0.007758	0.008593	0.008547	0.008414	0.008315
1973	0.009033 0.008181	0.009027	0.008975	0.008843	0.008748
1974	0.009321 0.008404	0.009316	0.009266	0.009128	0.009025
1975	0.009377 0.008429	0.009372	0.009323	0.00919	0.00909
1976	0.009119 0.008223	0.009114	0.009061	0.008925	0.008823
1977	0.008906 0.008038	0.008901	0.008854	0.008724	0.008624
1978	0.009235 0.008308	0.00923	0.009181	0.009052	0.008951
1979	0.009499 0.008566	0.009494	0.009442	0.009297	0.009191

1980	0.009382 0.008476	0.009377	0.009328	0.009193	0.009094
1981	0.00916 0.008333	0.009154	0.009099	0.008966	0.008868
1982	0.01061 0.009636	0.0106	0.01055	0.0104	0.01029
1983	0.01062 0.009662	0.01062	0.01056	0.01039	0.01027
1984	0.009926 0.009062	0.00992	0.009867	0.009709	0.009597
1985	0.009803 0.008905	0.009796	0.009736	0.00958	0.009471
1986	0.00986 0.00892	0.009854	0.009798	0.009653	0.009551
1987	0.009558 0.008651	0.009552	0.009498	0.009352	0.009244
1988	0.009116 0.008218	0.009111	0.009058	0.008911	0.008805
1989	0.008751 0.007902	0.008746	0.008695	0.008562	0.008463
1990	0.008621 0.00772	0.008616	0.008566	0.008429	0.008325

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01029	0.01062	0.01062	0.01056	0.0104
0.0645161290322581	0.01027	0.01061	0.0106	0.01055	0.01039
0.0967741935483871	0.009597	0.009926	0.00992	0.009867	0.009709
0.129032258064516	0.009551	0.00986	0.009854	0.009798	0.009653
0.161290322580645	0.009471	0.009803	0.009796	0.009736	0.00958
0.193548387096774	0.009244	0.009558	0.009552	0.009498	0.009352
0.225806451612903	0.009191	0.009499	0.009494	0.009442	0.009297
0.258064516129032	0.009094	0.009382	0.009377	0.009328	0.009193
0.290322580645161	0.00909	0.009377	0.009372	0.009323	0.00919
0.32258064516129	0.009025	0.009321	0.009316	0.009266	0.009128
0.354838709677419	0.008951	0.009235	0.00923	0.009181	0.009052
0.387096774193548	0.008868	0.00916	0.009154	0.009099	0.008966
0.419354838709677	0.008823	0.009119	0.009114	0.009061	0.008925
0.451612903225806	0.008805	0.009116	0.009111	0.009058	0.008911
0.483870967741936	0.008748	0.009033	0.009027	0.008975	0.008843
		0.008181			

0.516129032258065	0.008906	0.008901	0.008854	0.008724
0.008624	0.008038			
0.548387096774194	0.008842	0.008837	0.008791	0.008666
0.008565	0.007951			
0.580645161290323	0.008751	0.008746	0.008695	0.008562
0.008463	0.007902			
0.612903225806452	0.008698	0.008694	0.008647	0.008519
0.008425	0.00784			
0.645161290322581	0.008684	0.008679	0.008632	0.008506
0.008411	0.007771			
0.67741935483871	0.008621	0.008616	0.008566	0.008429
0.008325	0.007758			
0.709677419354839	0.008598	0.008593	0.008547	0.008414
0.008315	0.00772			
0.741935483870968	0.008347	0.008343	0.0083	0.008178
0.008085	0.007438			
0.774193548387097	0.008317	0.008312	0.008267	0.008148
0.008052	0.00736			
0.806451612903226	0.007068	0.007064	0.007026	0.006928
0.006851	0.006235			
0.838709677419355	0.00663	0.006627	0.006595	0.006505
0.006431	0.005776			
0.870967741935484	0.006077	0.006074	0.006041	0.005951
0.005879	0.005227			
0.903225806451613	0.005215	0.005212	0.005186	0.00511
0.00505	0.004303			
0.935483870967742	0.003617	0.003615	0.003596	0.003547
0.003507	0.002791			
0.967741935483871	0.001627	0.001626	0.001616	0.001591
0.001571	0.0008686			
0.1	0.0099194	0.0099134	0.0098601	0.0097034
	0.0090478			

Average of yearly

averages: 0.00749842

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-rowcrp-air

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
	Halfife				
Anaerobic Aquatic Metabolism			kbacs	462	days
	Halfife				
Aerobic Soil Metabolism	asm		138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-06	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

31. CARowCropRLF: Artichoke, Dried Type Beans, Succulent (Snap) Beans, Carrot, Lentils, Peas (Unspecified), Dried-Type Peas, Pepper. June 1, 3 Applications, Ground.

31.1. Water Column

stored as esfen-agdrift-rowcrp-grd.out

Chemical: esfenAgDRIFT

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01357 0.0004664	0.004224	0.002197	0.00109	0.0008862
1962	0.03385 0.002955	0.009779	0.005341	0.003599	0.003348
1963	0.02629 0.00474	0.0119	0.0067	0.005528	0.00537
1964	0.03808 0.005382	0.01351	0.007223	0.006035	0.00577
1965	0.01843 0.005307	0.008708	0.007203	0.006028	0.005769
1966	0.01841 0.00536	0.008692	0.007189	0.006008	0.00575
1967	0.08641 0.007938	0.02778	0.01206	0.009131	0.008935
1968	0.02042 0.007264	0.01077	0.009201	0.007989	0.00772

1969	0.02173 0.007711	0.01208	0.009662	0.008449	0.00827	
1970	0.03405 0.00767	0.01625	0.009422	0.008206	0.008007	
1971	0.0206 0.007391	0.01088	0.009386	0.008175	0.007926	
1972	0.02171 0.006581	0.01105	0.008362	0.00716	0.006881	
1973	0.04091 0.007812	0.01627	0.009647	0.008481	0.008046	
1974	0.02128 0.008034	0.01156	0.01007	0.008841	0.00873	
1975	0.03639 0.007959	0.01536	0.01003	0.008813	0.0089	
1976	0.0203 0.007096	0.01057	0.009082	0.007865	0.007598	
1977	0.02227 0.006607	0.01031	0.008448	0.007249	0.006971	
1978	0.02419 0.007593	0.01421	0.009552	0.008338	0.00811	
1979	0.04682 0.008371	0.01801	0.01039	0.009232	0.008931	
1980	0.02126 0.008063	0.01154	0.01004	0.008822	0.008605	
1981	0.0389 0.007703	0.01559	0.009403	0.008222	0.007955	
1982	0.1237 0.01181	0.03874	0.01597	0.01299	0.01265	
1983	0.0247 0.01151	0.01497	0.0135	0.01233	0.01218	
1984	0.02962	0.01456	0.01184	0.01058	0.01047	0.01
1985	0.03209 0.009564	0.01557	0.01151	0.0103	0.01012	
1986	0.02924 0.009672	0.01784	0.01181	0.01091	0.01054	
1987	0.0282 0.008846	0.01593	0.01084	0.00966	0.009429	
1988	0.02092 0.007701	0.01119	0.009705	0.008472	0.00831	
1989	0.01988 0.006761	0.01015	0.008657	0.007446	0.007176	
1990	0.01941 0.006211	0.009686	0.00819	0.006985	0.006713	
Sorted results						
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.01265	0.1237 0.01181	0.03874	0.01597	0.01299	
0.0645161290322581	0.01218	0.08641 0.01151	0.02778	0.0135	0.01233	
0.0967741935483871	0.01054	0.04682 0.01	0.01801	0.01206	0.01091	
0.129032258064516	0.01047	0.04091 0.009672	0.01784	0.01184	0.01058	
0.161290322580645	0.01012	0.0389 0.009564	0.01627	0.01181	0.0103	

0.193548387096774	0.03808	0.01625	0.01151	0.00966
0.009429	0.008846			
0.225806451612903	0.03639	0.01593	0.01084	0.009232
0.008935	0.008371			
0.258064516129032	0.03405	0.01559	0.01039	0.009131
0.008931	0.008063			
0.290322580645161	0.03385	0.01557	0.01007	0.008841
0.0089	0.008034			
0.32258064516129	0.03209	0.01536	0.01004	0.008822
0.00873	0.007959			
0.354838709677419	0.02962	0.01497	0.01003	0.008813
0.008605	0.007938			
0.387096774193548	0.02924	0.01456	0.009705	0.008481
0.00831	0.007812			
0.419354838709677	0.0282	0.01421	0.009662	0.008472
0.00827	0.007711			
0.451612903225806	0.02629	0.01351	0.009647	0.008449
0.00811	0.007703			
0.483870967741936	0.0247	0.01208	0.009552	0.008338
0.008046	0.007701			
0.516129032258065	0.02419	0.0119	0.009422	0.008222
0.008007	0.00767			
0.548387096774194	0.02227	0.01156	0.009403	0.008206
0.007955	0.007593			
0.580645161290323	0.02173	0.01154	0.009386	0.008175
0.007926	0.007391			
0.612903225806452	0.02171	0.01119	0.009201	0.007989
0.00772	0.007264			
0.645161290322581	0.02128	0.01105	0.009082	0.007865
0.007598	0.007096			
0.67741935483871	0.02126	0.01088	0.008657	0.007446
0.007176	0.006761			
0.709677419354839	0.02092	0.01077	0.008448	0.007249
0.006971	0.006607			
0.741935483870968	0.0206	0.01057	0.008362	0.00716
0.006881	0.006581			
0.774193548387097	0.02042	0.01031	0.00819	0.006985
0.006713	0.006211			
0.806451612903226	0.0203	0.01015	0.007223	0.006035
0.00577	0.005382			
0.838709677419355	0.01988	0.009779	0.007203	0.006028
0.005769	0.00536			
0.870967741935484	0.01941	0.009686	0.007189	0.006008
0.00575	0.005307			
0.903225806451613	0.01843	0.008708	0.0067	0.005528
0.00537	0.00474			
0.935483870967742	0.01841	0.008692	0.005341	0.003599
0.003348	0.002955			
0.967741935483871	0.01357	0.004224	0.002197	0.00109
0.0008862	0.0004664			
0.1	0.046229	0.017993	0.012038	0.010533
0.0099672				

Average of yearly

averages: 0.0073359466666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-rowcrp-grd

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date	01-06		dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days		Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days		Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none		none, monthly or
total(average of entire run)				

31.2. Pore Water

stored as esfen-agdrift-rowcrp-grdben.out

Chemical: esfenAgDRIFT

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0003285 0.0001105	0.0003284	0.0003273	0.0002539	0.0002238
1962	0.001164 0.0009354	0.001163	0.001157	0.001143	0.00112
1963	0.001794 0.001592	0.001793	0.001784	0.00176	0.001742
1964	0.001978 0.001849	0.001977	0.001966	0.00194	0.00192
1965	0.001974 0.001843	0.001973	0.001964	0.001939	0.00192
1966	0.001968 0.001859	0.001967	0.001957	0.001932	0.001913
1967	0.002943 0.002694	0.002942	0.002927	0.002892	0.002868
1968	0.002689 0.002546	0.002688	0.002673	0.002641	0.002618
1969	0.002855 0.002677	0.002853	0.002837	0.002813	0.0028
1970	0.002781 0.002642	0.00278	0.00277	0.002719	0.002697
1971	0.002756 0.002612	0.002755	0.00274	0.002708	0.002692
1972	0.002393 0.002299	0.002391	0.002382	0.002361	0.002345
1973	0.002915 0.002663	0.002914	0.002903	0.00275	0.002722
1974	0.003 0.00283	0.002999	0.002983	0.002948	0.002928
1975	0.002988 0.002776	0.002987	0.002971	0.002937	0.002918
1976	0.002646 0.002503	0.002644	0.002629	0.002596	0.002574
1977	0.00242 0.002305	0.002419	0.002406	0.002376	0.002361
1978	0.002815 0.00262	0.002814	0.002799	0.002767	0.002744
1979	0.003068 0.002886	0.003067	0.00305	0.003034	0.003022
1980	0.002992 0.002823	0.002991	0.002975	0.002941	0.00292
1981	0.002818 0.002666	0.002816	0.002805	0.002739	0.002713
1982	0.004226 0.003991	0.004224	0.004206	0.004164	0.004171
1983	0.00426 0.004035	0.004258	0.004246	0.004219	0.004212
1984	0.00379 0.003523	0.003785	0.003767	0.003726	0.003695
1985	0.003573 0.003361	0.003571	0.003558	0.003533	0.003514
1986	0.003605 0.003378	0.003603	0.003594	0.003572	0.00355
1987	0.00333 0.003109	0.003328	0.003315	0.003284	0.003263

1988	0.002868 0.002712	0.002866	0.002849	0.002814	0.002797
1989	0.002497 0.002378	0.002495	0.002484	0.002466	0.002457
1990	0.002326 0.002182	0.002325	0.002311	0.00228	0.002257

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.004212	0.00426	0.004258	0.004246	0.004219
0.0645161290322581	0.004171	0.004226	0.004224	0.004206	0.004164
0.0967741935483871	0.003695	0.00379	0.003785	0.003767	0.003726
0.129032258064516	0.00355	0.003605	0.003603	0.003594	0.003572
0.161290322580645	0.003514	0.003573	0.003571	0.003558	0.003533
0.193548387096774	0.003263	0.00333	0.003328	0.003315	0.003284
0.225806451612903	0.003022	0.003068	0.003067	0.00305	0.003034
0.258064516129032	0.002928	0.003	0.002999	0.002983	0.002948
0.290322580645161	0.00292	0.002992	0.002991	0.002975	0.002941
0.32258064516129	0.002918	0.002988	0.002987	0.002971	0.002937
0.354838709677419	0.002868	0.002943	0.002942	0.002927	0.002892
0.387096774193548	0.0028	0.002915	0.002914	0.002903	0.002814
0.419354838709677	0.002797	0.002868	0.002866	0.002849	0.002813
0.451612903225806	0.002744	0.002855	0.002853	0.002837	0.002767
0.483870967741936	0.002722	0.002818	0.002816	0.002805	0.00275
0.516129032258065	0.002713	0.002815	0.002814	0.002799	0.002739
0.548387096774194	0.002697	0.002781	0.00278	0.00277	0.002719
0.580645161290323	0.002692	0.002756	0.002755	0.00274	0.002708
0.612903225806452	0.002618	0.002689	0.002688	0.002673	0.002641
0.645161290322581	0.002574	0.002646	0.002644	0.002629	0.002596
0.67741935483871	0.002457	0.002497	0.002495	0.002484	0.002466
0.709677419354839	0.002361	0.00242	0.002419	0.002406	0.002376
0.741935483870968	0.002345	0.002393	0.002391	0.002382	0.002361

0.774193548387097	0.002326	0.002325	0.002311	0.00228
0.002257	0.002182			
0.806451612903226	0.001978	0.001977	0.001966	0.00194
0.00192	0.001859			
0.838709677419355	0.001974	0.001973	0.001964	0.001939
0.00192	0.001849			
0.870967741935484	0.001968	0.001967	0.001957	0.001932
0.001913	0.001843			
0.903225806451613	0.001794	0.001793	0.001784	0.00176
0.001742	0.001592			
0.935483870967742	0.001164	0.001163	0.001157	0.001143
0.00112	0.0009354			
0.967741935483871	0.0003285	0.0003284	0.0003273	0.0002539
0.0002238	0.0001105			
0.1	0.0037715	0.0037668	0.0037497	0.0037106
0.0035085				0.0036805

Average of yearly

averages: 0.0025466633333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-rowcrp-grd

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of	application rate applied to pond	
Application Date	Date	01-06	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		

Record 17: FILTRA

IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

32. CAsugarbeet_WirrigOP: At Plant Application to Sugarbeet. September 1, 1 Application, Ground.

32.1. Water Column

stored as esfen-agdrift-sgrbt-plant.out

Chemical: esfenAgDRIFT

PRZM environment: CAsugarbeet_WirrigOP.txt modified Thuday, 14 June 2007
at 10:21:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.024 0.0002341	0.006202	0.001443	0.0007172	0.0006529
1962	0.02515 0.001418	0.00808	0.002784	0.001893	0.00172
1963	0.02595 0.002282	0.008145	0.003363	0.002598	0.002542
1964	0.02577 0.002186	0.007964	0.003187	0.002555	0.002473
1965	0.02625 0.002601	0.008445	0.00375	0.003067	0.002912
1966	0.02596 0.002465	0.009581	0.004213	0.002965	0.002692
1967	0.02675 0.003144	0.008939	0.004147	0.003476	0.003378
1968	0.02627 0.00283	0.008467	0.003684	0.003297	0.003157
1969	0.05786 0.006369	0.01907	0.01069	0.008382	0.007895
1970	0.02906 0.005932	0.01277	0.00791	0.006998	0.006767
1971	0.02847 0.005063	0.01066	0.005851	0.005482	0.005451
1972	0.0275 0.004166	0.009693	0.004948	0.004503	0.004462
1973	0.02745 0.003986	0.00964	0.004845	0.004513	0.004405
1974	0.02699 0.003553	0.009178	0.004382	0.00391	0.003854
1975	0.02668 0.003102	0.008869	0.004079	0.003359	0.003329
1976	0.02761 0.003389	0.009593	0.005081	0.00409	0.003886

1977	0.02643 0.002928	0.008623	0.003856	0.003143	0.003112
1978	0.02748 0.004009	0.009898	0.005082	0.004728	0.004573
1979	0.02687 0.00334	0.009051	0.004254	0.003772	0.003713
1980	0.02727 0.003766	0.009808	0.005396	0.004523	0.004326
1981	0.02685 0.003359	0.009043	0.004434	0.003932	0.003827
1982	0.02671 0.003369	0.009082	0.004647	0.004033	0.003722
1983	0.0342 0.005472	0.01277	0.008247	0.006612	0.006284
1984	0.02759 0.004219	0.009767	0.004957	0.004754	0.004711
1985	0.02682 0.003384	0.009016	0.004222	0.003707	0.003676
1986	0.03825 0.003884	0.01263	0.005386	0.004621	0.004426
1987	0.02746 0.003947	0.009645	0.004845	0.004352	0.004333
1988	0.02684 0.003298	0.009026	0.004233	0.003545	0.003475
1989	0.02665 0.003069	0.008843	0.004075	0.003395	0.003323
1990	0.02676 0.003156	0.008954	0.004162	0.003518	0.003377

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.007895	0.05786	0.01907	0.01069	0.008382
0.0645161290322581	0.006767	0.03825	0.01277	0.008247	0.006998
0.0967741935483871	0.006284	0.0342	0.01277	0.00791	0.006612
0.129032258064516	0.005451	0.02906	0.01263	0.005851	0.005482
0.161290322580645	0.004711	0.02847	0.01066	0.005396	0.004754
0.193548387096774	0.004573	0.02761	0.009898	0.005386	0.004728
0.225806451612903	0.004462	0.02759	0.009808	0.005082	0.004621
0.258064516129032	0.004426	0.0275	0.009767	0.005081	0.004523
0.290322580645161	0.004405	0.02748	0.009693	0.004957	0.004513
0.32258064516129	0.004333	0.02746	0.009645	0.004948	0.004503
0.354838709677419	0.004326	0.02745	0.00964	0.004845	0.004352
0.387096774193548	0.003886	0.02727	0.009593	0.004845	0.00409

0.419354838709677	0.02699	0.009581	0.004647	0.004033
0.003854	0.003389			
0.451612903225806	0.02687	0.009178	0.004434	0.003932
0.003827	0.003384			
0.483870967741936	0.02685	0.009082	0.004382	0.00391
0.003722	0.003369			
0.516129032258065	0.02684	0.009051	0.004254	0.003772
0.003713	0.003359			
0.548387096774194	0.02682	0.009043	0.004233	0.003707
0.003676	0.00334			
0.580645161290323	0.02676	0.009026	0.004222	0.003545
0.003475	0.003298			
0.612903225806452	0.02675	0.009016	0.004213	0.003518
0.003378	0.003156			
0.645161290322581	0.02671	0.008954	0.004162	0.003476
0.003377	0.003144			
0.67741935483871	0.02668	0.008939	0.004147	0.003395
0.003329	0.003102			
0.709677419354839	0.02665	0.008869	0.004079	0.003359
0.003323	0.003069			
0.741935483870968	0.02643	0.008843	0.004075	0.003297
0.003157	0.002928			
0.774193548387097	0.02627	0.008623	0.003856	0.003143
0.003112	0.00283			
0.806451612903226	0.02625	0.008467	0.00375	0.003067
0.002912	0.002601			
0.838709677419355	0.02596	0.008445	0.003684	0.002965
0.002692	0.002465			
0.870967741935484	0.02595	0.008145	0.003363	0.002598
0.002542	0.002282			
0.903225806451613	0.02577	0.00808	0.003187	0.002555
0.002473	0.002186			
0.935483870967742	0.02515	0.007964	0.002784	0.001893
0.00172	0.001418			
0.967741935483871	0.024	0.006202	0.001443	0.0007172
0.0006529	0.0002341			
0.1	0.033686	0.012756	0.0077041	0.006499
0.0054311				0.0062007

Average of yearly

averages: 0.0034640033333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-sgrbt-plant

Metfile: w93193.dvf

PRZM scenario: CAsugarbeet_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		

Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-09	dd/mm or dd/mmm or dd-mm or dd-mmm	
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

32.2. Pore Water

stored as esfen-agdrift-sgrbt-plantben.out

Chemical: esfenAgDRIFT

PRZM environment: CASugarbeet_WirrigOP.txt modified Thuday, 14 June 2007 at 10:21:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.0002285	0.0002284	0.0002278	0.0001764	0.0001529	4.7e-
005						
1962	0.0005205	0.0005199	0.0005151	0.0005075	0.0005026	
	0.0004549					
1963	0.0008319	0.0008315	0.0008261	0.0008151	0.0008049	
	0.0007482					
1964	0.0008134	0.0008131	0.000802	0.0007969	0.0007913	
	0.0007483					
1965	0.0009805	0.00098	0.0009766	0.0009688	0.0009574	
	0.0008832					
1966	0.001037	0.001036	0.001033	0.0009009	0.0008948	
	0.0008321					
1967	0.001208	0.001208	0.001202	0.001178	0.001158	
	0.001079					
1968	0.0011	0.0011	0.00109	0.001063	0.001015	
	0.0009638					
1969	0.002442	0.002441	0.002428	0.002419	0.002404	
	0.002115					

1970	0.002302 0.00204	0.002301	0.002291	0.002264	0.00226
1971	0.002001 0.001787	0.001999	0.001992	0.001974	0.00196
1972	0.001635 0.001454	0.001633	0.001628	0.001617	0.001604
1973	0.001549 0.001388	0.001549	0.001542	0.001539	0.001528
1974	0.001369 0.001231	0.001369	0.001364	0.001352	0.001344
1975	0.001211 0.001088	0.001211	0.001208	0.001199	0.001191
1976	0.001303 0.001157	0.001302	0.001297	0.001284	0.001272
1977	0.001133 0.001006	0.001133	0.00113	0.00112	0.001111
1978	0.001538 0.001358	0.001538	0.00153	0.001512	0.001495
1979	0.001322 0.001169	0.001322	0.001318	0.001311	0.001304
1980	0.001473 0.001281	0.001472	0.001466	0.001452	0.001438
1981	0.001312 0.001163	0.001312	0.001309	0.001301	0.001295
1982	0.001415 0.001121	0.001415	0.001311	0.001212	0.001159
1983	0.002085 0.001851	0.002083	0.002066	0.002026	0.002024
1984	0.001729 0.001485	0.001727	0.00172	0.001706	0.001693
1985	0.001344 0.001182	0.001343	0.001339	0.00133	0.001321
1986	0.001489 0.001295	0.001488	0.00148	0.001459	0.001447
1987	0.001534 0.001382	0.001534	0.00153	0.00152	0.001517
1988	0.001249 0.001141	0.001249	0.001241	0.00122	0.001211
1989	0.001185 0.001067	0.001184	0.001176	0.001156	0.001148
1990	0.001169 0.001079	0.001168	0.001156	0.001143	0.001133

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.002442	0.002441	0.002428	0.002419	
0.002404	0.002115				
0.0645161290322581	0.002302	0.002301	0.002291	0.002264	
0.00226	0.00204				
0.0967741935483871	0.002085	0.002083	0.002066	0.002026	
0.002024	0.001851				
0.129032258064516	0.002001	0.001999	0.001992	0.001974	
0.00196	0.001787				
0.161290322580645	0.001729	0.001727	0.00172	0.001706	
0.001693	0.001485				

0.193548387096774	0.001635	0.001633	0.001628	0.001617
0.001604	0.001454			
0.225806451612903	0.001549	0.001549	0.001542	0.001539
0.001528	0.001388			
0.258064516129032	0.001538	0.001538	0.00153	0.00152
0.001517	0.001382			
0.290322580645161	0.001534	0.001534	0.00153	0.001512
0.001495	0.001358			
0.32258064516129	0.001489	0.001488	0.00148	0.001459
0.001447	0.001295			
0.354838709677419	0.001473	0.001472	0.001466	0.001452
0.001438	0.001281			
0.387096774193548	0.001415	0.001415	0.001364	0.001352
0.001344	0.001231			
0.419354838709677	0.001369	0.001369	0.001339	0.00133
0.001321	0.001182			
0.451612903225806	0.001344	0.001343	0.001318	0.001311
0.001304	0.001169			
0.483870967741936	0.001322	0.001322	0.001311	0.001301
0.001295	0.001163			
0.516129032258065	0.001312	0.001312	0.001309	0.001284
0.001272	0.001157			
0.548387096774194	0.001303	0.001302	0.001297	0.00122
0.001211	0.001141			
0.580645161290323	0.001249	0.001249	0.001241	0.001212
0.001191	0.001121			
0.612903225806452	0.001211	0.001211	0.001208	0.001199
0.001159	0.001088			
0.645161290322581	0.001208	0.001208	0.001202	0.001178
0.001158	0.001079			
0.67741935483871	0.001185	0.001184	0.001176	0.001156
0.001148	0.001079			
0.709677419354839	0.001169	0.001168	0.001156	0.001143
0.001133	0.001067			
0.741935483870968	0.001133	0.001133	0.00113	0.00112
0.001111	0.001006			
0.774193548387097	0.0011	0.0011	0.00109	0.001063
0.001015	0.0009638			
0.806451612903226	0.001037	0.001036	0.001033	0.0009688
0.0009574	0.0008832			
0.838709677419355	0.0009805	0.00098	0.0009766	0.0009009
0.0008948	0.0008321			
0.870967741935484	0.0008319	0.0008315	0.0008261	0.0008151
0.0008049	0.0007483			
0.903225806451613	0.0008134	0.0008131	0.000802	0.0007969
0.0007913	0.0007482			
0.935483870967742	0.0005205	0.0005199	0.0005151	0.0005075
0.0005026	0.0004549			
0.967741935483871	0.0002285	0.0002284	0.0002278	0.0001764
0.0001529	4.7e-005			
0.1	0.0020766	0.0020746	0.0020586	0.0020176
0.0018446				

Average of yearly

averages: 0.00118655

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-sgrbt-plant

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.11	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date	01-09		dd/mm or dd/mm or dd-mm or dd-mmm
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none		none, monthly or
total(average of entire run)				

33. CASugarbeet_WirrigOP: Sugarbeet. September 1, 3 Applications, Ground.

33.1. Water Column

stored as esfen-agdrift-sgrbt-grd.out

Chemical: esfenAgDRIFT

PRZM environment: CASugarbeet_WirrigOP.txt modified Thuday, 14 June 2007 at 10:21:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01343	0.003782	0.002195	0.001203	0.001085
	0.0003789				
1962	0.03992	0.01369	0.004707	0.003198	0.002904
	0.002376				

1963	0.02531 0.003833	0.009709	0.005434	0.004303	0.004274
1964	0.01999 0.003666	0.00774	0.005131	0.004215	0.004103
1965	0.04018 0.004365	0.01345	0.006326	0.00517	0.004907
1966	0.03494 0.004132	0.01621	0.007106	0.00499	0.004526
1967	0.0232 0.005281	0.01036	0.006752	0.005859	0.005692
1968	0.02672 0.004748	0.01035	0.006077	0.00555	0.005259
1969	0.09807 0.01075	0.0323	0.0181	0.01418	0.01335
1970	0.04802 0.01001	0.02161	0.01337	0.01183	0.01144
1971	0.02084 0.008533	0.01136	0.009638	0.009256	0.009205
1972	0.02319 0.007012	0.01317	0.008348	0.007596	0.007526
1973	0.02524 0.006706	0.01173	0.008152	0.007612	0.00743
1974	0.02036 0.005973	0.009856	0.007148	0.006589	0.006494
1975	0.01785 0.005208	0.00812	0.006633	0.005656	0.005606
1976	0.04677 0.005693	0.01622	0.008575	0.006895	0.00655
1977	0.03152 0.00491	0.0115	0.006495	0.005286	0.005234
1978	0.03387 0.00673	0.01615	0.008577	0.007976	0.007714
1979	0.01812 0.005586	0.008388	0.00691	0.006326	0.006227
1980	0.04614 0.006319	0.01658	0.009095	0.007613	0.00728
1981	0.03041 0.005635	0.01218	0.007467	0.006618	0.006439
1982	0.04169 0.005655	0.01535	0.007834	0.006792	0.006265
1983	0.05795 0.009222	0.02161	0.01394	0.01117	0.01061
1984	0.01933 0.007101	0.009587	0.008124	0.008019	0.007947
1985	0.01809 0.005688	0.008366	0.006877	0.006247	0.006196
1986	0.06481 0.006535	0.02137	0.009094	0.007801	0.007469
1987	0.01914 0.006642	0.0097	0.007935	0.007341	0.00731
1988	0.01811 0.005542	0.008381	0.006898	0.005976	0.005856
1989	0.01781 0.005154	0.008239	0.006629	0.005721	0.005599
1990	0.03082 0.005301	0.01344	0.006967	0.005927	0.005689

Sorted results					
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01335	0.09807	0.0323	0.0181	0.01418
0.0645161290322581	0.01144	0.06481	0.02161	0.01394	0.01183
0.0967741935483871	0.01061	0.05795	0.02161	0.01337	0.01117
0.129032258064516	0.009205	0.04802	0.02137	0.009638	0.009256
0.161290322580645	0.007947	0.04677	0.01658	0.009095	0.008019
0.193548387096774	0.007714	0.04614	0.01622	0.009094	0.007976
0.225806451612903	0.007526	0.04169	0.01621	0.008577	0.007801
0.258064516129032	0.007469	0.04018	0.01615	0.008575	0.007613
0.290322580645161	0.00743	0.03992	0.01535	0.008348	0.007612
0.32258064516129	0.00731	0.03494	0.01369	0.008152	0.007596
0.354838709677419	0.00728	0.03387	0.01345	0.008124	0.007341
0.387096774193548	0.00655	0.03152	0.01344	0.007935	0.006895
0.419354838709677	0.006494	0.03082	0.01317	0.007834	0.006792
0.451612903225806	0.006439	0.03041	0.01218	0.007467	0.006618
0.483870967741936	0.006265	0.02672	0.01173	0.007148	0.006589
0.516129032258065	0.006227	0.02531	0.0115	0.007106	0.006326
0.548387096774194	0.006196	0.02524	0.01136	0.006967	0.006247
0.580645161290323	0.005856	0.0232	0.01036	0.00691	0.005976
0.612903225806452	0.005692	0.02319	0.01035	0.006898	0.005927
0.645161290322581	0.005689	0.02084	0.009856	0.006877	0.005859
0.67741935483871	0.005606	0.02036	0.009709	0.006752	0.005721
0.709677419354839	0.005599	0.01999	0.0097	0.006633	0.005656
0.741935483870968	0.005259	0.01933	0.009587	0.006629	0.00555
0.774193548387097	0.005234	0.01914	0.008388	0.006495	0.005286
0.806451612903226	0.004907	0.01812	0.008381	0.006326	0.00517
0.838709677419355	0.004526	0.01811	0.008366	0.006077	0.00499
0.870967741935484	0.004274	0.01809	0.008239	0.005434	0.004303

0.903225806451613	0.01785	0.00812	0.005131	0.004215
0.004103	0.003666			
0.935483870967742	0.01781	0.00774	0.004707	0.003198
0.002904	0.002376			
0.967741935483871	0.01343	0.003782	0.002195	0.001203
0.001085	0.0003789			
0.1	0.056957	0.021586	0.0129968	0.0109786
0.0091531				

Average of yearly

averages: 0.00582283

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-sgrbt-grd

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-09	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none	none, monthly or	
total(average of entire run)			

33.2. Pore Water

stored as esfen-agdrift-sgrbt-grdben.out

Chemical: esfenAgDRIFT

PRZM environment: CASugarbeet_WirrigOP.txt

modified Thuday, 14 June 2007

at 10:21:20

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0003829 7.459e-005	0.0003827	0.0003816	0.0002945	0.0002546
1962	0.0008666 0.0007623	0.0008664	0.0008634	0.0008561	0.0008478
1963	0.001403 0.001257	0.001403	0.001394	0.001375	0.001358
1964	0.001368 0.001255	0.001367	0.00135	0.001342	0.001332
1965	0.001651 0.001482	0.001651	0.001645	0.001632	0.001612
1966	0.001744 0.001395	0.001744	0.001738	0.001515	0.001504
1967	0.002036 0.001814	0.002035	0.002025	0.001986	0.001952
1968	0.001852 0.001618	0.001851	0.001834	0.001788	0.001706
1969	0.004128 0.003569	0.004126	0.004104	0.004089	0.004063
1970	0.00389 0.003441	0.003888	0.003871	0.003825	0.003818
1971	0.003379 0.003012	0.003376	0.003364	0.003334	0.003309
1972	0.002757 0.002448	0.002755	0.002747	0.002728	0.002706
1973	0.002613 0.002337	0.002612	0.002601	0.002595	0.002578
1974	0.002307 0.002069	0.002306	0.002298	0.002278	0.002264
1975	0.00204 0.001828	0.002039	0.002033	0.002018	0.002005
1976	0.002194 0.001943	0.002193	0.002185	0.002163	0.002142
1977	0.001906 0.001688	0.001905	0.0019	0.001883	0.001868
1978	0.002594 0.002281	0.002593	0.00258	0.002549	0.002521
1979	0.002217 0.001957	0.002216	0.002209	0.002198	0.002186
1980	0.002478 0.00215	0.002476	0.002466	0.002442	0.002419
1981	0.002207 0.001951	0.002206	0.002202	0.002187	0.002177

1982	0.002383 0.001881	0.002382	0.002207	0.002038	0.001949
1983	0.00352 0.003119	0.003517	0.003488	0.00342	0.003416
1984	0.002916 0.002501	0.002913	0.002901	0.002878	0.002856
1985	0.002266 0.001988	0.002264	0.002256	0.002241	0.002226
1986	0.002512 0.002179	0.002511	0.002497	0.00246	0.002441
1987	0.002588 0.002327	0.002587	0.00258	0.002564	0.00256
1988	0.002106 0.001919	0.002105	0.002092	0.002056	0.002041
1989	0.001996 0.001793	0.001995	0.001982	0.001948	0.001935
1990	0.00197 0.001812	0.001968	0.001947	0.001925	0.001908

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.004063	0.004128	0.004126	0.004104	0.004089
0.0645161290322581	0.003818	0.00389	0.003888	0.003871	0.003825
0.0967741935483871	0.003416	0.00352	0.003517	0.003488	0.00342
0.129032258064516	0.003309	0.003379	0.003376	0.003364	0.003334
0.161290322580645	0.002856	0.002916	0.002913	0.002901	0.002878
0.193548387096774	0.002706	0.002757	0.002755	0.002747	0.002728
0.225806451612903	0.002578	0.002613	0.002612	0.002601	0.002595
0.258064516129032	0.00256	0.002594	0.002593	0.00258	0.002564
0.290322580645161	0.002521	0.002588	0.002587	0.00258	0.002549
0.32258064516129	0.002441	0.002512	0.002511	0.002497	0.00246
0.354838709677419	0.002419	0.002478	0.002476	0.002466	0.002442
0.387096774193548	0.002264	0.002383	0.002382	0.002298	0.002278
0.419354838709677	0.002226	0.002307	0.002306	0.002256	0.002241
0.451612903225806	0.002186	0.002266	0.002264	0.002209	0.002198
0.483870967741936	0.002177	0.002217	0.002216	0.002207	0.002187
0.516129032258065	0.002142	0.002207	0.002206	0.002202	0.002163
0.548387096774194	0.002041	0.002194	0.002193	0.002185	0.002056

0.580645161290323	0.002106	0.002105	0.002092	0.002038
0.002005	0.001881			
0.612903225806452	0.00204	0.002039	0.002033	0.002018
0.001952	0.001828			
0.645161290322581	0.002036	0.002035	0.002025	0.001986
0.001949	0.001814			
0.67741935483871	0.001996	0.001995	0.001982	0.001948
0.001935	0.001812			
0.709677419354839	0.00197	0.001968	0.001947	0.001925
0.001908	0.001793			
0.741935483870968	0.001906	0.001905	0.0019	0.001883
0.001868	0.001688			
0.774193548387097	0.001852	0.001851	0.001834	0.001788
0.001706	0.001618			
0.806451612903226	0.001744	0.001744	0.001738	0.001632
0.001612	0.001482			
0.838709677419355	0.001651	0.001651	0.001645	0.001515
0.001504	0.001395			
0.870967741935484	0.001403	0.001403	0.001394	0.001375
0.001358	0.001257			
0.903225806451613	0.001368	0.001367	0.00135	0.001342
0.001332	0.001255			
0.935483870967742	0.0008666	0.0008664	0.0008634	0.0008561
0.0008478	0.0007623			
0.967741935483871	0.0003829	0.0003827	0.0003816	0.0002945
0.0002546	7.459e-005			
0.1	0.0035059	0.0035029	0.0034756	0.0034114
0.0031083				0.0034053

Average of yearly

averages: 0.00199502966666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-sgrbt-grd

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	

Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.007 fraction of application rate applied to pond
 Application Date Date 01-09 dd/mm or dd/mmm or dd-mm or dd-mmm
 Interval 1 interval 7 days Set to 0 or delete line for single app.
 app. rate 1 apprate kg/ha
 Interval 2 interval 7 days Set to 0 or delete line for single app.
 app. rate 2 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

34. CAsugarbeet_WirrigOP: Sugarbeet. September 1, 3 Applications, Aerial.

34.1. Water Column

stored as esfen-agdrift-sgrbt-air.out

Chemical: esfenAgDRIFT

PRZM environment: CAsugarbeet_WirrigOP.txt modified Thuday, 14 June 2007 at 10:21:20

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1209 0.002444	0.03346	0.01975	0.009773	0.008092
1962	0.1256 0.007555	0.03811	0.02445	0.01438	0.01249
1963	0.1289 0.01121	0.04142	0.02779	0.01765	0.01589
1964	0.1301 0.01268	0.04261	0.02896	0.01902	0.01719
1965	0.1318 0.01446	0.04438	0.03074	0.02055	0.01869
1966	0.1319 0.01497	0.04446	0.03084	0.02061	0.01866
1967	0.1336 0.01652	0.04607	0.03248	0.02218	0.02023
1968	0.1331 0.01624	0.04559	0.03197	0.02199	0.02045
1969	0.1386 0.02237	0.05115	0.03759	0.02722	0.0252
1970	0.138 0.02182	0.05047	0.03689	0.02655	0.02472
1971	0.1372 0.02057	0.04972	0.03613	0.02581	0.02381

1972	0.1357 0.01921	0.04822	0.03462	0.02433	0.02287
1973	0.1357 0.01897	0.0482	0.0346	0.02432	0.02232
1974	0.1349 0.01824	0.0474	0.03382	0.02373	0.02175
1975	0.1346 0.01759	0.0471	0.03351	0.02327	0.02132
1976	0.1353 0.01829	0.04779	0.03419	0.02407	0.02211
1977	0.1343 0.01752	0.04678	0.03318	0.02288	0.02086
1978	0.1357 0.01895	0.0482	0.03464	0.02428	0.02231
1979	0.1344 0.01767	0.04693	0.03337	0.023	0.021
1980	0.135 0.01823	0.04755	0.03396	0.02363	0.02159
1981	0.1341 0.01744	0.04662	0.03303	0.02275	0.02076
1982	0.1342 0.01754	0.0467	0.03309	0.02306	0.02142
1983	0.1375 0.02107	0.05002	0.03647	0.02604	0.02414
1984	0.1351 0.01873	0.0476	0.03405	0.02368	0.02175
1985	0.1338 0.0172	0.04637	0.03276	0.02257	0.02077
1986	0.1345 0.01795	0.047	0.03339	0.02311	0.02109
1987	0.1349 0.01807	0.04744	0.03386	0.02352	0.02148
1988	0.134 0.0171	0.04648	0.03289	0.02256	0.02057
1989	0.1337 0.01676	0.04636	0.03268	0.02239	0.0204
1990	0.134 0.01699	0.04647	0.03288	0.02257	0.02055

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.0252	0.1386	0.05115	0.03759	0.02722
0.0645161290322581	0.02472	0.138	0.05047	0.03689	0.02655
0.0967741935483871	0.02414	0.1375	0.05002	0.03647	0.02604
0.129032258064516	0.02381	0.1372	0.04972	0.03613	0.02581
0.161290322580645	0.02287	0.1357	0.04822	0.03464	0.02433
0.193548387096774	0.02232	0.1357	0.0482	0.03462	0.02432
0.225806451612903	0.02231	0.1357	0.0482	0.0346	0.02428

0.258064516129032	0.1353	0.04779	0.03419	0.02407	
0.02211	0.01873				
0.290322580645161	0.1351	0.0476	0.03405	0.02373	
0.02175	0.01829				
0.32258064516129	0.135	0.04755	0.03396	0.02368	
0.02175	0.01824				
0.354838709677419	0.1349	0.04744	0.03386	0.02363	
0.02159	0.01823				
0.387096774193548	0.1349	0.0474	0.03382	0.02352	
0.02148	0.01807				
0.419354838709677	0.1346	0.0471	0.03351	0.02327	
0.02142	0.01795				
0.451612903225806	0.1345	0.047	0.03339	0.02311	
0.02132	0.01767				
0.483870967741936	0.1344	0.04693	0.03337	0.02306	
0.02109	0.01759				
0.516129032258065	0.1343	0.04678	0.03318	0.023	0.021
0.01754					
0.548387096774194	0.1342	0.0467	0.03309	0.02288	
0.02086	0.01752				
0.580645161290323	0.1341	0.04662	0.03303	0.02275	
0.02077	0.01744				
0.612903225806452	0.134	0.04648	0.03289	0.02257	
0.02076	0.0172				
0.645161290322581	0.134	0.04647	0.03288	0.02257	
0.02057	0.0171				
0.67741935483871	0.1338	0.04637	0.03276	0.02256	
0.02055	0.01699				
0.709677419354839	0.1337	0.04636	0.03268	0.02239	
0.02045	0.01676				
0.741935483870968	0.1336	0.04607	0.03248	0.02218	
0.0204	0.01652				
0.774193548387097	0.1331	0.04559	0.03197	0.02199	
0.02023	0.01624				
0.806451612903226	0.1319	0.04446	0.03084	0.02061	
0.01869	0.01497				
0.838709677419355	0.1318	0.04438	0.03074	0.02055	
0.01866	0.01446				
0.870967741935484	0.1301	0.04261	0.02896	0.01902	
0.01719	0.01268				
0.903225806451613	0.1289	0.04142	0.02779	0.01765	
0.01589	0.01121				
0.935483870967742	0.1256	0.03811	0.02445	0.01438	
0.01249	0.007555				
0.967741935483871	0.1209	0.03346	0.01975	0.009773	
0.008092	0.002444				
0.1	0.13747	0.04999	0.036436	0.026017	0.024107
0.02102					

Average of yearly

averages: 0.016811966666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-sgrbt-air

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_WirrigOP.txt
EXAMS environment file: pond298.exv
Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	
Spray Drift	DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date		01-09	dd/mm or dd/mm/yy or dd-mm or dd-mm-yy	
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Record 17:	FILTRA				
	IPSCND	1			
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none		none, monthly or
total(average of entire run)					

34.2. Pore Water

stored as esfen-agdrift-sgrbt-airben.out
Chemical: esfenAgDRIFT
PRZM environment: CASugarbeet_WirrigOP.txt modified Thuday, 14 June 2007 at 10:21:20
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30
Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24
Benthic segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
1961	Yearly				
	0.00173	0.00173	0.001725	0.001649	0.001624
	0.0005068				

1962	0.003291 0.002318	0.003288	0.003259	0.003208	0.003175
1963	0.004479 0.003604	0.004475	0.004432	0.004368	0.004354
1964	0.004904 0.004191	0.0049	0.00486	0.004811	0.004803
1965	0.005543 0.004808	0.005539	0.005497	0.005403	0.005366
1966	0.005687 0.004991	0.005684	0.005667	0.005451	0.005437
1967	0.006152 0.005553	0.006145	0.006085	0.005972	0.005915
1968	0.006018 0.005449	0.006015	0.006001	0.005978	0.005941
1969	0.008047 0.007452	0.008044	0.008012	0.007953	0.007883
1970	0.007954 0.00739	0.007951	0.007923	0.007878	0.007843
1971	0.00758 0.007038	0.007573	0.007545	0.007478	0.007421
1972	0.007078 0.006532	0.007073	0.007051	0.006996	0.006935
1973	0.006915 0.006443	0.006908	0.006851	0.00678	0.006774
1974	0.006638 0.006177	0.006636	0.006614	0.006558	0.006512
1975	0.006519 0.005975	0.006511	0.006451	0.006357	0.006309
1976	0.006767 0.006172	0.006761	0.006719	0.006627	0.006575
1977	0.006404 0.00592	0.0064	0.006382	0.006324	0.006273
1978	0.006914 0.006375	0.006907	0.006847	0.00671	0.006648
1979	0.006491 0.005997	0.00649	0.006472	0.006435	0.006392
1980	0.006682 0.006132	0.006675	0.006612	0.006482	0.006409
1981	0.006351 0.005895	0.006348	0.006327	0.006267	0.006224
1982	0.006629 0.005855	0.006627	0.006469	0.006349	0.006305
1983	0.007569 0.007083	0.007561	0.007481	0.00745	0.007406
1984	0.007078 0.006382	0.007071	0.007042	0.006977	0.006918
1985	0.006335 0.005824	0.00633	0.006309	0.006257	0.006208
1986	0.006544 0.005983	0.006542	0.006426	0.00632	0.006263
1987	0.006644 0.006133	0.006637	0.006578	0.006526	0.006487
1988	0.006297 0.005772	0.006289	0.006228	0.006103	0.006038
1989	0.006219 0.005665	0.006212	0.006157	0.006047	0.005984

1990	0.006295 0.005714	0.006287	0.006228	0.006105	0.006038
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Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.007883	0.008047	0.008044	0.008012	0.007953
0.0645161290322581	0.007843	0.007452	0.007951	0.007923	0.007878
0.0967741935483871	0.007421	0.00739	0.007573	0.007545	0.007478
0.129032258064516	0.007406	0.00758	0.007083	0.007481	0.00745
0.161290322580645	0.006935	0.007569	0.007561	0.007481	0.00745
0.193548387096774	0.006918	0.007078	0.007073	0.007051	0.006996
0.225806451612903	0.006774	0.007078	0.007071	0.007042	0.006977
0.258064516129032	0.006648	0.006443	0.006908	0.006851	0.00678
0.290322580645161	0.006575	0.006915	0.006907	0.006847	0.00671
0.32258064516129	0.006512	0.006914	0.006907	0.006847	0.00671
0.354838709677419	0.006487	0.006767	0.006761	0.006719	0.006627
0.387096774193548	0.006409	0.006682	0.006761	0.006719	0.006627
0.419354838709677	0.006392	0.006682	0.006675	0.006614	0.006558
0.451612903225806	0.006309	0.006644	0.006637	0.006612	0.006526
0.483870967741936	0.006305	0.006638	0.006636	0.006578	0.006482
0.516129032258065	0.006273	0.006632	0.006636	0.006578	0.006482
0.548387096774194	0.006263	0.006629	0.006627	0.006472	0.006435
0.580645161290323	0.006224	0.006597	0.006627	0.006472	0.006435
0.612903225806452	0.006208	0.006544	0.006542	0.006469	0.006357
0.645161290322581	0.006038	0.006544	0.006542	0.006469	0.006357
0.67741935483871	0.006038	0.006519	0.006511	0.006451	0.006349
0.709677419354839	0.005984	0.006519	0.006511	0.006451	0.006349
0.741935483870968	0.005941	0.006491	0.00649	0.006426	0.006324
0.774193548387097	0.005915	0.006491	0.00649	0.006426	0.006324
0.806451612903226	0.005437	0.006404	0.0064	0.006382	0.00632
		0.006404	0.0064	0.006382	0.00632
		0.005895	0.006348	0.006327	0.006267
		0.005855	0.006348	0.006327	0.006267
		0.005824	0.00633	0.006309	0.006257
		0.005824	0.00633	0.006309	0.006257
		0.006297	0.006289	0.006228	0.006105
		0.005772	0.006289	0.006228	0.006105
		0.006295	0.006287	0.006228	0.006103
		0.005714	0.006287	0.006228	0.006103
		0.006219	0.006212	0.006157	0.006047
		0.005665	0.006212	0.006157	0.006047
		0.006152	0.006145	0.006085	0.005978
		0.005553	0.006145	0.006085	0.005978
		0.006018	0.006015	0.006001	0.005972
		0.005449	0.006015	0.006001	0.005972
		0.005687	0.005684	0.005667	0.005451
		0.004991	0.005684	0.005667	0.005451

0.838709677419355	0.005543	0.005539	0.005497	0.005403
0.005366	0.004808			
0.870967741935484	0.004904	0.0049	0.00486	0.004811
0.004803	0.004191			
0.903225806451613	0.004479	0.004475	0.004432	0.004368
0.004354	0.003604			
0.935483870967742	0.003291	0.003288	0.003259	0.003208
0.003175	0.002318			
0.967741935483871	0.00173	0.00173	0.001725	0.001649
0.001624	0.0005068			
0.1	0.0075789	0.0075718	0.0075386	0.0074195
0.0070785				

Average of yearly

averages: 0.0056443266666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-sgrbt-air

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism kbacw	276	days	Halfife
Anaerobic Aquatic Metabolism kbacs	462	days	Halfife
Aerobic Soil Metabolism asm	138	days	Half-life
Hydrolysis: pH 7 0	days		See PRZM manual
Method: CAM 2	integer		
Incorporation Depth: DEPI 4	cm		
Application Rate: TAPP 0.06	kg/ha		
Application Efficiency: APPEFF 0.95	fraction		
Spray Drift DRFT 0.063	fraction of		application rate applied to pond
Application Date Date	01-09	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval 7	days		Set to 0 or delete line for single app.
app. rate 1 apprate	kg/ha		
Interval 2 interval 7	days		Set to 0 or delete line for single app.
app. rate 2 apprate	kg/ha		
Record 17: FILTRA			
IPSCND 1			
UPTKF			
Record 18: PLVKRT			
PLDKRT			

FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

35. CAtomato_WirrigSTD: Tomato. July 1, 10 Applications, Aerial.

35.1. Water Column

stored as esfen-agdrift-tomat-air.out

Chemical: esfenAgDRIFT

PRZM environment: CAtomato_WirrigSTD.txt modified Tuesday, 29 May 2007
at 12:43:54

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1308 0.009112	0.0433	0.02969	0.026	0.02238
1962	0.1429 0.02223	0.05535	0.04184	0.0386	0.03483
1963	0.1508 0.03084	0.06329	0.04985	0.04687	0.043
1964	0.1555 0.03625	0.06802	0.05461	0.05185	0.04796
1965	0.1597 0.04065	0.07216	0.05877	0.05614	0.05222
1966	0.1613 0.04301	0.07378	0.06045	0.05801	0.054
1967	0.1634 0.04512	0.07585	0.06258	0.0604	0.05632
1968	0.1637 0.04551	0.07614	0.06279	0.06025	0.05628
1969	0.169 0.05106	0.08142	0.06815	0.06593	0.06184
1970	0.1684 0.05089	0.08081	0.06752	0.06534	0.06128
1971	0.1684 0.05049	0.08084	0.06757	0.06542	0.06134
1972	0.1674 0.04981	0.07983	0.06653	0.06429	0.06025
1973	0.168 0.05015	0.08041	0.0671	0.0648	0.06076
1974	0.1673 0.04941	0.07975	0.06648	0.06422	0.06012
1975	0.1675 0.04905	0.07994	0.06663	0.06418	0.06013
1976	0.1692 0.05097	0.08165	0.0683	0.06573	0.06179
1977	0.168 0.05034	0.08043	0.06716	0.065	0.06092
1978	0.1684 0.05085	0.08337	0.06816	0.06565	0.06158
1979	0.167 0.04905	0.07939	0.06614	0.06393	0.0598

1980	0.1671 0.0491	0.07957	0.0663	0.06412	0.06004
1981	0.1652 0.04762	0.07759	0.06433	0.06221	0.05811
1982	0.1656 0.04769	0.07805	0.06474	0.06243	0.0585
1983	0.1684 0.05058	0.08084	0.06762	0.06555	0.06138
1984	0.1654 0.04793	0.07774	0.06453	0.06251	0.05835
1985	0.1639 0.04627	0.07655	0.06305	0.06073	0.05672
1986	0.1643 0.04677	0.07675	0.06347	0.06136	0.0573
1987	0.1651 0.04687	0.07758	0.06428	0.06192	0.05785
1988	0.1643 0.0462	0.07669	0.0634	0.06117	0.05711
1989	0.1642 0.04604	0.07664	0.06332	0.06095	0.05698
1990	0.1642 0.04607	0.07661	0.06332	0.06104	0.05699

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.06184	0.1692	0.08337	0.0683	0.06593
0.0645161290322581	0.06179	0.169	0.08165	0.06816	0.06573
0.0967741935483871	0.06158	0.1684	0.08142	0.06815	0.06565
0.129032258064516	0.06138	0.1684	0.08084	0.06762	0.06555
0.161290322580645	0.06134	0.1684	0.08084	0.06757	0.06542
0.193548387096774	0.06128	0.1684	0.08081	0.06752	0.06534
0.225806451612903	0.06092	0.168	0.08043	0.06716	0.065
0.258064516129032	0.06076	0.168	0.08041	0.0671	0.0648
0.290322580645161	0.06025	0.1675	0.07994	0.06663	0.06429
0.32258064516129	0.06013	0.1674	0.07983	0.06653	0.06422
0.354838709677419	0.06012	0.1673	0.07975	0.06648	0.06418
0.387096774193548	0.06004	0.1671	0.07957	0.0663	0.06412
0.419354838709677	0.0598	0.167	0.07939	0.06614	0.06393
0.451612903225806	0.0585	0.1656	0.07805	0.06474	0.06251
0.483870967741936	0.05835	0.1654	0.07774	0.06453	0.06243

0.516129032258065	0.1652	0.07759	0.06433	0.06221	
0.05811	0.04762				
0.548387096774194	0.1651	0.07758	0.06428	0.06192	
0.05785	0.04687				
0.580645161290323	0.1643	0.07675	0.06347	0.06136	
0.0573	0.04677				
0.612903225806452	0.1643	0.07669	0.0634	0.06117	
0.05711	0.04627				
0.645161290322581	0.1642	0.07664	0.06332	0.06104	
0.05699	0.0462				
0.67741935483871	0.1642	0.07661	0.06332	0.06095	
0.05698	0.04607				
0.709677419354839	0.1639	0.07655	0.06305	0.06073	
0.05672	0.04604				
0.741935483870968	0.1637	0.07614	0.06279	0.0604	
0.05632	0.04551				
0.774193548387097	0.1634	0.07585	0.06258	0.06025	
0.05628	0.04512				
0.806451612903226	0.1613	0.07378	0.06045	0.05801	0.054
0.04301					
0.838709677419355	0.1597	0.07216	0.05877	0.05614	
0.05222	0.04065				
0.870967741935484	0.1555	0.06802	0.05461	0.05185	
0.04796	0.03625				
0.903225806451613	0.1508	0.06329	0.04985	0.04687	0.043
0.03084					
0.935483870967742	0.1429	0.05535	0.04184	0.0386	
0.03483	0.02223				
0.967741935483871	0.1308	0.0433	0.02969	0.026	
0.02238	0.009112				
0.1	0.1684	0.081362	0.068097	0.06564	0.06156
0.050886					

Average of yearly

averages: 0.0448644

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-tomat-air

Metfile: w93193.dvf

PRZM scenario: CAtomato_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-07	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

35.2. Pore Water

stored as esfen-agdrift-tomat-airben.out

Chemical: esfenAgDRIFT

PRZM environment: CATomato_WirrigSTD.txt
at 12:43:54

modified Tuesday, 29 May 2007

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.005155 0.002085	0.00515	0.005105	0.005004	0.004956	
1962	0.009485 0.006764	0.009477	0.009388	0.0092	0.009097	
1963	0.01234 0.009865	0.01233	0.01221	0.01197	0.01184	
1964	0.01405 0.01186	0.01403	0.01392	0.01367	0.01353	
1965	0.01553 0.01342	0.01552	0.0154	0.01515	0.01499	
1966	0.01612 0.01427	0.0161	0.01596	0.01568	0.01551	
1967	0.01686 0.01505	0.01685	0.01667	0.01638	0.01619	
1968	0.01697 0.01517	0.01695	0.0168	0.01653	0.0164	
1969	0.01887 0.01701	0.01885	0.01867	0.01837	0.01819	
1970	0.01865 0.01706	0.01863	0.01847	0.01818	0.01799	
1971	0.01866	0.01864	0.01848	0.01819	0.01801	0.017
1972	0.01829 0.01673	0.01828	0.01812	0.01784	0.01767	
1973	0.0185 0.01684	0.01849	0.01833	0.01804	0.01786	
1974	0.01827 0.01659	0.01825	0.01806	0.01774	0.01755	
1975	0.01834 0.01649	0.01832	0.01814	0.01783	0.01765	
1976	0.01895 0.01709	0.01893	0.01878	0.01855	0.01839	
1977	0.01851 0.01692	0.01849	0.01832	0.01802	0.01781	
1978	0.01873 0.01703	0.01871	0.01855	0.01824	0.01802	
1979	0.01814 0.01648	0.01811	0.01793	0.01759	0.01737	
1980	0.0182 0.01643	0.01818	0.01801	0.0177	0.01749	
1981	0.01749 0.01596	0.01747	0.01729	0.017	0.01682	
1982	0.01765 0.0159	0.01764	0.01748	0.01722	0.01707	
1983	0.01866 0.01693	0.01864	0.01845	0.01812	0.0179	
1984	0.01755 0.01608	0.01752	0.01733	0.01699	0.0168	
1985	0.01704 0.01547	0.01702	0.01687	0.01659	0.01642	
1986	0.01719 0.01556	0.01717	0.01703	0.01675	0.01656	
1987	0.01748 0.01569	0.01746	0.01729	0.01699	0.01678	
1988	0.01717 0.01544	0.01715	0.01697	0.01667	0.01647	

1989	0.01715 0.0154	0.01713	0.01697	0.01669	0.01651
1990	0.01714 0.0154	0.01712	0.01695	0.01665	0.01645

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01839	0.01895	0.01893	0.01878	0.01855
0.0645161290322581	0.01819	0.01887	0.01885	0.01867	0.01837
0.0967741935483871	0.01802	0.01873	0.01871	0.01855	0.01824
0.129032258064516	0.01801	0.01866	0.01864	0.01848	0.01819
0.161290322580645	0.01799	0.01866	0.01864	0.01847	0.01818
0.193548387096774	0.0179	0.01865	0.01863	0.01845	0.01812
0.225806451612903	0.01786	0.01851	0.01849	0.01833	0.01804
0.258064516129032	0.01781	0.0185	0.01849	0.01832	0.01802
0.290322580645161	0.01767	0.01834	0.01832	0.01814	0.01784
0.32258064516129	0.01765	0.01829	0.01828	0.01812	0.01783
0.354838709677419	0.01755	0.01827	0.01825	0.01806	0.01774
0.387096774193548	0.01749	0.0182	0.01818	0.01801	0.0177
0.419354838709677	0.01737	0.01814	0.01811	0.01793	0.01759
0.451612903225806	0.01707	0.01765	0.01764	0.01748	0.01722
0.483870967741936	0.01682	0.01755	0.01752	0.01733	0.017
0.516129032258065	0.0168	0.01749	0.01747	0.01729	0.01699
0.548387096774194	0.01678	0.01748	0.01746	0.01729	0.01699
0.580645161290323	0.01656	0.01719	0.01717	0.01703	0.01675
0.612903225806452	0.01651	0.01717	0.01715	0.01697	0.01669
0.645161290322581	0.01647	0.01715	0.01713	0.01697	0.01667
0.67741935483871	0.01645	0.01714	0.01712	0.01695	0.01665
0.709677419354839	0.01642	0.01704	0.01702	0.01687	0.01659
0.741935483870968	0.0164	0.01697	0.01695	0.0168	0.01653
0.774193548387097	0.01619	0.01686	0.01685	0.01667	0.01638
		0.01505			

0.806451612903226	0.01612	0.0161	0.01596	0.01568
0.01551	0.01427			
0.838709677419355	0.01553	0.01552	0.0154	0.01515
0.01499	0.01342			
0.870967741935484	0.01405	0.01403	0.01392	0.01367
0.01353	0.01186			
0.903225806451613	0.01234	0.01233	0.01221	0.01197
0.01184	0.009865			
0.935483870967742	0.009485	0.009477	0.009388	0.0092
0.009097	0.006764			
0.967741935483871	0.005155	0.00515	0.005105	0.005004
0.004956	0.002085			
0.1	0.018723	0.018703	0.018543	0.018235
	0.017028			0.018019
				Average of yearly
averages:	0.0149328			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-tomat-air

Metfile: w93193.dvf

PRZM scenario: CAtomato_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-07	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	

Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

36. CAtomato_WirrigSTD: Tomato. July 1, 10 Applications, Ground.

36.1. Water Column

stored as esfen-agdrift-tomat-grd.out

Chemical: esfenAgDRIFT

PRZM environment: CAtomato_WirrigSTD.txt

modified Tuesday, 29 May 2007

at 12:43:54

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01454 0.001121	0.004937	0.003322	0.002908	0.002503
1962	0.04075 0.004044	0.01608	0.006137	0.005789	0.00535
1963	0.02177 0.005514	0.008938	0.007433	0.007165	0.00671
1964	0.01886 0.005862	0.00913	0.007665	0.007414	0.006961
1965	0.03273 0.006713	0.01292	0.008555	0.008336	0.007876
1966	0.03227 0.006798	0.01664	0.009144	0.008201	0.007732
1967	0.02041 0.007498	0.01068	0.009235	0.009089	0.008602

1968	0.02562 0.007258	0.01185	0.008807	0.008589	0.008124
1969	0.06674 0.01106	0.02613	0.01422	0.01265	0.01219
1970	0.02854 0.01048	0.0161	0.01188	0.01165	0.01115
1971	0.02242 0.009709	0.01268	0.01125	0.01116	0.01066
1972	0.02298 0.008868	0.01432	0.01028	0.01014	0.009654
1973	0.02963 0.009019	0.0142	0.01056	0.01042	0.009932
1974	0.02116 0.008432	0.01142	0.009981	0.009827	0.009337
1975	0.02082 0.007876	0.01108	0.009627	0.009429	0.008952
1976	0.04732 0.008866	0.0183	0.01145	0.01016	0.009914
1977	0.02901 0.008342	0.01314	0.009891	0.009744	0.009257
1978	0.03815 0.009676	0.02075	0.01177	0.01116	0.01068
1979	0.02145 0.008656	0.0117	0.01026	0.01013	0.009632
1980	0.05271 0.00911	0.02017	0.01181	0.01061	0.01011
1981	0.02095 0.008204	0.01121	0.009773	0.009645	0.009152
1982	0.03608 0.008078	0.01555	0.009725	0.009281	0.008892
1983	0.032 0.01028	0.01568	0.01264	0.01163	0.01111
1984	0.02145 0.008832	0.0117	0.01028	0.01019	0.009678
1985	0.02059 0.007912	0.01106	0.009453	0.009264	0.008787
1986	0.05316 0.008518	0.01966	0.01023	0.009834	0.009343
1987	0.02136 0.008521	0.01162	0.01017	0.01003	0.009533
1988	0.02054 0.007704	0.0108	0.009351	0.009197	0.008714
1989	0.02035 0.007451	0.01062	0.009166	0.008982	0.008554
1990	0.02016 0.00724	0.01115	0.008973	0.008797	0.008319

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01219	0.06674	0.02613	0.01422	0.01265
0.0645161290322581	0.01115	0.05316	0.02075	0.01264	0.01165
0.0967741935483871	0.01111	0.05271	0.02017	0.01188	0.01163
		0.01028			

0.129032258064516	0.04732	0.01966	0.01181	0.01116
0.01068	0.009709			
0.161290322580645	0.04075	0.0183	0.01177	0.01116
0.01066	0.009676			
0.193548387096774	0.03815	0.01664	0.01145	0.01061
0.01011	0.00911			
0.225806451612903	0.03608	0.0161	0.01125	0.01042
0.009932	0.009019			
0.258064516129032	0.03273	0.01608	0.01056	0.01019
0.009914	0.008868			
0.290322580645161	0.03227	0.01568	0.01028	0.01016
0.009678	0.008866			
0.32258064516129	0.032	0.01555	0.01028	0.01014
0.009654	0.008832			
0.354838709677419	0.02963	0.01432	0.01026	0.01013
0.009632	0.008656			
0.387096774193548	0.02901	0.0142	0.01023	0.01003
0.009533	0.008521			
0.419354838709677	0.02854	0.01314	0.01017	0.009834
0.009343	0.008518			
0.451612903225806	0.02562	0.01292	0.009981	0.009827
0.009337	0.008432			
0.483870967741936	0.02298	0.01268	0.009891	0.009744
0.009257	0.008342			
0.516129032258065	0.02242	0.01185	0.009773	0.009645
0.009152	0.008204			
0.548387096774194	0.02177	0.0117	0.009725	0.009429
0.008952	0.008078			
0.580645161290323	0.02145	0.0117	0.009627	0.009281
0.008892	0.007912			
0.612903225806452	0.02145	0.01162	0.009453	0.009264
0.008787	0.007876			
0.645161290322581	0.02136	0.01142	0.009351	0.009197
0.008714	0.007704			
0.67741935483871	0.02116	0.01121	0.009235	0.009089
0.008602	0.007498			
0.709677419354839	0.02095	0.01115	0.009166	0.008982
0.008554	0.007451			
0.741935483870968	0.02082	0.01108	0.009144	0.008797
0.008319	0.007258			
0.774193548387097	0.02059	0.01106	0.008973	0.008589
0.008124	0.00724			
0.806451612903226	0.02054	0.0108	0.008807	0.008336
0.007876	0.006798			
0.838709677419355	0.02041	0.01068	0.008555	0.008201
0.007732	0.006713			
0.870967741935484	0.02035	0.01062	0.007665	0.007414
0.006961	0.005862			
0.903225806451613	0.02016	0.00913	0.007433	0.007165
0.00671	0.005514			
0.935483870967742	0.01886	0.008938	0.006137	0.005789
0.00535	0.004044			
0.967741935483871	0.01454	0.004937	0.003322	0.002908
0.002503	0.001121			
0.1	0.052171	0.020119	0.011873	0.011583
0.0102229				0.011067

averages: 0.0079214

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-tomat-grd

Metfile: w93193.dvf

PRZM scenario: CAtomato_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-07	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		

Interval 9 interval 7 days Set to 0 or delete line for
 single app.
 app. rate 9 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

36.2. Pore Water

stored as esfen-agdrift-tomat-grdben.out

Chemical: esfenAgDRIFT

PRZM environment: CATomato_WirrigSTD.txt
 at 12:43:54

modified Tuesday, 29 May 2007

EXAMS environment: pond298.exv
 15:33:30

modified Thuday, 29 August 2002 at

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0007284 0.0002495	0.0007282	0.0007261	0.000648	0.0006161
1962	0.001567 0.001262	0.001566	0.001551	0.001524	0.001509
1963	0.002043 0.00179	0.002041	0.00202	0.001988	0.00198
1964	0.002134 0.001955	0.002133	0.002117	0.002106	0.002084
1965	0.002445 0.002243	0.002443	0.002425	0.002392	0.002368
1966	0.002587 0.00227	0.002587	0.002579	0.002384	0.002349
1967	0.002683 0.002541	0.00268	0.002659	0.00262	0.002595
1968	0.002678 0.002432	0.002677	0.002661	0.002627	0.002573
1969	0.004026 0.003671	0.004024	0.004011	0.003985	0.003951
1970	0.003804 0.003555	0.003802	0.003786	0.003746	0.003743
1971	0.00362 0.00335	0.003617	0.003603	0.003571	0.003544
1972	0.003232 0.003025	0.003229	0.003219	0.003202	0.003178
1973	0.003246 0.00307	0.003245	0.003239	0.003229	0.003204
1974	0.003065 0.002874	0.003064	0.003054	0.003028	0.003008
1975	0.002845 0.002699	0.002844	0.002839	0.002818	0.002798

1976	0.003181 0.002969	0.003179	0.003158	0.003121	0.003102
1977	0.003062 0.002838	0.003061	0.003052	0.003025	0.003002
1978	0.003445 0.003251	0.003443	0.003431	0.003414	0.003402
1979	0.003182 0.00297	0.003181	0.003172	0.003163	0.003154
1980	0.003325 0.003072	0.003324	0.003309	0.003285	0.003251
1981	0.003 0.002799	0.002999	0.002991	0.00297	0.00295
1982	0.003146 0.00268	0.003145	0.003022	0.002899	0.002833
1983	0.003677 0.003462	0.003675	0.003665	0.003645	0.003631
1984	0.003343 0.00303	0.00334	0.003326	0.0033	0.003275
1985	0.002898 0.002694	0.002895	0.002886	0.002866	0.002847
1986	0.003075 0.002832	0.003074	0.003019	0.002992	0.00297
1987	0.003111 0.002918	0.00311	0.003101	0.003085	0.003076
1988	0.002751 0.002613	0.00275	0.002745	0.002725	0.002711
1989	0.002661 0.002535	0.002658	0.002639	0.002613	0.002608
1990	0.002591 0.00245	0.002589	0.002567	0.002555	0.002535

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.003951	0.004026	0.004024	0.004011	0.003985
0.0645161290322581	0.003743	0.003804	0.003802	0.003786	0.003746
0.0967741935483871	0.003631	0.003677	0.003675	0.003665	0.003645
0.129032258064516	0.003544	0.00362	0.003617	0.003603	0.003571
0.161290322580645	0.003402	0.003445	0.003443	0.003431	0.003414
0.193548387096774	0.003275	0.003343	0.00334	0.003326	0.0033
0.225806451612903	0.003251	0.003325	0.003324	0.003309	0.003285
0.258064516129032	0.003204	0.003246	0.003245	0.003239	0.003229
0.290322580645161	0.003178	0.003232	0.003229	0.003219	0.003202
0.32258064516129	0.003154	0.003182	0.003181	0.003172	0.003163
0.354838709677419	0.003102	0.003181	0.003179	0.003158	0.003121
		0.002969			

0.387096774193548	0.003146	0.003145	0.003101	0.003085
0.003076	0.002918			
0.419354838709677	0.003111	0.00311	0.003054	0.003028
0.003008	0.002874			
0.451612903225806	0.003075	0.003074	0.003052	0.003025
0.003002	0.002838			
0.483870967741936	0.003065	0.003064	0.003022	0.002992
0.00297	0.002832			
0.516129032258065	0.003062	0.003061	0.003019	0.00297
0.00295	0.002799			
0.548387096774194	0.003	0.002999	0.002991	0.002899
0.002847	0.002699			
0.580645161290323	0.002898	0.002895	0.002886	0.002866
0.002833	0.002694			
0.612903225806452	0.002845	0.002844	0.002839	0.002818
0.002798	0.00268			
0.645161290322581	0.002751	0.00275	0.002745	0.002725
0.002711	0.002613			
0.67741935483871	0.002683	0.00268	0.002661	0.002627
0.002608	0.002541			
0.709677419354839	0.002678	0.002677	0.002659	0.00262
0.002595	0.002535			
0.741935483870968	0.002661	0.002658	0.002639	0.002613
0.002573	0.00245			
0.774193548387097	0.002591	0.002589	0.002579	0.002555
0.002535	0.002432			
0.806451612903226	0.002587	0.002587	0.002567	0.002392
0.002368	0.00227			
0.838709677419355	0.002445	0.002443	0.002425	0.002384
0.002349	0.002243			
0.870967741935484	0.002134	0.002133	0.002117	0.002106
0.002084	0.001955			
0.903225806451613	0.002043	0.002041	0.00202	0.001988
0.00198	0.00179			
0.935483870967742	0.001567	0.001566	0.001551	0.001524
0.001509	0.001262			
0.967741935483871	0.0007284	0.0007282	0.0007261	0.000648
0.0006161	0.0002495			
0.1	0.0036713	0.0036692	0.0036588	0.0036376
0.0034508				0.0036223

Average of yearly

averages: 0.002669983333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-tomat-grd

Metfile: w93193.dvf

PRZM scenario: CAtomato_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift DRFT	0.007		fraction of	application rate applied to pond	
Application Date	Date		01-07	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days	Set to 0 or delete line for single app.	
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days	Set to 0 or delete line for single app.	
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days	Set to 0 or delete line for single app.	
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days	Set to 0 or delete line for single app.	
app. rate 6 apprate			kg/ha		
Interval 7 interval	7		days	Set to 0 or delete line for single app.	
app. rate 7 apprate			kg/ha		
Interval 8 interval	7		days	Set to 0 or delete line for single app.	
app. rate 8 apprate			kg/ha		
Interval 9 interval	7		days	Set to 0 or delete line for single app.	
app. rate 9 apprate			kg/ha		
Record 17: FILTRA					
IPSCND	1				
UPTKF					
Record 18: PLVKRT					
PLDKRT					
FEXTRC	0.5				
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none	none, monthly or	
total(average of entire run)					

37. CAresidentialRLF: Non Crop Land. April 1, 10 Applications, Aerial.

37.1. Water Column

stored as esfen-agdrift-noncrop-resid-air.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf

modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.1314 0.01256	0.04389	0.03023	0.0263	0.02276	
1962	0.1437 0.02447	0.05592	0.04226	0.03848	0.03488	
1963	0.1532 0.03395	0.06587	0.05224	0.04861	0.04496	
1964	0.1605 0.04089	0.07294	0.05939	0.05587	0.05217	
1965	0.166 0.04653	0.07866	0.06506	0.0616	0.05789	
1966	0.1708 0.05105	0.08322	0.06974	0.06638	0.06262	
1967	0.1747 0.05473	0.08712	0.07361	0.07034	0.06656	
1968	0.1768 0.05686	0.08934	0.07579	0.07251	0.06872	
1969	0.1789	0.09146	0.07795	0.07477	0.07093	0.059
1970	0.1802 0.06007	0.09244	0.07893	0.07579	0.07196	
1971	0.1816 0.06143	0.09396	0.08051	0.07727	0.07346	
1972	0.1825 0.06248	0.09501	0.08153	0.07835	0.07453	
1973	0.1834 0.06344	0.09591	0.08244	0.07934	0.07548	
1974	0.1843 0.06409	0.09668	0.08324	0.08006	0.07623	
1975	0.1849 0.06478	0.09725	0.08383	0.08068	0.07684	
1976	0.1855 0.06522	0.09794	0.08454	0.08143	0.07755	
1977	0.1854 0.06528	0.09795	0.08445	0.08129	0.07745	
1978	0.1853 0.06499	0.09748	0.08401	0.08097	0.0771	
1979	0.1852 0.06508	0.09775	0.08428	0.08124	0.07737	
1980	0.1848 0.06479	0.09732	0.08385	0.08068	0.07685	
1981	0.1848 0.06485	0.09738	0.08392	0.08083	0.07695	
1982	0.1859 0.06595	0.09848	0.08499	0.08189	0.07804	
1983	0.1861 0.0657	0.09856	0.08511	0.08203	0.07817	

1984	0.1848 0.06437	0.09703	0.08356	0.08053	0.07666	
1985	0.1843 0.06419	0.09687	0.08341	0.08035	0.07647	
1986	0.1842 0.06411	0.09657	0.08315	0.08005	0.07618	
1987	0.184 0.0638	0.09635	0.08294	0.07994	0.07606	
1988	0.1836 0.0631	0.09575	0.08225	0.0792	0.07532	
1989	0.1834 0.06303	0.09555	0.08207	0.07901	0.07515	
1990	0.1832	0.09575	0.08226	0.0792	0.07534	0.063

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129 0.07817		0.1861 0.06595	0.09856	0.08511	0.08203
0.0645161290322581 0.07804		0.1859 0.0657	0.09848	0.08499	0.08189
0.0967741935483871 0.07755		0.1855 0.06528	0.09795	0.08454	0.08143
0.129032258064516 0.07745		0.1854 0.06522	0.09794	0.08445	0.08129
0.161290322580645 0.07737		0.1853 0.06508	0.09775	0.08428	0.08124
0.193548387096774 0.0771		0.1852 0.06499	0.09748	0.08401	0.08097
0.225806451612903 0.07695		0.1849 0.06485	0.09738	0.08392	0.08083
0.258064516129032 0.07685		0.1848 0.06479	0.09732	0.08385	0.08068
0.290322580645161 0.07684		0.1848 0.06478	0.09725	0.08383	0.08068
0.32258064516129 0.07666		0.1848 0.06437	0.09703	0.08356	0.08053
0.354838709677419 0.07647		0.1843 0.06419	0.09687	0.08341	0.08035
0.387096774193548 0.07623		0.1843 0.06411	0.09668	0.08324	0.08006
0.419354838709677 0.07618		0.1842 0.06409	0.09657	0.08315	0.08005
0.451612903225806 0.07606		0.184 0.0638	0.09635	0.08294	0.07994
0.483870967741936 0.07548		0.1836 0.06344	0.09591	0.08244	0.07934
0.516129032258065 0.07534		0.1834 0.0631	0.09575	0.08226	0.0792
0.548387096774194 0.07532		0.1834 0.06303	0.09575	0.08225	0.0792
0.580645161290323 0.07515		0.1832 0.063	0.09555	0.08207	0.07901
0.612903225806452 0.07453		0.1825 0.06248	0.09501	0.08153	0.07835
0.645161290322581 0.07346		0.1816 0.06143	0.09396	0.08051	0.07727

0.67741935483871	0.1802	0.09244	0.07893	0.07579
0.07196	0.06007			
0.709677419354839	0.1789	0.09146	0.07795	0.07477
0.07093	0.059			
0.741935483870968	0.1768	0.08934	0.07579	0.07251
0.06872	0.05686			
0.774193548387097	0.1747	0.08712	0.07361	0.07034
0.06656	0.05473			
0.806451612903226	0.1708	0.08322	0.06974	0.06638
0.06262	0.05105			
0.838709677419355	0.166	0.07866	0.06506	0.0616
0.05789	0.04653			
0.870967741935484	0.1605	0.07294	0.05939	0.05587
0.05217	0.04089			
0.903225806451613	0.1532	0.06587	0.05224	0.04861
0.04496	0.03395			
0.935483870967742	0.1437	0.05592	0.04226	0.03848
0.03488	0.02447			
0.967741935483871	0.1314	0.04389	0.03023	0.0263
0.02276	0.01256			

0.1	0.18549	0.097949	0.084531	0.081416	0.07754
	0.065274				

Average of yearly

averages: 0.0574596666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-resid-air

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp	9	days		Half-life
Aerobic Aquatic Metabolism		kbacw	276	days	days
Halfife					
Anaerobic Aquatic Metabolism		kbacs	462	days	days
Halfife					
Aerobic Soil Metabolism	asm	138	days		Halfife
Hydrolysis: pH 7	0	days			Half-life
Method: CAM	2	integer			See PRZM manual
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.06	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction		
Spray Drift DRFT	0.063	fraction of			application rate applied to
pond					
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or		
dd-mmm					

Interval 1	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

37.2. Pore Water

stored as esfen-agdrift-noncrop-resid-airben.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.005356 0.003343	0.005353	0.005327	0.005255	0.005197
1962	0.009659 0.007606	0.009654	0.009609	0.009491	0.009396
1963	0.01324 0.01104	0.01323	0.01317	0.013	0.01288

1964	0.0158	0.01579	0.01571	0.01551	0.01535	
	0.01354					
1965	0.01784	0.01783	0.01775	0.01754	0.01738	
	0.01557					
1966	0.0195	0.01949	0.01939	0.01916	0.01898	
	0.0172					
1967	0.0209	0.02089	0.02079	0.02054	0.02035	
	0.01851					
1968	0.02167	0.02166	0.02155	0.02129	0.0211	
	0.0193					
1969	0.02244	0.02243	0.02231	0.02205	0.02185	
	0.02006					
1970	0.0228	0.02278	0.02267	0.0224	0.0222	
	0.02044					
1971	0.02337	0.02336	0.02324	0.02297	0.02277	
	0.02094					
1972	0.02373	0.02372	0.0236	0.02332	0.0231	
	0.02132					
1973	0.02405	0.02404	0.0239	0.02361	0.0234	
	0.02165					
1974	0.02434	0.02433	0.02421	0.02392	0.02371	
	0.0219					
1975	0.02455	0.02454	0.02442	0.02414	0.02393	
	0.02215					
1976	0.0248	0.02479	0.02465	0.02435	0.02413	
	0.02231					
1977	0.02478	0.02477	0.02464	0.02436	0.02414	
	0.02233					
1978	0.02461	0.0246	0.02447	0.02419	0.02398	
	0.02222					
1979	0.02471	0.02469	0.02457	0.02427	0.02405	
	0.02224					
1980	0.02456	0.02455	0.02442	0.02414	0.02393	
	0.02215					
1981	0.02457	0.02456	0.02441	0.02412	0.0239	
	0.02217					
1982	0.02498	0.02496	0.02484	0.02456	0.02434	
	0.02253					
1983	0.02501	0.025	0.02486	0.02457	0.02434	
	0.02247					
1984	0.02445	0.02443	0.02431	0.02402	0.02379	0.022
1985	0.0244	0.02439	0.02424	0.02394	0.02371	
	0.02194					
1986	0.02431	0.02429	0.02416	0.02387	0.02365	
	0.02191					
1987	0.02422	0.02421	0.02408	0.02379	0.02357	
	0.0218					
1988	0.02398	0.02397	0.02383	0.02354	0.02331	
	0.02155					
1989	0.02391	0.0239	0.02376	0.02347	0.02326	
	0.02152					
1990	0.02399	0.02398	0.02385	0.02355	0.02333	
	0.02151					
Sorted results						
Prob.	Peak	96 hr	21 Day	60 Day	90 Day	
	Yearly					

0.032258064516129	0.02501	0.025	0.02486	0.02457
0.02434	0.02253			
0.0645161290322581	0.02498	0.02496	0.02484	0.02456
0.02434	0.02247			
0.0967741935483871	0.0248	0.02479	0.02465	0.02436
0.02414	0.02233			
0.129032258064516	0.02478	0.02477	0.02464	0.02435
0.02413	0.02231			
0.161290322580645	0.02471	0.02469	0.02457	0.02427
0.02405	0.02224			
0.193548387096774	0.02461	0.0246	0.02447	0.02419
0.02398	0.02222			
0.225806451612903	0.02457	0.02456	0.02442	0.02414
0.02393	0.02217			
0.258064516129032	0.02456	0.02455	0.02442	0.02414
0.02393	0.02215			
0.290322580645161	0.02455	0.02454	0.02441	0.02412
0.0239	0.02215			
0.32258064516129	0.02445	0.02443	0.02431	0.02402
0.02379	0.022			
0.354838709677419	0.0244	0.02439	0.02424	0.02394
0.02371	0.02194			
0.387096774193548	0.02434	0.02433	0.02421	0.02392
0.02371	0.02191			
0.419354838709677	0.02431	0.02429	0.02416	0.02387
0.02365	0.0219			
0.451612903225806	0.02422	0.02421	0.02408	0.02379
0.02357	0.0218			
0.483870967741936	0.02405	0.02404	0.0239	0.02361
0.0234	0.02165			
0.516129032258065	0.02399	0.02398	0.02385	0.02355
0.02333	0.02155			
0.548387096774194	0.02398	0.02397	0.02383	0.02354
0.02331	0.02152			
0.580645161290323	0.02391	0.0239	0.02376	0.02347
0.02326	0.02151			
0.612903225806452	0.02373	0.02372	0.0236	0.02332
0.0231	0.02132			
0.645161290322581	0.02337	0.02336	0.02324	0.02297
0.02277	0.02094			
0.67741935483871	0.0228	0.02278	0.02267	0.0224
0.0222	0.02044			
0.709677419354839	0.02244	0.02243	0.02231	0.02205
0.02185	0.02006			
0.741935483870968	0.02167	0.02166	0.02155	0.02129
0.0211	0.0193			
0.774193548387097	0.0209	0.02089	0.02079	0.02054
0.02035	0.01851			
0.806451612903226	0.0195	0.01949	0.01939	0.01916
0.01898	0.0172			
0.838709677419355	0.01784	0.01783	0.01775	0.01754
0.01738	0.01557			
0.870967741935484	0.0158	0.01579	0.01571	0.01551
0.01535	0.01354			
0.903225806451613	0.01324	0.01323	0.01317	0.013
0.01288	0.01104			

0.935483870967742	0.009659	0.009654	0.009609	0.009491
0.009396	0.007606			
0.967741935483871	0.005356	0.005353	0.005327	0.005255
0.005197	0.003343			

0.1	0.024798	0.024788	0.024649	0.024359	0.024139
	0.022328				

Average of yearly

averages: 0.0195073

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-resid-air

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.

app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

38. CAresidentialRLF: Non Crop Land. April 1, 10 Applications, Ground.

38.1. Water Column

stored as esfen-agdrift-noncrop-resid-grd.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01473 0.001499	0.004938	0.003422	0.002965	0.002586
1962	0.01663 0.00325	0.008234	0.005078	0.004615	0.004232
1963	0.018 0.004781	0.008363	0.006821	0.00639	0.005999
1964	0.01897 0.005628	0.009165	0.007675	0.00727	0.006866
1965	0.01948 0.006254	0.009858	0.008306	0.007908	0.007504
1966	0.02027 0.006793	0.01035	0.008883	0.00848	0.008074
1967	0.02098 0.00755	0.01114	0.009652	0.009273	0.008869
1968	0.02103 0.007723	0.01139	0.009839	0.009453	0.00904
1969	0.02127 0.007989	0.01162	0.0101	0.009723	0.009301
1970	0.02179 0.00815	0.01177	0.01024	0.009874	0.009455
1971	0.0217 0.008278	0.01188	0.01041	0.01003	0.009615

1972	0.02164 0.008367	0.01195	0.01045	0.01007	0.009654
1973	0.02195 0.008662	0.01226	0.01076	0.01039	0.009974
1974	0.02218 0.008742	0.01237	0.01091	0.01053	0.01012
1975	0.02217 0.008742	0.01234	0.01089	0.0105	0.01008
1976	0.02226 0.008695	0.01232	0.01087	0.0105	0.01008
1977	0.022 0.008689	0.01236	0.01084	0.01046	0.01004
1978	0.02241 0.008699	0.01237	0.01085	0.01049	0.01006
1979	0.02228 0.008786	0.01245	0.01093	0.01056	0.01014
1980	0.02213 0.008778	0.01242	0.01093	0.01055	0.01013
1981	0.0221 0.00876	0.01238	0.01087	0.0105	0.01008
1982	0.03251 0.009548	0.01464	0.01162	0.01129	0.01086
1983	0.02302 0.009447	0.01313	0.01163	0.01127	0.01085
1984	0.02283 0.009121	0.0128	0.01128	0.01092	0.0105
1985	0.02229 0.008966	0.01262	0.01112	0.01078	0.01035
1986	0.02245 0.008897	0.01251	0.01105	0.01069	0.01027
1987	0.02214 0.008709	0.01232	0.01086	0.01051	0.01009
1988	0.02223 0.008505	0.0122	0.01066	0.01031	0.009879
1989	0.02208 0.008395	0.01205	0.01053	0.01016	0.009742
1990	0.0218 0.008323	0.012	0.01047	0.01012	0.009701

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01086	0.03251	0.01464	0.01163	0.01129
0.0645161290322581	0.01085	0.009548	0.02302	0.01162	0.01127
0.0967741935483871	0.0105	0.009447	0.02302	0.01162	0.01127
0.129032258064516	0.01035	0.02283	0.0128	0.01128	0.01092
0.161290322580645	0.01027	0.009121	0.0128	0.01128	0.01092
0.193548387096774	0.01014	0.02245	0.01262	0.01112	0.01078
0.225806451612903	0.01013	0.008966	0.01262	0.01112	0.01078
		0.02241	0.01251	0.01105	0.01069
		0.008897	0.01251	0.01105	0.01069
		0.02229	0.01245	0.01093	0.01056
		0.008786	0.01245	0.01093	0.01056
		0.02228	0.01242	0.01093	0.01055
		0.008778	0.01242	0.01093	0.01055

0.258064516129032	0.02226	0.01238	0.01091	0.01053
0.01012	0.00876			
0.290322580645161	0.02223	0.01237	0.01089	0.01051
0.01009	0.008742			
0.32258064516129	0.02218	0.01237	0.01087	0.0105
0.01008	0.008742			
0.354838709677419	0.02217	0.01236	0.01087	0.0105
0.01008	0.008709			
0.387096774193548	0.02214	0.01234	0.01086	0.0105
0.01008	0.008699			
0.419354838709677	0.02213	0.01232	0.01085	0.01049
0.01006	0.008695			
0.451612903225806	0.0221	0.01232	0.01084	0.01046
0.01004	0.008689			
0.483870967741936	0.02208	0.01226	0.01076	0.01039
0.009974	0.008662			
0.516129032258065	0.022	0.0122	0.01066	0.01031
0.009879	0.008505			
0.548387096774194	0.02195	0.01205	0.01053	0.01016
0.009742	0.008395			
0.580645161290323	0.0218	0.012	0.01047	0.01012
0.009701	0.008367			
0.612903225806452	0.02179	0.01195	0.01045	0.01007
0.009654	0.008323			
0.645161290322581	0.0217	0.01188	0.01041	0.01003
0.009615	0.008278			
0.67741935483871	0.02164	0.01177	0.01024	0.009874
0.009455	0.00815			
0.709677419354839	0.02127	0.01162	0.0101	0.009723
0.009301	0.007989			
0.741935483870968	0.02103	0.01139	0.009839	0.009453
0.00904	0.007723			
0.774193548387097	0.02098	0.01114	0.009652	0.009273
0.008869	0.00755			
0.806451612903226	0.02027	0.01035	0.008883	0.00848
0.008074	0.006793			
0.838709677419355	0.01948	0.009858	0.008306	0.007908
0.007504	0.006254			
0.870967741935484	0.01897	0.009165	0.007675	0.00727
0.006866	0.005628			
0.903225806451613	0.018	0.008363	0.006821	0.00639
0.005999	0.004781			
0.935483870967742	0.01663	0.008234	0.005078	0.004615
0.004232	0.00325			
0.967741935483871	0.01473	0.004938	0.003422	0.002965
0.002586	0.001499			

0.1	0.022792	0.012782	0.011264	0.010906	0.010485
	0.0091055				

Average of yearly

averages: 0.0078242

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-resid-grd

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift	DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date		01-04	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		
Interval 4	interval	7	days		Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha		
Interval 5	interval	7	days		Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha		
Interval 6	interval	7	days		Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha		
Interval 7	interval	7	days		Set to 0 or delete line for single app.
app. rate 7	apprate		kg/ha		
Interval 8	interval	7	days		Set to 0 or delete line for single app.
app. rate 8	apprate		kg/ha		
Interval 9	interval	7	days		Set to 0 or delete line for single app.
app. rate 9	apprate		kg/ha		
Record 17:	FILTRA				
	IPSCND	1			
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				

FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

38.2. Pore Water

stored as esfen-agdrift-noncrop-resid-grdben.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0006129 0.0003996	0.0006124	0.000612	0.000611	0.0006099
1962	0.001311 0.001005	0.00131	0.001304	0.001289	0.001269
1963	0.00182 0.001576	0.00182	0.001815	0.001801	0.001788
1964	0.002129 0.001881	0.002128	0.002119	0.0021	0.002085
1965	0.002356 0.002108	0.002355	0.002348	0.002328	0.002312
1966	0.002556 0.002305	0.002555	0.002546	0.002522	0.002504
1967	0.002837 0.002561	0.002835	0.002825	0.002799	0.002778
1968	0.0029 0.002637	0.002899	0.002887	0.002862	0.002841
1969	0.002992 0.00273	0.00299	0.002977	0.00295	0.002929
1970	0.003043 0.002785	0.003041	0.00303	0.003002	0.00298
1971	0.003104 0.002839	0.003103	0.003091	0.003065	0.003044
1972	0.003116 0.002864	0.003114	0.003104	0.003075	0.003052
1973	0.003227 0.002965	0.003225	0.003212	0.003181	0.003159
1974	0.003281 0.003006	0.00328	0.003267	0.003236	0.003211
1975	0.003271 0.003005	0.003269	0.003257	0.003228	0.003205
1976	0.003268 0.002988	0.003266	0.003251	0.00322	0.003196
1977	0.003258 0.002986	0.003257	0.003243	0.003211	0.003187
1978	0.003256 0.002985	0.003254	0.003242	0.003212	0.003189
1979	0.003285 0.00301	0.003283	0.003272	0.00324	0.003215

1980	0.003286 0.003017	0.003284	0.003272	0.003242	0.003219
1981	0.003263 0.003002	0.003261	0.003247	0.003216	0.003193
1982	0.00354 0.00326	0.003539	0.003524	0.003492	0.003468
1983	0.00354 0.003252	0.003538	0.003523	0.003491	0.003464
1984	0.003411 0.00314	0.003409	0.003396	0.003364	0.003339
1985	0.003361 0.003086	0.003359	0.003344	0.003311	0.003285
1986	0.003334 0.003058	0.003332	0.003318	0.003286	0.003262
1987	0.003264 0.002993	0.003263	0.003249	0.003217	0.003193
1988	0.003192 0.00292	0.00319	0.003175	0.003144	0.00312
1989	0.003143 0.002882	0.003141	0.003127	0.003097	0.003074
1990	0.003128 0.002856	0.003127	0.003115	0.003084	0.00306

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.003468	0.00354	0.003539	0.003524	0.003492
0.0645161290322581	0.003464	0.00354	0.003538	0.003523	0.003491
0.0967741935483871	0.003339	0.003411	0.003409	0.003396	0.003364
0.129032258064516	0.003285	0.003361	0.003359	0.003344	0.003311
0.161290322580645	0.003262	0.003334	0.003332	0.003318	0.003286
0.193548387096774	0.003219	0.003286	0.003284	0.003272	0.003242
0.225806451612903	0.003215	0.003285	0.003283	0.003272	0.00324
0.258064516129032	0.003211	0.003281	0.00328	0.003267	0.003236
0.290322580645161	0.003205	0.003271	0.003269	0.003257	0.003228
0.32258064516129	0.003196	0.003268	0.003266	0.003251	0.00322
0.354838709677419	0.003193	0.003264	0.003263	0.003249	0.003217
0.387096774193548	0.003193	0.003263	0.003261	0.003247	0.003216
0.419354838709677	0.003189	0.003258	0.003257	0.003243	0.003212
0.451612903225806	0.003187	0.003256	0.003254	0.003242	0.003211
0.483870967741936	0.003159	0.003227	0.003225	0.003212	0.003181

0.516129032258065	0.003192	0.00319	0.003175	0.003144
0.00312	0.00292			
0.548387096774194	0.003143	0.003141	0.003127	0.003097
0.003074	0.002882			
0.580645161290323	0.003128	0.003127	0.003115	0.003084
0.00306	0.002864			
0.612903225806452	0.003116	0.003114	0.003104	0.003075
0.003052	0.002856			
0.645161290322581	0.003104	0.003103	0.003091	0.003065
0.003044	0.002839			
0.67741935483871	0.003043	0.003041	0.00303	0.003002
0.00298	0.002785			
0.709677419354839	0.002992	0.00299	0.002977	0.00295
0.002929	0.00273			
0.741935483870968	0.0029	0.002899	0.002887	0.002862
0.002841	0.002637			
0.774193548387097	0.002837	0.002835	0.002825	0.002799
0.002778	0.002561			
0.806451612903226	0.002556	0.002555	0.002546	0.002522
0.002504	0.002305			
0.838709677419355	0.002356	0.002355	0.002348	0.002328
0.002312	0.002108			
0.870967741935484	0.002129	0.002128	0.002119	0.0021
0.002085	0.001881			
0.903225806451613	0.00182	0.00182	0.001815	0.001801
0.001788	0.001576			
0.935483870967742	0.001311	0.00131	0.001304	0.001289
0.001269	0.001005			
0.967741935483871	0.0006129	0.0006124	0.000612	0.000611
0.0006099	0.0003996			
0.1	0.003406	0.003404	0.0033908	0.0033587
	0.0031346			

Average of yearly

averages: 0.0026700533333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-resid-grd

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.99	fraction
Spray Drift DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for single app.
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for single app.
app. rate 9 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

39. CArightofwayRLF: Non Cropland. April 1, 10 Applications, Ground.

39.1. Water Column

stored as esfen-agdrift-noncrop-row-grd.out

Chemical: esfenAgDRIFT

PRZM environment: CArightofwayRLF.txt modified Tuesday, 20 February 2007 at 12:04:22

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.01777 0.001584	0.008733	0.003817	0.002958	0.002554
1962	0.078 0.005412	0.03901	0.01338	0.009064	0.008356
1963	0.03442 0.008962	0.01736	0.01102	0.01079	0.01037
1964	0.03911 0.00969	0.01717	0.01172	0.01128	0.01088
1965	0.02864 0.01066	0.01605	0.01258	0.01251	0.01198
1966	0.02464 0.01151	0.0162	0.01343	0.01315	0.01269
1967	0.07252 0.01393	0.02927	0.01745	0.01616	0.01564
1968	0.02945 0.01361	0.01944	0.01573	0.01549	0.01503
1969	0.0339 0.01453	0.01997	0.01653	0.01631	0.01587
1970	0.04254 0.01475	0.02451	0.01668	0.01641	0.01594
1971	0.02774 0.01424	0.018	0.01653	0.01629	0.01582
1972	0.05302 0.01358	0.02538	0.01605	0.01505	0.01451
1973	0.04527 0.01549	0.02328	0.01726	0.01705	0.01657
1974	0.03782 0.0154	0.02072	0.01771	0.01756	0.01713
1975	0.02813 0.01467	0.0184	0.01693	0.01671	0.01629
1976	0.04211 0.01352	0.01902	0.01575	0.01551	0.01504
1977	0.0335 0.01329	0.01841	0.01538	0.01512	0.01466
1978	0.03325 0.0145	0.02039	0.017	0.01672	0.01618
1979	0.04265 0.01466	0.02303	0.01664	0.01643	0.01598
1980	0.02878 0.01505	0.02036	0.01726	0.01704	0.01657
1981	0.05088 0.01468	0.0236	0.01653	0.01631	0.01583
1982	0.1041 0.01747	0.03796	0.02035	0.01943	0.0189
1983	0.04206 0.01837	0.0246	0.0207	0.02049	0.01993
1984	0.04149 0.01694	0.02232	0.01901	0.01886	0.01836
1985	0.03154 0.01589	0.01963	0.01817	0.01798	0.01749
1986	0.03457 0.01578	0.02366	0.01809	0.01789	0.01749
1987	0.02782 0.01445	0.0187	0.01662	0.01642	0.01594

1988	0.03044 0.0136	0.01875	0.01602	0.01577	0.01523
1989	0.02614 0.01281	0.0164	0.01493	0.01471	0.01424
1990	0.04047 0.01229	0.01969	0.01525	0.0144	0.01391

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01993	0.1041	0.03901	0.0207	0.02049
0.0645161290322581	0.0189	0.078	0.03796	0.02035	0.01943
0.0967741935483871	0.01836	0.07252	0.02927	0.01901	0.01886
0.129032258064516	0.01749	0.05302	0.02538	0.01817	0.01798
0.161290322580645	0.01749	0.05088	0.0246	0.01809	0.01789
0.193548387096774	0.01713	0.04527	0.02451	0.01771	0.01756
0.225806451612903	0.01657	0.04265	0.02366	0.01745	0.01705
0.258064516129032	0.01657	0.04254	0.0236	0.01726	0.01704
0.290322580645161	0.01629	0.04211	0.02328	0.01726	0.01672
0.32258064516129	0.01618	0.04206	0.02303	0.017	0.01671
0.354838709677419	0.01598	0.04149	0.02232	0.01693	0.01643
0.387096774193548	0.01594	0.04047	0.02072	0.01668	0.01642
0.419354838709677	0.01594	0.03911	0.02039	0.01664	0.01641
0.451612903225806	0.01587	0.03782	0.02036	0.01662	0.01631
0.483870967741936	0.01583	0.03457	0.01997	0.01653	0.01631
0.516129032258065	0.01582	0.03442	0.01969	0.01653	0.01629
0.548387096774194	0.01564	0.0339	0.01963	0.01653	0.01616
0.580645161290323	0.01523	0.0335	0.01944	0.01605	0.01577
0.612903225806452	0.01504	0.03325	0.01902	0.01602	0.01551
0.645161290322581	0.01503	0.03154	0.01875	0.01575	0.01549
0.67741935483871	0.01466	0.03044	0.0187	0.01573	0.01512
0.709677419354839	0.01451	0.02945	0.01841	0.01538	0.01505
0.741935483870968	0.01424	0.02878	0.0184	0.01525	0.01471

0.774193548387097	0.02864	0.018	0.01493	0.0144
0.01391	0.01229			
0.806451612903226	0.02813	0.01736	0.01343	0.01315
0.01269	0.01151			
0.838709677419355	0.02782	0.01717	0.01338	0.01251
0.01198	0.01066			
0.870967741935484	0.02774	0.0164	0.01258	0.01128
0.01088	0.00969			
0.903225806451613	0.02614	0.0162	0.01172	0.01079
0.01037	0.008962			
0.935483870967742	0.02464	0.01605	0.01102	0.009064
0.008356	0.005412			
0.967741935483871	0.01777	0.008733	0.003817	0.002958
0.002554	0.001584			
0.1	0.07057	0.028881	0.018926	0.018772
0.016835				0.018273

Average of yearly

averages: 0.0133772666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-row-grd

Metfile: w23234.dvf

PRZM scenario: CArightofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-04	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		

Interval 3	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

39.2. Pore Water

stored as esfen-agdrift-noncrop-row-grdben.out

Chemical: esfenAgDRIFT

PRZM environment: CARightofwayRLF.txt

modified Tuesday, 20 February

2007 at 12:04:22

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0007938 0.0003979	0.0007935	0.0007908	0.0006747	0.0006297
1962	0.002533 0.001599	0.002532	0.002494	0.00245	0.002356
1963	0.003344 0.003005	0.003342	0.003325	0.00329	0.003262
1964	0.003556 0.003276	0.003554	0.00354	0.003502	0.003473
1965	0.003902 0.003601	0.0039	0.003881	0.003844	0.003815
1966	0.004205 0.003933	0.004203	0.004182	0.004141	0.004111

1967	0.005169 0.00472	0.005166	0.005141	0.005087	0.005051
1968	0.005033 0.004691	0.00503	0.005008	0.004963	0.00493
1969	0.005316 0.004963	0.005313	0.00529	0.005246	0.005212
1970	0.005351 0.005045	0.005348	0.005326	0.005283	0.005249
1971	0.00532 0.004975	0.005318	0.005295	0.005251	0.005216
1972	0.004931 0.00465	0.004929	0.004909	0.004861	0.004785
1973	0.005579 0.005263	0.005576	0.005553	0.005506	0.005471
1974	0.005743 0.005367	0.00574	0.005717	0.00567	0.005634
1975	0.005463 0.005097	0.00546	0.005438	0.005394	0.00536
1976	0.005035 0.004693	0.005033	0.00501	0.004964	0.00493
1977	0.004906 0.004592	0.004903	0.004882	0.004839	0.004805
1978	0.005376 0.00496	0.005373	0.005351	0.005308	0.005276
1979	0.005355 0.005003	0.005353	0.00533	0.005286	0.005252
1980	0.005581 0.005203	0.005578	0.005556	0.00551	0.005475
1981	0.005316 0.005016	0.005313	0.00529	0.005242	0.005207
1982	0.006286 0.005901	0.006283	0.006259	0.006214	0.00618
1983	0.006744 0.006301	0.00674	0.006716	0.006671	0.00663
1984	0.006212 0.005908	0.006205	0.00618	0.006138	0.006104
1985	0.005905 0.005548	0.005901	0.005877	0.005829	0.005793
1986	0.005875 0.005459	0.005872	0.005849	0.005802	0.005767
1987	0.005348 0.005014	0.005345	0.005323	0.005278	0.005245
1988	0.005057 0.004706	0.005054	0.005031	0.004986	0.004951
1989	0.004743 0.004448	0.004741	0.004718	0.004674	0.00464
1990	0.004635 0.004257	0.004632	0.004609	0.00455	0.004508

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.006744	0.00674	0.006716	0.006671	
	0.00663	0.006301			
0.0645161290322581	0.006286	0.006283	0.006259	0.006214	
	0.00618	0.005908			

0.0967741935483871	0.006212	0.006205	0.00618	0.006138
0.006104	0.005901			
0.129032258064516	0.005905	0.005901	0.005877	0.005829
0.005793	0.005548			
0.161290322580645	0.005875	0.005872	0.005849	0.005802
0.005767	0.005459			
0.193548387096774	0.005743	0.00574	0.005717	0.00567
0.005634	0.005367			
0.225806451612903	0.005581	0.005578	0.005556	0.00551
0.005475	0.005263			
0.258064516129032	0.005579	0.005576	0.005553	0.005506
0.005471	0.005203			
0.290322580645161	0.005463	0.00546	0.005438	0.005394
0.00536	0.005097			
0.32258064516129	0.005376	0.005373	0.005351	0.005308
0.005276	0.005045			
0.354838709677419	0.005355	0.005353	0.00533	0.005286
0.005252	0.005016			
0.387096774193548	0.005351	0.005348	0.005326	0.005283
0.005249	0.005014			
0.419354838709677	0.005348	0.005345	0.005323	0.005278
0.005245	0.005003			
0.451612903225806	0.00532	0.005318	0.005295	0.005251
0.005216	0.004975			
0.483870967741936	0.005316	0.005313	0.00529	0.005246
0.005212	0.004963			
0.516129032258065	0.005316	0.005313	0.00529	0.005242
0.005207	0.00496			
0.548387096774194	0.005169	0.005166	0.005141	0.005087
0.005051	0.00472			
0.580645161290323	0.005057	0.005054	0.005031	0.004986
0.004951	0.004706			
0.612903225806452	0.005035	0.005033	0.00501	0.004964
0.00493	0.004693			
0.645161290322581	0.005033	0.00503	0.005008	0.004963
0.00493	0.004691			
0.67741935483871	0.004931	0.004929	0.004909	0.004861
0.004805	0.00465			
0.709677419354839	0.004906	0.004903	0.004882	0.004839
0.004785	0.004592			
0.741935483870968	0.004743	0.004741	0.004718	0.004674
0.00464	0.004448			
0.774193548387097	0.004635	0.004632	0.004609	0.00455
0.004508	0.004257			
0.806451612903226	0.004205	0.004203	0.004182	0.004141
0.004111	0.003933			
0.838709677419355	0.003902	0.0039	0.003881	0.003844
0.003815	0.003601			
0.870967741935484	0.003556	0.003554	0.00354	0.003502
0.003473	0.003276			
0.903225806451613	0.003344	0.003342	0.003325	0.00329
0.003262	0.003005			
0.935483870967742	0.002533	0.002532	0.002494	0.00245
0.002356	0.001599			
0.967741935483871	0.0007938	0.0007935	0.0007908	0.0006747
0.0006297	0.0003979			

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Average of yearly

Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF		none	none, monthly or
total(average of entire run)				

40. CArightofwayRLF: Non Cropland. April 1, 10 Applications, Aerial.

40.1. Water Column

stored as esfen-agdrift-noncrop-row-air.out

Chemical: esfenAgDRIFT

PRZM environment: CArightofwayRLF.txt

modified Tuesday, 20 February

2007 at 12:04:22

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.1313 0.01264	0.04385	0.03018	0.0263	0.02273
1962	0.1446 0.02652	0.05886	0.0435	0.03979	0.03616
1963	0.1573 0.03791	0.06979	0.05621	0.05278	0.04907
1964	0.1641 0.04472	0.07663	0.06321	0.05966	0.05596
1965	0.1701 0.05068	0.08263	0.06909	0.06595	0.06211
1966	0.175 0.0555	0.08752	0.07402	0.07079	0.06698
1967	0.1832 0.06074	0.094	0.07999	0.07671	0.07294
1968	0.1823 0.06241	0.09482	0.08134	0.0782	0.07436
1969	0.185 0.06516	0.09746	0.08401	0.08098	0.07714
1970	0.1859 0.06629	0.0984	0.08496	0.08196	0.07807
1971	0.1873 0.06705	0.09975	0.08629	0.08319	0.07932
1972	0.187 0.06739	0.09947	0.08602	0.08299	0.07911
1973	0.1895 0.06988	0.102	0.08859	0.08563	0.08171

1974	0.1906 0.07037	0.1031	0.08966	0.08664	0.08285
1975	0.1905 0.07037	0.103	0.08953	0.08654	0.08267
1976	0.1901 0.06975	0.1025	0.08912	0.08614	0.08222
1977	0.1897 0.0696	0.1022	0.08872	0.08567	0.0818
1978	0.1905 0.07046	0.1029	0.08951	0.08685	0.08288
1979	0.1906 0.07061	0.1031	0.08966	0.08678	0.08285
1980	0.1908 0.0707	0.1033	0.08982	0.08681	0.08293
1981	0.1902 0.07043	0.1027	0.08925	0.08631	0.08237
1982	0.1931 0.07339	0.1056	0.09214	0.08938	0.08548
1983	0.1944 0.07411	0.1069	0.09348	0.09072	0.08672
1984	0.1918 0.07173	0.1042	0.09084	0.088	0.08407
1985	0.191 0.07071	0.1035	0.09005	0.08713	0.08319
1986	0.1907 0.0706	0.1032	0.08978	0.08683	0.0829
1987	0.1893 0.0692	0.1018	0.08835	0.0855	0.08156
1988	0.188 0.06789	0.101	0.0872	0.08434	0.08035
1989	0.1872 0.06717	0.09962	0.0862	0.08328	0.07936
1990	0.2001 0.06672	0.102	0.08676	0.08322	0.07929

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.2001	0.1069	0.09348	0.09072	
0.08672	0.07411				
0.0645161290322581	0.1944	0.1056	0.09214	0.08938	
0.08548	0.07339				
0.0967741935483871	0.1931	0.1042	0.09084	0.088	
0.08407	0.07173				
0.129032258064516	0.1918	0.1035	0.09005	0.08713	
0.08319	0.07071				
0.161290322580645	0.191	0.1033	0.08982	0.08685	
0.08293	0.0707				
0.193548387096774	0.1908	0.1032	0.08978	0.08683	
0.0829	0.07061				
0.225806451612903	0.1907	0.1031	0.08966	0.08681	
0.08288	0.0706				
0.258064516129032	0.1906	0.1031	0.08966	0.08678	
0.08285	0.07046				
0.290322580645161	0.1906	0.103	0.08953	0.08664	
0.08285	0.07043				

0.32258064516129	0.1905	0.1029	0.08951	0.08654
0.08267	0.07037			
0.354838709677419	0.1905	0.1027	0.08925	0.08631
0.08237	0.07037			
0.387096774193548	0.1902	0.1025	0.08912	0.08614
0.08222	0.06988			
0.419354838709677	0.1901	0.1022	0.08872	0.08567
0.0818	0.06975			
0.451612903225806	0.1897	0.102	0.08859	0.08563
0.08171	0.0696			
0.483870967741936	0.1895	0.102	0.08835	0.0855
0.08156	0.0692			
0.516129032258065	0.1893	0.1018	0.0872	0.08434
0.08035	0.06789			
0.548387096774194	0.188	0.101	0.08676	0.08328
0.07936	0.06739			
0.580645161290323	0.1873	0.09975	0.08629	0.08322
0.07932	0.06717			
0.612903225806452	0.1872	0.09962	0.0862	0.08319
0.07929	0.06705			
0.645161290322581	0.187	0.09947	0.08602	0.08299
0.07911	0.06672			
0.67741935483871	0.1859	0.0984	0.08496	0.08196
0.07807	0.06629			
0.709677419354839	0.185	0.09746	0.08401	0.08098
0.07714	0.06516			
0.741935483870968	0.1832	0.09482	0.08134	0.0782
0.07436	0.06241			
0.774193548387097	0.1823	0.094	0.07999	0.07671
0.07294	0.06074			
0.806451612903226	0.175	0.08752	0.07402	0.07079
0.06698	0.0555			
0.838709677419355	0.1701	0.08263	0.06909	0.06595
0.06211	0.05068			
0.870967741935484	0.1641	0.07663	0.06321	0.05966
0.05596	0.04472			
0.903225806451613	0.1573	0.06979	0.05621	0.05278
0.04907	0.03791			
0.935483870967742	0.1446	0.05886	0.0435	0.03979
0.03616	0.02652			
0.967741935483871	0.1313	0.04385	0.03018	0.0263
0.02273	0.01264			
0.1	0.19297	0.10413	0.090761	0.087913
0.071628				0.083982

Average of yearly

averages: 0.06269

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-row-air

Metfile: w23234.dvf

PRZM scenario: CArighofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw	276		days
Halfife				
Anaerobic Aquatic Metabolism	kbacs	462		days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for single app.
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for single app.
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for single app.
app. rate 9	apprate		kg/ha	
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none		none, monthly or
total(average of entire run)				

40.2. Pore Water

stored as esfen-agdrift-noncrop-row-airben.out

Chemical: esfenAgDRIFT

PRZM environment: CArighofwayRLF.txt

modified Tuesday, 20 February

2007 at 12:04:22

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.005349 0.003341	0.005346	0.005315	0.005233	0.005169	
1962	0.01012 0.008171	0.01012	0.01006	0.009929	0.009825	
1963	0.01468 0.01239	0.01467	0.0146	0.01441	0.01426	
1964	0.01714 0.01486	0.01714	0.01705	0.01683	0.01665	
1965	0.0193 0.01698	0.01929	0.0192	0.01897	0.01879	
1966	0.02106 0.01874	0.02105	0.02093	0.02068	0.02049	
1967	0.0231 0.02055	0.02309	0.02297	0.0227	0.02248	
1968	0.02369 0.02123	0.02367	0.02354	0.02326	0.02305	
1969	0.02464 0.02217	0.02462	0.02449	0.0242	0.02398	
1970	0.02497 0.02257	0.02496	0.02483	0.02454	0.02431	
1971	0.02546 0.02296	0.02545	0.02531	0.02502	0.0248	
1972	0.02536	0.02535	0.02521	0.02491	0.02468	0.023
1973	0.02627 0.02382	0.02626	0.02611	0.0258	0.02557	
1974	0.02667 0.02413	0.02666	0.02652	0.02621	0.02597	
1975	0.02662 0.02412	0.02661	0.02647	0.02617	0.02594	
1976	0.02647 0.02391	0.02645	0.0263	0.02599	0.02575	
1977	0.02633 0.02384	0.02632	0.02618	0.02588	0.02565	
1978	0.02661 0.02408	0.02659	0.02645	0.02616	0.02593	
1979	0.02666 0.02412	0.02664	0.0265	0.02619	0.02595	
1980	0.02673 0.02422	0.02671	0.02657	0.02627	0.02604	
1981	0.02651 0.02406	0.02649	0.02633	0.02602	0.02579	
1982	0.02756 0.02501	0.02754	0.0274	0.0271	0.02687	

1983	0.02803 0.02535	0.02801	0.02786	0.02754	0.02729
1984	0.02708 0.02461	0.02707	0.02692	0.02661	0.02637
1985	0.0268 0.02425	0.02678	0.02662	0.02629	0.02604
1986	0.0267 0.02417	0.02669	0.02653	0.02622	0.02599
1987	0.02619 0.0237	0.02617	0.02602	0.02571	0.02548
1988	0.02573 0.02322	0.02572	0.02558	0.02526	0.02502
1989	0.02542 0.02299	0.0254	0.02525	0.02494	0.02471
1990	0.02541 0.02282	0.02539	0.02524	0.02493	0.02468

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02729	0.02803 0.02535	0.02801	0.02786	0.02754
0.0645161290322581	0.02687	0.02756 0.02501	0.02754	0.0274	0.0271
0.0967741935483871	0.02637	0.02708 0.02461	0.02707	0.02692	0.02661
0.129032258064516	0.02604	0.0268 0.02425	0.02678	0.02662	0.02629
0.161290322580645	0.02604	0.02673 0.02422	0.02671	0.02657	0.02627
0.193548387096774	0.02599	0.0267 0.02417	0.02669	0.02653	0.02622
0.225806451612903	0.02597	0.02667 0.02413	0.02666	0.02652	0.02621
0.258064516129032	0.02595	0.02666 0.02412	0.02664	0.0265	0.02619
0.290322580645161	0.02594	0.02662 0.02412	0.02661	0.02647	0.02617
0.32258064516129	0.02593	0.02661 0.02408	0.02659	0.02645	0.02616
0.354838709677419	0.02579	0.02651 0.02406	0.02649	0.02633	0.02602
0.387096774193548	0.02575	0.02647 0.02391	0.02645	0.0263	0.02599
0.419354838709677	0.02565	0.02633 0.02384	0.02632	0.02618	0.02588
0.451612903225806	0.02557	0.02627 0.02382	0.02626	0.02611	0.0258
0.483870967741936	0.02548	0.02619 0.0237	0.02617	0.02602	0.02571
0.516129032258065	0.02502	0.02573 0.02322	0.02572	0.02558	0.02526
0.548387096774194	0.0248	0.02546 0.023	0.02545	0.02531	0.02502
0.580645161290323	0.02471	0.02542 0.02299	0.0254	0.02525	0.02494

0.612903225806452	0.02541	0.02539	0.02524	0.02493
0.02468	0.02296			
0.645161290322581	0.02536	0.02535	0.02521	0.02491
0.02468	0.02282			
0.67741935483871	0.02497	0.02496	0.02483	0.02454
0.02431	0.02257			
0.709677419354839	0.02464	0.02462	0.02449	0.0242
0.02398	0.02217			
0.741935483870968	0.02369	0.02367	0.02354	0.02326
0.02305	0.02123			
0.774193548387097	0.0231	0.02309	0.02297	0.0227
0.02248	0.02055			
0.806451612903226	0.02106	0.02105	0.02093	0.02068
0.02049	0.01874			
0.838709677419355	0.0193	0.01929	0.0192	0.01897
0.01879	0.01698			
0.870967741935484	0.01714	0.01714	0.01705	0.01683
0.01665	0.01486			
0.903225806451613	0.01468	0.01467	0.0146	0.01441
0.01426	0.01239			
0.935483870967742	0.01012	0.01012	0.01006	0.009929
0.009825	0.008171			
0.967741935483871	0.005349	0.005346	0.005315	0.005233
0.005169	0.003341			
0.1	0.027052	0.027041	0.02689	0.026578
	0.024574			0.026337

Average of yearly

averages: 0.0213127333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-noncrop-row-air

Metfile: w23234.dvf

PRZM scenario: CArighofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	

Spray Drift DRFT	0.063	fraction of application rate applied to pond		
Application Date	Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		
Interval 9 interval	7	days	Set to 0 or delete line for single app.	
app. rate 9 apprate		kg/ha		
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

41. CAForestryRLF: Christmas Tree Plantings, Conifer Plantations, Orchards, Forest Tree Nurseries, and Forests. March 1, 25 Applications, Aerial.

41.1. Water Column

stored as esfen-agdrift-forestry-air-mar1.out

Chemical: esfenAgDRIFT

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day
	Yearly				

1961	0.6685 0.0478	0.1902	0.08732	0.06941	0.06491	
1962	2.511 0.1282	0.7694	0.2864	0.2189	0.1996	
1963	1.456 0.2468	0.6045	0.3594	0.2967	0.2853	
1964	1.162 0.2987	0.5607	0.3572	0.3317	0.3137	
1965	1.033 0.3384	0.5109	0.39	0.3671	0.363	
1966	1.355 0.3683	0.6114	0.4491	0.3991	0.3794	
1967	0.7364 0.3993	0.4796	0.4262	0.4206	0.4183	
1968	0.9393 0.3905	0.5266	0.4205	0.4033	0.4025	
1969	1.383 0.4077	0.6382	0.4631	0.4285	0.4243	
1970	1.257 0.4288	0.6753	0.53	0.4656	0.4419	
1971	0.8353 0.4566	0.5457	0.4924	0.4795	0.4762	
1972	1.227 0.4707	0.7611	0.5192	0.5013	0.4975	
1973	1.207 0.4596	0.6583	0.5035	0.4828	0.4745	
1974	1.975 0.5006	0.8892	0.5935	0.5486	0.5389	
1975	3.027	1.186	0.6895	0.6211	0.5902	0.551
1976	0.6889 0.5563	0.6125	0.5859	0.583	0.5811	
1977	1.174 0.5064	0.6667	0.5303	0.5197	0.5172	
1978	0.654 0.4798	0.5313	0.5027	0.5008	0.4989	
1979	1.552 0.4563	0.7274	0.5175	0.4745	0.4685	
1980	1.876 0.4762	0.8336	0.5469	0.5124	0.5047	
1981	1.641 0.5003	0.7845	0.5533	0.5214	0.5177	
1982	2.298 0.5239	0.9676	0.6185	0.5816	0.5527	
1983	1.451 0.5863	0.8532	0.6373	0.6238	0.6142	
1984	1.545 0.5666	0.7958	0.6143	0.5889	0.5765	
1985	1.572 0.5591	0.8696	0.6182	0.575	0.5731	
1986	0.9756 0.5447	0.6945	0.5882	0.575	0.5714	
1987	1.086	0.6996	0.5554	0.5247	0.5221	0.507
1988	0.96 0.4977	0.624	0.5309	0.5169	0.5123	
1989	0.6283 0.4797	0.5365	0.5034	0.5004	0.4988	

1990	0.6817 0.4472	0.5167	0.4698	0.4656	0.4651
Sorted results					
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.6142	3.027	1.186	0.6895	0.6238
0.0645161290322581	0.5902	0.5863	0.9676	0.6373	0.6211
0.0967741935483871	0.5811	2.511	0.8892	0.6185	0.5889
0.129032258064516	0.5765	2.298	0.8696	0.6182	0.583
0.161290322580645	0.5731	0.5591	0.8532	0.6143	0.5816
0.193548387096774	0.5714	1.975	0.8336	0.5935	0.575
0.225806451612903	0.5527	1.876	0.7958	0.5882	0.575
0.258064516129032	0.5389	0.551	0.7845	0.5859	0.5486
0.290322580645161	0.5221	1.641	0.7694	0.5554	0.5247
0.32258064516129	0.5177	1.641	0.7611	0.5533	0.5214
0.354838709677419	0.5172	0.5447	0.7274	0.5469	0.5197
0.387096774193548	0.5123	1.572	0.6996	0.5309	0.5169
0.419354838709677	0.5047	1.552	0.6945	0.5303	0.5124
0.451612903225806	0.4989	0.507	0.6753	0.53	0.5013
0.483870967741936	0.4988	1.545	0.6667	0.5192	0.5008
0.516129032258065	0.4975	0.5064	0.6583	0.5175	0.5004
0.548387096774194	0.4762	1.456	0.6382	0.5035	0.4828
0.580645161290323	0.4745	1.451	0.624	0.5034	0.4795
0.612903225806452	0.4685	0.5006	0.6125	0.5027	0.4745
0.645161290322581	0.4651	0.5003	0.6114	0.4924	0.4656
0.67741935483871	0.4419	1.383	0.6045	0.4698	0.4656
0.709677419354839	0.4243	0.4977	0.5607	0.4631	0.4285
0.741935483870968	0.4183	1.355	0.5457	0.4491	0.4206
0.774193548387097	0.4025	0.4798	0.5365	0.4262	0.4033
0.806451612903226	0.3794	0.4596	0.5313	0.4205	0.3991
		0.3683			

0.838709677419355	0.6889	0.5266	0.39	0.3671	0.363
0.3384					
0.870967741935484	0.6817	0.5167	0.3594	0.3317	
0.3137	0.2987				
0.903225806451613	0.6685	0.5109	0.3572	0.2967	
0.2853	0.2468				
0.935483870967742	0.654	0.4796	0.2864	0.2189	
0.1996	0.1282				
0.967741935483871	0.6283	0.1902	0.08732	0.06941	
0.06491	0.0478				
0.1	2.2657	0.88724	0.61847	0.58831	0.58064
	0.55882				

Average of yearly

averages: 0.43935

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-forestry-air-mar1

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.

app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Interval 10	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 10	apprate		kg/ha	
Interval 11	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 11	apprate		kg/ha	
Interval 12	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 12	apprate		kg/ha	
Interval 13	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 13	apprate		kg/ha	
Interval 14	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 14	apprate		kg/ha	
Interval 15	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 15	apprate		kg/ha	
Interval 16	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 16	apprate		kg/ha	
Interval 17	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 17	apprate		kg/ha	
Interval 18	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 18	apprate		kg/ha	
Interval 19	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 19	apprate		kg/ha	
Interval 20	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 20	apprate		kg/ha	
Interval 21	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 21	apprate		kg/ha	
Interval 22	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 22	apprate		kg/ha	
Interval 23	interval	7	days	Set to 0 or delete line for
single app.				

app. rate 23	apprate	kg/ha
Interval 24 interval	7	days
single app.		Set to 0 or delete line for
app. rate 24	apprate	kg/ha
Record 17: FILTRA		
IPSCND	1	
UPTKF		
Record 18: PLVKRT		
PLDKRT		
FEXTRC	0.5	
Flag for Index Res. Run	IR	EPA Pond
Flag for runoff calc.	RUNOFF	none
total(average of entire run)		none, monthly or

41.2. Pore Water

stored as esfen-agdrift-forestry-air-mar1ben.out

Chemical: esfenAgDRIFT

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0236 0.01295	0.02359	0.02342	0.02173	0.02086
1962	0.06333 0.03967	0.06331	0.06308	0.06232	0.06026
1963	0.0937 0.08228	0.09367	0.09354	0.09311	0.09185
1964	0.1132 0.1017	0.1131	0.1107	0.1081	0.1052
1965	0.1221 0.1174	0.122	0.1219	0.1219	0.1218
1966	0.1373 0.1264	0.1373	0.1368	0.1317	0.1286
1967	0.1433 0.1392	0.1432	0.1431	0.143	0.1429
1968	0.1403 0.1363	0.1402	0.1399	0.1388	0.1387
1969	0.1443 0.1414	0.1442	0.1441	0.1441	0.144
1970	0.1605 0.1476	0.1604	0.16	0.1524	0.149
1971	0.1637 0.1599	0.1636	0.1635	0.1634	0.1632
1972	0.1703 0.1643	0.1703	0.1701	0.1698	0.1696
1973	0.1665 0.1598	0.1665	0.1662	0.1646	0.1623
1974	0.1829 0.1746	0.1829	0.1827	0.1824	0.1821
1975	0.2072 0.1891	0.2072	0.2065	0.2052	0.1998

1976	0.2049 0.1969	0.2047	0.204	0.2025	0.2023
1977	0.1832 0.1778	0.183	0.1823	0.1806	0.18
1978	0.1753 0.1692	0.1751	0.1744	0.1736	0.1733
1979	0.1644 0.1593	0.1643	0.1638	0.1628	0.1609
1980	0.1723 0.1654	0.1722	0.1721	0.1717	0.1713
1981	0.1812 0.1736	0.1811	0.1786	0.1777	0.1775
1982	0.1968 0.1816	0.1967	0.1945	0.1912	0.1859
1983	0.211 0.2036	0.211	0.2106	0.2097	0.2087
1984	0.2067 0.1988	0.2065	0.2057	0.2039	0.2031
1985	0.2008 0.1965	0.2008	0.2002	0.1998	0.1996
1986	0.198 0.1918	0.1979	0.1977	0.1973	0.1972
1987	0.1823 0.1775	0.1822	0.1817	0.1812	0.1811
1988	0.179 0.1744	0.179	0.1784	0.1773	0.1767
1989	0.1742 0.1692	0.1741	0.1738	0.1731	0.173
1990	0.1617 0.1572	0.1616	0.1611	0.1604	0.1604

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.211	0.211	0.2106	0.2097		
	0.2087	0.2036				
0.0645161290322581	0.2072	0.2072	0.2065	0.2052		
	0.2031	0.1988				
0.0967741935483871	0.2067	0.2065	0.2057	0.2039		
	0.2023	0.1969				
0.129032258064516	0.2049	0.2047	0.204	0.2025		
	0.1998	0.1965				
0.161290322580645	0.2008	0.2008	0.2002	0.1998		
	0.1996	0.1918				
0.193548387096774	0.198	0.1979	0.1977	0.1973		
	0.1972	0.1891				
0.225806451612903	0.1968	0.1967	0.1945	0.1912		
	0.1859	0.1816				
0.258064516129032	0.1832	0.183	0.1827	0.1824		
	0.1821	0.1778				
0.290322580645161	0.1829	0.1829	0.1823	0.1812		
	0.1811	0.1775				
0.32258064516129	0.1823	0.1822	0.1817	0.1806	0.18	
	0.1746					
0.354838709677419	0.1812	0.1811	0.1786	0.1777		
	0.1775	0.1744				

0.387096774193548	0.179	0.179	0.1784	0.1773	
0.1767	0.1736				
0.419354838709677	0.1753	0.1751	0.1744	0.1736	
0.1733	0.1692				
0.451612903225806	0.1742	0.1741	0.1738	0.1731	0.173
0.1692					
0.483870967741936	0.1723	0.1722	0.1721	0.1717	
0.1713	0.1654				
0.516129032258065	0.1703	0.1703	0.1701	0.1698	
0.1696	0.1643				
0.548387096774194	0.1665	0.1665	0.1662	0.1646	
0.1632	0.1599				
0.580645161290323	0.1644	0.1643	0.1638	0.1634	
0.1623	0.1598				
0.612903225806452	0.1637	0.1636	0.1635	0.1628	
0.1609	0.1593				
0.645161290322581	0.1617	0.1616	0.1611	0.1604	
0.1604	0.1572				
0.67741935483871	0.1605	0.1604	0.16	0.1524	0.149
0.1476					
0.709677419354839	0.1443	0.1442	0.1441	0.1441	0.144
0.1414					
0.741935483870968	0.1433	0.1432	0.1431	0.143	
0.1429	0.1392				
0.774193548387097	0.1403	0.1402	0.1399	0.1388	
0.1387	0.1363				
0.806451612903226	0.1373	0.1373	0.1368	0.1317	
0.1286	0.1264				
0.838709677419355	0.1221	0.122	0.1219	0.1219	
0.1218	0.1174				
0.870967741935484	0.1132	0.1131	0.1107	0.1081	
0.1052	0.1017				
0.903225806451613	0.0937	0.09367	0.09354	0.09311	
0.09185	0.08228				
0.935483870967742	0.06333	0.06331	0.06308	0.06232	
0.06026	0.03967				
0.967741935483871	0.0236	0.02359	0.02342	0.02173	
0.02086	0.01295				
0.1	0.20652	0.20632	0.20553	0.20376	0.20205
0.19686					

Average of yearly

averages: 0.152846666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-forestry-air-mar1

Metfile: w24283.dvf

PRZM scenario: CAFEorestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	
Spray Drift DRFT	0.063		fraction of	application rate applied to pond	
Application Date	Date		01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days	Set to 0 or delete line for single app.	
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days	Set to 0 or delete line for single app.	
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days	Set to 0 or delete line for single app.	
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days	Set to 0 or delete line for single app.	
app. rate 6 apprate			kg/ha		
Interval 7 interval	7		days	Set to 0 or delete line for single app.	
app. rate 7 apprate			kg/ha		
Interval 8 interval	7		days	Set to 0 or delete line for single app.	
app. rate 8 apprate			kg/ha		
Interval 9 interval	7		days	Set to 0 or delete line for single app.	
app. rate 9 apprate			kg/ha		
Interval 10 interval	7		days	Set to 0 or delete line for single app.	
app. rate 10	apprate		kg/ha		
Interval 11 interval	7		days	Set to 0 or delete line for single app.	
app. rate 11	apprate		kg/ha		
Interval 12 interval	7		days	Set to 0 or delete line for single app.	
app. rate 12	apprate		kg/ha		
Interval 13 interval	7		days	Set to 0 or delete line for single app.	
app. rate 13	apprate		kg/ha		

Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate		kg/ha
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

42. CAForestryRLF: Christmas Tree Plantings, Conifer Plantations, Orchards, Forest Tree Nurseries, and Forests. July 1, 25 Applications, Aerial.

Water Column stored as esfen-agdrift-forestry-air-jul1.out

Chemical: esfenAgDRIFT

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
------	----------------	-------	--------	--------	--------

1961	0.6697 0.02224	0.2323	0.09885	0.07089	0.06085	
1962	2.43 0.1165	0.7358	0.2842	0.2293	0.2106	
1963	1.011 0.2321	0.4635	0.3032	0.2833	0.2737	
1964	1.379 0.3103	0.6577	0.4079	0.3833	0.3554	
1965	0.922 0.3615	0.5037	0.3862	0.3735	0.3693	
1966	1.529 0.4097	0.7168	0.5308	0.4694	0.4431	
1967	1.009 0.4482	0.5921	0.4872	0.4676	0.4633	
1968	1.399 0.4469	0.695	0.5143	0.4772	0.4685	
1969	2.185 0.4872	0.9023	0.6015	0.5359	0.5197	
1970	1.545	0.8619	0.6793	0.5909	0.5583	0.522
1971	1.032 0.5488	0.6824	0.582	0.5622	0.5609	
1972	2.012 0.5842	1.145	0.6945	0.6456	0.6284	
1973	1.413 0.5591	0.7745	0.6144	0.6026	0.5846	
1974	1.584 0.5932	0.8624	0.6556	0.62	0.6159	
1975	3.284 0.6415	1.335	0.8033	0.7429	0.7045	
1976	0.9531 0.6495	0.7512	0.7001	0.6803	0.677	
1977	1.281 0.5831	0.7661	0.6216	0.6023	0.5966	
1978	0.8188 0.5469	0.6322	0.5861	0.5739	0.5703	
1979	1.687	0.8019	0.597	0.5535	0.5368	0.513
1980	2.678 0.5262	1.087	0.6618	0.5677	0.5485	
1981	2.468 0.5763	1.07	0.6887	0.63	0.6037	
1982	2.572 0.6114	1.098	0.7368	0.7067	0.668	
1983	1.67 0.6744	0.9352	0.7599	0.7159	0.692	
1984	1.548 0.6551	0.9302	0.7404	0.6957	0.6831	
1985	1.748 0.6471	0.9889	0.7215	0.6775	0.6649	
1986	1.453 0.6387	0.9312	0.7177	0.6797	0.671	
1987	1.392 0.5943	0.8713	0.6903	0.619	0.6148	
1988	1.381 0.5794	0.7805	0.6195	0.6023	0.5964	
1989	0.807 0.5606	0.6359	0.5896	0.5857	0.5831	

1990	0.9153 0.5202	0.6485	0.5593	0.5442	0.5415	
Sorted results						
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.7045	3.284	1.335	0.8033	0.7429	
0.0645161290322581	0.6551	0.6744				
		2.678	1.145	0.7599	0.7159	0.692
0.0967741935483871	0.6831	2.572	1.098	0.7404	0.7067	
		0.6495				
0.129032258064516	0.6471	2.468	1.087	0.7368	0.6957	0.677
0.161290322580645	0.6415	2.43	1.07	0.7215	0.6803	0.671
0.193548387096774	0.6387	2.185	0.9889	0.7177	0.6797	0.668
0.225806451612903	0.6649	2.012	0.9352	0.7001	0.6775	
		0.6114				
0.258064516129032	0.6284	1.748	0.9312	0.6945	0.6456	
		0.5943				
0.290322580645161	0.6159	1.687	0.9302	0.6903	0.63	
		0.5932				
0.32258064516129	0.6148	1.67	0.9023	0.6887	0.62	
		0.5842				
0.354838709677419	0.6037	1.584	0.8713	0.6793	0.619	
		0.5831				
0.387096774193548	0.5966	1.548	0.8624	0.6618	0.6026	
		0.5794				
0.419354838709677	0.5964	1.545	0.8619	0.6556	0.6023	
		0.5763				
0.451612903225806	0.5846	1.529	0.8019	0.6216	0.6023	
		0.5606				
0.483870967741936	0.5831	1.453	0.7805	0.6195	0.5909	
		0.5591				
0.516129032258065	0.5703	1.413	0.7745	0.6144	0.5857	
		0.5488				
0.548387096774194	0.5609	1.399	0.7661	0.6015	0.5739	
		0.5469				
0.580645161290323	0.5583	1.392	0.7512	0.597	0.5677	
		0.5262				
0.612903225806452	0.5485	1.381	0.7358	0.5896	0.5622	
		0.522				
0.645161290322581	0.5415	1.379	0.7168	0.5861	0.5535	
		0.5202				
0.67741935483871	0.5368	1.281	0.695	0.582	0.5442	
		0.513				
0.709677419354839	0.5197	1.032	0.6824	0.5593	0.5359	
		0.4872				
0.741935483870968	0.4685	1.011	0.6577	0.5308	0.4772	
		0.4482				
0.774193548387097	0.4633	1.009	0.6485	0.5143	0.4694	
		0.4469				
0.806451612903226	0.4431	0.9531	0.6359	0.4872	0.4676	
		0.4097				

0.838709677419355	0.922	0.6322	0.4079	0.3833
0.3693	0.3615			
0.870967741935484	0.9153	0.5921	0.3862	0.3735
0.3554	0.3103			
0.903225806451613	0.8188	0.5037	0.3032	0.2833
0.2737	0.2321			
0.935483870967742	0.807	0.4635	0.2842	0.2293
0.2106	0.1165			
0.967741935483871	0.6697	0.2323	0.09885	0.07089
0.06085	0.02224			
0.1	2.5616	1.0969	0.74004	0.7056
	0.64926			0.68249

Average of yearly

averages: 0.5053213333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-forestry-air-jul1

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of		application rate applied to pond
Application Date	Date	01-07	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.

app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 6	apprate		kg/ha	
Interval 7	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 7	apprate		kg/ha	
Interval 8	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 8	apprate		kg/ha	
Interval 9	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 9	apprate		kg/ha	
Interval 10	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 10	apprate		kg/ha	
Interval 11	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 11	apprate		kg/ha	
Interval 12	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 12	apprate		kg/ha	
Interval 13	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 13	apprate		kg/ha	
Interval 14	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 14	apprate		kg/ha	
Interval 15	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 15	apprate		kg/ha	
Interval 16	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 16	apprate		kg/ha	
Interval 17	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 17	apprate		kg/ha	
Interval 18	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 18	apprate		kg/ha	
Interval 19	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 19	apprate		kg/ha	
Interval 20	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 20	apprate		kg/ha	
Interval 21	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 21	apprate		kg/ha	
Interval 22	interval	7	days	Set to 0 or delete line for
single app.				
app. rate 22	apprate		kg/ha	
Interval 23	interval	7	days	Set to 0 or delete line for
single app.				

app. rate 23	apprate	kg/ha
Interval 24 interval	7	days
single app.		Set to 0 or delete line for
app. rate 24	apprate	kg/ha
Record 17: FILTRA		
IPSCND	1	
UPTKF		
Record 18: PLVKRT		
PLDKRT		
FEXTRC	0.5	
Flag for Index Res. Run	IR	EPA Pond
Flag for runoff calc.	RUNOFF	none
total(average of entire run)		none, monthly or

42.1. Pore Water

stored as esfen-agdrift-forestry-air-jul1ben.out

Chemical: esfenAgDRIFT

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0203 0.004295	0.02029	0.01982	0.01592	0.01346
1962	0.06487 0.03499	0.06485	0.06465	0.06192	0.05817
1963	0.0926 0.0773	0.09254	0.09212	0.09106	0.08853
1964	0.1275 0.1044	0.1274	0.1227	0.1168	0.1117
1965	0.1306 0.1257	0.13	0.1287	0.1278	0.1271
1966	0.1575 0.1403	0.1574	0.1572	0.1495	0.1446
1967	0.1624 0.1564	0.1624	0.1621	0.1615	0.1615
1968	0.1661 0.1559	0.166	0.1657	0.1644	0.1634
1969	0.1778 0.1686	0.1778	0.1776	0.177	0.1762
1970	0.1999 0.1797	0.1999	0.1996	0.1883	0.1853
1971	0.2001 0.1929	0.2001	0.1995	0.1986	0.1985
1972	0.2175 0.2036	0.2174	0.2165	0.2143	0.2128
1973	0.2045 0.1952	0.2044	0.2041	0.2011	0.1984
1974	0.2188 0.2076	0.2187	0.2179	0.2159	0.2143
1975	0.2453 0.2206	0.2452	0.2449	0.2406	0.2332

1976	0.2435 0.2302	0.2433	0.2425	0.2411	0.2411
1977	0.2181 0.2054	0.2179	0.2171	0.2151	0.2138
1978	0.205 0.1932	0.2049	0.2041	0.2037	0.2031
1979	0.1855 0.1796	0.1854	0.1853	0.185	0.1834
1980	0.1968 0.1829	0.1968	0.1966	0.1868	0.1858
1981	0.2186 0.1992	0.2185	0.2116	0.2092	0.2079
1982	0.2379 0.2121	0.2378	0.2335	0.2254	0.2179
1983	0.2457 0.2348	0.2456	0.2453	0.2405	0.2407
1984	0.2453 0.2303	0.2451	0.2441	0.2421	0.2407
1985	0.2393 0.2278	0.2392	0.2386	0.2368	0.2359
1986	0.2382 0.2247	0.2381	0.2373	0.236	0.2345
1987	0.2189 0.2081	0.2189	0.2181	0.2176	0.2173
1988	0.2164 0.2034	0.2163	0.2156	0.2142	0.2129
1989	0.2093 0.1982	0.2092	0.2089	0.2083	0.2078
1990	0.1941 0.1832	0.1941	0.1935	0.1923	0.1918

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.2411	0.2457 0.2348	0.2456	0.2453	0.2421
0.0645161290322581	0.2407	0.2453 0.2303	0.2452	0.2449	0.2411
0.0967741935483871	0.2407	0.2453 0.2302	0.2451	0.2441	0.2406
0.129032258064516	0.2359	0.2435 0.2278	0.2433	0.2425	0.2405
0.161290322580645	0.2345	0.2393 0.2247	0.2392	0.2386	0.2368
0.193548387096774	0.2332	0.2382 0.2206	0.2381	0.2373	0.236
0.225806451612903	0.2179	0.2379 0.2121	0.2378	0.2335	0.2254
0.258064516129032	0.2173	0.2189 0.2081	0.2189	0.2181	0.2176
0.290322580645161	0.2143	0.2188 0.2076	0.2187	0.2179	0.2159
0.32258064516129	0.2138	0.2186 0.2054	0.2185	0.2171	0.2151
0.354838709677419	0.2129	0.2181 0.2036	0.2179	0.2165	0.2143

0.387096774193548	0.2175	0.2174	0.2156	0.2142
0.2128	0.2034			
0.419354838709677	0.2164	0.2163	0.2116	0.2092
0.2079	0.1992			
0.451612903225806	0.2093	0.2092	0.2089	0.2083
0.2078	0.1982			
0.483870967741936	0.205	0.2049	0.2041	0.2037
0.2031	0.1952			
0.516129032258065	0.2045	0.2044	0.2041	0.2011
0.1985	0.1932			
0.548387096774194	0.2001	0.2001	0.1996	0.1986
0.1984	0.1929			
0.580645161290323	0.1999	0.1999	0.1995	0.1923
0.1918	0.1832			
0.612903225806452	0.1968	0.1968	0.1966	0.1883
0.1858	0.1829			
0.645161290322581	0.1941	0.1941	0.1935	0.1868
0.1853	0.1797			
0.67741935483871	0.1855	0.1854	0.1853	0.185
0.1834	0.1796			
0.709677419354839	0.1778	0.1778	0.1776	0.177
0.1762	0.1686			
0.741935483870968	0.1661	0.166	0.1657	0.1644
0.1634	0.1564			
0.774193548387097	0.1624	0.1624	0.1621	0.1615
0.1615	0.1559			
0.806451612903226	0.1575	0.1574	0.1572	0.1495
0.1446	0.1403			
0.838709677419355	0.1306	0.13	0.1287	0.1278
0.1271	0.1257			
0.870967741935484	0.1275	0.1274	0.1227	0.1168
0.1117	0.1044			
0.903225806451613	0.0926	0.09254	0.09212	0.09106
0.08853	0.0773			
0.935483870967742	0.06487	0.06485	0.06465	0.06192
0.05817	0.03499			
0.967741935483871	0.0203	0.02029	0.01982	0.01592
0.01346	0.004295			
0.1	0.24512	0.24492	0.24394	0.24059
0.22996				0.24022

Average of yearly

averages: 0.1760195

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-forestry-air-jul1

Metfile: w24283.dvf

PRZM scenario: CAFEorestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	2		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.06	kg/ha	
Application Efficiency:	APPEFF		0.95	fraction	
Spray Drift DRFT	0.063		fraction of	application rate applied to pond	
Application Date	Date		01-07	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Interval 3 interval	7		days	Set to 0 or delete line for single app.	
app. rate 3 apprate			kg/ha		
Interval 4 interval	7		days	Set to 0 or delete line for single app.	
app. rate 4 apprate			kg/ha		
Interval 5 interval	7		days	Set to 0 or delete line for single app.	
app. rate 5 apprate			kg/ha		
Interval 6 interval	7		days	Set to 0 or delete line for single app.	
app. rate 6 apprate			kg/ha		
Interval 7 interval	7		days	Set to 0 or delete line for single app.	
app. rate 7 apprate			kg/ha		
Interval 8 interval	7		days	Set to 0 or delete line for single app.	
app. rate 8 apprate			kg/ha		
Interval 9 interval	7		days	Set to 0 or delete line for single app.	
app. rate 9 apprate			kg/ha		
Interval 10 interval	7		days	Set to 0 or delete line for single app.	
app. rate 10	apprate		kg/ha		
Interval 11 interval	7		days	Set to 0 or delete line for single app.	
app. rate 11	apprate		kg/ha		
Interval 12 interval	7		days	Set to 0 or delete line for single app.	
app. rate 12	apprate		kg/ha		
Interval 13 interval	7		days	Set to 0 or delete line for single app.	
app. rate 13	apprate		kg/ha		

Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate		kg/ha
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

43. CAForestryRLF: Christmas Tree Plantings, Conifer Plantations, Orchards, Forest Tree Nurseries, and Forests. July 1, 25 Applications, Ground.

43.1. Water Column

stored as esfen-agdrift-forestry-grd-jul1.out

Chemical: esfenAgDRIFT

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.5635 0.005696	0.1578	0.04865	0.02698	0.01983	
1962	2.234 0.06576	0.6454	0.2071	0.1535	0.1359	
1963	0.9165 0.1543	0.3901	0.2361	0.1856	0.1756	
1964	1.087 0.2064	0.4756	0.2699	0.2514	0.2291	
1965	0.7194	0.3527	0.266	0.2488	0.2443	0.235
1966	1.261 0.2652	0.5391	0.3584	0.3051	0.2825	
1967	0.8145 0.2925	0.4299	0.3333	0.3163	0.3132	
1968	1.194 0.2878	0.5256	0.3543	0.3204	0.3134	
1969	1.961 0.3233	0.7258	0.4366	0.3747	0.3601	
1970	1.244 0.3487	0.6579	0.4701	0.3954	0.3709	
1971	0.8059 0.3649	0.4667	0.4019	0.3852	0.3816	
1972	1.724 0.3955	0.9185	0.5004	0.4564	0.4416	
1973	1.159 0.3696	0.5739	0.4157	0.3953	0.382	
1974	1.328 0.3985	0.6561	0.4642	0.4299	0.4244	
1975	2.728 0.4349	1.024	0.5637	0.5114	0.4795	
1976	0.7243 0.4391	0.5372	0.4898	0.4727	0.4677	
1977	1.016 0.3785	0.5332	0.4035	0.3939	0.394	
1978	0.602 0.3472	0.4283	0.3857	0.3742	0.3716	
1979	1.368 0.3149	0.5771	0.3803	0.34	0.327	
1980	2.066 0.3262	0.7799	0.4269	0.3505	0.3404	
1981	2.085 0.3668	0.8158	0.4616	0.4057	0.3921	
1982	2.05 0.3985	0.8099	0.504	0.4711	0.4383	
1983	1.387 0.4567	0.681	0.5321	0.4891	0.474	
1984	1.219 0.4437	0.6642	0.5065	0.4689	0.461	
1985	1.415 0.4346	0.7318	0.4937	0.4627	0.4554	
1986	1.189 0.4284	0.7035	0.5054	0.4711	0.4621	
1987	1.047 0.3878	0.6134	0.4537	0.4107	0.4103	
1988	1.047 0.3702	0.5376	0.4076	0.3937	0.3894	

1989	0.5628	0.4178	0.3788	0.3741	0.3728
	0.3495				
1990	0.6592	0.4258	0.3483	0.3364	0.3348
	0.3127				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.4795	2.728	1.024	0.5637	0.5114	
0.0645161290322581	0.4437	2.234	0.9185	0.5321	0.4891	0.474
0.0967741935483871	0.4677	2.085	0.8158	0.5065	0.4727	
0.129032258064516	0.4621	2.066	0.8099	0.5054	0.4711	
0.161290322580645	0.4346	2.05	0.7799	0.504	0.4711	0.461
0.193548387096774	0.4554	1.961	0.7318	0.5004	0.4689	
0.225806451612903	0.4416	1.724	0.7258	0.4937	0.4627	
0.258064516129032	0.4383	1.415	0.7035	0.4898	0.4564	
0.290322580645161	0.4244	1.387	0.681	0.4701	0.4299	
0.32258064516129	0.4103	1.368	0.6642	0.4642	0.4107	
0.354838709677419	0.3785	1.328	0.6579	0.4616	0.4057	0.394
0.387096774193548	0.3921	1.261	0.6561	0.4537	0.3954	
0.419354838709677	0.3894	1.244	0.6454	0.4366	0.3953	
0.451612903225806	0.3668	1.219	0.6134	0.4269	0.3939	0.382
0.483870967741936	0.3816	1.194	0.5771	0.4157	0.3937	
0.516129032258065	0.3728	1.189	0.5739	0.4076	0.3852	
0.548387096774194	0.3716	1.159	0.5391	0.4035	0.3747	
0.580645161290323	0.3709	1.087	0.5376	0.4019	0.3742	
0.612903225806452	0.3601	1.047	0.5372	0.3857	0.3741	
0.645161290322581	0.3404	1.047	0.5332	0.3803	0.3505	
0.67741935483871	0.3348	1.016	0.5256	0.3788	0.34	
0.709677419354839	0.3127	0.9165	0.4756	0.3584	0.3364	0.327
0.741935483870968	0.3134	0.8145	0.4667	0.3543	0.3204	
0.774193548387097	0.3132	0.8059	0.4299	0.3483	0.3163	
		0.2878				

0.806451612903226	0.7243	0.4283	0.3333	0.3051
0.2825	0.2652			
0.838709677419355	0.7194	0.4258	0.2699	0.2514
0.2443	0.235			
0.870967741935484	0.6592	0.4178	0.266	0.2488
0.2291	0.2064			
0.903225806451613	0.602	0.3901	0.2361	0.1856
0.1756	0.1543			
0.935483870967742	0.5635	0.3527	0.2071	0.1535
0.1359	0.06576			
0.967741935483871	0.5628	0.1578	0.04865	0.02698
0.01983	0.005696			

0.1	2.0831	0.81521	0.50639	0.47254	0.46714
	0.43868				

Average of yearly

averages: 0.3300952

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-forestry-grd-jul1

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of		application rate applied to pond
Application Date	Date	01-07	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1 interval	7	days		Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days		Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days		Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha		

Interval 4 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate	kg/ha	
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate	kg/ha	
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate	kg/ha	
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate	kg/ha	
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate	kg/ha	
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate	kg/ha	
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate	kg/ha	
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate	kg/ha	
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate	kg/ha	
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate	kg/ha	
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate	kg/ha	
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate	kg/ha	
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate	kg/ha	

Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

43.2. Pore Water

stored as esfen-agdrift-forestry-grd-jul1ben.out

Chemical: esfenAgDRIFT

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.007873 0.001031	0.007871	0.007559	0.005094	0.003743
1962	0.04125 0.01958	0.04124	0.04115	0.03936	0.03659
1963	0.06025 0.05213	0.06019	0.06	0.05974	0.05822
1964	0.0846 0.07009	0.08459	0.08042	0.07614	0.07244
1965	0.08761 0.0829	0.08757	0.08727	0.08641	0.08572
1966	0.1029 0.09128	0.1029	0.1026	0.09618	0.09404
1967	0.109 0.1031	0.1089	0.1088	0.1085	0.108
1968	0.1094 0.1012	0.1094	0.1092	0.1085	0.1079
1969	0.1206 0.1123	0.1205	0.1204	0.1199	0.1194
1970	0.1344 0.1204	0.1343	0.1341	0.1264	0.1259
1971	0.1363 0.1295	0.1362	0.1359	0.1351	0.1344
1972	0.1508 0.1385	0.1507	0.1501	0.1486	0.1474
1973	0.1366 0.1299	0.1365	0.1361	0.1347	0.1335
1974	0.1509 0.1403	0.1508	0.1503	0.1489	0.1477

1975	0.1686 0.1498	0.1685	0.168	0.1646	0.1586	
1976	0.1678	0.1677	0.1672	0.1662	0.1658	0.157
1977	0.1437 0.1344	0.1436	0.143	0.1417	0.1409	
1978	0.1331	0.133	0.1326	0.1317	0.1315	0.124
1979	0.115	0.115	0.1147	0.1139	0.1136	0.111
1980	0.1231 0.1139	0.1231	0.1227	0.1187	0.1177	
1981	0.1421 0.1269	0.1421	0.1358	0.1348	0.134	
1982	0.1587 0.1386	0.1587	0.1547	0.1479	0.1419	
1983	0.1684 0.1594	0.1683	0.1681	0.1649	0.1639	
1984	0.1683 0.1571	0.1681	0.1675	0.1662	0.1653	
1985	0.1634	0.1633	0.1629	0.1617	0.1607	0.154
1986	0.163 0.1518	0.1629	0.1624	0.1618	0.1608	
1987	0.1452 0.1368	0.1451	0.1446	0.1442	0.144	
1988	0.141	0.1409	0.1405	0.1394	0.1387	0.131
1989	0.1331 0.1248	0.1331	0.1327	0.1325	0.1323	
1990	0.1189 0.1112	0.1189	0.1185	0.1179	0.1178	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.1658	0.1686 0.1594	0.1685	0.1681	0.1662	
0.0645161290322581	0.1653	0.1684 0.1571	0.1683	0.168	0.1662	
0.0967741935483871	0.1639	0.1683 0.157	0.1681	0.1675	0.1649	
0.129032258064516	0.1608	0.1678 0.154	0.1677	0.1672	0.1646	
0.161290322580645	0.1607	0.1634 0.1518	0.1633	0.1629	0.1618	
0.193548387096774	0.1586	0.163 0.1498	0.1629	0.1624	0.1617	
0.225806451612903	0.1477	0.1587 0.1403	0.1587	0.1547	0.1489	
0.258064516129032	0.1474	0.1509 0.1386	0.1508	0.1503	0.1486	
0.290322580645161	0.1385	0.1508	0.1507	0.1501	0.1479	0.144
0.32258064516129	0.1419	0.1452 0.1368	0.1451	0.1446	0.1442	
0.354838709677419	0.1409	0.1437 0.1344	0.1436	0.143	0.1417	
0.387096774193548	0.1387	0.1421 0.131	0.1421	0.1405	0.1394	
0.419354838709677	0.1344	0.141 0.1299	0.1409	0.1361	0.1351	

0.451612903225806	0.1366	0.1365	0.1359	0.1348	0.134
0.1295					
0.483870967741936	0.1363	0.1362	0.1358	0.1347	
0.1335	0.1269				
0.516129032258065	0.1344	0.1343	0.1341	0.1325	
0.1323	0.1248				
0.548387096774194	0.1331	0.1331	0.1327	0.1317	
0.1315	0.124				
0.580645161290323	0.1331	0.133	0.1326	0.1264	
0.1259	0.1204				
0.612903225806452	0.1231	0.1231	0.1227	0.1199	
0.1194	0.1139				
0.645161290322581	0.1206	0.1205	0.1204	0.1187	
0.1178	0.1123				
0.67741935483871	0.1189	0.1189	0.1185	0.1179	
0.1177	0.1112				
0.709677419354839	0.115	0.115	0.1147	0.1139	
0.1136	0.111				
0.741935483870968	0.1094	0.1094	0.1092	0.1085	0.108
0.1031					
0.774193548387097	0.109	0.1089	0.1088	0.1085	
0.1079	0.1012				
0.806451612903226	0.1029	0.1029	0.1026	0.09618	
0.09404	0.09128				
0.838709677419355	0.08761	0.08757	0.08727	0.08641	
0.08572	0.0829				
0.870967741935484	0.0846	0.08459	0.08042	0.07614	
0.07244	0.07009				
0.903225806451613	0.06025	0.06019	0.06	0.05974	
0.05822	0.05213				
0.935483870967742	0.04125	0.04124	0.04115	0.03936	
0.03659	0.01958				
0.967741935483871	0.007873	0.007871	0.007559	0.005094	
0.003743	0.001031				
0.1	0.16825	0.16806	0.16747	0.16487	0.16359
0.1567					

Average of yearly

averages: 0.115797033333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-forestry-grd-jul1

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life

Aerobic Aquatic Metabolism		kbacw	276	days
Halfife				
Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH	7 0	days		Half-life
Method:	CAM 1	integer		See PRZM manual
Incorporation Depth:	DEPI 4	cm		
Application Rate:	TAPP 0.06	kg/ha		
Application Efficiency:	APPEFF 0.99	fraction		
Spray Drift	DRFT 0.007	fraction of	application rate applied to pond	
Application Date	Date	01-07	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval 7	days	Set to 0 or delete line for single app.	
app. rate 1	apprate	kg/ha		
Interval 2	interval 7	days	Set to 0 or delete line for single app.	
app. rate 2	apprate	kg/ha		
Interval 3	interval 7	days	Set to 0 or delete line for single app.	
app. rate 3	apprate	kg/ha		
Interval 4	interval 7	days	Set to 0 or delete line for single app.	
app. rate 4	apprate	kg/ha		
Interval 5	interval 7	days	Set to 0 or delete line for single app.	
app. rate 5	apprate	kg/ha		
Interval 6	interval 7	days	Set to 0 or delete line for single app.	
app. rate 6	apprate	kg/ha		
Interval 7	interval 7	days	Set to 0 or delete line for single app.	
app. rate 7	apprate	kg/ha		
Interval 8	interval 7	days	Set to 0 or delete line for single app.	
app. rate 8	apprate	kg/ha		
Interval 9	interval 7	days	Set to 0 or delete line for single app.	
app. rate 9	apprate	kg/ha		
Interval 10	interval 7	days	Set to 0 or delete line for single app.	
app. rate 10	apprate	kg/ha		
Interval 11	interval 7	days	Set to 0 or delete line for single app.	
app. rate 11	apprate	kg/ha		
Interval 12	interval 7	days	Set to 0 or delete line for single app.	
app. rate 12	apprate	kg/ha		
Interval 13	interval 7	days	Set to 0 or delete line for single app.	
app. rate 13	apprate	kg/ha		
Interval 14	interval 7	days	Set to 0 or delete line for single app.	
app. rate 14	apprate	kg/ha		

Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

44. CANurserySTD: Christmas Tree Plantings, Conifer Plantations, Orchards, Forest Tree Nurseries, and Forests. March 1, 25 Applications, Aerial.

44.1. Water Column

stored as esfen-agdrift-nursery-air-mar1.out

Chemical: esfenAgDRIFT

PRZM environment: CANurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	1.009 0.03375	0.2949	0.1036	0.0621	0.05231

1962	1.907 0.1417	0.6273	0.2136	0.1672	0.1601	
1963	2.547 0.1756	0.8029	0.3354	0.2443	0.2194	
1964	0.8231 0.2302	0.3686	0.2427	0.2433	0.2425	
1965	2.673 0.2859	1.192	0.5895	0.4452	0.3759	
1966	2.428	0.9946	0.5277	0.424	0.4085	0.384
1967	2.408 0.4244	0.9928	0.5498	0.4674	0.4429	
1968	1.208 0.4159	0.6279	0.4825	0.46	0.4533	
1969	3.526 0.4385	1.203	0.6007	0.518	0.501	
1970	2.168 0.4152	0.8879	0.5257	0.468	0.4554	
1971	1.346 0.4168	0.7252	0.4609	0.4416	0.4379	
1972	2.017 0.3987	0.8753	0.5346	0.4535	0.4167	
1973	0.738 0.3955	0.4535	0.4306	0.4241	0.4212	
1974	3.205 0.4058	1.113	0.5517	0.4393	0.4314	
1975	1.356 0.4199	0.6842	0.494	0.4718	0.4635	
1976	2.472 0.4311	1.057	0.579	0.4945	0.4837	
1977	4.13	1.47	0.7119	0.5824	0.5528	0.485
1978	2.274 0.4716	0.911	0.555	0.5145	0.5125	
1979	1.303 0.4636	0.7651	0.5338	0.517	0.5113	
1980	1.976 0.4605	0.8797	0.578	0.5314	0.5205	
1981	2.98 0.4302	1.062	0.5613	0.4935	0.48	
1982	1.799 0.4498	0.8396	0.5726	0.5125	0.4986	
1983	1.372	0.6851	0.5156	0.4992	0.4919	0.441
1984	2.179 0.3597	0.8323	0.5006	0.3835	0.3745	
1985	3.878 0.3912	1.27	0.6936	0.5191	0.4534	
1986	1.876 0.4653	0.825	0.5435	0.5075	0.4963	
1987	1.892 0.4689	0.8356	0.5608	0.5086	0.4824	
1988	1.782 0.5049	1.014	0.6336	0.5684	0.5532	
1989	1.894 0.4416	0.7809	0.4761	0.4726	0.4693	
1990	1.082 0.4084	0.601	0.4604	0.4444	0.443	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	4.13	1.47	0.7119	0.5824		
0.5532	0.5049					
0.0645161290322581	3.878	1.27	0.6936	0.5684		
0.5528	0.485					
0.0967741935483871	3.526	1.203	0.6336	0.5314		
0.5205	0.4716					
0.129032258064516	3.205	1.192	0.6007	0.5191		
0.5125	0.4689					
0.161290322580645	2.98	1.113	0.5895	0.518		
0.5113	0.4653					
0.193548387096774	2.673	1.062	0.579	0.517	0.501	
0.4636						
0.225806451612903	2.547	1.057	0.578	0.5145		
0.4986	0.4605					
0.258064516129032	2.472	1.014	0.5726	0.5125		
0.4963	0.4498					
0.290322580645161	2.428	0.9946	0.5613	0.5086		
0.4919	0.4416					
0.32258064516129	2.408	0.9928	0.5608	0.5075		
0.4837	0.441					
0.354838709677419	2.274	0.911	0.555	0.4992		
0.4824	0.4385					
0.387096774193548	2.179	0.8879	0.5517	0.4945	0.48	
0.4311						
0.419354838709677	2.168	0.8797	0.5498	0.4935		
0.4693	0.4302					
0.451612903225806	2.017	0.8753	0.5435	0.4726		
0.4635	0.4244					
0.483870967741936	1.976	0.8396	0.5346	0.4718		
0.4554	0.4199					
0.516129032258065	1.907	0.8356	0.5338	0.468		
0.4534	0.4168					
0.548387096774194	1.894	0.8323	0.5277	0.4674		
0.4533	0.4159					
0.580645161290323	1.892	0.825	0.5257	0.46	0.443	
0.4152						
0.612903225806452	1.876	0.8029	0.5156	0.4535		
0.4429	0.4084					
0.645161290322581	1.799	0.7809	0.5006	0.4452		
0.4379	0.4058					
0.67741935483871	1.782	0.7651	0.494	0.4444		
0.4314	0.3987					
0.709677419354839	1.372	0.7252	0.4825	0.4416		
0.4212	0.3955					
0.741935483870968	1.356	0.6851	0.4761	0.4393		
0.4167	0.3912					
0.774193548387097	1.346	0.6842	0.4609	0.4241		
0.4085	0.384					
0.806451612903226	1.303	0.6279	0.4604	0.424		
0.3759	0.3597					
0.838709677419355	1.208	0.6273	0.4306	0.3835		
0.3745	0.2859					
0.870967741935484	1.082	0.601	0.3354	0.2443		
0.2425	0.2302					

0.903225806451613	1.009	0.4535	0.2427	0.2433
0.2194	0.1756			
0.935483870967742	0.8231	0.3686	0.2136	0.1672
0.1601	0.1417			
0.967741935483871	0.738	0.2949	0.1036	0.0621
0.05231	0.03375			
0.1	3.4939	1.2019	0.63031	0.53017
0.47133				

Average of yearly

averages: 0.3884883333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-nursery-air-mar1

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	

Interval 6 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 7 apprate		kg/ha	
Interval 8 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate	kg/ha	
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate	kg/ha	
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate	kg/ha	
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate	kg/ha	
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate	kg/ha	
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate	kg/ha	
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate	kg/ha	
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate	kg/ha	
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate	kg/ha	
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate	kg/ha	
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate	kg/ha	
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate	kg/ha	
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate	kg/ha	
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate	kg/ha	
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate	kg/ha	

Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

44.2. Pore Water

stored as esfen-agdrift-nursery-air-mar1ben.out

Chemical: esfenAgDRIFT

PRZM environment: CANurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.02091 0.008204	0.0209	0.02081	0.01614	0.01469	
1962	0.05061 0.04547	0.05057	0.05037	0.05004	0.04977	
1963	0.08096 0.05624	0.0809	0.08048	0.07377	0.06955	
1964	0.08151 0.07891	0.08144	0.08134	0.08126	0.08119	
1965	0.1403	0.1402	0.1396	0.1213	0.1094	0.092
1966	0.1482 0.1316	0.1482	0.1474	0.1366	0.1358	
1967	0.1587 0.1451	0.1587	0.1558	0.1516	0.1509	
1968	0.1577 0.1462	0.1575	0.1566	0.1553	0.1546	
1969	0.1624 0.1507	0.1623	0.1621	0.1614	0.1609	
1970	0.1522 0.1417	0.1522	0.1519	0.1512	0.1505	
1971	0.1496 0.1438	0.1495	0.1491	0.1486	0.1485	
1972	0.1512 0.1372	0.1511	0.1504	0.1444	0.1433	
1973	0.1488 0.1387	0.1488	0.1484	0.147	0.1464	
1974	0.1511 0.1374	0.151	0.1503	0.1439	0.1434	
1975	0.1569 0.1468	0.1568	0.1565	0.1557	0.155	
1976	0.1577 0.1474	0.1576	0.1568	0.156	0.1561	
1977	0.1929	0.1928	0.1911	0.1868	0.1838	0.164
1978	0.1786 0.1629	0.1785	0.1775	0.1754	0.1748	

1979	0.1762 0.1615	0.1761	0.1753	0.1739	0.1732	
1980	0.1723 0.1587	0.1722	0.1718	0.1712	0.1705	
1981	0.1598 0.1464	0.1597	0.1595	0.1586	0.1576	
1982	0.1682 0.1551	0.1681	0.1679	0.1667	0.1657	
1983	0.1661 0.1524	0.166	0.1656	0.1647	0.1641	
1984	0.1388 0.1229	0.1383	0.1355	0.1334	0.1322	
1985	0.1652 0.1322	0.1651	0.1645	0.1517	0.1398	
1986	0.1711 0.1599	0.171	0.1702	0.1675	0.1656	
1987	0.1746 0.1613	0.1745	0.1711	0.1685	0.1676	
1988	0.189 0.1746	0.1889	0.1883	0.1866	0.1852	
1989	0.1703 0.1546	0.1701	0.1692	0.1671	0.166	
1990	0.154	0.1539	0.1532	0.1526	0.1523	0.143

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.1852	0.1929	0.1928	0.1911	0.1868	
0.0645161290322581	0.1838	0.189	0.1889	0.1883	0.1866	
0.0967741935483871	0.1748	0.1786	0.1785	0.1775	0.1754	
0.129032258064516	0.1732	0.1762	0.1761	0.1753	0.1739	
0.161290322580645	0.1705	0.1746	0.1745	0.1718	0.1712	
0.193548387096774	0.1676	0.1723	0.1722	0.1711	0.1685	
0.225806451612903	0.1587	0.1711	0.171	0.1702	0.1675	0.166
0.258064516129032	0.1657	0.1703	0.1701	0.1692	0.1671	
0.290322580645161	0.1656	0.1682	0.1681	0.1679	0.1667	
0.32258064516129	0.1641	0.1661	0.166	0.1656	0.1647	
0.354838709677419	0.1609	0.1652	0.1651	0.1645	0.1614	
0.387096774193548	0.1576	0.1624	0.1623	0.1621	0.1586	
0.419354838709677	0.1561	0.1598	0.1597	0.1595	0.156	
0.451612903225806	0.1464	0.1587	0.1587	0.1568	0.1557	0.155
0.483870967741936	0.1546	0.1577	0.1576	0.1566	0.1553	

0.516129032258065	0.1577	0.1575	0.1565	0.1526
0.1523	0.1451			
0.548387096774194	0.1569	0.1568	0.1558	0.1517
0.1509	0.1438			
0.580645161290323	0.154	0.1539	0.1532	0.1516
0.1505	0.143			
0.612903225806452	0.1522	0.1522	0.1519	0.1512
0.1485	0.1417			
0.645161290322581	0.1512	0.1511	0.1504	0.1486
0.1464	0.1387			
0.67741935483871	0.1511	0.151	0.1503	0.147
0.1434	0.1374			
0.709677419354839	0.1496	0.1495	0.1491	0.1444
0.1433	0.1372			
0.741935483870968	0.1488	0.1488	0.1484	0.1439
0.1398	0.1322			
0.774193548387097	0.1482	0.1482	0.1474	0.1366
0.1358	0.1316			
0.806451612903226	0.1403	0.1402	0.1396	0.1334
0.1322	0.1229			
0.838709677419355	0.1388	0.1383	0.1355	0.1213
0.1094	0.092			
0.870967741935484	0.08151	0.08144	0.08134	0.08126
0.08119	0.07891			
0.903225806451613	0.08096	0.0809	0.08048	0.07377
0.06955	0.05624			
0.935483870967742	0.05061	0.05057	0.05037	0.05004
0.04977	0.04547			
0.967741935483871	0.02091	0.0209	0.02081	0.01614
0.01469	0.008204			
0.1	0.17836	0.17826	0.17728	0.17525
0.16276				0.17464

Average of yearly

averages: 0.1332308

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-nursery-air-mar1

Metfile: w23188.dvf

PRZM scenario: CANurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife

Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.06	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift DRFT	0.063	fraction of	application rate applied to pond
Application Date	Date	01-03	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval single app.	7	days	Set to 0 or delete line for
app. rate 1 apprate		kg/ha	
Interval 2 interval single app.	7	days	Set to 0 or delete line for
app. rate 2 apprate		kg/ha	
Interval 3 interval single app.	7	days	Set to 0 or delete line for
app. rate 3 apprate		kg/ha	
Interval 4 interval single app.	7	days	Set to 0 or delete line for
app. rate 4 apprate		kg/ha	
Interval 5 interval single app.	7	days	Set to 0 or delete line for
app. rate 5 apprate		kg/ha	
Interval 6 interval single app.	7	days	Set to 0 or delete line for
app. rate 6 apprate		kg/ha	
Interval 7 interval single app.	7	days	Set to 0 or delete line for
app. rate 7 apprate		kg/ha	
Interval 8 interval single app.	7	days	Set to 0 or delete line for
app. rate 8 apprate		kg/ha	
Interval 9 interval single app.	7	days	Set to 0 or delete line for
app. rate 9 apprate		kg/ha	
Interval 10 interval single app.	7	days	Set to 0 or delete line for
app. rate 10	apprate	kg/ha	
Interval 11 interval single app.	7	days	Set to 0 or delete line for
app. rate 11	apprate	kg/ha	
Interval 12 interval single app.	7	days	Set to 0 or delete line for
app. rate 12	apprate	kg/ha	
Interval 13 interval single app.	7	days	Set to 0 or delete line for
app. rate 13	apprate	kg/ha	
Interval 14 interval single app.	7	days	Set to 0 or delete line for
app. rate 14	apprate	kg/ha	
Interval 15 interval single app.	7	days	Set to 0 or delete line for
app. rate 15	apprate	kg/ha	
Interval 16 interval single app.	7	days	Set to 0 or delete line for
app. rate 16	apprate	kg/ha	

Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

45. CANurserySTD: Christmas Tree Plantings, Conifer Plantations, Orchards, Forest Tree Nurseries, and Forests. July 1, 25 Applications, Aerial.

45.1. Water Column

stored as esfen-agdrift-nursery-air-jul1.out

Chemical: esfenAgDRIFT

PRZM environment: CANurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	1.313 0.02378	0.3749	0.1365	0.08139	0.06718
1962	2.574 0.1609	0.8393	0.2784	0.2064	0.1879
1963	3.495 0.1954	1.067	0.4346	0.3053	0.2676
1964	1.134 0.2662	0.4836	0.3116	0.2851	0.2782

1965	3.06 0.3249	1.383	0.7029	0.5609	0.466	
1966	3.064 0.4598	1.24	0.6601	0.5247	0.4991	
1967	2.95 0.5103	1.213	0.6883	0.5951	0.5475	
1968	1.258 0.5027	0.7195	0.5721	0.5477	0.5456	
1969	4.921 0.5441	1.64	0.7888	0.6665	0.6328	
1970	2.942 0.5129	1.141	0.657	0.5761	0.5571	
1971	1.618 0.5049	0.844	0.5729	0.5356	0.5257	
1972	2.362	1.062	0.6725	0.5702	0.5225	0.48
1973	0.9689 0.4748	0.5673	0.5235	0.5146	0.5115	
1974	3.903 0.4884	1.356	0.6849	0.5517	0.5321	
1975	1.654 0.4914	0.8025	0.5781	0.538	0.525	
1976	3.466 0.5079	1.435	0.7485	0.6098	0.5814	
1977	2.802 0.5135	1.091	0.6314	0.5531	0.5346	
1978	3.408 0.5457	1.333	0.7839	0.6478	0.6205	
1979	1.865 0.5576	1.034	0.6772	0.6495	0.6304	
1980	2.763 0.5625	1.183	0.7489	0.6774	0.6502	
1981	3.496 0.5256	1.265	0.6959	0.6001	0.5767	
1982	1.667 0.5302	0.8785	0.639	0.5787	0.5662	
1983	1.976 0.5223	0.8932	0.6499	0.6073	0.5875	
1984	3.228 0.4242	1.172	0.6649	0.4925	0.4522	
1985	4.295 0.4746	1.433	0.8376	0.6401	0.5624	
1986	2.024 0.5443	0.943	0.6441	0.5895	0.5774	
1987	3.079	1.209	0.7197	0.621	0.5827	0.545
1988	1.761	0.837	0.6492	0.6124	0.6018	0.569
1989	2.598 0.4979	1.013	0.5514	0.5386	0.5345	
1990	1.443 0.4719	0.7576	0.5578	0.53	0.5194	
Sorted results						
Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	4.921	1.64	0.8376	0.6774		
0.6502	0.569					
0.0645161290322581	4.295	1.435	0.7888	0.6665		
0.6328	0.5625					

0.0967741935483871	3.903	1.433	0.7839	0.6495	
0.6304	0.5576				
0.129032258064516	3.496	1.383	0.7489	0.6478	
0.6205	0.5457				
0.161290322580645	3.495	1.356	0.7485	0.6401	
0.6018	0.545				
0.193548387096774	3.466	1.333	0.7197	0.621	
0.5875	0.5443				
0.225806451612903	3.408	1.265	0.7029	0.6124	
0.5827	0.5441				
0.258064516129032	3.228	1.24	0.6959	0.6098	
0.5814	0.5302				
0.290322580645161	3.079	1.213	0.6883	0.6073	
0.5774	0.5256				
0.32258064516129	3.064	1.209	0.6849	0.6001	
0.5767	0.5223				
0.354838709677419	3.06	1.183	0.6772	0.5951	
0.5662	0.5135				
0.387096774193548	2.95	1.172	0.6725	0.5895	
0.5624	0.5129				
0.419354838709677	2.942	1.141	0.6649	0.5787	
0.5571	0.5103				
0.451612903225806	2.802	1.091	0.6601	0.5761	
0.5475	0.5079				
0.483870967741936	2.763	1.067	0.657	0.5702	
0.5456	0.5049				
0.516129032258065	2.598	1.062	0.6499	0.5609	
0.5346	0.5027				
0.548387096774194	2.574	1.034	0.6492	0.5531	
0.5345	0.4979				
0.580645161290323	2.362	1.013	0.6441	0.5517	
0.5321	0.4914				
0.612903225806452	2.024	0.943	0.639	0.5477	
0.5257	0.4884				
0.645161290322581	1.976	0.8932	0.6314	0.5386	0.525
0.48					
0.67741935483871	1.865	0.8785	0.5781	0.538	
0.5225	0.4748				
0.709677419354839	1.761	0.844	0.5729	0.5356	
0.5194	0.4746				
0.741935483870968	1.667	0.8393	0.5721	0.53	
0.5115	0.4719				
0.774193548387097	1.654	0.837	0.5578	0.5247	
0.4991	0.4598				
0.806451612903226	1.618	0.8025	0.5514	0.5146	0.466
0.4242					
0.838709677419355	1.443	0.7576	0.5235	0.4925	
0.4522	0.3249				
0.870967741935484	1.313	0.7195	0.4346	0.3053	
0.2782	0.2662				
0.903225806451613	1.258	0.5673	0.3116	0.2851	
0.2676	0.1954				
0.935483870967742	1.134	0.4836	0.2784	0.2064	
0.1879	0.1609				
0.967741935483871	0.9689	0.3749	0.1365	0.08139	
0.06718	0.02378				

0.1	3.8623	1.428	0.7804	0.64933	0.62941
	0.55641				

Average of yearly averages: 0.457756

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-nursery-air-jul1

Metfile: w23188.dvf

PRZM scenario: CANurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.95	fraction	
Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date Date	01-07	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Interval 3 interval	7	days	Set to 0 or delete line for single app.
app. rate 3 apprate		kg/ha	
Interval 4 interval	7	days	Set to 0 or delete line for single app.
app. rate 4 apprate		kg/ha	
Interval 5 interval	7	days	Set to 0 or delete line for single app.
app. rate 5 apprate		kg/ha	
Interval 6 interval	7	days	Set to 0 or delete line for single app.
app. rate 6 apprate		kg/ha	
Interval 7 interval	7	days	Set to 0 or delete line for single app.
app. rate 7 apprate		kg/ha	

Interval 8 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 8 apprate		kg/ha	
Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate		kg/ha
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate		kg/ha
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate		kg/ha
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate		kg/ha
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate		kg/ha
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate		kg/ha
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate		kg/ha
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate		kg/ha
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		

Flag for Index Res. Run IR	EPA Pond	
Flag for runoff calc. RUNOFF	none	none, monthly or
total(average of entire run)		

45.2. Pore Water

stored as esfen-agdrift-nursery-air-jul1ben.out

Chemical: esfenAgDRIFT

PRZM environment: CANurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.02397 0.004422	0.02396	0.02379	0.01694	0.01403	
1962	0.05593 0.05147	0.05591	0.05564	0.05498	0.05448	
1963	0.09508 0.06263	0.09503	0.09489	0.08525	0.078	
1964	0.09976 0.09124	0.09971	0.09926	0.09805	0.09708	
1965	0.1746 0.1039	0.1745	0.1737	0.1437	0.1271	
1966	0.1797 0.1583	0.1796	0.179	0.1708	0.1694	
1967	0.1997 0.1741	0.1996	0.1943	0.1877	0.1858	
1968	0.1984 0.1774	0.1982	0.197	0.1942	0.1936	
1969	0.2083	0.2082	0.2074	0.2055	0.2041	0.187
1970	0.1948 0.1755	0.1947	0.1937	0.1909	0.1887	
1971	0.1895 0.1747	0.1894	0.1885	0.1861	0.1851	
1972	0.1867 0.1656	0.1866	0.1861	0.1804	0.1785	
1973	0.1849	0.1848	0.1844	0.183	0.1818	0.167
1974	0.1843 0.1657	0.1842	0.1838	0.1799	0.1785	
1975	0.1873 0.1725	0.1872	0.1864	0.1849	0.1832	
1976	0.1965 0.1741	0.1964	0.1954	0.1929	0.191	
1977	0.1886 0.1766	0.1885	0.1875	0.1847	0.1827	
1978	0.2102 0.1853	0.2101	0.209	0.2063	0.2045	
1979	0.2198 0.1944	0.2197	0.2186	0.2158	0.2139	
1980	0.2184 0.1938	0.2183	0.2171	0.2152	0.2135	
1981	0.2017 0.1793	0.2016	0.2006	0.1977	0.1952	

1982	0.2023 0.1837	0.2022	0.2011	0.1979	0.1954	
1983	0.2023 0.1806	0.2022	0.2011	0.1987	0.1972	
1984	0.1764 0.1444	0.1756	0.165	0.1624	0.1604	
1985	0.2014 0.1613	0.2013	0.2008	0.1847	0.1709	
1986	0.2018 0.1883	0.2017	0.2006	0.1984	0.1975	
1987	0.2119 0.1869	0.2118	0.2058	0.2012	0.1997	
1988	0.217	0.2168	0.2157	0.213	0.2117	0.198
1989	0.1976 0.1742	0.1974	0.1963	0.1939	0.192	
1990	0.1839 0.1655	0.1838	0.183	0.1823	0.1811	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.2139	0.2198 0.198	0.2197	0.2186	0.2158	
0.0645161290322581	0.2135	0.2184 0.1944	0.2183	0.2171	0.2152	
0.0967741935483871	0.2117	0.217 0.1938	0.2168	0.2157	0.213	
0.129032258064516	0.2045	0.2119 0.1883	0.2118	0.209	0.2063	
0.161290322580645	0.2041	0.2102 0.187	0.2101	0.2074	0.2055	
0.193548387096774	0.1997	0.2083 0.1869	0.2082	0.2058	0.2012	
0.225806451612903	0.1975	0.2023 0.1853	0.2022	0.2011	0.1987	
0.258064516129032	0.1972	0.2023 0.1837	0.2022	0.2011	0.1984	
0.290322580645161	0.1954	0.2018 0.1806	0.2017	0.2008	0.1979	
0.32258064516129	0.1952	0.2017 0.1793	0.2016	0.2006	0.1977	
0.354838709677419	0.1936	0.2014 0.1774	0.2013	0.2006	0.1942	
0.387096774193548	0.1766	0.1997	0.1996	0.197	0.1939	0.192
0.419354838709677	0.1755	0.1984	0.1982	0.1963	0.1929	0.191
0.451612903225806	0.1887	0.1976 0.1747	0.1974	0.1954	0.1909	
0.483870967741936	0.1858	0.1965 0.1742	0.1964	0.1943	0.1877	
0.516129032258065	0.1851	0.1948 0.1741	0.1947	0.1937	0.1861	
0.548387096774194	0.1832	0.1895 0.1741	0.1894	0.1885	0.1849	
0.580645161290323	0.1827	0.1886 0.1725	0.1885	0.1875	0.1847	

0.612903225806452	0.1873	0.1872	0.1864	0.1847	
0.1818	0.167				
0.645161290322581	0.1867	0.1866	0.1861	0.183	
0.1811	0.1657				
0.67741935483871	0.1849	0.1848	0.1844	0.1823	
0.1785	0.1656				
0.709677419354839	0.1843	0.1842	0.1838	0.1804	
0.1785	0.1655				
0.741935483870968	0.1839	0.1838	0.183	0.1799	
0.1709	0.1613				
0.774193548387097	0.1797	0.1796	0.179	0.1708	
0.1694	0.1583				
0.806451612903226	0.1764	0.1756	0.1737	0.1624	
0.1604	0.1444				
0.838709677419355	0.1746	0.1745	0.165	0.1437	
0.1271	0.1039				
0.870967741935484	0.09976	0.09971	0.09926	0.09805	
0.09708	0.09124				
0.903225806451613	0.09508	0.09503	0.09489	0.08525	0.078
0.06263					
0.935483870967742	0.05593	0.05591	0.05564	0.05498	
0.05448	0.05147				
0.967741935483871	0.02397	0.02396	0.02379	0.01694	
0.01403	0.004422				
0.1	0.21649	0.2163	0.21503	0.21233	0.21098
0.19325					

Average of yearly

averages: 0.157262066666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-nursery-air-jul1

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp	9	days	Half-life	
Aerobic Aquatic Metabolism	kbacw		276	days	
Halfife					
Anaerobic Aquatic Metabolism	kbacs		462	days	
Halfife					
Aerobic Soil Metabolism	asm	138	days	Halfife	
Hydrolysis: pH 7	0	days		Half-life	
Method: CAM	2	integer		See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.06	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction		

Spray Drift DRFT	0.063	fraction of application rate applied to pond	
Application Date	Date	01-07	dd/mm or dd/mmm or dd-mm or dd-mmm
Interval 1 interval single app.	7	days	Set to 0 or delete line for
app. rate 1 apprate		kg/ha	
Interval 2 interval single app.	7	days	Set to 0 or delete line for
app. rate 2 apprate		kg/ha	
Interval 3 interval single app.	7	days	Set to 0 or delete line for
app. rate 3 apprate		kg/ha	
Interval 4 interval single app.	7	days	Set to 0 or delete line for
app. rate 4 apprate		kg/ha	
Interval 5 interval single app.	7	days	Set to 0 or delete line for
app. rate 5 apprate		kg/ha	
Interval 6 interval single app.	7	days	Set to 0 or delete line for
app. rate 6 apprate		kg/ha	
Interval 7 interval single app.	7	days	Set to 0 or delete line for
app. rate 7 apprate		kg/ha	
Interval 8 interval single app.	7	days	Set to 0 or delete line for
app. rate 8 apprate		kg/ha	
Interval 9 interval single app.	7	days	Set to 0 or delete line for
app. rate 9 apprate		kg/ha	
Interval 10 interval single app.	7	days	Set to 0 or delete line for
app. rate 10	apprate		kg/ha
Interval 11 interval single app.	7	days	Set to 0 or delete line for
app. rate 11	apprate		kg/ha
Interval 12 interval single app.	7	days	Set to 0 or delete line for
app. rate 12	apprate		kg/ha
Interval 13 interval single app.	7	days	Set to 0 or delete line for
app. rate 13	apprate		kg/ha
Interval 14 interval single app.	7	days	Set to 0 or delete line for
app. rate 14	apprate		kg/ha
Interval 15 interval single app.	7	days	Set to 0 or delete line for
app. rate 15	apprate		kg/ha
Interval 16 interval single app.	7	days	Set to 0 or delete line for
app. rate 16	apprate		kg/ha
Interval 17 interval single app.	7	days	Set to 0 or delete line for
app. rate 17	apprate		kg/ha
Interval 18 interval single app.	7	days	Set to 0 or delete line for

app. rate 18	apprate		kg/ha
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate		kg/ha
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate		kg/ha
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

46. CANurserySTD: Christmas Tree Plantings, Conifer Plantations, Orchards, Forest Tree Nurseries, and Forests. July 1, 25 Applications, Ground.

46.1. Water Column

stored as esfen-agdrift-nursery-grd-jul1.out

Chemical: esfenAgDRIFT

PRZM environment: CANurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	1.081 0.007418	0.2934	0.08415	0.0381	0.02683
1962	2.366 0.1098	0.752	0.2304	0.1638	0.147
1963	3.234 0.1253	0.9454	0.3343	0.2145	0.1801
1964	0.9767 0.1812	0.3794	0.2327	0.2079	0.2018
1965	2.693 0.2241	1.162	0.5512	0.4282	0.3417
1966	2.721 0.3431	1.056	0.5152	0.3923	0.3715

1967	2.593	1.021	0.5328	0.452	0.4174	
	0.3864					
1968	1.096	0.5864	0.4474	0.4216	0.4198	
	0.3759					
1969	4.469	1.429	0.641	0.5288	0.4986	
	0.4109					
1970	2.624	0.9642	0.5182	0.4437	0.4273	
	0.3794					
1971	1.404	0.6866	0.4369	0.4036	0.3942	
	0.3704					
1972	2.077	0.8629	0.5139	0.4213	0.3781	
	0.3485					
1973	0.6935	0.4102	0.3895	0.3824	0.3807	
	0.3426					
1974	3.399	1.128	0.5206	0.4148	0.3978	
	0.3538					
1975	1.428	0.6462	0.4407	0.4052	0.3942	
	0.3549					
1976	3.101	1.227	0.5946	0.4682	0.443	
	0.3713					
1977	2.569	0.9343	0.4953	0.4221	0.4057	
	0.3845					
1978	3.125	1.183	0.6521	0.522	0.497	
	0.4217					
1979	1.684	0.8896	0.5488	0.5236	0.5064	
	0.4339					
1980	2.478	1.014	0.6119	0.547	0.5229	
	0.4365					
1981	3.072	1.064	0.5615	0.4746	0.4541	
	0.3992					
1982	1.465	0.7309	0.5085	0.4538	0.4394	
	0.4007					
1983	1.768	0.746	0.5164	0.4777	0.4602	
	0.3942					
1984	2.947	1.009	0.5258	0.3593	0.3269	
	0.3046					
1985	3.716	1.195	0.6695	0.4907	0.4206	
	0.3508					
1986	1.791	0.7639	0.4953	0.4475	0.4369	
	0.4142					
1987	2.749	1.028	0.5731	0.4781	0.443	0.416
1988	1.417	0.6722	0.5181	0.4844	0.4755	
	0.4389					
1989	2.33	0.8491	0.4143	0.4096	0.4067	
	0.3686					
1990	1.252	0.6117	0.4256	0.4009	0.3913	
	0.3431					
Sorted results						
Prob.	Peak	96 hr	21 Day	60 Day	90 Day	
	Yearly					
0.032258064516129	4.469	1.429	0.6695	0.547		
	0.5229	0.4389				
0.0645161290322581	3.716	1.227	0.6521	0.5288		
	0.5064	0.4365				
0.0967741935483871	3.399	1.195	0.641	0.5236		
	0.4986	0.4339				

0.129032258064516 0.4217	3.234	1.183	0.6119	0.522	0.497
0.161290322580645 0.4755	3.125 0.416	1.162	0.5946	0.4907	
0.193548387096774 0.4602	3.101 0.4142	1.128	0.5731	0.4844	
0.225806451612903 0.4541	3.072 0.4109	1.064	0.5615	0.4781	
0.258064516129032 0.4007	2.947	1.056	0.5512	0.4777	0.443
0.290322580645161 0.3992	2.749	1.028	0.5488	0.4746	0.443
0.32258064516129 0.4394	2.721 0.3942	1.021	0.5328	0.4682	
0.354838709677419 0.4369	2.693 0.3864	1.014	0.5258	0.4538	
0.387096774193548 0.4273	2.624 0.3845	1.009	0.5206	0.452	
0.419354838709677 0.4206	2.593 0.3794	0.9642	0.5182	0.4475	
0.451612903225806 0.4198	2.569 0.3759	0.9454	0.5181	0.4437	
0.483870967741936 0.4174	2.478 0.3713	0.9343	0.5164	0.4282	
0.516129032258065 0.4067	2.366 0.3704	0.8896	0.5152	0.4221	
0.548387096774194 0.4057	2.33 0.3686	0.8629	0.5139	0.4216	
0.580645161290323 0.3978	2.077 0.3549	0.8491	0.5085	0.4213	
0.612903225806452 0.3942	1.791 0.3538	0.7639	0.4953	0.4148	
0.645161290322581 0.3942	1.768 0.3508	0.752	0.4953	0.4096	
0.67741935483871 0.3913	1.684 0.3485	0.746	0.4474	0.4052	
0.709677419354839 0.3807	1.465 0.3431	0.7309	0.4407	0.4036	
0.741935483870968 0.3781	1.428 0.3431	0.6866	0.4369	0.4009	
0.774193548387097 0.3715	1.417 0.3426	0.6722	0.4256	0.3923	
0.806451612903226 0.3417	1.404 0.3046	0.6462	0.4143	0.3824	
0.838709677419355 0.3269	1.252 0.2241	0.6117	0.3895	0.3593	
0.870967741935484 0.2018	1.096 0.1812	0.5864	0.3343	0.2145	
0.903225806451613 0.1801	1.081 0.1253	0.4102	0.2327	0.2079	
0.935483870967742 0.1098	0.9767	0.3794	0.2304	0.1638	0.147
0.967741935483871 0.02683	0.6935 0.007418	0.2934	0.08415	0.0381	
0.1 0.43268	3.3825	1.1938	0.63809	0.52344	0.49844

averages: 0.3397306

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-nursery-grd-jul1

Metfile: w23188.dvf

PRZM scenario: CANurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs		462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days		Half-life
Method: CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.06	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond		
Application Date	Date	01-07	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.	
app. rate 1 apprate		kg/ha		
Interval 2 interval	7	days	Set to 0 or delete line for single app.	
app. rate 2 apprate		kg/ha		
Interval 3 interval	7	days	Set to 0 or delete line for single app.	
app. rate 3 apprate		kg/ha		
Interval 4 interval	7	days	Set to 0 or delete line for single app.	
app. rate 4 apprate		kg/ha		
Interval 5 interval	7	days	Set to 0 or delete line for single app.	
app. rate 5 apprate		kg/ha		
Interval 6 interval	7	days	Set to 0 or delete line for single app.	
app. rate 6 apprate		kg/ha		
Interval 7 interval	7	days	Set to 0 or delete line for single app.	
app. rate 7 apprate		kg/ha		
Interval 8 interval	7	days	Set to 0 or delete line for single app.	
app. rate 8 apprate		kg/ha		

Interval 9 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 9 apprate		kg/ha	
Interval 10 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 10	apprate	kg/ha	
Interval 11 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 11	apprate	kg/ha	
Interval 12 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 12	apprate	kg/ha	
Interval 13 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 13	apprate	kg/ha	
Interval 14 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 14	apprate	kg/ha	
Interval 15 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 15	apprate	kg/ha	
Interval 16 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 16	apprate	kg/ha	
Interval 17 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 17	apprate	kg/ha	
Interval 18 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 18	apprate	kg/ha	
Interval 19 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 19	apprate	kg/ha	
Interval 20 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 20	apprate	kg/ha	
Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate	kg/ha	
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate	kg/ha	
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate	kg/ha	
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate	kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

46.2. Pore Water

stored as esfen-agdrift-nursery-grd-jul1ben.out

Chemical: esfenAgDRIFT

PRZM environment: CANurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.01175 0.001238	0.01174	0.01172	0.006427	0.004589	
1962	0.04192 0.03591	0.0419	0.0417	0.04118	0.04073	
1963	0.06726 0.04018	0.06722	0.06693	0.05805	0.05186	
1964	0.07156 0.06331	0.07153	0.0712	0.07035	0.06967	
1965	0.1325 0.07101	0.1324	0.1317	0.1043	0.08961	
1966	0.1363 0.1191	0.1363	0.1356	0.1297	0.1288	
1967	0.1528 0.1326	0.1527	0.1478	0.145	0.1435	
1968	0.1518 0.1344	0.1516	0.1507	0.1486	0.1484	
1969	0.1613	0.1612	0.1606	0.159	0.1577	0.142
1970	0.1479 0.1305	0.1478	0.1471	0.145	0.1433	
1971	0.1416	0.1415	0.1409	0.1391	0.1378	0.129
1972	0.1381 0.1212	0.1381	0.1375	0.1335	0.1321	
1973	0.1366	0.1365	0.1363	0.1355	0.1348	0.122
1974	0.1352 0.1204	0.1351	0.1345	0.1321	0.1311	
1975	0.1394 0.1261	0.1394	0.1387	0.1378	0.1366	
1976	0.1467 0.1278	0.1467	0.1459	0.1441	0.1427	
1977	0.1412 0.1328	0.1412	0.1404	0.1383	0.1368	
1978	0.1651 0.1435	0.165	0.1641	0.1621	0.1608	
1979	0.1751 0.1525	0.175	0.1741	0.1719	0.17	
1980	0.1737 0.1514	0.1736	0.1727	0.1709	0.1697	
1981	0.1572	0.1571	0.1563	0.1541	0.1522	0.137
1982	0.1571	0.157	0.1562	0.1537	0.1517	0.14
1983	0.1567 0.1373	0.1566	0.1558	0.1541	0.1525	
1984	0.1321 0.1043	0.1313	0.1211	0.1192	0.1177	

1985	0.1539 0.1199	0.1539	0.1532	0.1387	0.1281	
1986	0.1557 0.1442	0.1557	0.1548	0.1534	0.152	
1987	0.1646 0.1433	0.1645	0.1589	0.1552	0.1542	
1988	0.1706	0.1705	0.1696	0.1672	0.1659	0.154
1989	0.1503 0.1304	0.1501	0.1492	0.1474	0.146	
1990	0.1377 0.1218	0.1376	0.137	0.1364	0.1356	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129 0.154		0.1751	0.175	0.1741	0.1719	0.17
0.0645161290322581 0.1697		0.1737 0.1525	0.1736	0.1727	0.1709	
0.0967741935483871 0.1659		0.1706 0.1514	0.1705	0.1696	0.1672	
0.129032258064516 0.1608		0.1651 0.1442	0.165	0.1641	0.1621	
0.161290322580645 0.1577		0.1646 0.1435	0.1645	0.1606	0.159	
0.193548387096774 0.1542		0.1613 0.1433	0.1612	0.1589	0.1552	
0.225806451612903 0.1525		0.1572 0.142	0.1571	0.1563	0.1541	
0.258064516129032 0.1522		0.1571 0.14	0.157	0.1562	0.1541	
0.290322580645161 0.1373		0.1567	0.1566	0.1558	0.1537	0.152
0.32258064516129 0.1517		0.1557 0.137	0.1557	0.1548	0.1534	
0.354838709677419 0.1484		0.1539 0.1344	0.1539	0.1532	0.1486	
0.387096774193548 0.1328		0.1528	0.1527	0.1507	0.1474	0.146
0.419354838709677 0.1435		0.1518 0.1326	0.1516	0.1492	0.145	
0.451612903225806 0.1433		0.1503 0.1305	0.1501	0.1478	0.145	
0.483870967741936 0.1427		0.1479 0.1304	0.1478	0.1471	0.1441	
0.516129032258065 0.1378		0.1467 0.129	0.1467	0.1459	0.1391	
0.548387096774194 0.1368		0.1416 0.1278	0.1415	0.1409	0.1387	
0.580645161290323 0.1366		0.1412 0.1261	0.1412	0.1404	0.1383	
0.612903225806452 0.1356		0.1394 0.122	0.1394	0.1387	0.1378	
0.645161290322581 0.1348		0.1381 0.1218	0.1381	0.1375	0.1364	
0.67741935483871 0.1321		0.1377 0.1212	0.1376	0.137	0.1355	

0.709677419354839	0.1366	0.1365	0.1363	0.1335
0.1311	0.1204			
0.741935483870968	0.1363	0.1363	0.1356	0.1321
0.1288	0.1199			
0.774193548387097	0.1352	0.1351	0.1345	0.1297
0.1281	0.1191			
0.806451612903226	0.1325	0.1324	0.1317	0.1192
0.1177	0.1043			
0.838709677419355	0.1321	0.1313	0.1211	0.1043
0.08961	0.07101			
0.870967741935484	0.07156	0.07153	0.0712	0.07035
0.06967	0.06331			
0.903225806451613	0.06726	0.06722	0.06693	0.05805
0.05186	0.04018			
0.935483870967742	0.04192	0.0419	0.0417	0.04118
0.04073	0.03591			
0.967741935483871	0.01175	0.01174	0.01172	0.006427
0.004589	0.001238			
0.1	0.17005	0.16995	0.16905	0.16669
0.15068				0.16539

Average of yearly

averages: 0.117638266666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-nursery-grd-jul1

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.06	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-07	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	

Interval 2 interval single app.	7	days	Set to 0 or delete line for
app. rate 2 apprate		kg/ha	
Interval 3 interval single app.	7	days	Set to 0 or delete line for
app. rate 3 apprate		kg/ha	
Interval 4 interval single app.	7	days	Set to 0 or delete line for
app. rate 4 apprate		kg/ha	
Interval 5 interval single app.	7	days	Set to 0 or delete line for
app. rate 5 apprate		kg/ha	
Interval 6 interval single app.	7	days	Set to 0 or delete line for
app. rate 6 apprate		kg/ha	
Interval 7 interval single app.	7	days	Set to 0 or delete line for
app. rate 7 apprate		kg/ha	
Interval 8 interval single app.	7	days	Set to 0 or delete line for
app. rate 8 apprate		kg/ha	
Interval 9 interval single app.	7	days	Set to 0 or delete line for
app. rate 9 apprate		kg/ha	
Interval 10 interval single app.	7	days	Set to 0 or delete line for
app. rate 10	apprate	kg/ha	
Interval 11 interval single app.	7	days	Set to 0 or delete line for
app. rate 11	apprate	kg/ha	
Interval 12 interval single app.	7	days	Set to 0 or delete line for
app. rate 12	apprate	kg/ha	
Interval 13 interval single app.	7	days	Set to 0 or delete line for
app. rate 13	apprate	kg/ha	
Interval 14 interval single app.	7	days	Set to 0 or delete line for
app. rate 14	apprate	kg/ha	
Interval 15 interval single app.	7	days	Set to 0 or delete line for
app. rate 15	apprate	kg/ha	
Interval 16 interval single app.	7	days	Set to 0 or delete line for
app. rate 16	apprate	kg/ha	
Interval 17 interval single app.	7	days	Set to 0 or delete line for
app. rate 17	apprate	kg/ha	
Interval 18 interval single app.	7	days	Set to 0 or delete line for
app. rate 18	apprate	kg/ha	
Interval 19 interval single app.	7	days	Set to 0 or delete line for
app. rate 19	apprate	kg/ha	
Interval 20 interval single app.	7	days	Set to 0 or delete line for
app. rate 20	apprate	kg/ha	

Interval 21 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 21	apprate		kg/ha
Interval 22 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 22	apprate		kg/ha
Interval 23 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 23	apprate		kg/ha
Interval 24 interval	7	days	Set to 0 or delete line for
single app.			
app. rate 24	apprate		kg/ha
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

47. CAresidentialRLF: Non-agricultural Uses. April 1, 1 Application, Ground.

47.1. Water Column

stored as esfen-agdrift-resid-nonag-1ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.04801 0.000602	0.01245	0.002927	0.001441	0.001174
1962	0.04861 0.001218	0.01301	0.003512	0.002027	0.001758
1963	0.04924 0.001746	0.01364	0.004129	0.002634	0.002359
1964	0.04955 0.002052	0.01399	0.004453	0.002957	0.002677
1965	0.04979 0.002284	0.01419	0.004691	0.003193	0.002912
1966	0.05001 0.002477	0.01442	0.004898	0.003398	0.003114
1967	0.05028 0.002751	0.01468	0.005257	0.003709	0.003417
1968	0.05037 0.002818	0.01477	0.005262	0.003755	0.00347
1969	0.05047 0.00291	0.01487	0.005355	0.003852	0.003561
1970	0.05065 0.002969	0.01495	0.005424	0.003911	0.003621

1971	0.05057 0.003015	0.01502	0.005463	0.00396	0.003673
1972	0.05074 0.003047	0.01504	0.00548	0.003979	0.003691
1973	0.0507 0.003143	0.0151	0.005594	0.004087	0.003796
1974	0.05173 0.003184	0.01541	0.005698	0.004162	0.003866
1975	0.05075 0.003185	0.01518	0.005638	0.004134	0.003845
1976	0.05076 0.003169	0.0152	0.00564	0.004137	0.003845
1977	0.05074 0.003163	0.01515	0.005633	0.004119	0.003827
1978	0.05074 0.003167	0.01514	0.005643	0.004131	0.003837
1979	0.05077 0.003192	0.0152	0.005664	0.00415	0.003858
1980	0.05076 0.003184	0.01516	0.005644	0.004137	0.003846
1981	0.05074 0.00318	0.01518	0.005639	0.004127	0.003836
1982	0.05112 0.00344	0.01543	0.00594	0.004401	0.004102
1983	0.05101 0.003406	0.01544	0.005903	0.004383	0.004089
1984	0.05088 0.003296	0.01528	0.005773	0.004266	0.003971
1985	0.05084 0.003246	0.01527	0.005729	0.004218	0.003923
1986	0.05098 0.003222	0.01526	0.005701	0.004189	0.003894
1987	0.05075 0.003162	0.01519	0.00565	0.004133	0.003837
1988	0.05067 0.0031	0.01511	0.0056	0.004074	0.003778
1989	0.05065 0.003064	0.01508	0.005537	0.00402	0.003727
1990	0.05063 0.003037	0.01503	0.00551	0.004003	0.003711

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.004102	0.05173 0.00344	0.01544	0.00594	0.004401
0.0645161290322581	0.004089	0.05112 0.003406	0.01543	0.005903	0.004383
0.0967741935483871	0.003971	0.05101 0.003296	0.01541	0.005773	0.004266
0.129032258064516	0.003923	0.05098 0.003246	0.01528	0.005729	0.004218
0.161290322580645	0.003894	0.05088 0.003222	0.01527	0.005701	0.004189
0.193548387096774	0.003866	0.05084 0.003192	0.01526	0.005698	0.004162

0.225806451612903	0.05077	0.0152	0.005664	0.00415
0.003858	0.003185			
0.258064516129032	0.05076	0.0152	0.00565	0.004137
0.003846	0.003184			
0.290322580645161	0.05076	0.01519	0.005644	0.004137
0.003845	0.003184			
0.32258064516129	0.05075	0.01518	0.005643	0.004134
0.003845	0.00318			
0.354838709677419	0.05075	0.01518	0.00564	0.004133
0.003837	0.003169			
0.387096774193548	0.05074	0.01516	0.005639	0.004131
0.003837	0.003167			
0.419354838709677	0.05074	0.01515	0.005638	0.004127
0.003836	0.003163			
0.451612903225806	0.05074	0.01514	0.005633	0.004119
0.003827	0.003162			
0.483870967741936	0.05074	0.01511	0.0056	0.004087
0.003796	0.003143			
0.516129032258065	0.0507	0.0151	0.005594	0.004074
0.003778	0.0031			
0.548387096774194	0.05067	0.01508	0.005537	0.00402
0.003727	0.003064			
0.580645161290323	0.05065	0.01504	0.00551	0.004003
0.003711	0.003047			
0.612903225806452	0.05065	0.01503	0.00548	0.003979
0.003691	0.003037			
0.645161290322581	0.05063	0.01502	0.005463	0.00396
0.003673	0.003015			
0.67741935483871	0.05057	0.01495	0.005424	0.003911
0.003621	0.002969			
0.709677419354839	0.05047	0.01487	0.005355	0.003852
0.003561	0.00291			
0.741935483870968	0.05037	0.01477	0.005262	0.003755
0.00347	0.002818			
0.774193548387097	0.05028	0.01468	0.005257	0.003709
0.003417	0.002751			
0.806451612903226	0.05001	0.01442	0.004898	0.003398
0.003114	0.002477			
0.838709677419355	0.04979	0.01419	0.004691	0.003193
0.002912	0.002284			
0.870967741935484	0.04955	0.01399	0.004453	0.002957
0.002677	0.002052			
0.903225806451613	0.04924	0.01364	0.004129	0.002634
0.002359	0.001746			
0.935483870967742	0.04861	0.01301	0.003512	0.002027
0.001758	0.001218			
0.967741935483871	0.04801	0.01245	0.002927	0.001441
0.001174	0.000602			
0.1	0.051007	0.015397	0.0057686	0.0042612
0.003291				

Average of yearly

averages: 0.002847633333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-resid-nonag-1ap

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol
Vapor Pressure	vapr	4.5E-7	torr
Solubility	sol	0.006	mg/L
Kd	Kd		mg/L
Koc	Koc	251717	mg/L
Photolysis half-life	kdp	9	days
Aerobic Aquatic Metabolism	kbacw	276	days
Halfife			
Anaerobic Aquatic Metabolism	kbacs	462	days
Halfife			
Aerobic Soil Metabolism	asm	138	days
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	4	cm
Application Rate:	TAPP	0.22	kg/ha
Application Efficiency:	APPEFF	0.99	fraction
Spray Drift DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

47.2. Pore Water

stored as esfen-agdrift-resid-nonag-1apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf

modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.000226 0.0001652	0.0002258	0.0002255	0.000225	0.0002247
1962	0.0004626 0.0003795	0.0004623	0.0004601	0.0004548	0.0004485
1963	0.0006643 0.000576	0.0006641	0.0006616	0.0006559	0.0006518

1964	0.0007778	0.0007774	0.0007754	0.0007698	0.0007646
	0.0006861				
1965	0.0008635	0.0008632	0.0008604	0.0008539	0.0008487
	0.0007699				
1966	0.0009421	0.0009417	0.0009379	0.0009293	0.0009224
	0.0008405				
1967	0.001049	0.001048	0.001045	0.001035	0.001027
	0.0009328				
1968	0.00107	0.00107	0.001066	0.001057	0.001049
	0.0009622				
1969	0.001106	0.001105	0.001101	0.001091	0.001083
	0.0009944				
1970	0.001123	0.001123	0.00112	0.00111	0.001102
	0.001014				
1971	0.001145	0.001145	0.001141	0.001131	0.001123
	0.001034				
1972	0.001151	0.001151	0.001146	0.001136	0.001128
	0.001043				
1973	0.00119	0.00119	0.001186	0.001175	0.001165
	0.001076				
1974	0.001212	0.001212	0.001208	0.001197	0.001189
	0.001094				
1975	0.001209	0.001209	0.001205	0.001194	0.001185
	0.001095				
1976	0.00121	0.00121	0.001205	0.001194	0.001185
	0.001089				
1977	0.001206	0.001205	0.001201	0.001189	0.00118
	0.001087				
1978	0.001202	0.001201	0.001199	0.001188	0.001179
	0.001087				
1979	0.001216	0.001215	0.001211	0.001198	0.001189
	0.001094				
1980	0.00121	0.001209	0.001205	0.001194	0.001185
	0.001094				
1981	0.001205	0.001204	0.0012	0.001189	0.001179
	0.00109				
1982	0.001296	0.001296	0.001292	0.001282	0.001272
	0.001175				
1983	0.001301	0.0013	0.001296	0.001283	0.001272
	0.001172				
1984	0.001254	0.001254	0.001249	0.001238	0.001228
	0.001134				
1985	0.001239	0.001239	0.001234	0.001222	0.001212
	0.001116				
1986	0.001228	0.001227	0.001223	0.001212	0.001202
	0.001107				
1987	0.001209	0.001208	0.001204	0.001191	0.001181
	0.001086				
1988	0.001179	0.001179	0.001176	0.001167	0.001157
	0.001064				
1989	0.00117	0.001169	0.001164	0.001151	0.001141
	0.001051				
1990	0.001163	0.001162	0.001157	0.001146	0.001136
	0.001042				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129		0.001301	0.0013	0.001296	0.001283
	0.001272	0.001175			
0.0645161290322581		0.001296	0.001296	0.001292	0.001282
	0.001272	0.001172			
0.0967741935483871		0.001254	0.001254	0.001249	0.001238
	0.001228	0.001134			
0.129032258064516		0.001239	0.001239	0.001234	0.001222
	0.001212	0.001116			
0.161290322580645		0.001228	0.001227	0.001223	0.001212
	0.001202	0.001107			
0.193548387096774		0.001216	0.001215	0.001211	0.001198
	0.001189	0.001095			
0.225806451612903		0.001212	0.001212	0.001208	0.001197
	0.001189	0.001094			
0.258064516129032		0.00121	0.00121	0.001205	0.001194
	0.001185	0.001094			
0.290322580645161		0.00121	0.001209	0.001205	0.001194
	0.001185	0.001094			
0.32258064516129		0.001209	0.001209	0.001205	0.001194
	0.001185	0.00109			
0.354838709677419		0.001209	0.001208	0.001204	0.001191
	0.001181	0.001089			
0.387096774193548		0.001206	0.001205	0.001201	0.001189
	0.00118	0.001087			
0.419354838709677		0.001205	0.001204	0.0012	0.001189
	0.001179	0.001087			
0.451612903225806		0.001202	0.001201	0.001199	0.001188
	0.001179	0.001086			
0.483870967741936		0.00119	0.00119	0.001186	0.001175
	0.001165	0.001076			
0.516129032258065		0.001179	0.001179	0.001176	0.001167
	0.001157	0.001064			
0.548387096774194		0.00117	0.001169	0.001164	0.001151
	0.001141	0.001051			
0.580645161290323		0.001163	0.001162	0.001157	0.001146
	0.001136	0.001043			
0.612903225806452		0.001151	0.001151	0.001146	0.001136
	0.001128	0.001042			
0.645161290322581		0.001145	0.001145	0.001141	0.001131
	0.001123	0.001034			
0.67741935483871		0.001123	0.001123	0.00112	0.00111
	0.001102	0.001014			
0.709677419354839		0.001106	0.001105	0.001101	0.001091
	0.001083	0.0009944			
0.741935483870968		0.00107	0.00107	0.001066	0.001057
	0.001049	0.0009622			
0.774193548387097		0.001049	0.001048	0.001045	0.001035
	0.001027	0.0009328			
0.806451612903226		0.0009421	0.0009417	0.0009379	0.0009293
	0.0009224	0.0008405			
0.838709677419355		0.0008635	0.0008632	0.0008604	0.0008539
	0.0008487	0.0007699			
0.870967741935484		0.0007778	0.0007774	0.0007754	0.0007698
	0.0007646	0.0006861			

0.903225806451613	0.0006643	0.0006641	0.0006616	0.0006559
0.0006518	0.000576			
0.935483870967742	0.0004626	0.0004623	0.0004601	0.0004548
0.0004485	0.0003795			
0.967741935483871	0.000226	0.0002258	0.0002255	0.000225
0.0002247	0.0001652			

0.1	0.0012525	0.0012525	0.0012475	0.0012364	0.0012264
	0.0011322				

Average of yearly

averages: 0.000971686666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-resid-nonag-1ap

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none	none, monthly or	
total(average of entire run)			

48. CAresidentialRLF: Non-agricultural Uses. April 1, 2 Application, Ground.

48.1. Water Column

stored as esfen-agdrift-resid-nonag-2ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt
2007 at 12:04:34

modified Tuesday, 20 February

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.04889 0.001193	0.0131	0.005642	0.002808	0.0023
1962	0.0499 0.002432	0.01425	0.006815	0.003984	0.003472
1963	0.05114 0.003492	0.0155	0.008055	0.005205	0.004681
1964	0.05174 0.004106	0.01619	0.008705	0.005852	0.005316
1965	0.05227 0.004571	0.01683	0.00919	0.006329	0.005792
1966	0.05271 0.004959	0.01705	0.0096	0.006738	0.006196
1967	0.05344 0.005486	0.0177	0.01024	0.007315	0.006762
1968	0.05341 0.00562	0.01774	0.01031	0.007432	0.006886
1969	0.05355 0.00581	0.01793	0.0105	0.007631	0.007074
1970	0.05367 0.005929	0.01812	0.01063	0.007748	0.007193
1971	0.05377 0.006023	0.01822	0.01072	0.007852	0.007303
1972	0.05381 0.006091	0.01819	0.01075	0.00789	0.007341
1973	0.05403 0.006288	0.01846	0.01099	0.008113	0.007555
1974	0.05464 0.006358	0.01858	0.01115	0.008237	0.007674
1975	0.05413 0.006362	0.01851	0.01107	0.008197	0.007644
1976	0.05413 0.006332	0.01851	0.01107	0.008204	0.007645
1977	0.05411 0.006323	0.01849	0.01106	0.008173	0.007613
1978	0.0541 0.006335	0.01848	0.01109	0.008202	0.007639
1979	0.05417 0.006388	0.0186	0.01113	0.00824	0.007683
1980	0.05414 0.006375	0.01859	0.0111	0.008222	0.007665
1981	0.05418 0.006366	0.01851	0.01108	0.008195	0.007638
1982	0.05459 0.006897	0.01957	0.0117	0.008758	0.008184
1983	0.05501 0.006828	0.01913	0.01162	0.008719	0.008157
1984	0.0544 0.006605	0.01878	0.01136	0.008483	0.007919

1985	0.05431 0.006503	0.01876	0.01127	0.008386	0.007821
1986	0.05425 0.006456	0.01868	0.01121	0.008326	0.007762
1987	0.05414 0.006332	0.0186	0.01111	0.008213	0.007647
1988	0.05397 0.006208	0.01842	0.01101	0.008095	0.007526
1989	0.05423 0.006134	0.01838	0.01088	0.007986	0.007424
1990	0.0539 0.006081	0.01827	0.01083	0.007951	0.007391

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.008184	0.05501 0.006897	0.01957	0.0117	0.008758
0.0645161290322581	0.008157	0.05464 0.006828	0.01913	0.01162	0.008719
0.0967741935483871	0.007919	0.05459 0.006605	0.01878	0.01136	0.008483
0.129032258064516	0.007821	0.0544 0.006503	0.01876	0.01127	0.008386
0.161290322580645	0.007762	0.05431 0.006456	0.01868	0.01121	0.008326
0.193548387096774	0.007683	0.05425 0.006388	0.0186	0.01115	0.00824
0.225806451612903	0.007674	0.05423 0.006375	0.0186	0.01113	0.008237
0.258064516129032	0.007665	0.05418 0.006366	0.01859	0.01111	0.008222
0.290322580645161	0.007647	0.05417 0.006362	0.01858	0.0111	0.008213
0.32258064516129	0.007645	0.05414 0.006358	0.01851	0.01109	0.008204
0.354838709677419	0.007644	0.05414 0.006335	0.01851	0.01108	0.008202
0.387096774193548	0.007639	0.05413 0.006332	0.01851	0.01107	0.008197
0.419354838709677	0.007638	0.05413 0.006332	0.01849	0.01107	0.008195
0.451612903225806	0.007613	0.05411 0.006323	0.01848	0.01106	0.008173
0.483870967741936	0.007555	0.0541 0.006288	0.01846	0.01101	0.008113
0.516129032258065	0.007526	0.05403 0.006208	0.01842	0.01099	0.008095
0.548387096774194	0.007424	0.05397 0.006134	0.01838	0.01088	0.007986
0.580645161290323	0.007391	0.0539 0.006091	0.01827	0.01083	0.007951
0.612903225806452	0.007341	0.05381 0.006081	0.01822	0.01075	0.00789
0.645161290322581	0.007303	0.05377 0.006023	0.01819	0.01072	0.007852

0.67741935483871	0.05367	0.01812	0.01063	0.007748
0.007193	0.005929			
0.709677419354839	0.05355	0.01793	0.0105	0.007631
0.007074	0.00581			
0.741935483870968	0.05344	0.01774	0.01031	0.007432
0.006886	0.00562			
0.774193548387097	0.05341	0.0177	0.01024	0.007315
0.006762	0.005486			
0.806451612903226	0.05271	0.01705	0.0096	0.006738
0.006196	0.004959			
0.838709677419355	0.05227	0.01683	0.00919	0.006329
0.005792	0.004571			
0.870967741935484	0.05174	0.01619	0.008705	0.005852
0.005316	0.004106			
0.903225806451613	0.05114	0.0155	0.008055	0.005205
0.004681	0.003492			
0.935483870967742	0.0499	0.01425	0.006815	0.003984
0.003472	0.002432			
0.967741935483871	0.04889	0.0131	0.005642	0.002808
0.0023	0.001193			
0.1	0.054571	0.018778	0.011351	0.0084733
0.0065948				0.0079092

Average of yearly

averages: 0.0056961

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-resid-nonag-2ap

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		419.9	g/mol	
Henry's Law Const.	henry		1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr		4.5E-7	torr	
Solubility	sol	0.006	mg/L		
Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp	9	days		Half-life
Aerobic Aquatic Metabolism		kbacw	276	days	days
Halfife					
Anaerobic Aquatic Metabolism		kbacs	462	days	days
Halfife					
Aerobic Soil Metabolism	asm	138	days		Halfife
Hydrolysis: pH 7	0	days			Half-life
Method: CAM	1	integer			See PRZM manual
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.22	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction		
Spray Drift DRFT	0.007	fraction of			application rate applied to
pond					
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or		
dd-mmm					

Interval 1 interval 7 days Set to 0 or delete line for
 single app.
 app. rate 1 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

48.2. Pore Water

stored as esfen-agdrift-resid-nonag-2apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

modified Tuesday, 20 February

2007 at 12:04:34

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.000452 0.0003266	0.0004518	0.000451	0.0004502	0.0004497
1962	0.0009293 0.0007568	0.0009287	0.0009243	0.0009136	0.0009008
1963	0.001329 0.001152	0.001328	0.001323	0.001312	0.001304
1964	0.001556 0.001372	0.001556	0.001551	0.00154	0.001529
1965	0.00173 0.001541	0.001729	0.001722	0.001709	0.001698
1966	0.001883 0.001683	0.001882	0.001875	0.001858	0.001845
1967	0.00209 0.001861	0.002089	0.002081	0.00206	0.002044
1968	0.002131 0.001919	0.002131	0.002125	0.002106	0.002091
1969	0.002203 0.001985	0.002203	0.002196	0.002176	0.002158
1970	0.002242 0.002026	0.002241	0.002235	0.002215	0.002197
1971	0.002286 0.002066	0.002285	0.002277	0.002257	0.00224
1972	0.002296 0.002085	0.002294	0.002288	0.002268	0.002252
1973	0.002377 0.002152	0.002376	0.002368	0.002346	0.002327
1974	0.002417 0.002185	0.002416	0.002409	0.002387	0.002369
1975	0.002411 0.002186	0.00241	0.002403	0.002381	0.002363

1976	0.002413 0.002176	0.002412	0.002404	0.002383	0.002362
1977	0.002405 0.002173	0.002404	0.002396	0.002373	0.002354
1978	0.002404 0.002173	0.002403	0.002396	0.002374	0.002356
1979	0.002429 0.002189	0.002428	0.002419	0.002394	0.002374
1980	0.002419 0.00219	0.002418	0.00241	0.002388	0.002369
1981	0.002408 0.002182	0.002407	0.002398	0.002376	0.002356
1982	0.002601 0.002356	0.0026	0.002591	0.002567	0.002547
1983	0.002604 0.00235	0.002603	0.002593	0.002566	0.002545
1984	0.00251 0.002273	0.002509	0.0025	0.002476	0.002456
1985	0.002479 0.002237	0.002477	0.002468	0.002444	0.002423
1986	0.002456 0.002218	0.002455	0.002447	0.002424	0.002403
1987	0.002416 0.002176	0.002415	0.002407	0.002381	0.00236
1988	0.00236 0.00213	0.002359	0.002354	0.002333	0.002314
1989	0.002337 0.002105	0.002337	0.002326	0.002301	0.002281
1990	0.002323 0.002086	0.002322	0.002313	0.00229	0.002271

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.002547	0.002604	0.002603	0.002593	0.002567
0.0645161290322581	0.002545	0.002601	0.0026	0.002591	0.002566
0.0967741935483871	0.002456	0.00251	0.002509	0.0025	0.002476
0.129032258064516	0.002423	0.002479	0.002477	0.002468	0.002444
0.161290322580645	0.002403	0.002456	0.002455	0.002447	0.002424
0.193548387096774	0.002374	0.002429	0.002428	0.002419	0.002394
0.225806451612903	0.002369	0.002419	0.002418	0.00241	0.002388
0.258064516129032	0.002369	0.002417	0.002416	0.002409	0.002387
0.290322580645161	0.002363	0.002416	0.002415	0.002407	0.002383
0.32258064516129	0.002362	0.002413	0.002412	0.002404	0.002381
0.354838709677419	0.00236	0.002411	0.00241	0.002403	0.002381

0.387096774193548	0.002408	0.002407	0.002398	0.002376
0.002356	0.002176			
0.419354838709677	0.002405	0.002404	0.002396	0.002374
0.002356	0.002173			
0.451612903225806	0.002404	0.002403	0.002396	0.002373
0.002354	0.002173			
0.483870967741936	0.002377	0.002376	0.002368	0.002346
0.002327	0.002152			
0.516129032258065	0.00236	0.002359	0.002354	0.002333
0.002314	0.00213			
0.548387096774194	0.002337	0.002337	0.002326	0.002301
0.002281	0.002105			
0.580645161290323	0.002323	0.002322	0.002313	0.00229
0.002271	0.002086			
0.612903225806452	0.002296	0.002294	0.002288	0.002268
0.002252	0.002085			
0.645161290322581	0.002286	0.002285	0.002277	0.002257
0.00224	0.002066			
0.67741935483871	0.002242	0.002241	0.002235	0.002215
0.002197	0.002026			
0.709677419354839	0.002203	0.002203	0.002196	0.002176
0.002158	0.001985			
0.741935483870968	0.002131	0.002131	0.002125	0.002106
0.002091	0.001919			
0.774193548387097	0.00209	0.002089	0.002081	0.00206
0.002044	0.001861			
0.806451612903226	0.001883	0.001882	0.001875	0.001858
0.001845	0.001683			
0.838709677419355	0.00173	0.001729	0.001722	0.001709
0.001698	0.001541			
0.870967741935484	0.001556	0.001556	0.001551	0.00154
0.001529	0.001372			
0.903225806451613	0.001329	0.001328	0.001323	0.001312
0.001304	0.001152			
0.935483870967742	0.0009293	0.0009287	0.0009243	0.0009136
0.0009008	0.0007568			
0.967741935483871	0.000452	0.0004518	0.000451	0.0004502
0.0004497	0.0003266			
0.1	0.0025069	0.0025058	0.0024968	0.0024728
	0.0022694			0.0024527

Average of yearly

averages: 0.00194368

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-resid-nonag-2ap

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.22	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift DRFT	0.007		fraction of	application rate applied to pond	
Application Date	Date		01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Record 17: FILTRA					
IPSCND	1				
UPTKF					
Record 18: PLVKRT					
PLDKRT					
FEXTRC	0.5				
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none	none, monthly or	
total(average of entire run)					

49. CAresidentialRLF: Non-agricultural Uses. April 1, 3 Application, Ground.

49.1. Water Column

stored as esfen-agdrift-resid-nonag-3ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt modified Tuesday, 20 February 2007 at 12:04:34

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.04937 0.001771	0.01369	0.008135	0.004097	0.003373
1962	0.05109 0.003638	0.01554	0.009907	0.005869	0.005138
1963	0.05301 0.005239	0.01736	0.01178	0.007716	0.006967
1964	0.05391 0.006161	0.01838	0.01276	0.008687	0.00792
1965	0.05462 0.006856	0.019	0.01347	0.009394	0.008627
1966	0.05526 0.00744	0.01964	0.01411	0.01002	0.009241

1967	0.05612 0.008227	0.0205	0.01503	0.01087	0.01008
1968	0.05641 0.008428	0.02071	0.01515	0.01105	0.01027
1969	0.05671 0.008716	0.02101	0.01545	0.01135	0.01056
1970	0.05722 0.008896	0.02126	0.01564	0.01153	0.01073
1971	0.05694 0.009038	0.02132	0.01578	0.01169	0.0109
1972	0.05698 0.009142	0.02149	0.01584	0.01175	0.01096
1973	0.05733 0.009443	0.02182	0.01619	0.01209	0.01129
1974	0.05798 0.009542	0.022	0.01641	0.01226	0.01146
1975	0.05747 0.009549	0.02185	0.01631	0.01221	0.01142
1976	0.05748 0.009506	0.02186	0.01632	0.01222	0.01142
1977	0.05754 0.009494	0.02185	0.0163	0.01218	0.01137
1978	0.05913 0.009514	0.02226	0.01635	0.01222	0.01142
1979	0.05755 0.009595	0.022	0.01641	0.01228	0.01148
1980	0.05751 0.009577	0.02201	0.01637	0.01225	0.01146
1981	0.05749 0.009562	0.02185	0.01632	0.01221	0.01141
1982	0.05826 0.01035	0.02263	0.01722	0.01303	0.01221
1983	0.05839 0.01025	0.02268	0.01713	0.01299	0.01218
1984	0.05789 0.009913	0.02236	0.01674	0.01264	0.01183
1985	0.05774 0.009761	0.02222	0.01661	0.01249	0.01168
1986	0.05766 0.009691	0.02211	0.01652	0.0124	0.01159
1987	0.05791 0.009505	0.02197	0.01637	0.01223	0.01142
1988	0.05775 0.009319	0.02175	0.01622	0.01206	0.01124
1989	0.05728 0.009205	0.02157	0.01602	0.01189	0.01108
1990	0.05721 0.009125	0.0215	0.01594	0.01184	0.01104

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.05913	0.02268	0.01722	0.01303	
	0.01221	0.01035			
0.0645161290322581	0.05839	0.02263	0.01713	0.01299	
	0.01218	0.01025			

0.0967741935483871	0.05826	0.02236	0.01674	0.01264
0.01183	0.009913			
0.129032258064516	0.05798	0.02226	0.01661	0.01249
0.01168	0.009761			
0.161290322580645	0.05791	0.02222	0.01652	0.0124
0.01159	0.009691			
0.193548387096774	0.05789	0.02211	0.01641	0.01228
0.01148	0.009595			
0.225806451612903	0.05775	0.02201	0.01641	0.01226
0.01146	0.009577			
0.258064516129032	0.05774	0.022	0.01637	0.01225
0.01146	0.009562			
0.290322580645161	0.05766	0.022	0.01637	0.01223
0.01142	0.009549			
0.32258064516129	0.05755	0.02197	0.01635	0.01222
0.01142	0.009542			
0.354838709677419	0.05754	0.02186	0.01632	0.01222
0.01142	0.009514			
0.387096774193548	0.05751	0.02185	0.01632	0.01221
0.01142	0.009506			
0.419354838709677	0.05749	0.02185	0.01631	0.01221
0.01141	0.009505			
0.451612903225806	0.05748	0.02185	0.0163	0.01218
0.01137	0.009494			
0.483870967741936	0.05747	0.02182	0.01622	0.01209
0.01129	0.009443			
0.516129032258065	0.05733	0.02175	0.01619	0.01206
0.01124	0.009319			
0.548387096774194	0.05728	0.02157	0.01602	0.01189
0.01108	0.009205			
0.580645161290323	0.05722	0.0215	0.01594	0.01184
0.01104	0.009142			
0.612903225806452	0.05721	0.02149	0.01584	0.01175
0.01096	0.009125			
0.645161290322581	0.05698	0.02132	0.01578	0.01169
0.0109	0.009038			
0.67741935483871	0.05694	0.02126	0.01564	0.01153
0.01073	0.008896			
0.709677419354839	0.05671	0.02101	0.01545	0.01135
0.01056	0.008716			
0.741935483870968	0.05641	0.02071	0.01515	0.01105
0.01027	0.008428			
0.774193548387097	0.05612	0.0205	0.01503	0.01087
0.01008	0.008227			
0.806451612903226	0.05526	0.01964	0.01411	0.01002
0.009241	0.00744			
0.838709677419355	0.05462	0.019	0.01347	0.009394
0.008627	0.006856			
0.870967741935484	0.05391	0.01838	0.01276	0.008687
0.00792	0.006161			
0.903225806451613	0.05301	0.01736	0.01178	0.007716
0.006967	0.005239			
0.935483870967742	0.05109	0.01554	0.009907	0.005869
0.005138	0.003638			
0.967741935483871	0.04937	0.01369	0.008135	0.004097
0.003373	0.001771			

0.1	0.058232	0.02235	0.016727	0.012625	0.011815
	0.0098978				
					Average of yearly
averages: 0.008548433333333333					

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-resid-nonag-3ap

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none	none, monthly or	
total(average of entire run)			

49.2. Pore Water

stored as esfen-agdrift-resid-nonag-3apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAresidentialRLF.txt

2007 at 12:04:34

modified Tuesday, 20 February

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30
 Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22
 Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0006769 0.0004834	0.0006765	0.0006756	0.0006745	0.0006738
1962	0.001399 0.001131	0.001399	0.001392	0.001376	0.001356
1963	0.001993 0.001728	0.001992	0.001985	0.001969	0.001957
1964	0.002335 0.002059	0.002334	0.002328	0.00231	0.002293
1965	0.002589 0.002311	0.002588	0.002579	0.002561	0.002545
1966	0.002822 0.002524	0.00282	0.002811	0.002786	0.002764
1967	0.003128 0.002791	0.003126	0.003114	0.003084	0.00306
1968	0.003194 0.002877	0.003193	0.003183	0.003155	0.003131
1969	0.003301 0.002978	0.0033	0.00329	0.003259	0.003232
1970	0.00336 0.003039	0.003359	0.003349	0.003317	0.003291
1971	0.003423 0.003099	0.003421	0.003412	0.003382	0.003356
1972	0.003441 0.00313	0.00344	0.003429	0.0034	0.003375
1973	0.003564 0.003232	0.003563	0.003551	0.003518	0.003488
1974	0.003622 0.00328	0.003621	0.003608	0.003576	0.003548
1975	0.003615 0.003281	0.003614	0.003602	0.003569	0.003541
1976	0.003616 0.003267	0.003615	0.003604	0.003571	0.00354
1977	0.003606 0.003262	0.003604	0.003592	0.003557	0.003527
1978	0.00361 0.003264	0.003608	0.003596	0.003561	0.003532
1979	0.003642 0.003288	0.003641	0.003626	0.003588	0.003559
1980	0.003629 0.003291	0.003628	0.003614	0.003581	0.003553
1981	0.003608 0.003277	0.003607	0.003596	0.003562	0.003532
1982	0.003895 0.003536	0.003893	0.003881	0.003846	0.003815
1983	0.003901 0.003526	0.003899	0.003882	0.003843	0.00381
1984	0.003761 0.003411	0.003759	0.003746	0.003709	0.003679
1985	0.003713 0.003358	0.003711	0.003697	0.003661	0.003628

1986	0.003681 0.00333	0.00368	0.003667	0.003631	0.0036
1987	0.003621 0.003266	0.00362	0.003606	0.003567	0.003535
1988	0.003549 0.003198	0.003547	0.003532	0.003497	0.003467
1989	0.0035 0.00316	0.003498	0.003482	0.003445	0.003415
1990	0.003479 0.003131	0.003477	0.003465	0.00343	0.0034

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.003815	0.003901	0.003899	0.003882	0.003846
0.0645161290322581	0.00381	0.003895	0.003893	0.003881	0.003843
0.0967741935483871	0.003679	0.003761	0.003759	0.003746	0.003709
0.129032258064516	0.003628	0.003713	0.003711	0.003697	0.003661
0.161290322580645	0.0036	0.003681	0.00368	0.003667	0.003631
0.193548387096774	0.003559	0.003642	0.003641	0.003626	0.003588
0.225806451612903	0.003553	0.003629	0.003628	0.003614	0.003581
0.258064516129032	0.003548	0.003622	0.003621	0.003608	0.003576
0.290322580645161	0.003541	0.003621	0.00362	0.003606	0.003571
0.32258064516129	0.00354	0.003616	0.003615	0.003604	0.003569
0.354838709677419	0.003535	0.003615	0.003614	0.003602	0.003567
0.387096774193548	0.003532	0.00361	0.003608	0.003596	0.003562
0.419354838709677	0.003532	0.003608	0.003607	0.003596	0.003561
0.451612903225806	0.003527	0.003606	0.003604	0.003592	0.003557
0.483870967741936	0.003488	0.003564	0.003563	0.003551	0.003518
0.516129032258065	0.003467	0.003549	0.003547	0.003532	0.003497
0.548387096774194	0.003415	0.0035	0.003498	0.003482	0.003445
0.580645161290323	0.0034	0.003479	0.003477	0.003465	0.00343
0.612903225806452	0.003375	0.003441	0.00344	0.003429	0.0034
0.645161290322581	0.003356	0.003423	0.003421	0.003412	0.003382
0.67741935483871	0.003291	0.00336	0.003359	0.003349	0.003317

0.709677419354839	0.003301	0.0033	0.00329	0.003259
0.003232	0.002978			
0.741935483870968	0.003194	0.003193	0.003183	0.003155
0.003131	0.002877			
0.774193548387097	0.003128	0.003126	0.003114	0.003084
0.00306	0.002791			
0.806451612903226	0.002822	0.00282	0.002811	0.002786
0.002764	0.002524			
0.838709677419355	0.002589	0.002588	0.002579	0.002561
0.002545	0.002311			
0.870967741935484	0.002335	0.002334	0.002328	0.00231
0.002293	0.002059			
0.903225806451613	0.001993	0.001992	0.001985	0.001969
0.001957	0.001728			
0.935483870967742	0.001399	0.001399	0.001392	0.001376
0.001356	0.001131			
0.967741935483871	0.0006769	0.0006765	0.0006756	0.0006745
0.0006738	0.0004834			
0.1	0.0037562	0.0037542	0.0037411	0.0037042
0.0034057				

Average of yearly

averages: 0.00291694666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-resid-nonag-3ap

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd		mg/L	
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	

Interval 2 interval 7 days Set to 0 or delete line for
 single app.
 app. rate 2 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

50. CATurfRLF: Lawns and Turf Grass. April 1, 3 Applications, Ground.

50.1. Water Column

stored as esfen-agdrift-turf-3ap.out

Chemical: esfenAgDRIFT

PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007 at 12:03:48

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.04926 0.001672	0.01366	0.008086	0.004032	0.003287
1962	0.05115 0.003839	0.0161	0.009938	0.005859	0.005099
1963	0.054 0.005985	0.01828	0.01271	0.008579	0.007789
1964	0.05463 0.006746	0.01902	0.01344	0.009326	0.008535
1965	0.05514 0.007242	0.01957	0.01405	0.009859	0.009052
1966	0.05574 0.007783	0.02011	0.01455	0.01041	0.009601
1967	0.05717 0.009103	0.02151	0.0162	0.01188	0.01105
1968	0.0571 0.009067	0.02148	0.01592	0.01177	0.01095
1969	0.0573 0.009272	0.02168	0.01614	0.01197	0.01114
1970	0.05735 0.009361	0.02174	0.01617	0.01202	0.01119
1971	0.05738 0.009323	0.02176	0.0162	0.01206	0.01124
1972	0.05713 0.00924	0.0215	0.01594	0.0118	0.01098
1973	0.05781 0.009824	0.02219	0.01663	0.01247	0.01163
1974	0.06008 0.009919	0.02241	0.01701	0.01275	0.0119
1975	0.05786 0.009787	0.02224	0.0167	0.01255	0.01172

1976	0.05761 0.009523	0.02199	0.01643	0.01228	0.01145
1977	0.05762 0.009578	0.022	0.01644	0.01228	0.01145
1978	0.06057 0.009783	0.0229	0.01676	0.01262	0.01177
1979	0.05801 0.009935	0.02238	0.01683	0.01266	0.01182
1980	0.05801 0.009922	0.02239	0.01683	0.01267	0.01184
1981	0.05777 0.009798	0.02215	0.01659	0.01243	0.0116
1982	0.06327 0.01179	0.02584	0.01909	0.01461	0.01371
1983	0.05985 0.01166	0.02423	0.01868	0.01452	0.01366
1984	0.05909 0.01096	0.02346	0.01791	0.01373	0.01288
1985	0.05871 0.01053	0.02308	0.01753	0.01335	0.01251
1986	0.0585 0.01034	0.02287	0.01732	0.01314	0.0123
1987	0.05801 0.009862	0.02239	0.01683	0.01265	0.01181
1988	0.05747 0.00952	0.02184	0.01667	0.0124	0.01154
1989	0.05729 0.009218	0.02167	0.01611	0.01194	0.01111
1990	0.05708 0.009006	0.02146	0.0159	0.01178	0.01095

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.01371	0.06327 0.01179	0.02584	0.01909	0.01461
0.0645161290322581	0.01366	0.06057 0.01166	0.02423	0.01868	0.01452
0.0967741935483871	0.01288	0.06008 0.01096	0.02346	0.01791	0.01373
0.129032258064516	0.01251	0.05985 0.01053	0.02308	0.01753	0.01335
0.161290322580645	0.0123	0.05909 0.01034	0.0229	0.01732	0.01314
0.193548387096774	0.0119	0.05871 0.009935	0.02287	0.01701	0.01275
0.225806451612903	0.01184	0.0585 0.009922	0.02241	0.01683	0.01267
0.258064516129032	0.01182	0.05801 0.009919	0.02239	0.01683	0.01266
0.290322580645161	0.01181	0.05801 0.009862	0.02239	0.01683	0.01265
0.32258064516129	0.01177	0.05801 0.009824	0.02238	0.01676	0.01262
0.354838709677419	0.01172	0.05786 0.009798	0.02224	0.0167	0.01255

0.387096774193548	0.05781	0.02219	0.01667	0.01247
0.01163	0.009787			
0.419354838709677	0.05777	0.02215	0.01663	0.01243
0.0116	0.009783			
0.451612903225806	0.05762	0.022	0.01659	0.0124
0.01154	0.009578			
0.483870967741936	0.05761	0.02199	0.01644	0.01228
0.01145	0.009523			
0.516129032258065	0.05747	0.02184	0.01643	0.01228
0.01145	0.00952			
0.548387096774194	0.05738	0.02176	0.0162	0.01206
0.01124	0.009361			
0.580645161290323	0.05735	0.02174	0.0162	0.01202
0.01119	0.009323			
0.612903225806452	0.0573	0.02168	0.01617	0.01197
0.01114	0.009272			
0.645161290322581	0.05729	0.02167	0.01614	0.01194
0.01111	0.00924			
0.67741935483871	0.05717	0.02151	0.01611	0.01188
0.01105	0.009218			
0.709677419354839	0.05713	0.0215	0.01594	0.0118
0.01098	0.009103			
0.741935483870968	0.0571	0.02148	0.01592	0.01178
0.01095	0.009067			
0.774193548387097	0.05708	0.02146	0.0159	0.01177
0.01095	0.009006			
0.806451612903226	0.05574	0.02011	0.01455	0.01041
0.009601	0.007783			
0.838709677419355	0.05514	0.01957	0.01405	0.009859
0.009052	0.007242			
0.870967741935484	0.05463	0.01902	0.01344	0.009326
0.008535	0.006746			
0.903225806451613	0.054	0.01828	0.01271	0.008579
0.007789	0.005985			
0.935483870967742	0.05115	0.0161	0.009938	0.005859
0.005099	0.003839			
0.967741935483871	0.04926	0.01366	0.008086	0.004032
0.003287	0.001672			
0.1	0.060057	0.023422	0.017872	0.013692
0.010917				0.012843

Average of yearly

averages: 0.0089862666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-turf-3ap

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	

Kd	Kd		mg/L		
Koc	Koc	251717	mg/L		
Photolysis half-life	kdp		9	days	Half-life
Aerobic Aquatic Metabolism			kbacw	276	days
Halfife					
Anaerobic Aquatic Metabolism			kbacs	462	days
Halfife					
Aerobic Soil Metabolism	asm		138	days	Halfife
Hydrolysis: pH 7	0		days		Half-life
Method: CAM	1		integer		See PRZM manual
Incorporation Depth:	DEPI		4	cm	
Application Rate:	TAPP		0.22	kg/ha	
Application Efficiency:	APPEFF		0.99	fraction	
Spray Drift DRFT	0.007		fraction of	application rate applied to pond	
Application Date	Date		01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1 interval	7		days	Set to 0 or delete line for single app.	
app. rate 1 apprate			kg/ha		
Interval 2 interval	7		days	Set to 0 or delete line for single app.	
app. rate 2 apprate			kg/ha		
Record 17: FILTRA					
IPSCND	1				
UPTKF					
Record 18: PLVKRT					
PLDKRT					
FEXTRC	0.5				
Flag for Index Res. Run	IR		EPA Pond		
Flag for runoff calc.	RUNOFF		none	none, monthly or	
total(average of entire run)					

50.2. Pore Water

stored as esfen-agdrift-turf-3apben.out

Chemical: esfenAgDRIFT

PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007 at 12:03:48

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0006701 0.0004531	0.0006698	0.0006668	0.0006591	0.0006523
1962	0.001639 0.001174	0.001638	0.001629	0.001609	0.001562
1963	0.002318 0.001994	0.002317	0.002307	0.00228	0.002257
1964	0.002593 0.00227	0.002592	0.002581	0.002551	0.002525
1965	0.002772 0.002448	0.002771	0.002759	0.002728	0.002702

1966	0.002988 0.002651	0.002987	0.002973	0.002936	0.002905
1967	0.003489 0.003083	0.003488	0.003474	0.003433	0.0034
1968	0.003479 0.00311	0.003478	0.003463	0.003421	0.003387
1969	0.003551 0.003176	0.00355	0.003535	0.00349	0.003453
1970	0.00357 0.003204	0.003568	0.003553	0.003507	0.003471
1971	0.003581 0.003211	0.00358	0.003565	0.003524	0.00349
1972	0.003488 0.003162	0.003486	0.003471	0.00343	0.003396
1973	0.003734 0.003358	0.003733	0.003715	0.003668	0.003628
1974	0.003814 0.003421	0.003813	0.003796	0.003751	0.003713
1975	0.003754 0.003371	0.003753	0.003738	0.003694	0.003658
1976	0.003664 0.003275	0.003662	0.003647	0.003601	0.003562
1977	0.003665 0.003292	0.003664	0.003647	0.003604	0.003567
1978	0.003753 0.003357	0.003752	0.003742	0.0037	0.003662
1979	0.003804 0.0034	0.003803	0.003785	0.003735	0.003695
1980	0.003806 0.003419	0.003805	0.003787	0.003742	0.003704
1981	0.00372 0.003352	0.003719	0.003701	0.003655	0.003615
1982	0.00445 0.004003	0.004448	0.004429	0.004375	0.004332
1983	0.004467 0.004028	0.004465	0.004448	0.004396	0.004352
1984	0.004193 0.00379	0.004191	0.004172	0.004116	0.004074
1985	0.004056 0.003643	0.004054	0.004035	0.003983	0.00394
1986	0.003981 0.003564	0.003979	0.003961	0.00391	0.003869
1987	0.003804 0.003401	0.003802	0.003784	0.003731	0.00369
1988	0.003676 0.003273	0.003674	0.003657	0.00361	0.003571
1989	0.003546 0.003172	0.003544	0.003525	0.003477	0.003439
1990	0.003471 0.003096	0.003469	0.003452	0.003413	0.003379

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.004467	0.004465	0.004448	0.004396	
	0.004352	0.004028			

0.0645161290322581	0.00445	0.004448	0.004429	0.004375
0.004332	0.004003			
0.0967741935483871	0.004193	0.004191	0.004172	0.004116
0.004074	0.00379			
0.129032258064516	0.004056	0.004054	0.004035	0.003983
0.00394	0.003643			
0.161290322580645	0.003981	0.003979	0.003961	0.00391
0.003869	0.003564			
0.193548387096774	0.003814	0.003813	0.003796	0.003751
0.003713	0.003421			
0.225806451612903	0.003806	0.003805	0.003787	0.003742
0.003704	0.003419			
0.258064516129032	0.003804	0.003803	0.003785	0.003735
0.003695	0.003401			
0.290322580645161	0.003804	0.003802	0.003784	0.003731
0.00369	0.0034			
0.32258064516129	0.003754	0.003753	0.003742	0.0037
0.003662	0.003371			
0.354838709677419	0.003753	0.003752	0.003738	0.003694
0.003658	0.003358			
0.387096774193548	0.003734	0.003733	0.003715	0.003668
0.003628	0.003357			
0.419354838709677	0.00372	0.003719	0.003701	0.003655
0.003615	0.003352			
0.451612903225806	0.003676	0.003674	0.003657	0.00361
0.003571	0.003292			
0.483870967741936	0.003665	0.003664	0.003647	0.003604
0.003567	0.003275			
0.516129032258065	0.003664	0.003662	0.003647	0.003601
0.003562	0.003273			
0.548387096774194	0.003581	0.00358	0.003565	0.003524
0.00349	0.003211			
0.580645161290323	0.00357	0.003568	0.003553	0.003507
0.003471	0.003204			
0.612903225806452	0.003551	0.00355	0.003535	0.00349
0.003453	0.003176			
0.645161290322581	0.003546	0.003544	0.003525	0.003477
0.003439	0.003172			
0.67741935483871	0.003489	0.003488	0.003474	0.003433
0.0034	0.003162			
0.709677419354839	0.003488	0.003486	0.003471	0.00343
0.003396	0.00311			
0.741935483870968	0.003479	0.003478	0.003463	0.003421
0.003387	0.003096			
0.774193548387097	0.003471	0.003469	0.003452	0.003413
0.003379	0.003083			
0.806451612903226	0.002988	0.002987	0.002973	0.002936
0.002905	0.002651			
0.838709677419355	0.002772	0.002771	0.002759	0.002728
0.002702	0.002448			
0.870967741935484	0.002593	0.002592	0.002581	0.002551
0.002525	0.00227			
0.903225806451613	0.002318	0.002317	0.002307	0.00228
0.002257	0.001994			
0.935483870967742	0.001639	0.001638	0.001629	0.001609
0.001562	0.001174			

0.967741935483871	0.0006701	0.0006698	0.0006668	0.0006591
0.0006523	0.0004531			
0.1	0.0041793	0.0041773	0.0041583	0.0041027
	0.0037753			0.0040606

Average of yearly

averages: 0.0030717033333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-turf-3ap

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7 0	days		Half-life
Method: CAM 1	integer		See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1 interval 7	days		Set to 0 or delete line for single app.
app. rate 1 apprate	kg/ha		
Interval 2 interval 7	days		Set to 0 or delete line for single app.
app. rate 2 apprate	kg/ha		
Record 17: FILTRA			
IPSCND 1			
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC 0.5			
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none	none, monthly or	
total(average of entire run)			

51. CArightofwayRLF: Non-agricultural Uses. April 1, 1 Application, Ground.

51.1. Water Column

stored as esfen-agdrift-row-nonag-3ap.out

Chemical: esfenAgDRIFT

PRZM environment: CARightofwayRLF.txt

modified Tuesday, 20 February

2007 at 12:04:22

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf

modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.04926 0.001864	0.01365	0.008229	0.004141	0.003375
1962	0.07565 0.005693	0.038	0.01325	0.00908	0.008395
1963	0.05963 0.009397	0.02295	0.01694	0.01232	0.01142
1964	0.05799 0.01016	0.02237	0.01681	0.01265	0.01186
1965	0.06579 0.01144	0.03014	0.01963	0.01453	0.01353
1966	0.0602 0.01226	0.02457	0.01902	0.01482	0.01397
1967	0.0709 0.01495	0.03169	0.02367	0.01844	0.01747
1968	0.06292 0.01456	0.02714	0.02166	0.0174	0.01651
1969	0.06354 0.0154	0.02791	0.02271	0.01826	0.01733
1970	0.06354 0.01552	0.02791	0.02237	0.01813	0.01724
1971	0.06333 0.01496	0.02772	0.02216	0.01794	0.01706
1972	0.06207 0.01429	0.0264	0.02095	0.01666	0.01578
1973	0.06402 0.01608	0.02838	0.02285	0.0186	0.01769
1974	0.08201 0.01611	0.03245	0.02432	0.01948	0.01848
1975	0.06379 0.01542	0.02816	0.02289	0.01848	0.01756
1976	0.06257 0.01425	0.02694	0.02143	0.01719	0.0163
1977	0.06213 0.01398	0.0265	0.02096	0.01674	0.01587
1978	0.07993 0.01553	0.03196	0.02327	0.01913	0.01804
1979	0.06375 0.0156	0.02811	0.02258	0.01834	0.01745
1980	0.0642 0.01586	0.02857	0.02309	0.01881	0.01791
1981	0.06341 0.01542	0.02778	0.02224	0.018	0.0171
1982	0.1016 0.01839	0.03768	0.02744	0.02177	0.02061
1983	0.06733 0.01934	0.03175	0.02639	0.02258	0.02157

1984	0.06613 0.01782	0.03066	0.02502	0.02071	0.01977
1985	0.06515 0.01668	0.02951	0.02399	0.01972	0.0188
1986	0.06495 0.01649	0.02932	0.02379	0.01953	0.01886
1987	0.06347 0.01512	0.02783	0.0223	0.01804	0.01713
1988	0.06228 0.01456	0.02665	0.02246	0.01791	0.01693
1989	0.06196 0.01373	0.02632	0.02079	0.01658	0.01569
1990	0.06127 0.01315	0.02564	0.0201	0.01616	0.01529

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.02157	0.1016 0.01934	0.038	0.02744	0.02258
0.0645161290322581	0.02061	0.08201 0.01839	0.03768	0.02639	0.02177
0.0967741935483871	0.01977	0.07993 0.01782	0.03245	0.02502	0.02071
0.129032258064516	0.01886	0.07565 0.01668	0.03196	0.02432	0.01972
0.161290322580645	0.0188	0.0709 0.01649	0.03175	0.02399	0.01953
0.193548387096774	0.01848	0.06733 0.01611	0.03169	0.02379	0.01948
0.225806451612903	0.01804	0.06613 0.01608	0.03066	0.02367	0.01913
0.258064516129032	0.01791	0.06579 0.01586	0.03014	0.02327	0.01881
0.290322580645161	0.01769	0.06515 0.0156	0.02951	0.02309	0.0186
0.32258064516129	0.01756	0.06495 0.01553	0.02932	0.02289	0.01848
0.354838709677419	0.01747	0.0642 0.01552	0.02857	0.02285	0.01844
0.387096774193548	0.01745	0.06402 0.01542	0.02838	0.02271	0.01834
0.419354838709677	0.01733	0.06379 0.01542	0.02816	0.02258	0.01826
0.451612903225806	0.01724	0.06375 0.0154	0.02811	0.02246	0.01813
0.483870967741936	0.01713	0.06354 0.01512	0.02791	0.02237	0.01804
0.516129032258065	0.0171	0.06354 0.01496	0.02791	0.0223	0.018
0.548387096774194	0.01706	0.06347 0.01495	0.02783	0.02224	0.01794
0.580645161290323	0.01693	0.06341 0.01456	0.02778	0.02216	0.01791
0.612903225806452	0.01651	0.06333 0.01456	0.02772	0.02166	0.0174

0.645161290322581	0.06292	0.02714	0.02143	0.01719
0.0163	0.01429			
0.67741935483871	0.06257	0.02694	0.02096	0.01674
0.01587	0.01425			
0.709677419354839	0.06228	0.02665	0.02095	0.01666
0.01578	0.01398			
0.741935483870968	0.06213	0.0265	0.02079	0.01658
0.01569	0.01373			
0.774193548387097	0.06207	0.0264	0.0201	0.01616
0.01529	0.01315			
0.806451612903226	0.06196	0.02632	0.01963	0.01482
0.01397	0.01226			
0.838709677419355	0.06127	0.02564	0.01902	0.01453
0.01353	0.01144			
0.870967741935484	0.0602	0.02457	0.01694	0.01265
0.01186	0.01016			
0.903225806451613	0.05963	0.02295	0.01681	0.01232
0.01142	0.009397			
0.935483870967742	0.05799	0.02237	0.01325	0.00908
0.008395	0.005693			
0.967741935483871	0.04926	0.01365	0.008229	0.004141
0.003375	0.001864			
0.1	0.079502	0.032401	0.02495	0.020611
	0.017706			0.019679

Average of yearly

averages: 0.0141341333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-row-nonag-3ap

Metfile: w23234.dvf

PRZM scenario: CArightofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	

Application Date	Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm
Interval 1 interval	7	days	Set to 0 or delete line for single app.
app. rate 1 apprate		kg/ha	
Interval 2 interval	7	days	Set to 0 or delete line for single app.
app. rate 2 apprate		kg/ha	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR		EPA Pond	
Flag for runoff calc. RUNOFF		none	none, monthly or
total(average of entire run)			

51.2. Pore Water

stored as esfen-agdrift-row-nonag-3apben.out

Chemical: esfenAgDRIFT

PRZM environment: CArighofwayRLF.txt
2007 at 12:04:22

modified Tuesday, 20 February

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0008402 0.0004834	0.0008399	0.000837	0.0007262	0.0006838
1962	0.002561 0.001695	0.00256	0.002523	0.002482	0.002393
1963	0.003576 0.00314	0.003575	0.003561	0.003522	0.003487
1964	0.003799 0.003435	0.003797	0.003781	0.003738	0.003705
1965	0.004293 0.003855	0.004292	0.004276	0.004229	0.004189
1966	0.00459 0.004193	0.004588	0.004566	0.00451	0.004466
1967	0.005637 0.005053	0.005634	0.005615	0.005563	0.005522
1968	0.005515 0.005022	0.005513	0.005489	0.005422	0.005372
1969	0.005795 0.005267	0.005792	0.005768	0.005694	0.00564
1970	0.005793 0.005314	0.00579	0.005765	0.00569	0.005636
1971	0.005719 0.005224	0.005717	0.005693	0.005626	0.005576
1972	0.005245 0.004897	0.005243	0.005219	0.005155	0.005106
1973	0.005963 0.005472	0.00596	0.005933	0.005858	0.0058

1974	0.006163 0.005605	0.00616	0.006134	0.006061	0.006007
1975	0.005883 0.005352	0.005881	0.005858	0.005785	0.005733
1976	0.005443 0.004947	0.005441	0.005418	0.00535	0.005298
1977	0.005286 0.00483	0.005284	0.00526	0.005197	0.00515
1978	0.005911 0.005293	0.005909	0.005877	0.005806	0.005753
1979	0.005866 0.005336	0.005863	0.005838	0.005762	0.005706
1980	0.00603 0.005486	0.006027	0.006	0.005928	0.005875
1981	0.005747 0.005276	0.005744	0.005718	0.005644	0.005587
1982	0.006829 0.006208	0.006825	0.006796	0.006714	0.006651
1983	0.007259 0.006632	0.007255	0.007221	0.00716	0.007097
1984	0.006728 0.006212	0.006724	0.006694	0.006606	0.006542
1985	0.00637 0.005821	0.006366	0.006336	0.006257	0.006194
1986	0.0063 0.005702	0.006297	0.006268	0.006191	0.006131
1987	0.005766 0.005246	0.005762	0.005734	0.005655	0.005598
1988	0.005554 0.005016	0.005551	0.005524	0.005455	0.005401
1989	0.005221 0.004767	0.005218	0.005195	0.005126	0.005074
1990	0.004978 0.004553	0.004975	0.004951	0.004916	0.004884

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.007259	0.007255	0.007221	0.00716	
0.007097	0.006632				
0.0645161290322581	0.006829	0.006825	0.006796	0.006714	
0.006651	0.006212				
0.0967741935483871	0.006728	0.006724	0.006694	0.006606	
0.006542	0.006208				
0.129032258064516	0.00637	0.006366	0.006336	0.006257	
0.006194	0.005821				
0.161290322580645	0.0063	0.006297	0.006268	0.006191	
0.006131	0.005702				
0.193548387096774	0.006163	0.00616	0.006134	0.006061	
0.006007	0.005605				
0.225806451612903	0.00603	0.006027	0.006	0.005928	
0.005875	0.005486				
0.258064516129032	0.005963	0.00596	0.005933	0.005858	
0.0058	0.005472				
0.290322580645161	0.005911	0.005909	0.005877	0.005806	
0.005753	0.005352				

0.32258064516129	0.005883	0.005881	0.005858	0.005785
0.005733	0.005336			
0.354838709677419	0.005866	0.005863	0.005838	0.005762
0.005706	0.005314			
0.387096774193548	0.005795	0.005792	0.005768	0.005694
0.00564	0.005293			
0.419354838709677	0.005793	0.00579	0.005765	0.00569
0.005636	0.005276			
0.451612903225806	0.005766	0.005762	0.005734	0.005655
0.005598	0.005267			
0.483870967741936	0.005747	0.005744	0.005718	0.005644
0.005587	0.005246			
0.516129032258065	0.005719	0.005717	0.005693	0.005626
0.005576	0.005224			
0.548387096774194	0.005637	0.005634	0.005615	0.005563
0.005522	0.005053			
0.580645161290323	0.005554	0.005551	0.005524	0.005455
0.005401	0.005022			
0.612903225806452	0.005515	0.005513	0.005489	0.005422
0.005372	0.005016			
0.645161290322581	0.005443	0.005441	0.005418	0.00535
0.005298	0.004947			
0.67741935483871	0.005286	0.005284	0.00526	0.005197
0.00515	0.004897			
0.709677419354839	0.005245	0.005243	0.005219	0.005155
0.005106	0.00483			
0.741935483870968	0.005221	0.005218	0.005195	0.005126
0.005074	0.004767			
0.774193548387097	0.004978	0.004975	0.004951	0.004916
0.004884	0.004553			
0.806451612903226	0.00459	0.004588	0.004566	0.00451
0.004466	0.004193			
0.838709677419355	0.004293	0.004292	0.004276	0.004229
0.004189	0.003855			
0.870967741935484	0.003799	0.003797	0.003781	0.003738
0.003705	0.003435			
0.903225806451613	0.003576	0.003575	0.003561	0.003522
0.003487	0.00314			
0.935483870967742	0.002561	0.00256	0.002523	0.002482
0.002393	0.001695			
0.967741935483871	0.0008402	0.0008399	0.000837	0.0007262
0.0006838	0.0004834			
0.1	0.0066922	0.0066882	0.0066582	0.0065711
0.0061693				0.0065072

Average of yearly

averages: 0.0048444133333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-row-nonag-3ap

Metfile: w23234.dvf

PRZM scenario: CArighofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
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Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw	276	days	days
Halfife				
Anaerobic Aquatic Metabolism	kbacs	462	days	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.22	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.007	fraction of application rate applied to pond	
Application Date	Date	01-04	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

52. CArightofwayRLF: Non-agricultural Uses. April 1, 3 Applications, Ground.

52.1. Water Column

stored as esfen-agdrift-row-nonag-1ap.out

Chemical: esfenAgDRIFT

PRZM environment: CArightofwayRLF.txt
2007 at 12:04:22

modified Tuesday, 20 February

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w23234.dvf
modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.04801 0.0006284	0.01241	0.002946	0.001449	0.001169
1962	0.04906 0.001874	0.01346	0.004291	0.002949	0.002729
1963	0.05057 0.00313	0.01496	0.00599	0.004224	0.00388

1964	0.05094	0.01533	0.00579	0.004268	0.003982
	0.003375				
1965	0.05138	0.01562	0.006937	0.005004	0.004628
	0.003848				
1966	0.05169	0.0161	0.006553	0.005018	0.004709
	0.004099				
1967	0.05252	0.01679	0.008874	0.006625	0.006208
	0.00516				
1968	0.05369	0.01735	0.007606	0.006032	0.005707
	0.005007				
1969	0.05285	0.01728	0.00808	0.006362	0.006008
	0.005279				
1970	0.0529	0.0173	0.007753	0.006204	0.005881
	0.005267				
1971	0.05279	0.01719	0.007646	0.006103	0.005785
	0.005046				
1972	0.05232	0.01672	0.007241	0.00567	0.005349
	0.004805				
1973	0.05296	0.01736	0.007809	0.006257	0.005932
	0.005353				
1974	0.06761	0.02124	0.008827	0.006822	0.006417
	0.005478				
1975	0.05293	0.01812	0.00808	0.0064	0.006054
	0.005264				
1976	0.05257	0.01697	0.007461	0.005902	0.005579
	0.004853				
1977	0.0524	0.0168	0.007252	0.005711	0.005397
	0.004726				
1978	0.05333	0.01779	0.008187	0.006563	0.006157
	0.005244				
1979	0.05291	0.01731	0.00776	0.006212	0.00589
	0.005232				
1980	0.05302	0.01758	0.007929	0.00635	0.006023
	0.005297				
1981	0.05275	0.01715	0.007604	0.006056	0.005731
	0.005131				
1982	0.05663	0.01986	0.009713	0.007498	0.007051
	0.006184				
1983	0.05409	0.01849	0.009003	0.007594	0.007232
	0.006453				
1984	0.05366	0.01806	0.008524	0.006953	0.006618
	0.005927				
1985	0.05332	0.01772	0.008167	0.006608	0.006278
	0.005537				
1986	0.05323	0.01763	0.008082	0.006541	0.006272
	0.005456				
1987	0.05274	0.01714	0.007589	0.006034	0.005708
	0.005003				
1988	0.05234	0.01674	0.007625	0.005979	0.00563
	0.004807				
1989	0.05223	0.01663	0.00708	0.005541	0.00522
	0.004534				
1990	0.052	0.0164	0.006852	0.005401	0.005087
	0.00434				

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.007232	0.06761	0.02124	0.009713	0.007594
0.0645161290322581	0.007051	0.05663	0.01986	0.009003	0.007498
0.0967741935483871	0.006618	0.05409	0.01849	0.008874	0.006953
0.129032258064516	0.006417	0.05369	0.01812	0.008827	0.006822
0.161290322580645	0.006278	0.05366	0.01806	0.008524	0.006625
0.193548387096774	0.006272	0.05333	0.01779	0.008187	0.006608
0.225806451612903	0.006208	0.05332	0.01772	0.008167	0.006563
0.258064516129032	0.006157	0.05323	0.01763	0.008082	0.006541
0.290322580645161	0.006054	0.05302	0.01758	0.00808	0.0064
0.32258064516129	0.006023	0.05296	0.01736	0.00808	0.006362
0.354838709677419	0.006008	0.05293	0.01735	0.007929	0.00635
0.387096774193548	0.005932	0.05291	0.01731	0.007809	0.006257
0.419354838709677	0.00589	0.0529	0.0173	0.00776	0.006212
0.451612903225806	0.005881	0.05285	0.01728	0.007753	0.006204
0.483870967741936	0.005785	0.05279	0.01719	0.007646	0.006103
0.516129032258065	0.005731	0.05275	0.01715	0.007625	0.006056
0.548387096774194	0.005708	0.05274	0.01714	0.007606	0.006034
0.580645161290323	0.005707	0.05257	0.01697	0.007604	0.006032
0.612903225806452	0.00563	0.05252	0.0168	0.007589	0.005979
0.645161290322581	0.005579	0.0524	0.01679	0.007461	0.005902
0.67741935483871	0.005397	0.05234	0.01674	0.007252	0.005711
0.709677419354839	0.005349	0.05232	0.01672	0.007241	0.00567
0.741935483870968	0.00522	0.05223	0.01663	0.00708	0.005541
0.774193548387097	0.005087	0.052	0.0164	0.006937	0.005401
0.806451612903226	0.004709	0.05169	0.0161	0.006852	0.005018
0.838709677419355	0.004628	0.05138	0.01562	0.006553	0.005004
0.870967741935484	0.003982	0.05094	0.01533	0.00599	0.004268
		0.003375			

0.903225806451613	0.05057	0.01496	0.00579	0.004224
0.00388	0.00313			
0.935483870967742	0.04906	0.01346	0.004291	0.002949
0.002729	0.001874			
0.967741935483871	0.04801	0.01241	0.002946	0.001449
0.001169	0.0006284			
0.1	0.05405	0.018453	0.0088693	0.0069399
0.005888				

Average of yearly

averages: 0.00474458

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-row-nonag-1ap

Metfile: w23234.dvf

PRZM scenario: CArighofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of application rate applied to pond	
Application Date Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none	none, monthly or	
total(average of entire run)			

52.2. Pore Water

stored as esfen-agdrift-row-nonag-1apben.out

Chemical: esfenAgDRIFT

PRZM environment: CArighofwayRLF.txt
2007 at 12:04:22

modified Tuesday, 20 February

EXAMS environment: pond298.exv
15:33:30

modified Thuday, 29 August 2002 at

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	0.0002758 0.0001642	0.0002758	0.0002748	0.0002392	0.0002256
1962	0.0008338 0.0005591	0.0008335	0.0008217	0.0008086	0.00078
1963	0.00119 0.001043	0.001189	0.001185	0.001174	0.001164
1964	0.001269 0.001142	0.001268	0.001263	0.001248	0.001238
1965	0.001444 0.001294	0.001443	0.001441	0.001427	0.001414
1966	0.001546 0.001403	0.001545	0.001537	0.001518	0.001503
1967	0.001955 0.001737	0.001954	0.001948	0.001933	0.001921
1968	0.001909 0.00173	0.001908	0.001899	0.001877	0.001859
1969	0.001999 0.001806	0.001998	0.00199	0.001967	0.001947
1970	0.001979 0.001806	0.001978	0.001969	0.001945	0.001925
1971	0.001939 0.001763	0.001938	0.00193	0.001909	0.00189
1972	0.00177 0.001648	0.001769	0.001765	0.001746	0.001729
1973	0.002 0.001823	0.001999	0.001989	0.001964	0.001943
1974	0.002113 0.001899	0.002112	0.002103	0.002079	0.002059
1975	0.002019 0.001827	0.002018	0.002011	0.001988	0.001969
1976	0.001861 0.001686	0.00186	0.001854	0.001833	0.001814
1977	0.001798 0.001634	0.001797	0.001789	0.001768	0.001751
1978	0.001994 0.001787	0.001993	0.001982	0.001959	0.001945
1979	0.001981 0.001792	0.00198	0.001971	0.001947	0.001926
1980	0.002026 0.001832	0.002025	0.002016	0.001992	0.001972
1981	0.001925 0.001757	0.001924	0.001916	0.001892	0.001871
1982	0.002308 0.002084	0.002307	0.002297	0.002269	0.002249
1983	0.002418 0.002215	0.002417	0.002406	0.002396	0.002378
1984	0.002252 0.002067	0.002251	0.002242	0.002213	0.002189

1985	0.002129 0.001932	0.002128	0.002118	0.002091	0.002068
1986	0.002098 0.001888	0.002097	0.002087	0.002062	0.00204
1987	0.001921 0.001735	0.001919	0.00191	0.001884	0.001863
1988	0.00183 0.001657	0.001829	0.00182	0.001797	0.001785
1989	0.001737 0.001574	0.001736	0.001727	0.001704	0.001685
1990	0.001654 0.001503	0.001653	0.001645	0.001626	0.001619

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day
0.032258064516129	0.002378	0.002418	0.002417	0.002406	0.002396
0.0645161290322581	0.002249	0.002308	0.002307	0.002297	0.002269
0.0967741935483871	0.002189	0.002252	0.002251	0.002242	0.002213
0.129032258064516	0.002068	0.002129	0.002128	0.002118	0.002091
0.161290322580645	0.002059	0.002113	0.002112	0.002103	0.002079
0.193548387096774	0.00204	0.002098	0.002097	0.002087	0.002062
0.225806451612903	0.001972	0.002026	0.002025	0.002016	0.001992
0.258064516129032	0.001969	0.002019	0.002018	0.002011	0.001988
0.290322580645161	0.001947	0.002	0.001999	0.00199	0.001967
0.32258064516129	0.001945	0.001999	0.001998	0.001989	0.001964
0.354838709677419	0.001943	0.001994	0.001993	0.001982	0.001959
0.387096774193548	0.001926	0.001981	0.00198	0.001971	0.001947
0.419354838709677	0.001925	0.001979	0.001978	0.001969	0.001945
0.451612903225806	0.001921	0.001955	0.001954	0.001948	0.001933
0.483870967741936	0.00189	0.001939	0.001938	0.00193	0.001909
0.516129032258065	0.001871	0.001925	0.001924	0.001916	0.001892
0.548387096774194	0.001863	0.001921	0.001919	0.00191	0.001884
0.580645161290323	0.001859	0.001909	0.001908	0.001899	0.001877
0.612903225806452	0.001814	0.001861	0.00186	0.001854	0.001833
0.645161290322581	0.001785	0.00183	0.001829	0.00182	0.001797

0.67741935483871	0.001798	0.001797	0.001789	0.001768
0.001751	0.001648			
0.709677419354839	0.00177	0.001769	0.001765	0.001746
0.001729	0.001634			
0.741935483870968	0.001737	0.001736	0.001727	0.001704
0.001685	0.001574			
0.774193548387097	0.001654	0.001653	0.001645	0.001626
0.001619	0.001503			
0.806451612903226	0.001546	0.001545	0.001537	0.001518
0.001503	0.001403			
0.838709677419355	0.001444	0.001443	0.001441	0.001427
0.001414	0.001294			
0.870967741935484	0.001269	0.001268	0.001263	0.001248
0.001238	0.001142			
0.903225806451613	0.00119	0.001189	0.001185	0.001174
0.001164	0.001043			
0.935483870967742	0.0008338	0.0008335	0.0008217	0.0008086
0.00078	0.0005591			
0.967741935483871	0.0002758	0.0002758	0.0002748	0.0002392
0.0002256	0.0001642			
0.1	0.0022397	0.0022387	0.0022296	0.0022008
0.0020535				0.0021769

Average of yearly

averages: 0.0016262433333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-row-nonag-1ap

Metfile: w23234.dvf

PRZM scenario: CArighofwayRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw	276	days
Halfife			
Anaerobic Aquatic Metabolism	kbacs	462	days
Halfife			
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm

Record 17: FILTRA

IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

53. CAImperviousRLF: Non-agricultural Uses. April 1, 1 Application, Ground.

53.1. Water Column

stored as esfen-agdrift-imperv-1ap.out

Chemical: esfenAgDRIFT

PRZM environment: CAImperviousRLF.txt

modified Tuesday, 20 February

2007 at 12:05:44

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day
1961	3.948 0.05122	1.049	0.257	0.1284	0.1047
1962	1.838 0.06784	0.5107	0.1659	0.1045	0.09289
1963	9.035 0.1628	2.422	0.6205	0.3317	0.2785
1964	0.293 0.1367	0.194	0.1522	0.1465	0.1456
1965	2.167 0.1461	0.9404	0.3108	0.2088	0.1893
1966	2.42 0.1459	0.7567	0.2724	0.1955	0.1801
1967	1.917 0.1514	0.8743	0.3052	0.2107	0.1925
1968	6.475 0.1985	1.769	0.509	0.3226	0.2839
1969	3.625 0.2151	1.315	0.4577	0.308	0.2791
1970	0.7654 0.1795	0.3307	0.2155	0.1999	0.1944
1971	0.8934 0.1549	0.3544	0.2148	0.1803	0.1729
1972	1.635 0.1553	0.5215	0.2983	0.2109	0.1939
1973	0.6307 0.1305	0.2603	0.1605	0.144	0.1404
1974	13.51 0.2635	3.576	0.9406	0.5132	0.434
1975	4.632 0.2698	1.448	0.5182	0.3658	0.3361
1976	2.07 0.2404	0.7346	0.3577	0.2894	0.275
1977	0.7337 0.1954	0.3362	0.2291	0.211	0.209

1978	3.403 0.2046	1.242	0.4339	0.292	0.2647	
1979	0.8044 0.1707	0.3661	0.2191	0.1914	0.1857	
1980	6.35 0.2083	1.821	0.5343	0.3308	0.2924	
1981	0.4768 0.1698	0.2537	0.1949	0.1848	0.1842	
1982	5.1 0.2159	1.944	0.5715	0.3488	0.307	
1983	2.188 0.2046	0.873	0.3601	0.266	0.2472	
1984	1.279	0.4646	0.2479	0.2059	0.1968	0.175
1985	0.6274 0.1445	0.2699	0.1734	0.1606	0.1565	
1986	0.6624	0.2708	0.1598	0.1384	0.1334	0.121
1987	0.1587 0.09567	0.1177	0.1058	0.1047	0.1043	
1988	6.283 0.1462	1.734	0.4703	0.2679	0.2301	
1989	1.194 0.1396	0.5568	0.2334	0.1763	0.1647	
1990	0.6129 0.1175	0.2493	0.1478	0.1331	0.1288	

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129 0.2698		13.51	3.576	0.9406	0.5132	0.434
0.0645161290322581 0.3361		9.035 0.2635	2.422	0.6205	0.3658	
0.0967741935483871 0.2404		6.475	1.944	0.5715	0.3488	0.307
0.129032258064516 0.2924		6.35 0.2159	1.821	0.5343	0.3317	
0.161290322580645 0.2839		6.283 0.2151	1.769	0.5182	0.3308	
0.193548387096774 0.2791		5.1 0.2083	1.734	0.509	0.3226	
0.225806451612903 0.2785		4.632 0.2046	1.448	0.4703	0.308	
0.258064516129032 0.2046		3.948	1.315	0.4577	0.292	0.275
0.290322580645161 0.2647		3.625 0.1985	1.242	0.4339	0.2894	
0.32258064516129 0.2472		3.403 0.1954	1.049	0.3601	0.2679	
0.354838709677419 0.2301		2.42 0.1795	0.9404	0.3577	0.266	
0.387096774193548 0.175		2.188	0.8743	0.3108	0.211	0.209
0.419354838709677 0.1968		2.167 0.1707	0.873	0.3052	0.2109	
0.451612903225806 0.1944		2.07 0.1698	0.7567	0.2983	0.2107	

0.483870967741936	1.917	0.7346	0.2724	0.2088
0.1939	0.1628			
0.516129032258065	1.838	0.5568	0.257	0.2059
0.1925	0.1553			
0.548387096774194	1.635	0.5215	0.2479	0.1999
0.1893	0.1549			
0.580645161290323	1.279	0.5107	0.2334	0.1955
0.1857	0.1514			
0.612903225806452	1.194	0.4646	0.2291	0.1914
0.1842	0.1462			
0.645161290322581	0.8934	0.3661	0.2191	0.1848
0.1801	0.1461			
0.67741935483871	0.8044	0.3544	0.2155	0.1803
0.1729	0.1459			
0.709677419354839	0.7654	0.3362	0.2148	0.1763
0.1647	0.1445			
0.741935483870968	0.7337	0.3307	0.1949	0.1606
0.1565	0.1396			
0.774193548387097	0.6624	0.2708	0.1734	0.1465
0.1456	0.1367			
0.806451612903226	0.6307	0.2699	0.1659	0.144
0.1404	0.1305			
0.838709677419355	0.6274	0.2603	0.1605	0.1384
0.1334	0.121			
0.870967741935484	0.6129	0.2537	0.1598	0.1331
0.1288	0.1175			
0.903225806451613	0.4768	0.2493	0.1522	0.1284
0.1047	0.09567			
0.935483870967742	0.293	0.194	0.1478	0.1047
0.1043	0.06784			
0.967741935483871	0.1587	0.1177	0.1058	0.1045
0.09289	0.05122			

0.1	6.4625	1.9317	0.56778	0.34709	0.30554
	0.23795				

Average of yearly

averages: 0.165941

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-imperv-1ap

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: esfenAgDRIFT

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	419.9	g/mol	
Henry's Law Const.	henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure	vapr	4.5E-7	torr	
Solubility	sol	0.006	mg/L	
Kd	Kd		mg/L	
Koc	Koc	251717	mg/L	
Photolysis half-life	kdp	9	days	Half-life
Aerobic Aquatic Metabolism	kbacw		276	days
	Halfife			

Anaerobic Aquatic Metabolism		kbacs	462	days
Halfife				
Aerobic Soil Metabolism	asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm	
Application Rate:	TAPP	0.22	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of	application rate applied to	
pond				
Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or	
dd-mmm				
Record 17: FILTRA				
IPSCND	1			
UPTKF				
Record 18: PLVKRT				
PLDKRT				
FEXTRC	0.5			
Flag for Index Res. Run	IR	EPA Pond		
Flag for runoff calc.	RUNOFF	none	none, monthly or	
total(average of entire run)				

53.2. Pore Water

stored as esfen-agdrift-imperv-1apben.out

Chemical: esfenAgDRIFT

PRZM environment: CAImperviousRLF.txt

modified Tuesday, 20 February

2007 at 12:05:44

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at

15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Benthic segment concentrations (ppb)

Year	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
1961	0.02161	0.0216	0.02151	0.02123	0.02099	
	0.0138					
1962	0.02622	0.0262	0.02608	0.02577	0.02553	
	0.02228					
1963	0.06469	0.06467	0.06444	0.0637	0.06308	
	0.04933					
1964	0.05356	0.0535	0.05327	0.05272	0.05228	
	0.04883					
1965	0.05654	0.05652	0.05629	0.05566	0.05513	
	0.04929					
1966	0.05626	0.05623	0.05597	0.05537	0.05482	0.05
1967	0.05871	0.05868	0.05847	0.05779	0.05721	
	0.05144					
1968	0.07591	0.07587	0.07552	0.07476	0.07457	
	0.06459					
1969	0.08349	0.08345	0.08313	0.08213	0.08128	
	0.07266					
1970	0.06864	0.06856	0.06822	0.06742	0.06678	
	0.06361					
1971	0.05931	0.05929	0.05905	0.05839	0.05781	
	0.05466					

1972	0.06011 0.05303	0.06008	0.05982	0.05909	0.05848
1973	0.04986 0.04623	0.04981	0.0496	0.04909	0.04868
1974	0.1035 0.08115	0.1034	0.103	0.102	0.101
1975	0.1042 0.09226	0.1042	0.1038	0.1026	0.1016
1976	0.09265 0.08432	0.09261	0.09223	0.09115	0.09017
1977	0.07623 0.06974	0.07616	0.07585	0.0751	0.07448
1978	0.0793 0.06916	0.07926	0.07895	0.07798	0.07715
1979	0.0655 0.06062	0.06543	0.06516	0.06452	0.06399
1980	0.08106 0.06848	0.08102	0.0807	0.07984	0.07907
1981	0.06731 0.06078	0.06723	0.06692	0.06618	0.06559
1982	0.08399 0.07064	0.08396	0.08368	0.08277	0.08196
1983	0.07928 0.07064	0.07925	0.07888	0.0779	0.07706
1984	0.06727 0.06155	0.06724	0.06692	0.06597	0.06524
1985	0.05542 0.05131	0.05537	0.05515	0.05462	0.05419
1986	0.04619 0.04287	0.04617	0.04604	0.04559	0.04513
1987	0.03833 0.03423	0.03829	0.03812	0.03772	0.03738
1988	0.05868 0.04612	0.05865	0.05836	0.05755	0.05689
1989	0.05376 0.0484	0.05373	0.05345	0.05271	0.05209
1990	0.04474 0.04163	0.04469	0.04449	0.04404	0.04368

Sorted results

Prob.	Peak Yearly	96 hr	21 Day	60 Day	90 Day	
0.032258064516129	0.1016	0.1042	0.1042	0.1038	0.1026	
0.0645161290322581	0.08432	0.1035	0.1034	0.103	0.102	0.101
0.0967741935483871	0.09017	0.09265	0.09261	0.09223	0.09115	
0.129032258064516	0.08196	0.08399	0.08396	0.08368	0.08277	
0.161290322580645	0.08128	0.08349	0.08345	0.08313	0.08213	
0.193548387096774	0.07907	0.08106	0.08102	0.0807	0.07984	
0.225806451612903	0.07715	0.0793	0.07926	0.07895	0.07798	

0.258064516129032	0.07928	0.07925	0.07888	0.0779
0.07706	0.06916			
0.290322580645161	0.07623	0.07616	0.07585	0.0751
0.07457	0.06848			
0.32258064516129	0.07591	0.07587	0.07552	0.07476
0.07448	0.06459			
0.354838709677419	0.06864	0.06856	0.06822	0.06742
0.06678	0.06361			
0.387096774193548	0.06731	0.06724	0.06692	0.06618
0.06559	0.06155			
0.419354838709677	0.06727	0.06723	0.06692	0.06597
0.06524	0.06078			
0.451612903225806	0.0655	0.06543	0.06516	0.06452
0.06399	0.06062			
0.483870967741936	0.06469	0.06467	0.06444	0.0637
0.06308	0.05466			
0.516129032258065	0.06011	0.06008	0.05982	0.05909
0.05848	0.05303			
0.548387096774194	0.05931	0.05929	0.05905	0.05839
0.05781	0.05144			
0.580645161290323	0.05871	0.05868	0.05847	0.05779
0.05721	0.05131			
0.612903225806452	0.05868	0.05865	0.05836	0.05755
0.05689	0.05			
0.645161290322581	0.05654	0.05652	0.05629	0.05566
0.05513	0.04933			
0.67741935483871	0.05626	0.05623	0.05597	0.05537
0.05482	0.04929			
0.709677419354839	0.05542	0.05537	0.05515	0.05462
0.05419	0.04883			
0.741935483870968	0.05376	0.05373	0.05345	0.05272
0.05228	0.0484			
0.774193548387097	0.05356	0.0535	0.05327	0.05271
0.05209	0.04623			
0.806451612903226	0.04986	0.04981	0.0496	0.04909
0.04868	0.04612			
0.838709677419355	0.04619	0.04617	0.04604	0.04559
0.04513	0.04287			
0.870967741935484	0.04474	0.04469	0.04449	0.04404
0.04368	0.04163			
0.903225806451613	0.03833	0.03829	0.03812	0.03772
0.03738	0.03423			
0.935483870967742	0.02622	0.0262	0.02608	0.02577
0.02553	0.02228			
0.967741935483871	0.02161	0.0216	0.02151	0.02123
0.02099	0.0138			

0.1	0.091784	0.091745	0.091375	0.090312	0.089349
	0.080301				

Average of yearly

averages: 0.056455

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: esfen-agdrift-imperv-1ap

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt
 EXAMS environment file: pond298.exv
 Chemical Name: esfenAgDRIFT

Description Variable Name	Value	Units	Comments
Molecular weight mwt	419.9	g/mol	
Henry's Law Const. henry	1.4E-12	atm-m ³ /mol	
Vapor Pressure vapr	4.5E-7	torr	
Solubility sol	0.006	mg/L	
Kd Kd	mg/L		
Koc Koc	251717	mg/L	
Photolysis half-life kdp	9	days	Half-life
Aerobic Aquatic Metabolism Halfife	kbacw	276	days
Anaerobic Aquatic Metabolism Halfife	kbacs	462	days
Aerobic Soil Metabolism asm	138	days	Halfife
Hydrolysis: pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual
Incorporation Depth: DEPI	4	cm	
Application Rate: TAPP	0.22	kg/ha	
Application Efficiency: APPEFF	0.99	fraction	
Spray Drift DRFT	0.007	fraction of	application rate applied to pond
Application Date	Date	01-04	dd/mm or dd/mm/ or dd-mm or dd-mm/
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run IR	EPA Pond		
Flag for runoff calc. RUNOFF	none		none, monthly or
total(average of entire run)			