

III. Appendices
B. Hazard/RPF

2. Dose-Response Curves

Table III.B.2-1. Acephate: Toxicology Profile Table

Acephate						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
40504819	82-1 (870.3100)	Subchronic Oral Toxicity–Rat (Special ChE inhibition study)	006680 012544 14258	0/0, 0.15/0.12, 0.36/0.28, 0.76/0.58, 11.48/8.90 mg/kg/day (females/males)	Nonguideline	Rat/ Sprague Dawley
45134301	82-2 (870-3200)	21-Day Dermal Toxicity–Rat	14210 41528	0, 20, 30, 40, 50 mg/kg/day	Nonguideline	Rat/ Sprague Dawley
45134302	82-4 (870.3465)	Subchronic Inhalation Toxicity–Rat	14223 41528	0, 0.001064, 0.003123, 0.005550 mg/L	Nonguideline	Rat/ Sprague Dawley
44541101	82-2 (870.3200)	21-Day Dermal Toxicity–Rat	13396	0, 12, 60, 300 mg/kg/day	Guideline	Rat/ Sprague Dawley
40504818	82-4 (870.3465)	4-Week Inhalation Toxicity–Rat	12544	0 (air), 1.05, 10.8, 93.6 mg/m ³	Guideline	Rat/ Fischer
40645903	82-4 (870.3465)	4-Week Inhalation Toxicity–Rat	12544	0 (air), 0.187, 0.507 mg/m ³	Guideline	Rat/ Fischer
00084017	83-5 (870.4300)	Combined Chronic Oral Toxicity/ Carcinogenicity–Rat	004951 012544	0/0, 0.3/0.2,3.1/ 2.4,47.2/38.2 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
44203304	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	12416	0/0, 0.41/0.33, 3.95/3.31, 58.27/48.63 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley

Figure III.B.2-1. Acephate : Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plot For P_B

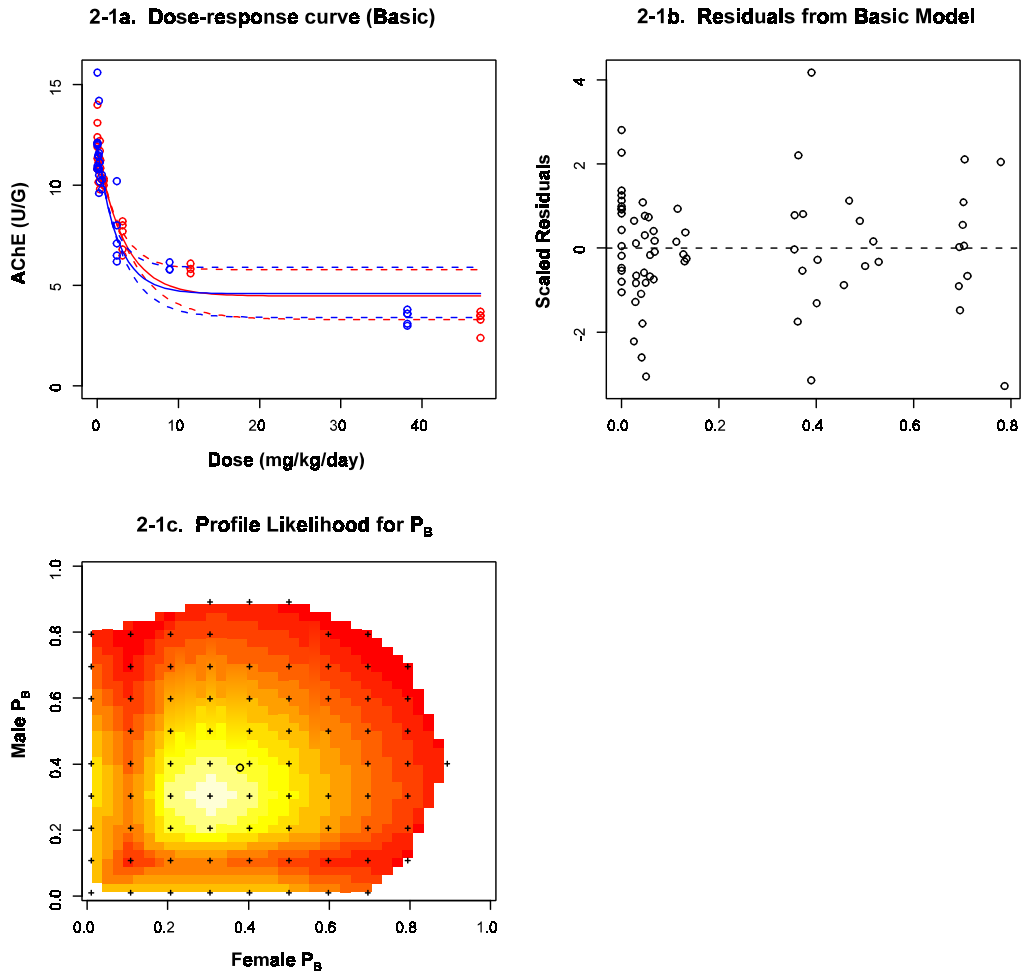


Table III.B.2-2. Azinphos-methyl: Toxicology Profile Table

Azinphos-methyl						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
43826601	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	011898	0/0, 1.05/0.91, 3.23/2.81, 6.99/7.87 mg/kg/day (females/males)	Guideline	Rat/ Fischer
41119901	83-5 (870.4300)	Combined Chronic Oral Toxicity/ Carcinogenicity–Rat	008300	0/0, 0.31/0.25, 0.96/0.75, 3.11/2.33 mg/kg/day (females/males)	Guideline	Rat/ Wistar

Figure III.B.2-2. Azinphos-methyl: Dose-response Curves Using the Basic and Expanded Models, Plots of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots For P_B , D , and S

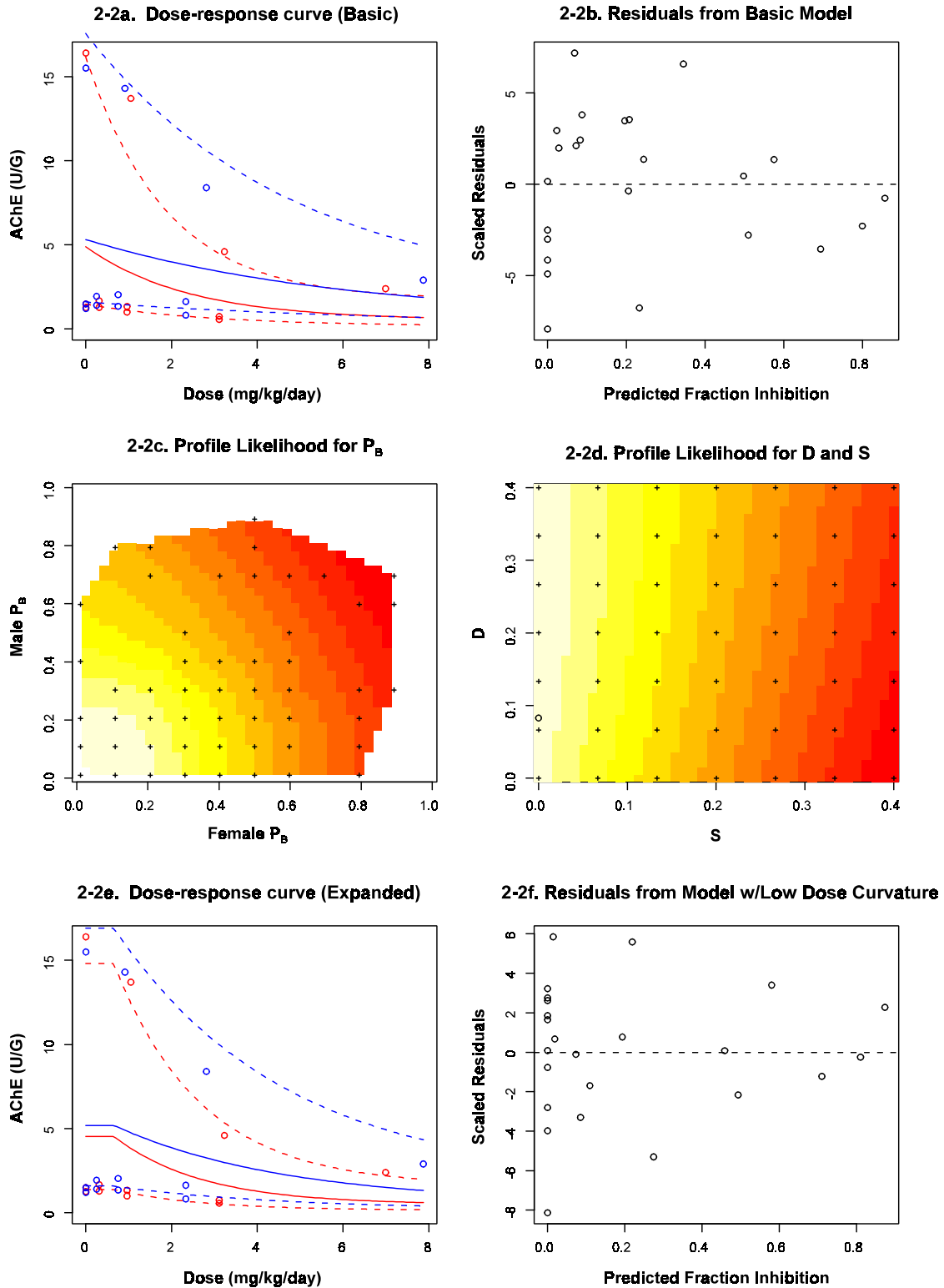


Table III.B.2-3. Bensulide: Toxicology Profile Table

Bensulide						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
43919601	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	12289	0/0, 5/5, 15/15, 45/46, or 100/110 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
44161101	83-5 (870.4300)	Combined Chronic Oral Toxicity/ Carcinogenicity–Rat	12289	0/0, 1/1, 15.30/15.10, 61.30/60.10 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
44801101 44809401	82-2 (870.3200)	21-Day Dermal Toxicity–Rat	013532	0, 30, 50, 500 mg/kg/day	Nonguideline	Rat/ CD

Figure III.B.2-3. Bensulide: Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

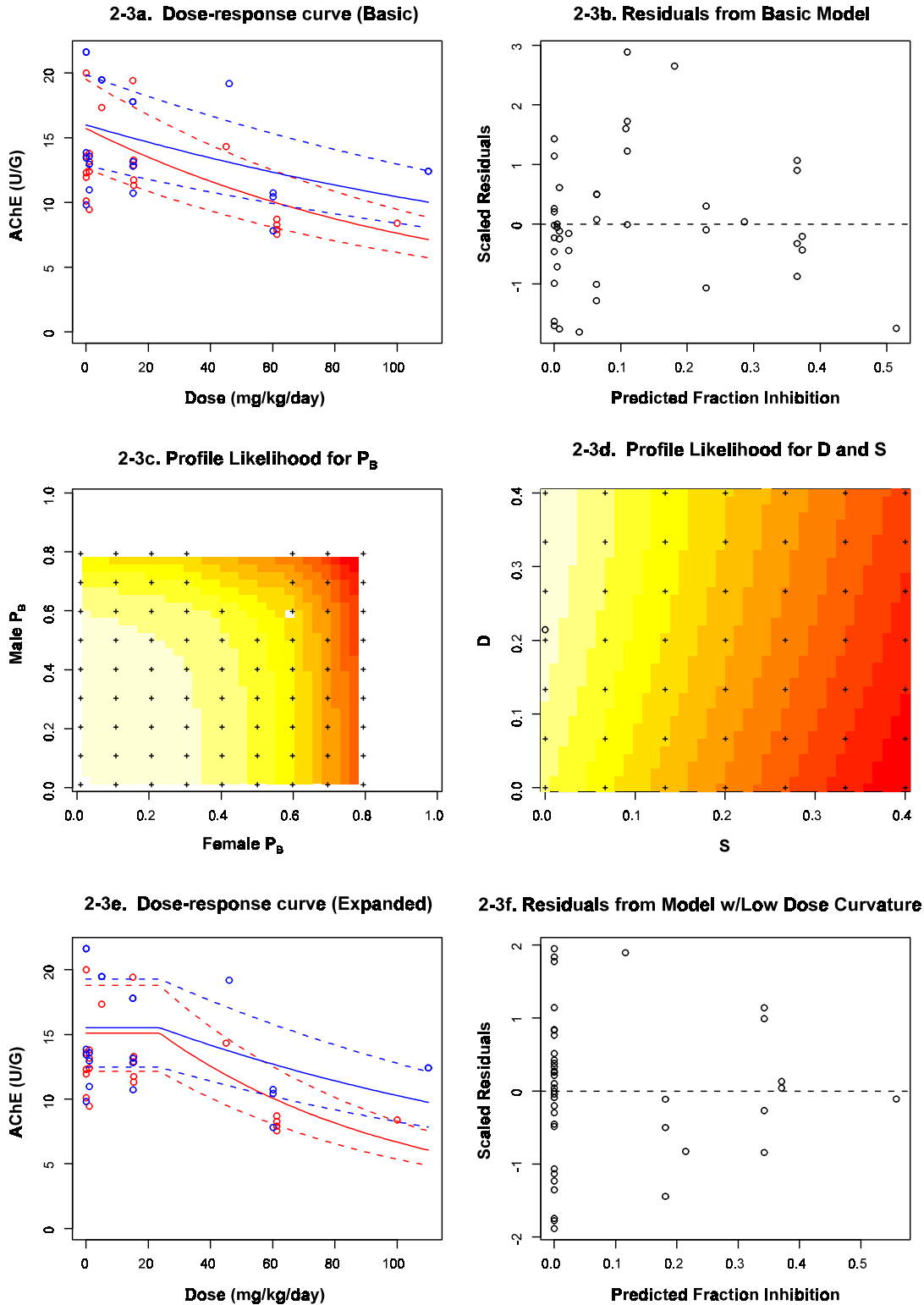


Table III.B.2-4. Chlorpyrifos: Toxicology Profile Table

Chlorpyrifos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
40436406	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	006851 007302 013240	0/0, 0.05/0.04, 1.00/0.90, 23.40/19.40 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
40952801	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	007102	0, 0.10, 1.00, 5.00, 15.00 mg/kg/day	Guideline	Rat/ Fischer
42172802	83-5 (870.4300)	Combined Chronic Oral Toxicity/ Carcinogenicity– Rat	009733 010605 013240	0/0, 0.01/0.01, 0.37/0.33, 7.61/6.77 mg/kg/day (females/males)	Guideline	Rat/ Fischer
40952802	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity– Rat	007107 013240	0, 0.05, 0.10, 1, 10 mg/kg/day	Guideline	Rat/ Fischer

Figure III.B.2-4 Chlorpyrifos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plot For P_B

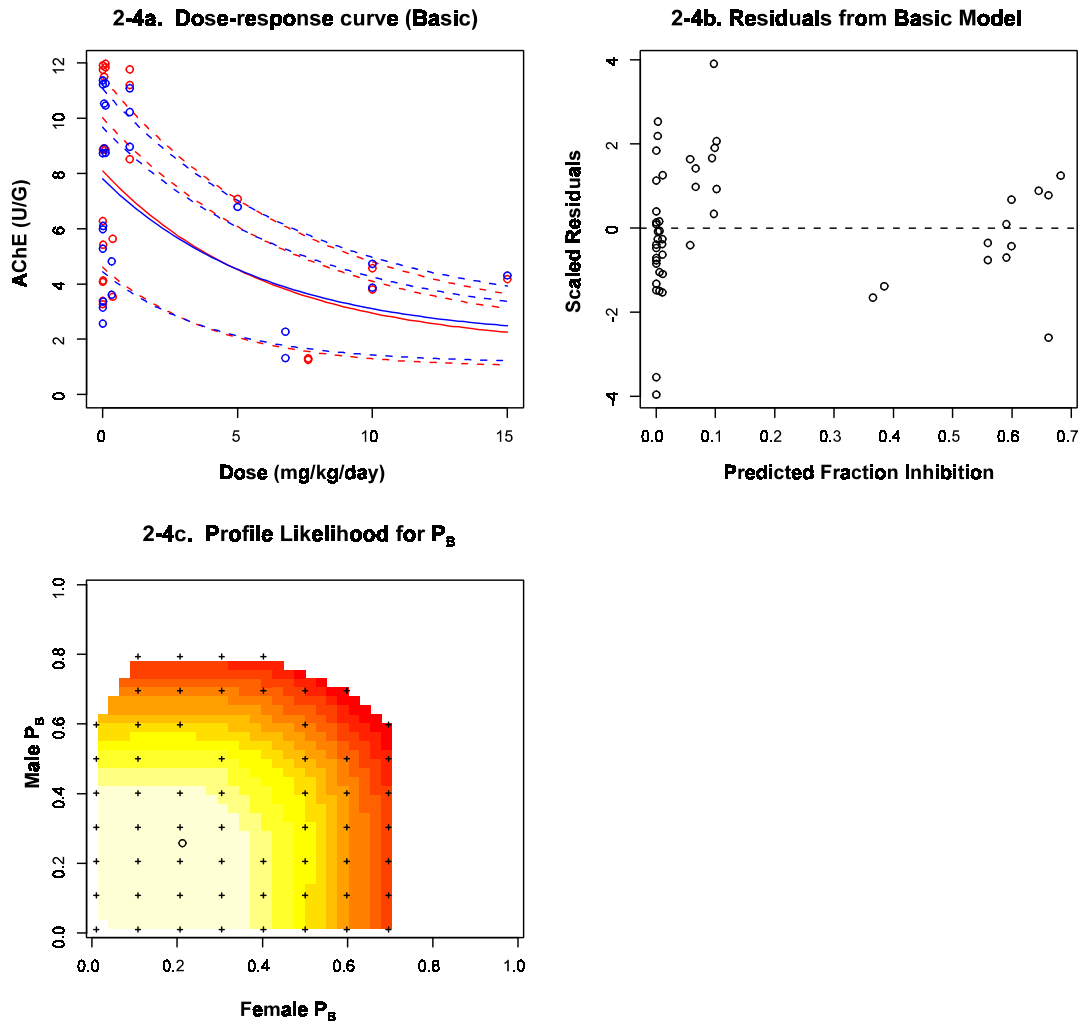


Table III.B.2-5. Chlorpyrifos-methyl: Toxicology Profile Table

Chlorpyrifos-methyl						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
42269001	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	009560	0, 0.05, 0.1, 1, 50 mg/kg/day	Guideline	Rat/Fischer
44906902	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	014122	0, 0.1, 1, 10, 250 mg/kg/day	Guideline	Rat/Fischer

Figure III.B.2-5. Chlorpyrifos-methyl: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plot For P_B

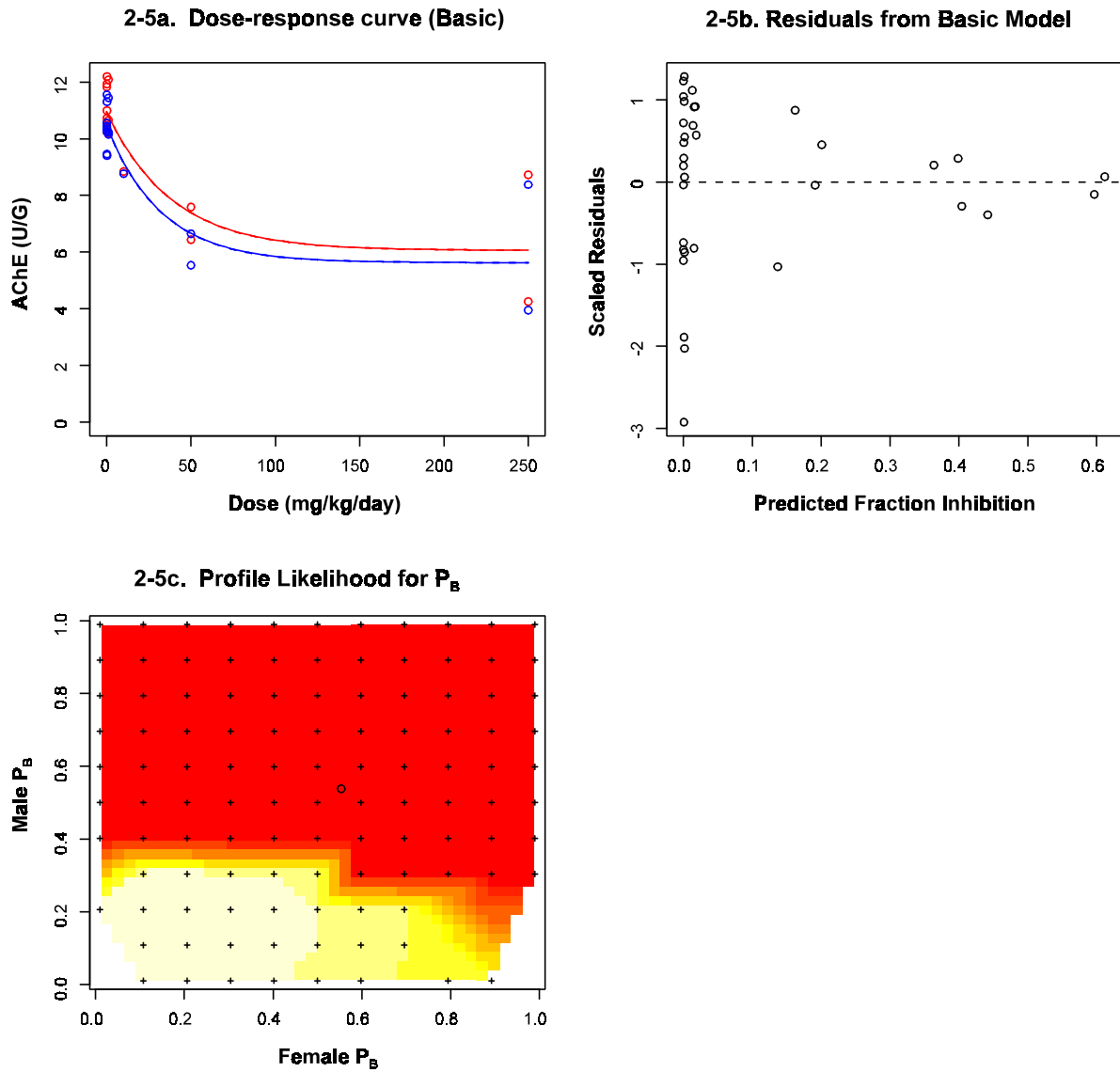


Table III.B.2-6. Diazinon: Toxicology Profile Table

Diazinon						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
40815003	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	007041 007553 012219	0/0, 0.04/0.03, 0.40/0.30, 19/15, 212/168 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
43543902	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	011873	0/0, 0.02/0.02, 2.16/1.93, 21.59/19.32, 222.73/201.14 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
41942002	83-1 (870.4100)	Chronic Oral Toxicity–Rat	010331 012219	0, 0.005/0.004, 0.07/0.06, 6/5, or 12/10 mg/kg/day (males/females)	Guideline	Rat/ Sprague Dawley
43543901	82-7 (870.6200)	Subchronic Neurotoxicity (28-day ChE Inhibition Study)–Rat	011873	0/0, 0.02/0.02, 2.4/2.3, 23/23, and 210/213 mg/kg/day (females/males)	Nonguideline	Rat/ Sprague Dawley
41886301 Not used in analysis	82-1 (870.3100)	Special (6 week) Subchronic Oral Toxicity–Rat	009372 012219	MRID deleted due to experimental issues regarding dosing procedures.	Nonguideline	Rat/ Sprague Dawley

Figure III.B.2-6 Diazinon: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

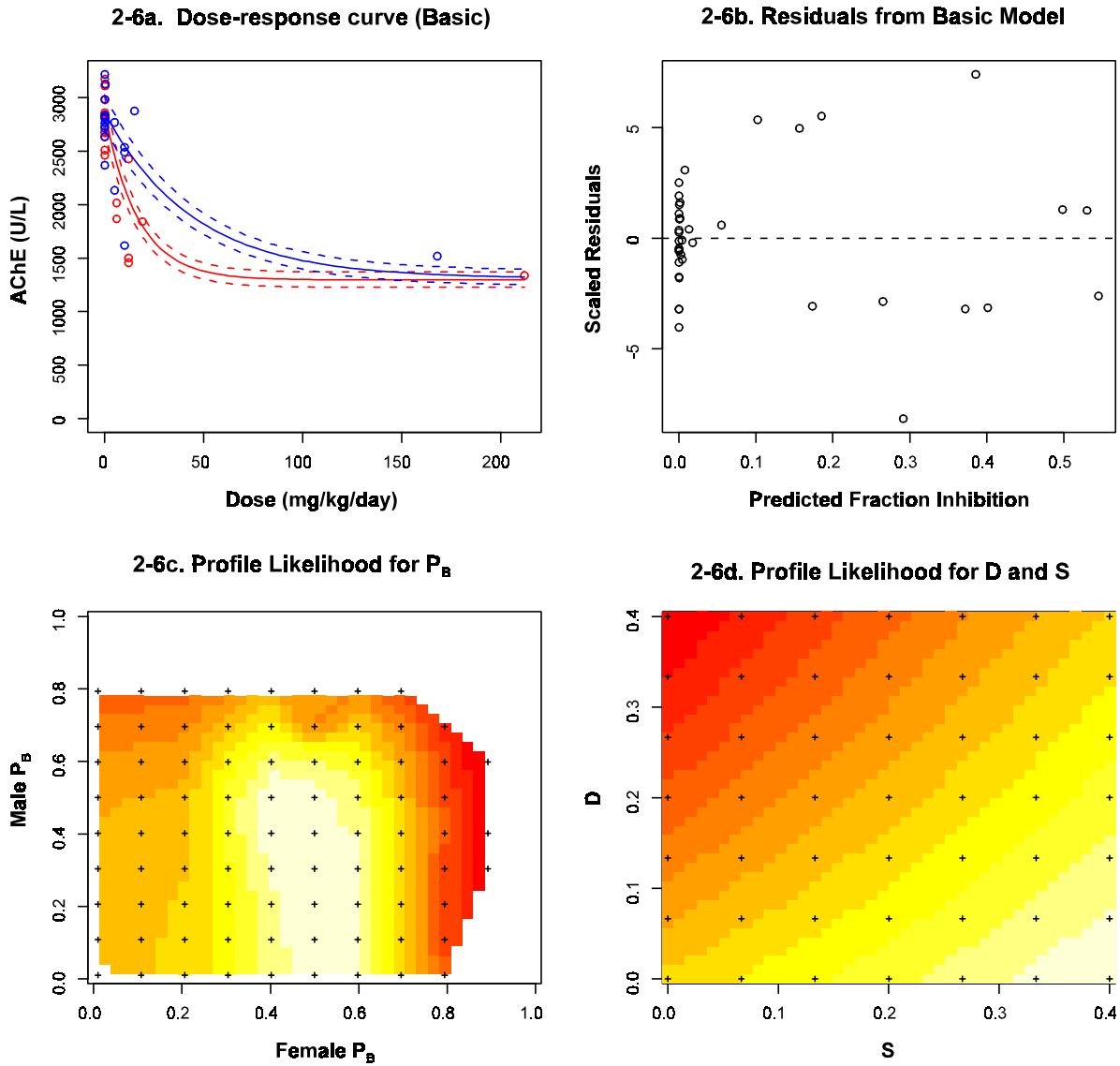


Table III.B.2-7. Dichlorvos: Toxicology Profile Table

Dichlorvos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
41004701	82-1 (870.3100)	Subchronic Oral (Gavage) Toxicity–Rat	007448	0, 0.1, 1.5, 15 mg/kg/day (gavage)	Guideline	Rat/ Sprague Dawley
42958101	82-7 (870.6200)	Subchronic Oral (Gavage) Neurotoxicity– Rat	011055 012494	0, 0.1, 7.5, 15 mg/kg/day (gavage)	Guideline	Rat/ Sprague Dawley
40299401	83-5 (870.4300)	Combined Chronic Oral (Gavage) Toxicity/Carcinogenicity–Rat (NTP study)	006017 012494	0, 4, 8 mg/kg/day (gavage)	Guideline	Rat/ Fischer
00057695 00632569	83-5 (870.4300)	Combined Chronic Inhalation Toxicity/Carcinogenicity–Rat	001466 006860	0, 0.05, 0.5, 5 mg/m ³	Supplemental	Rat/ Carworth Farm E (CFE)

Figure III.B.2-7 Dichlorvos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

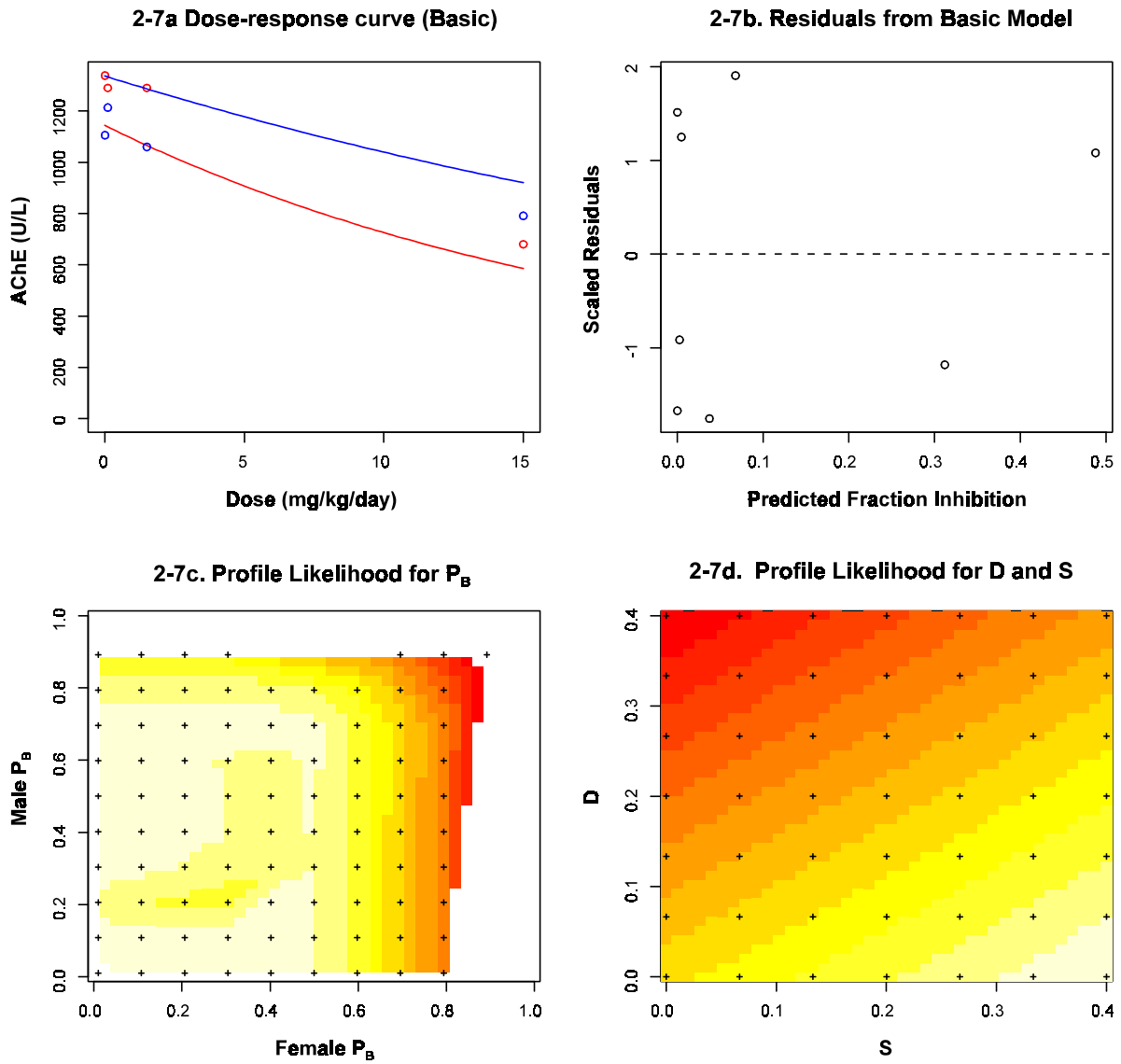


Table III.B.2-8. Dicrotophos: Toxicology Profile Table

Dicrotophos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
44527802	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	012994	0/, 0.03/0.02, 0.32/0.25,,1.74/1.42 mg/kg/day (females/males)	Guideline	Rat/Sprague Dawley
43980201	82-7 (870.6200)	Subchronic Neurotoxicity –Rat	013048	0/0, 0.04/0.04, 0.45/0.39, 2.38/2.03 mg/kg/day (females/males)	Guideline	Rat/Sprague Dawley

Figure III.B.2-8. Dicrotophos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

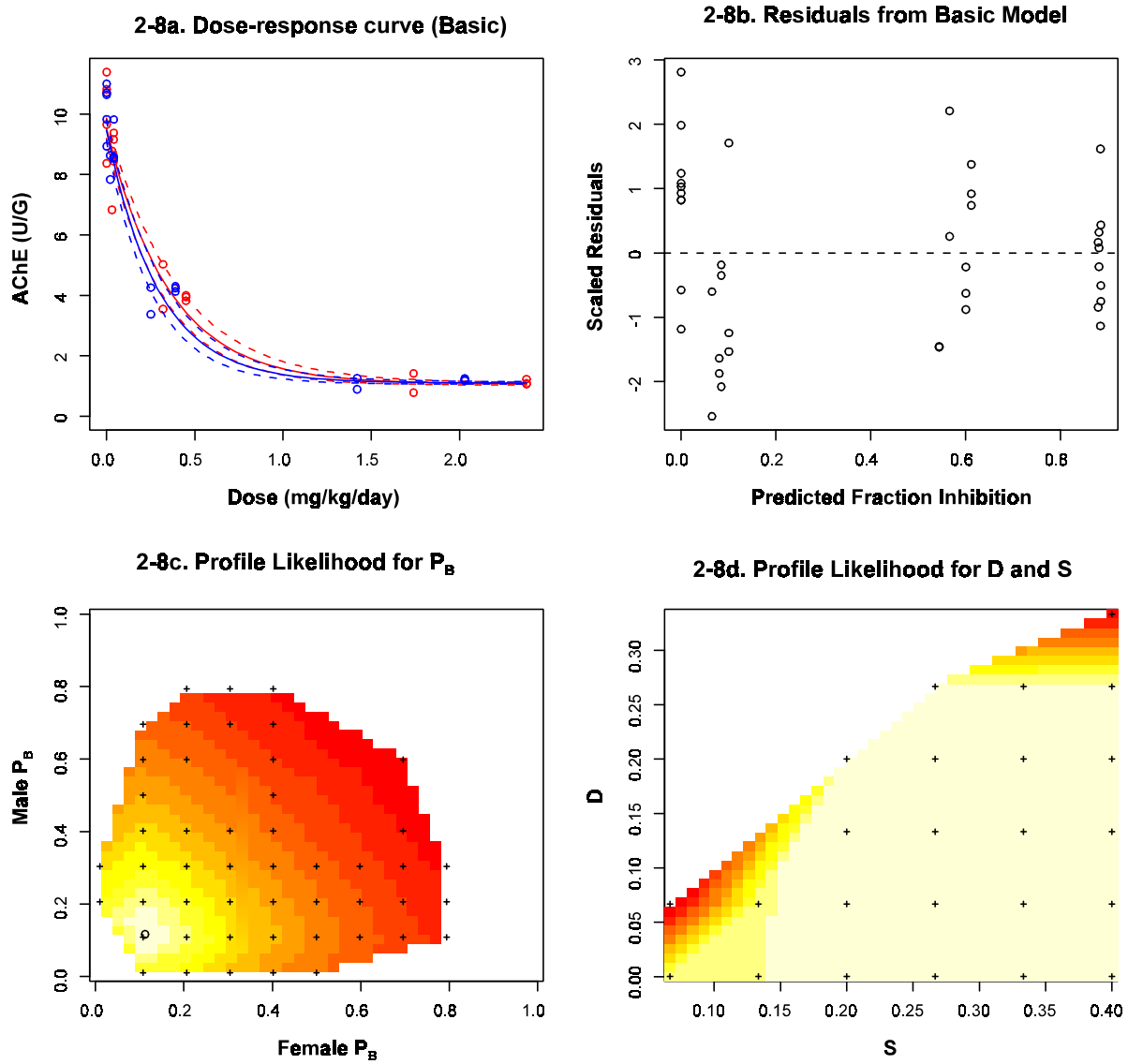
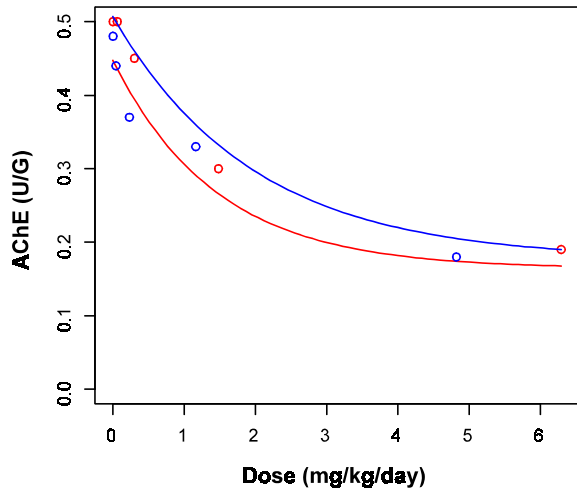


Table III.B.2-9. Dimethoate: Toxicology Profile Table

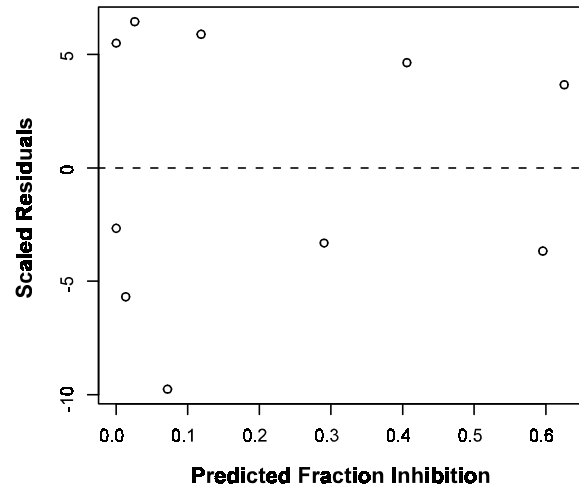
Dimethoate						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
43128201	82-7 (870.6200)	Subchronic Neurotoxicity-- Rat	011164	0/0, 0.08/0.06, 3.78/3.22, 9.88/8.13 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
164177	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity--Rat	006398 008457	0/0, 0.06/0.04, 0.30/0.23, 1.48/1.16, 6.29/4.82 mg/kg/day (females/males)	Guideline	Rat/ Wistar

Figure III.B.2-9. Dimethoate: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

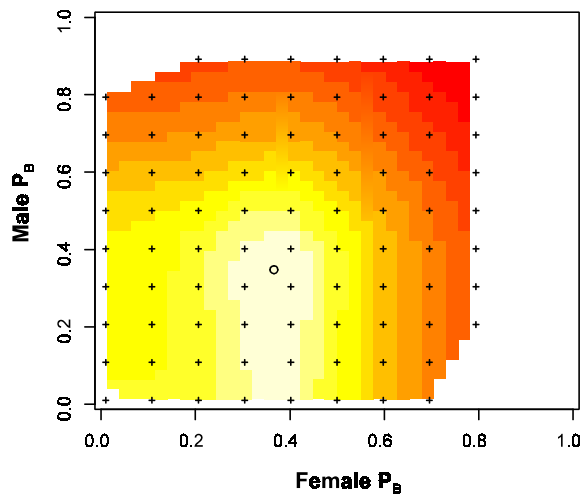
2-9a. Dose-response curve (Basic)



2-9b. Residuals from Basic Model



2-9c. Profile Likelihood for P_B



2-9d. Profile Likelihood for D and S

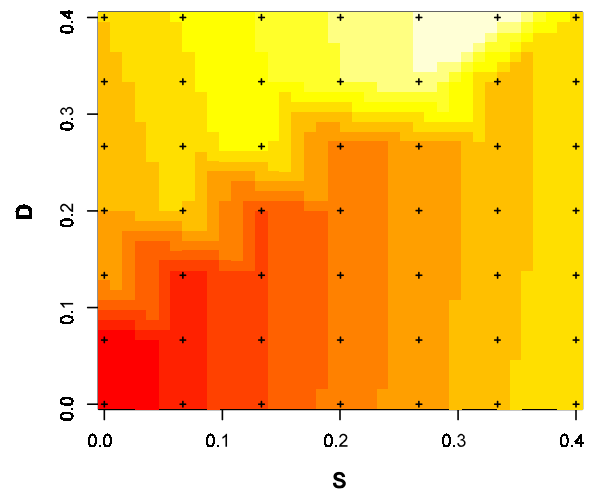


Table III.B.2-10. Disulfoton: Toxicology Profile Table

Disulfoton						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
00162338	82-2 (870.3200)	21-Day Dermal Toxicity–Rabbit	005556	0, 0.4, 1.6, 6.5 mg/kg/day	Guideline	Rabbit/ New Zealand
41224301	82-4 (870.3465)	Subchronic Inhalation Toxicity–Rat	011242	Air and PEG-400:50% ethanol vehicle controls, 0.016/0.018, 0.16/0.16, 1.4/1.4 mg/m ³ (females/males)	Guideline	Rat/ Fischer
42977401	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	011456	0/0, 0.07/0.06, 0.31/0.27, 1.30/1.08 mg/kg/day (females/males)	Guideline	Rat/ Fischer
43058401	Non-guideline study	Special 6-month Cholinesterase–Rat	011249	0/0, 0.02/0.02, 0.03/0.03, 0.07/0.06 mg/kg/day (females/males)	Nonguideline	Rat/ Fischer
41850002 /146873	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	005029	0/0, 0.08/0.06, 0.26/0.22, 1.25/0.92 mg/kg/day (females/males)	Guideline	Rat/ Fischer
45239601	82-2 (870.3200)	21-Day Dermal Toxicity–Rabbit	014448	0, 0.8, 1, 3 mg/kg/day	Guideline	Rabbit/ New Zealand

Figure III.B.2-10 Disulfoton: Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

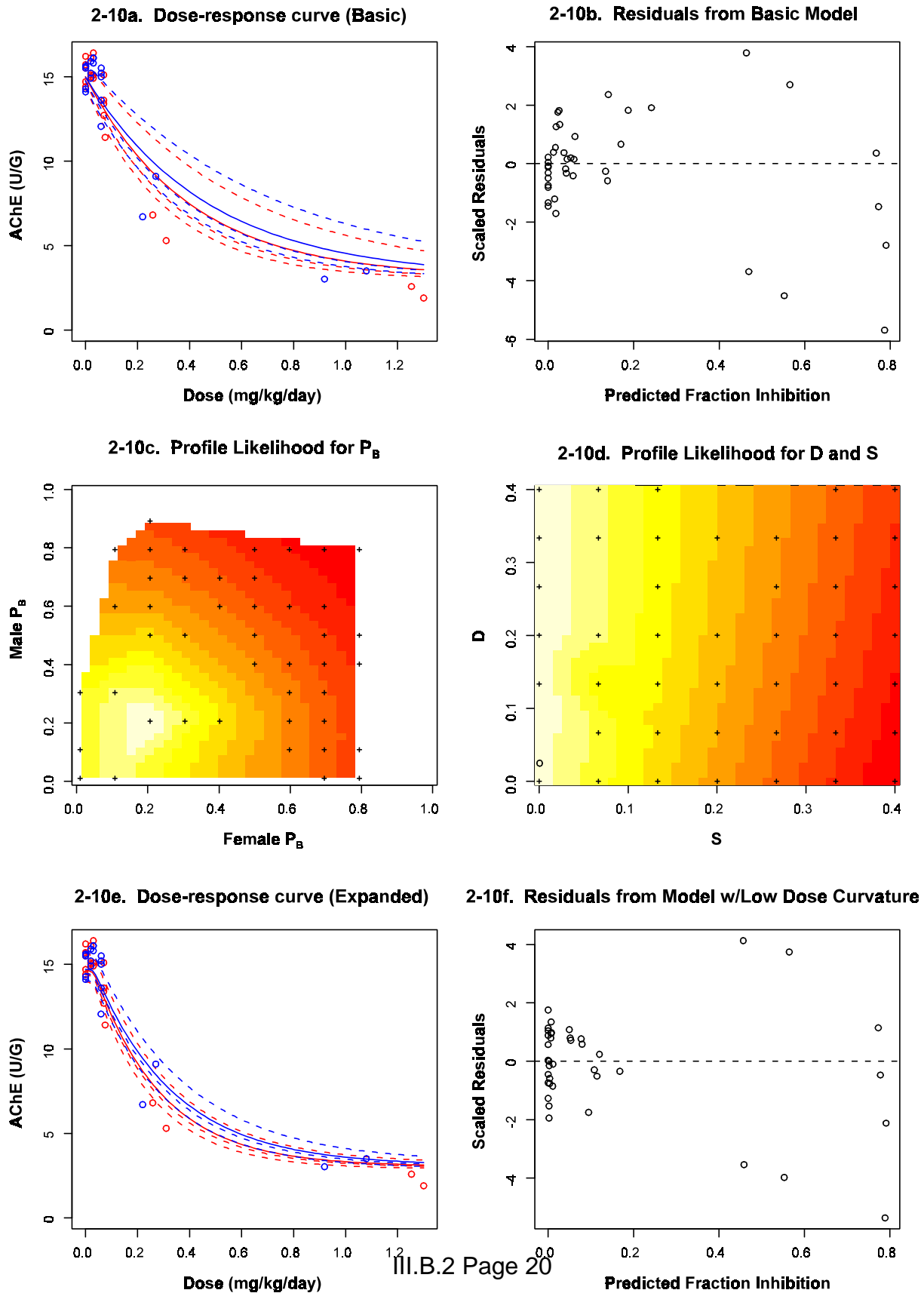


Table III.B.2-11. Ethoprop: Toxicology Profile Table

Ethoprop						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
45388501	82-1 (870.3100)	Subchronic (28-day) Oral Toxicity–Rat	In review	0/0, 0.021/0.018, 0.052/0.045, 0.099/0.09 mg/kg/day (females/males)	In review	Rat/ Sprague Dawley
45388502	82-1 (870.3100)	Subchronic (28-day) Oral Toxicity–Rat	In review	0/0, 0.707/0.567, 1.366/1.159, 2.677/2.363 mg/kg/day (females/males)	In review	Rat/ Sprague Dawley
75239	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	001789 001795 002775	0, 0.015, 0.05, 5 mg/kg/day	Supplementary	Rat/Charles River
43442401	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	012589 012397	0.306/0.26, 2.989/2.648, 31.311/27.113 mg/kg/day (females/males)	Guideline	Rat/ CD BR VAF/Plus
40291801	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	012589	0/0, 0.052/0.041, 0.51/0.4, 5.12/4.19 mg/kg/day (females/males)	Supplementary	Rat/Fischer
138636	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	006006 005741 012589	0/0, 13.1/10,28/ 21,59.3/44.8 mg/kg/day (females/males)	Supplementary	Rat/Fischer
42530201	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	012589 010775	0/0, 0.06/0.04, 3.27/2.62, 23.98/18.55 mg/kg/day (females/males)	Guideline	Rat/Crl:CD

Figure III.B.2-11. Ethoprop: Dose-response curve using the basic model, plot of the scaled residuals versus predicted inhibition, and the profile likelihood plots for P_B , D , and S

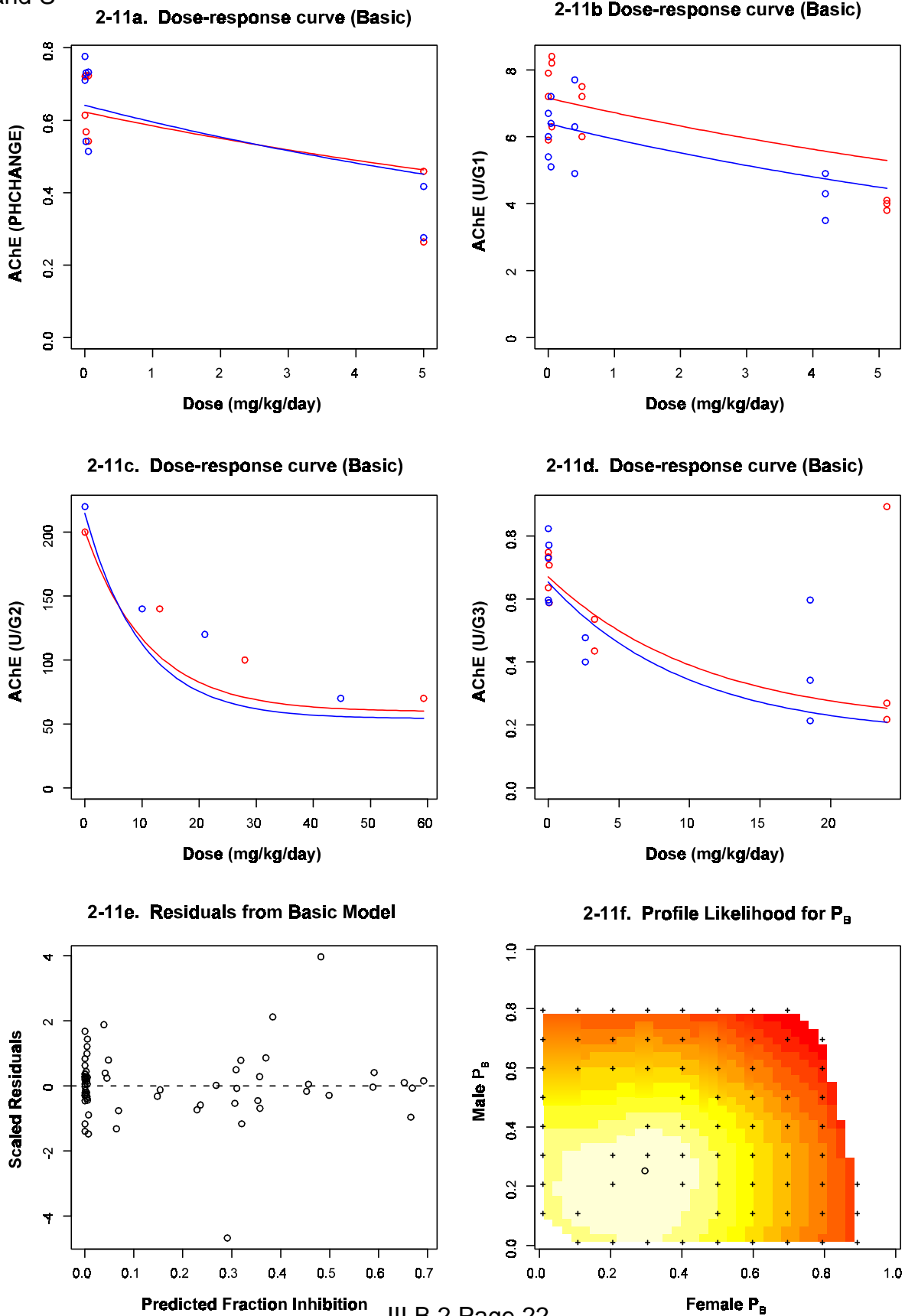


Table III.B.2-12. Fenamiphos: Toxicology Profile Table

Fenamiphos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
00154497	82-2 (870.3200)	21-Day Dermal Toxicity–Rabbit	004531 005722	0, 0.5, 2.5, 10 mg/kg/day	Guideline	Rabbit/ New Zealand White
40774809	82-4 (870.3465)	21-Day Inhalation Toxicity–Rat (nose only)	004531 010301 011035	0, 0.03, 0.25, 3.5 µg/L	Guideline	Rat/ Wistar
00161361	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	003331 003606 005722	0/0, 0.12/0.10, 0.60/0.46, 3.36/2.45 mg/kg/day (females/males)	Guideline	Rat/ Fischer
44051401	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	012019	0/0, 0.08/0.06, 0.80/0.61, 3.98/3.13 mg/kg/day (females/males)	Guideline	Rat/ Wistar

Figure III.B.2-12. Fenamiphos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

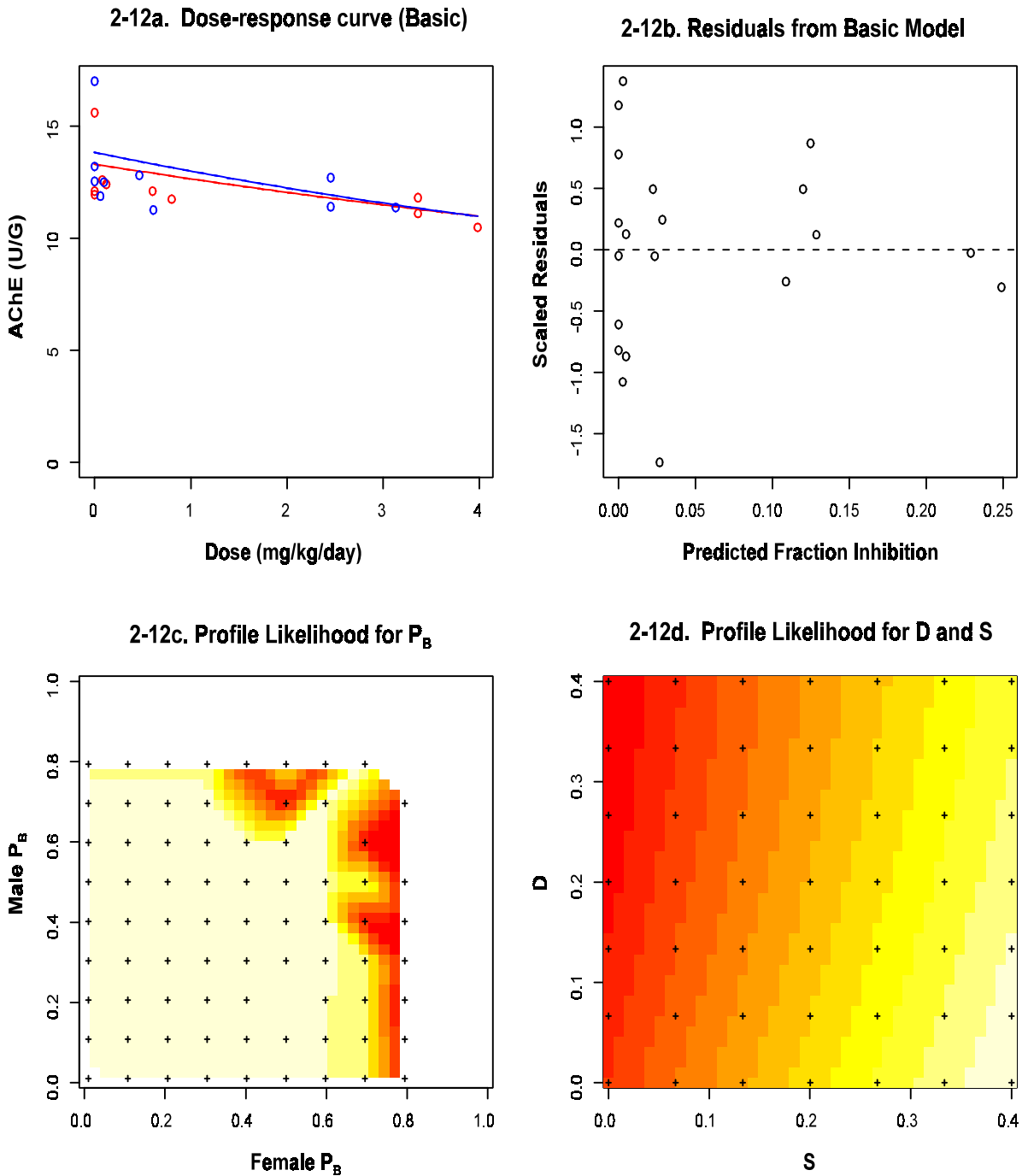


Table III.B.2-13. Fenthion: Toxicology Profile Table

Fenthion						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
41743101	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	011804 009870	0/0, 0.3/0.2, 1.3/0.8, 7.3/5.2 mg/kg/day	Guideline	Rat/ Fischer
44339401	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	012511	0, 0.17/0.13, 2.19/1.63, 12.62/8.5 mg/kg/day (females/males)	Guideline	Rat/ Wistar
40329501	82-2 (870.3200)	21-Day Dermal Toxicity– Rabbit	011765	0, 5, 50, 100, 200, 400 mg/kg/day	Guideline	Rabbit/ New Zealand

Figure III.B.2-13. Fenthion: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plot for P_B

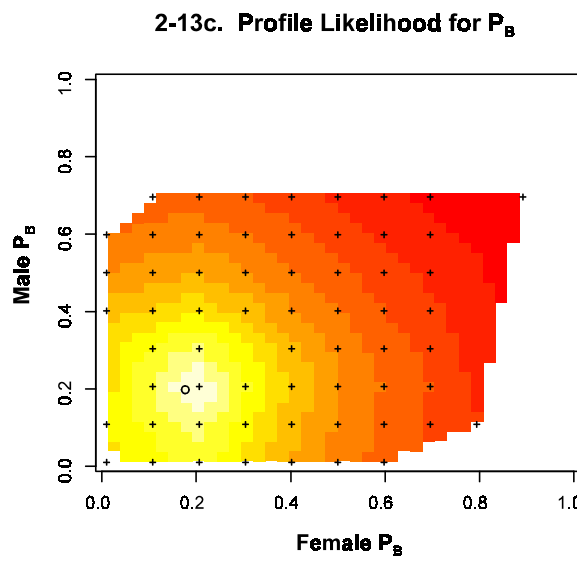
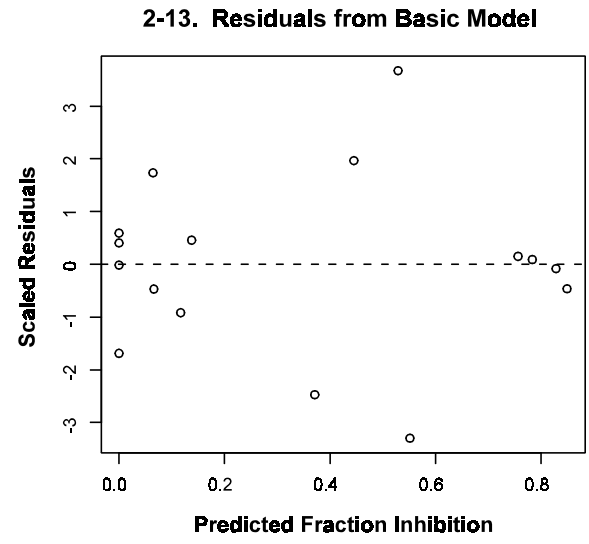
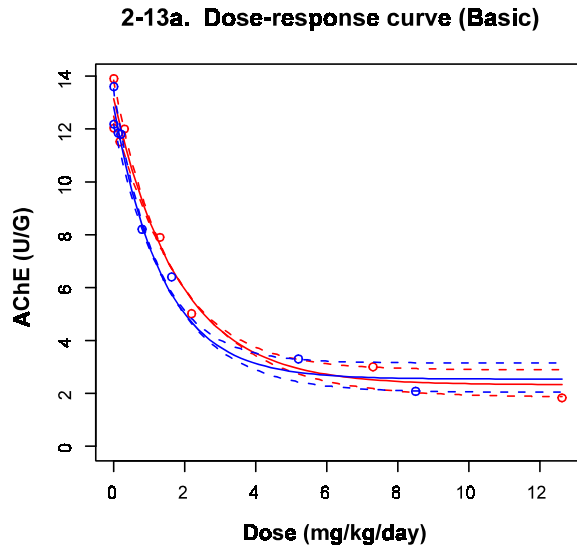


Table III.B.2-14. Fosthiazate: Toxicology Profile Table

Fosthiazate*						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
44269908	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	In review	0/0, 0.08/0.07, 0.57/0.56, 2.5/2.4 mg/kg/day (females/males)	In review	Rat/ Charles River CD (SD)
44269905	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	In review	0/0, 0.05/0.05, 0.1/0.1, 0.5/0.48, 1/0.97, 10.67/9.69, 43.52/40.87 mg/kg/day (females/males)	In review	Rat/ Charles River CD (remote SD origin)
41347632	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	008039	0/0, 0.09/0.08, 0.89/0.77, 4.74/4.12, 41.03/36.37 mg/kg/day (females/males)	Guideline	Rat/ CD
43559703	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	008039	0/0, 0.055/0.042, 0.54/0.41, 2.63/2.08, 12.53/8.94 mg/kg/day (females/males)	Guideline	Rat/ Charles River CD

*Not yet registered

Figure III.b.2-14. Fosthiazate: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plot for P_B

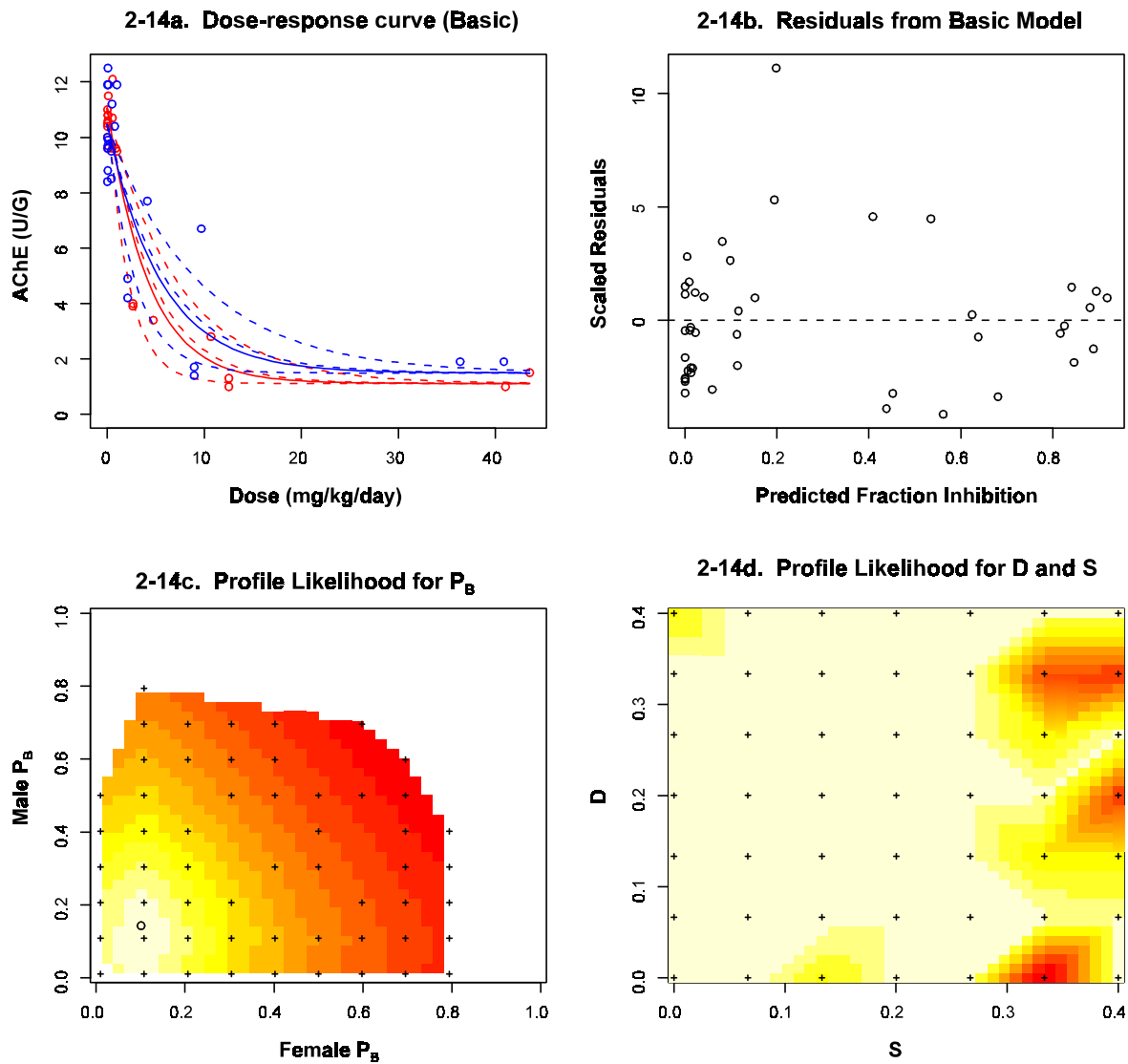


Table III.B.2-15. Malathion: Toxicology Profile Table

Malathion						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
41054201	82-2 (870.3200)	21-Day Dermal Toxicity–Rabbit	008714 009385 012433	0, 50, 300, 1000 mg/kg/day	Guideline	Rabbit/ New Zealand Albino
43266601	82-4 (870.3465)	13-Week Inhalation Toxicity–Rat	012433 011516	0 (air), 0.1, 0.45, 2.01 mg/L	Nonguideline	Rat/ Sprague Dawley
43942901	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	013822 014120 014121	0/0, 5/4 , 35/29, 415/359, 868/739 mg/kg/day (females/males)	Guideline	Rat/ Fischer
43269501	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	14120	0/0, 4/4, 395/352, 1575/1486 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley

Figure III.B.2-15 Malathion: Dose-Response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

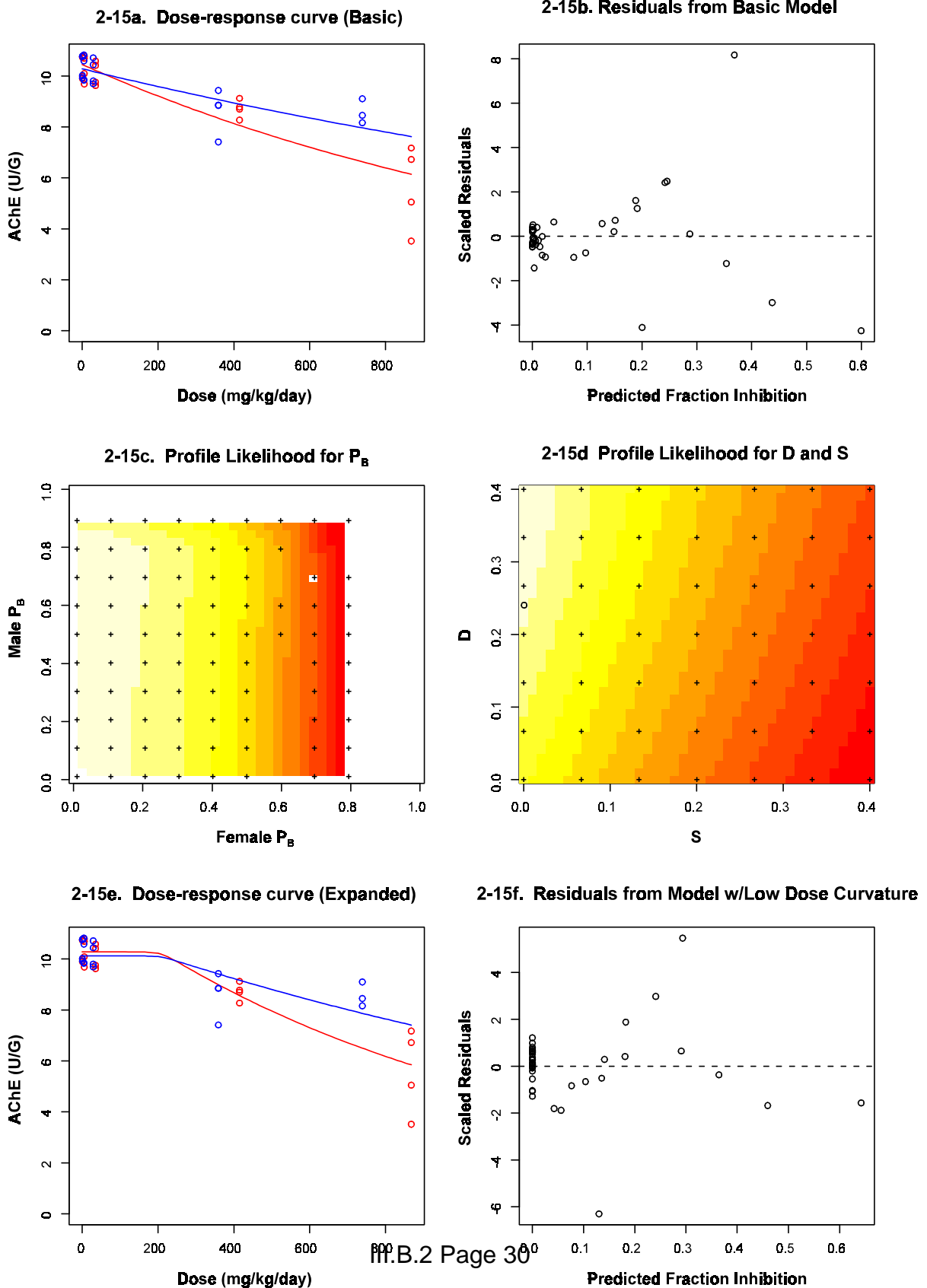


Table III.B.2-16. Methamidophos: Toxicology Profile Table

Methamidophos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
44525301	82-2 (870.3200)	21-Day Dermal Toxicity–Rat	13394	0, 0.75, 11.2, 36.5 mg/kg/day	Guideline	Rat/ Sprague Dawley
00147935	82-2 (870.3200)	21-Day Dermal Toxicity–Rabbit	11779	0, 0.5, 5 mg/kg/day	Nonguideline	Rabbit/ NZW
41402401	82-3 (870.3465)	Subchronic Inhalation Toxicity–Rat	011550 012826	Air and vehicle [PEG E400:ethanol] controls, 0.0011, 0.0054, 0.0231 mg/L	Guideline	Rat/ Wistar
41867201	82-1 (870.3100)	Subchronic Oral Toxicity–Rat (Special ChE study)	008846 012826	0/0, 0.06/0.03, 0.06/0.07, 0.17/0.13, 0.28/0.24 mg/kg/day (females/males)	Guideline	Rat/ Fischer
43197901	82-7 (870-6200)	Subchronic Neurotoxicity–Rat	011530 012826	0/0, 0.07/0.07, 0.90/0.79, 4.94/4.26 mg/kg/day (females/males)	Guideline	Rat/ Fischer
00148452	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	005313 007124 012514	0/0, 0.116/0.095, 0.351/0.288, 1.056/0.848, 3.49/2.847 mg/kg/day (females/males)	Guideline	Rat/ Fischer

Figure III.B.2-16. Methamidophos: Dose-response Curve Using the Basic Model for the Oral Route, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

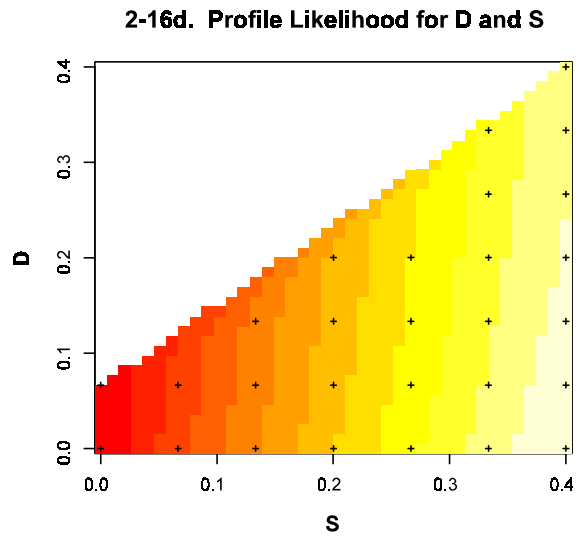
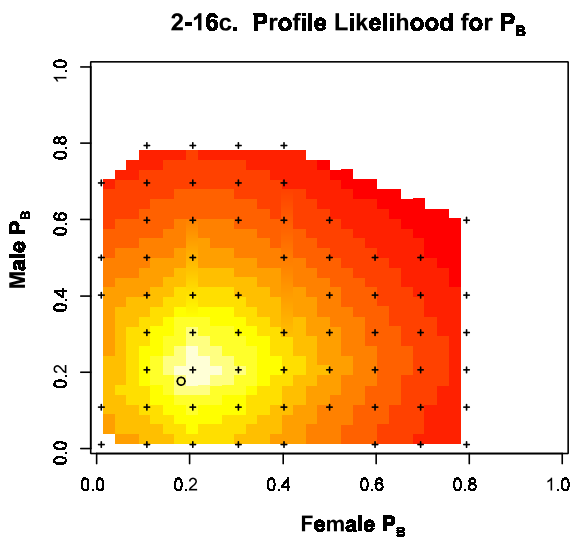
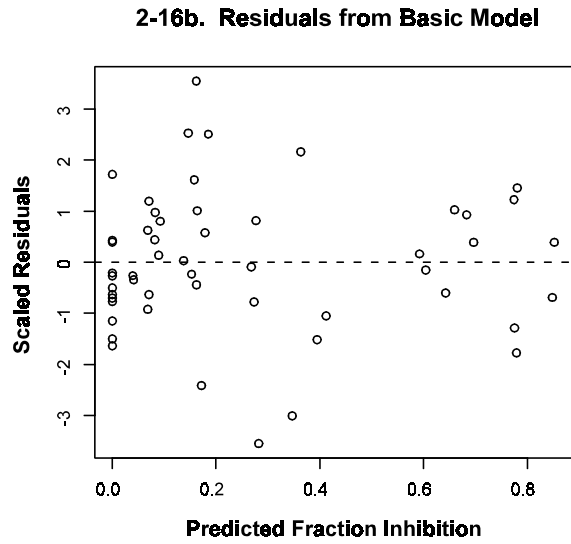
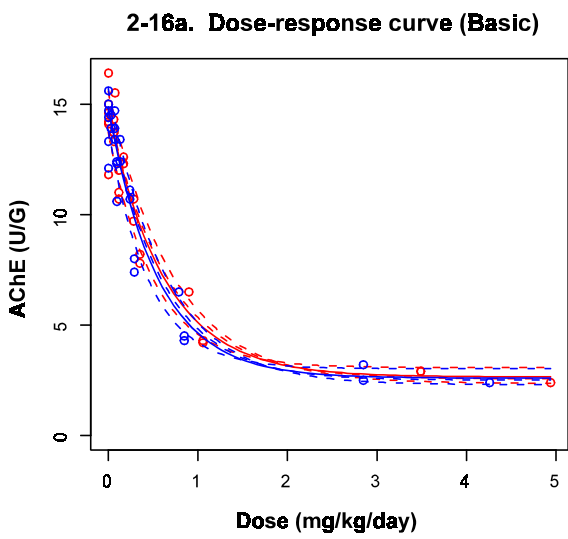


Figure III.B.2-17. Methamidophos: Dose-response Curve Using the Basic Model for the Dermal and Inhalation Routes.

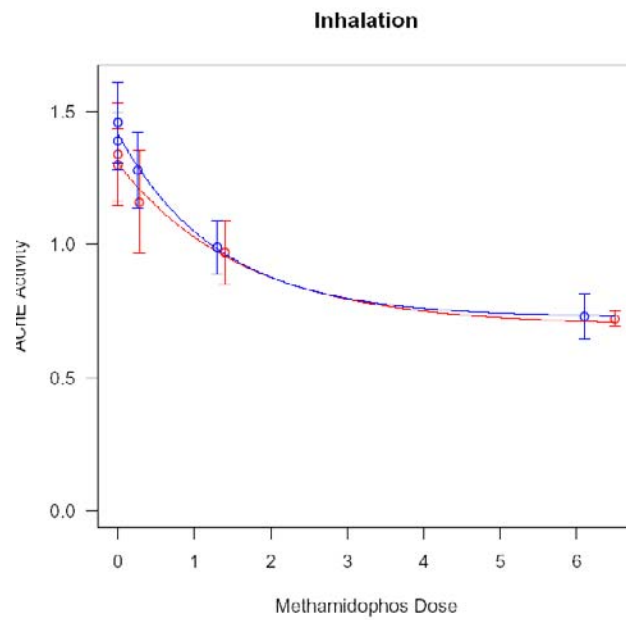
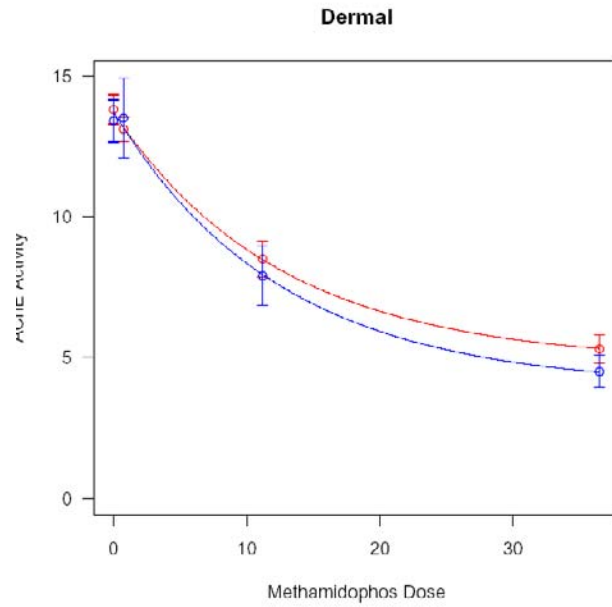


Table III.B.2-18. Methidathion: Toxicology Profile Table

Methidathion						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
43582501	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	011659	0/0, 0.20/0.18, 0.66/0.61, 2.01/1.86, 7.19/6.36 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
00160260	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	005743 006587	0/0, 0.22/0.16, 2.2/1.72, 6.93/4.91 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley

Figure III.B.2-18. Methidathion: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

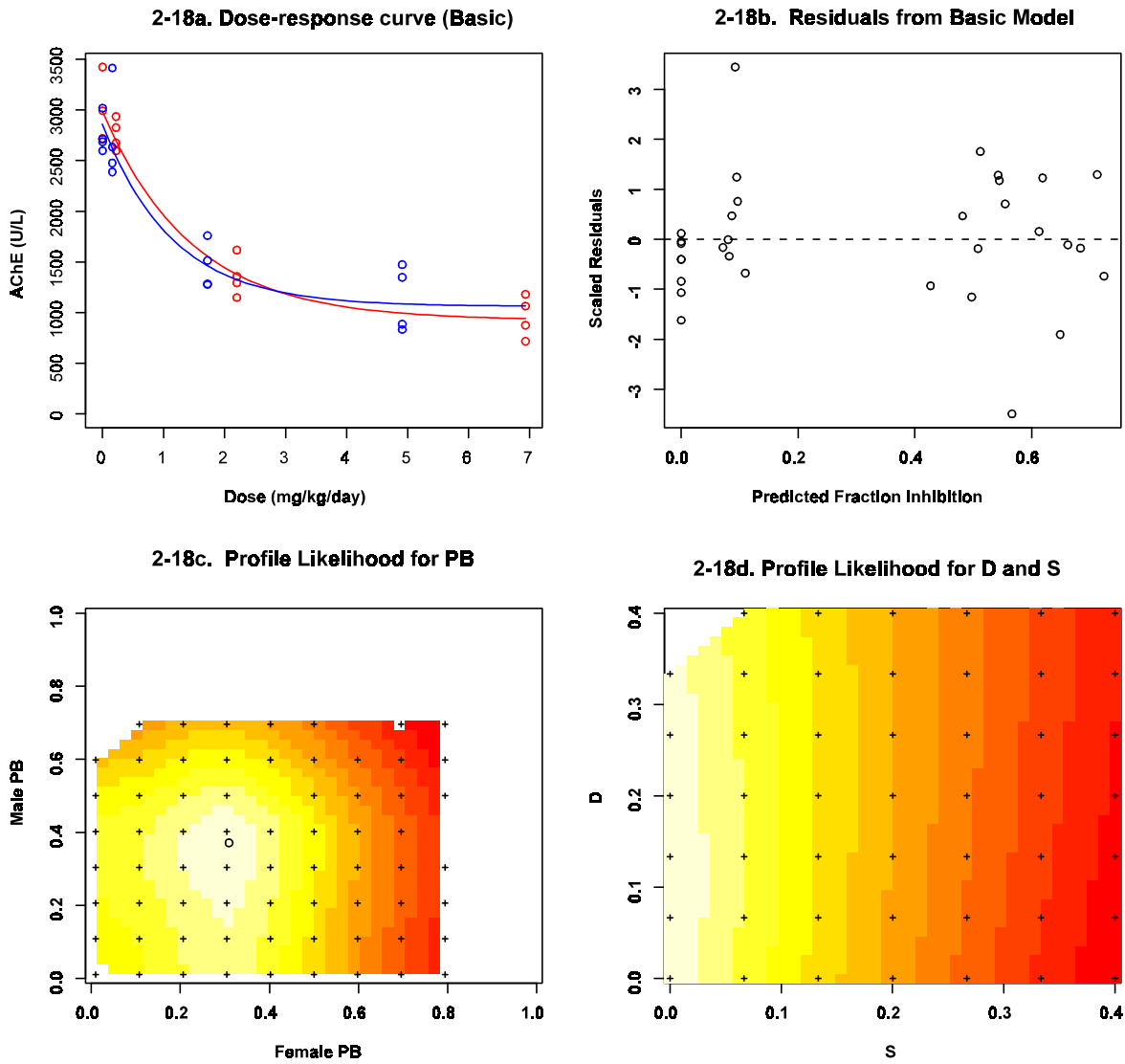
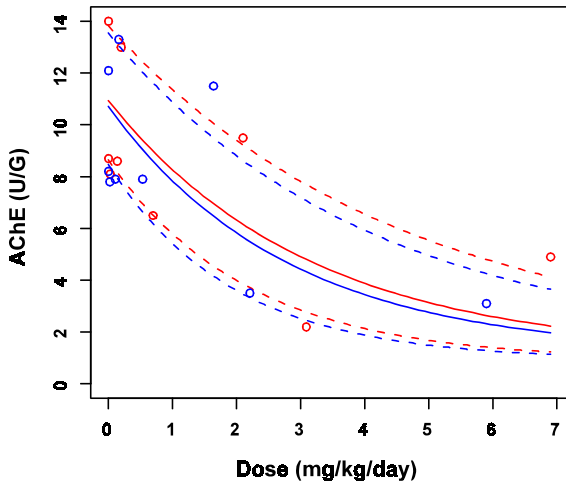


Table III.B.2-18. Methyl Parathion: Toxicology Profile Table

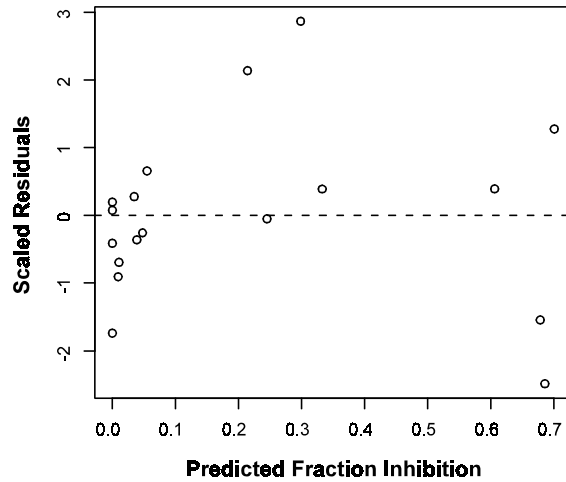
Methyl Parathion						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
00074299	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	001882	0/0, 0.20/0.16, 2.10/1.64, 6.90/5.90 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
43490501	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	012073	0, 0.03, 0.25, 2.5 mg/kg/day	Guideline	Rat/ Sprague Dawley
41853801	83-1 (870.4100)	Chronic Oral Toxicity with Special Focus on Sciatic Nerve Effects	010333	0, 0.03/0.02, 0.14/0.11, 0.70/0.53, 3.09/2.21 mg/kg/day (females/males)	Nonguideline	Rat/ Sprague Dawley

Figure III.B.2-19. Methyl-parathion: Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

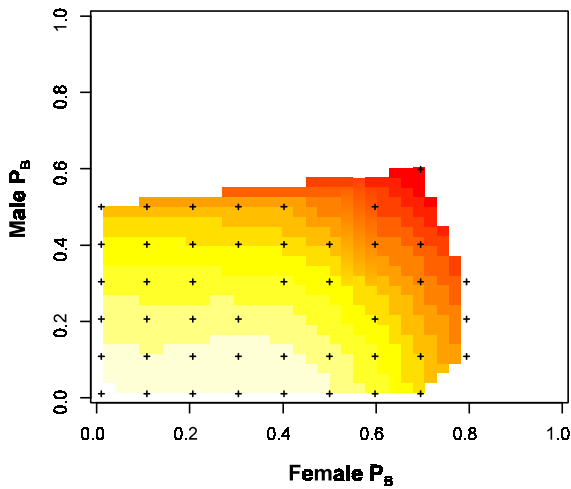
2-19a. Dose-response curve (Basic)



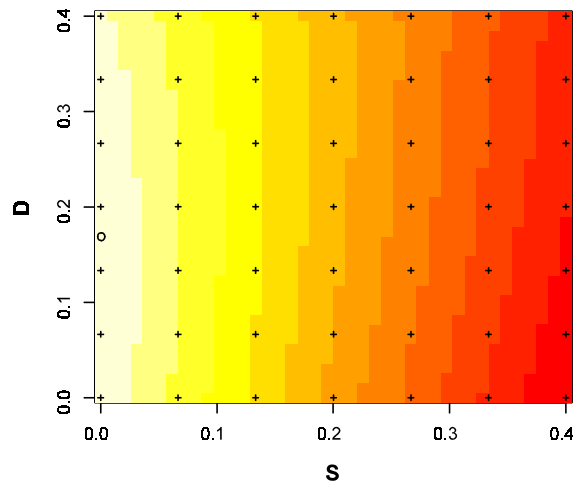
2-19b. Residuals from Basic Model



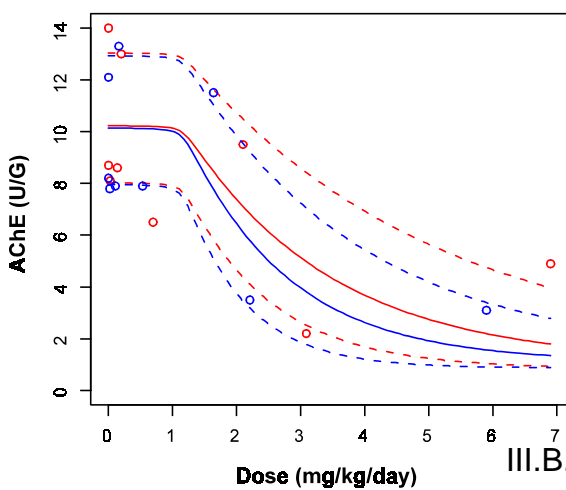
2-19c. Profile Likelihood for P_B



2-19d. Profile Likelihood for D and S



2-19e. Dose-response curve (Expanded)



2-19f. Residuals from Model w/Low Dose Curvature

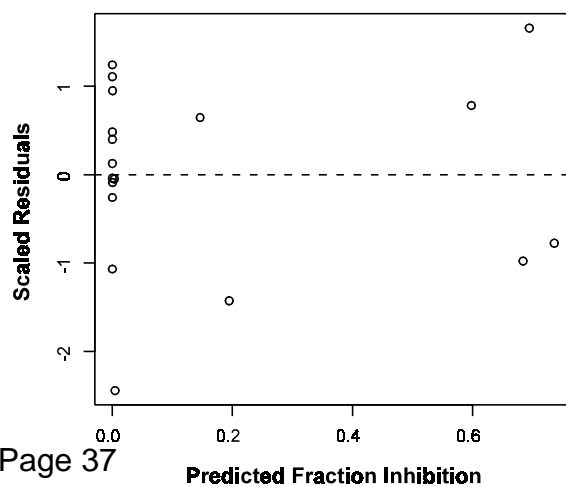


Table III.B.2-19. Mevinphos: Toxicology Profile Table

Mevinphos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
42588501	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	015801	0/0, 0.011/0.056, 0.056/0.56, 0.56/1.12, 0.84/1.67 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
45099101	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	014518	0/0, 0.03/0.03, 0.35/0.35, 0.60/0.70 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
43088601 Not used in analysis	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	In review	MRID deleted because female controls died prior to termination	In review	Rat/ Sprague Dawley

Figure III.B.2-20. Mevinphos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

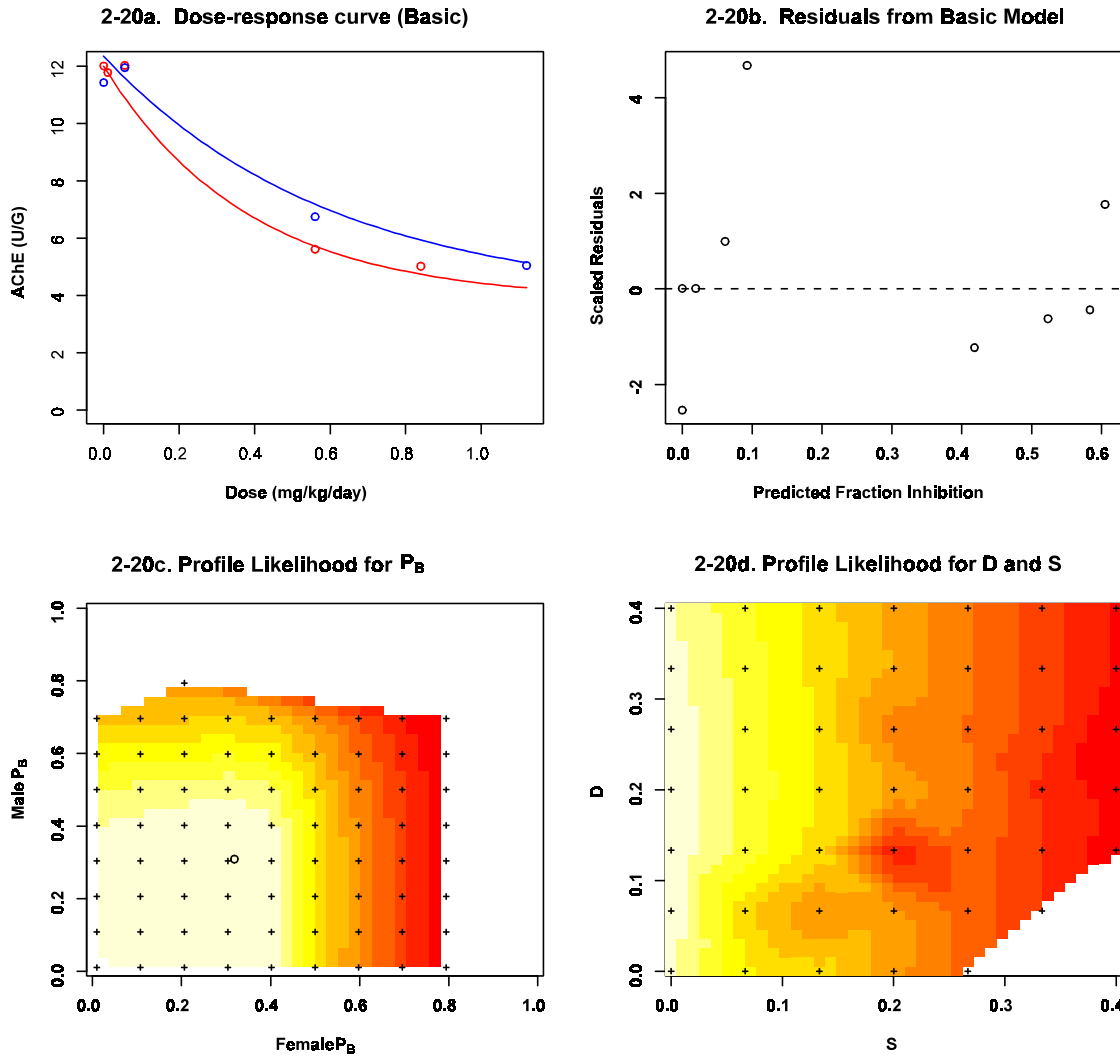


Table III.B.2-20. Naled: Toxicology Profile Table

Naled						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
45222001	82-2 (870.3200)	28-Day Dermal Toxicity–Rat	0144336	0, 5, 10, 40 mg/kg/day	Guideline	Rat/Sprague Dawley
00160750	82-2 (870.3200)	28-Day Dermal Toxicity–Rat	5774	0, 1, 20, 80 mg/kg/day	Guideline	Rat/Sprague Dawley
00164224	82-4 (870.3465)	Subchronic Inhalation Toxicity–Rat	5784	0, 0.2, 1.2, or 6 µg/L	Guideline	Rat/ Fischer
00088871	82-1 (870.3100)	Four-Week Subchronic Oral (Gavage) Toxicity–Rat	1460	0, 0.25, 1, 10, 100 mg/kg/day (gavage)	Supplementary	Rat/Sprague Dawley
00141784	83-5 (870.4300)	Combined Chronic Oral (Gavage) Toxicity/Carcinogenicity–Rat	002997 004128 004521	0, 0.2, 2, 10 mg/kg/day (gavage)	Guideline	Rat/Sprague Dawley
40087201	82-4 (870.3465)	21-Day Inhalation Toxicity–Rat	004580 006709	0 (air), 4, 8, 16 µg/L (nominal) actual chamber concentration: 0, 3.4, 7.2, 12.1 µg/L	Supplementary	Rat/ Fischer

Figure III.B.2-21. Naled: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

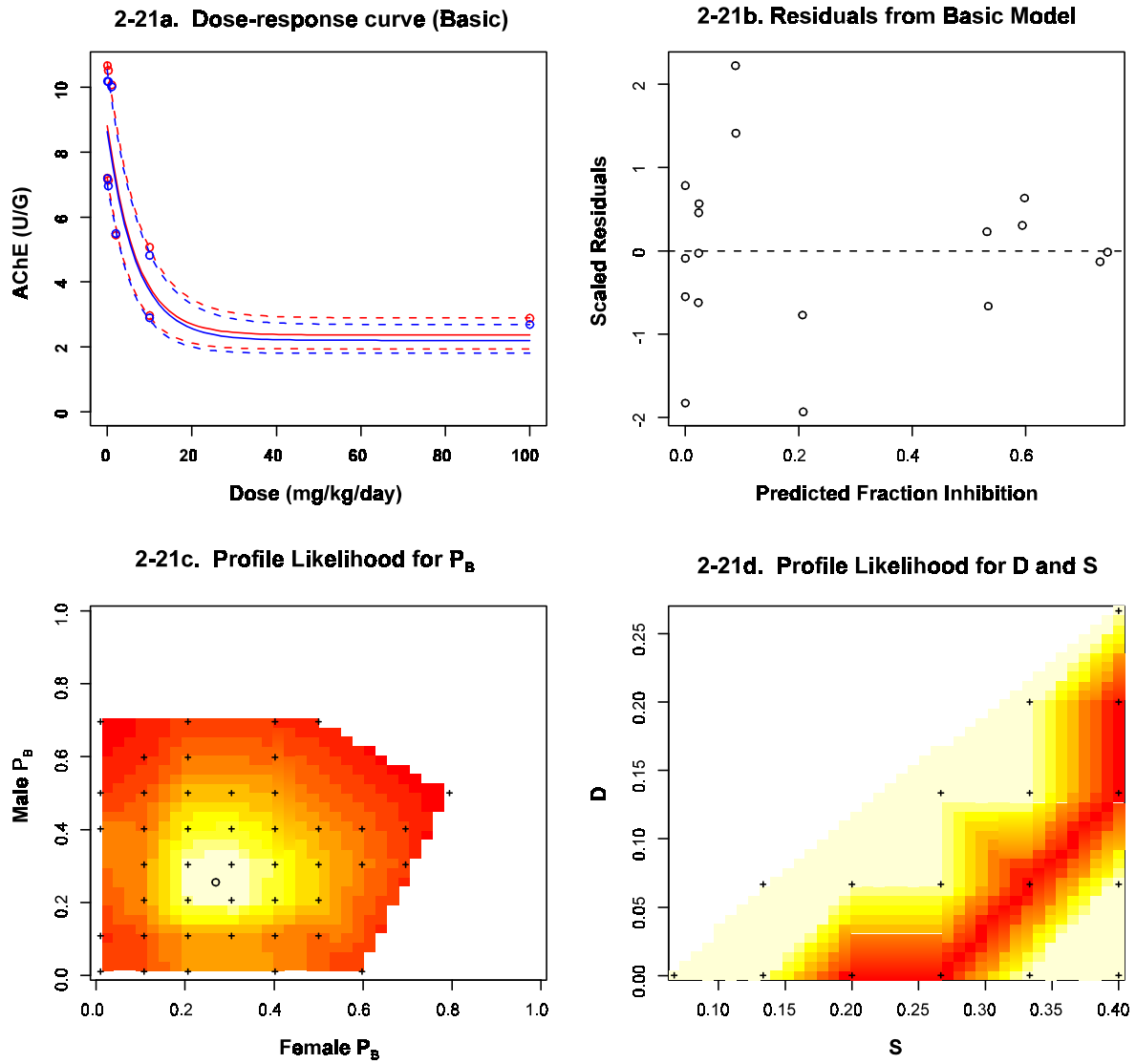
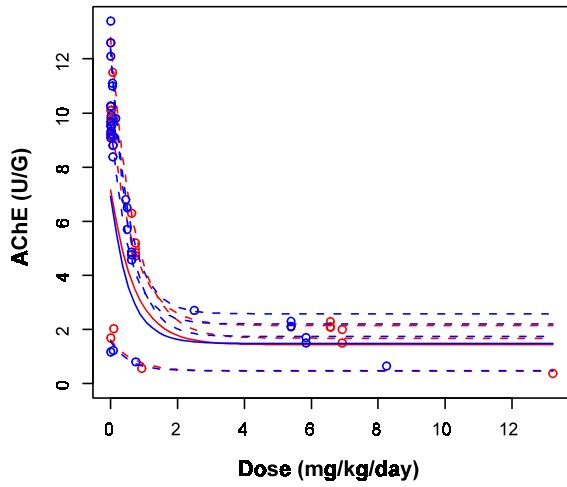


Table III.B.2-21. Oxydemeton-methyl: Toxicology Profile Table

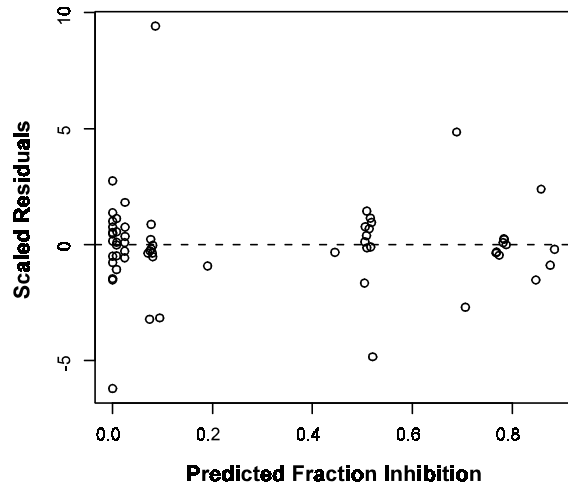
Oxydemeton-methyl						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
00151806	83-5 870.4300	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	005174 005752 009544	0/0, 0.06/0.05, 0.62/0.49, 6.92/5.84 mg/kg/day (females/males)	Guideline	Rat/ Fischer
00143351	82-1 870.3100	Subchronic Oral Toxicity–Rat	005752	0/0, 0.09/0.08, 0.93/0.75, 13.22/8.25 mg/kg/day (females/males)	Supplementary	Rat/ SPF
41834002		Special NTP Study	012221	0, 0.15, 0.45 or 2.5 mg/kg/day (males only)	Nonguideline	Rat/ Sprague Dawley
44141301	82-1 870.3100	Subchronic Oral Toxicity (13-week Cholinesterase Study)–Rat	012216	0/0, 0.0073/0.006, 0.0224/0.0184, 0.074/0.0616, 0.7475/0.6201, 6.5697/5.3925 mg/kg/day (females/males)	Nonguideline	Rat/ Sprague Dawley
44189501 Not used in analysis	82-7 870.6200	Subchronic Neurotoxicity–Rat	012212	MRID deleted because it is a duplicate of MRID 44141301	Guideline	Rat/ Sprague Dawley

Figure III.B.2-22. Oxydemeton-methyl: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plot For P_B

2-22a. Dose-response curve (Basic)



2-22b. Residuals from Basic Model



2-22c. Profile Likelihood for P_B

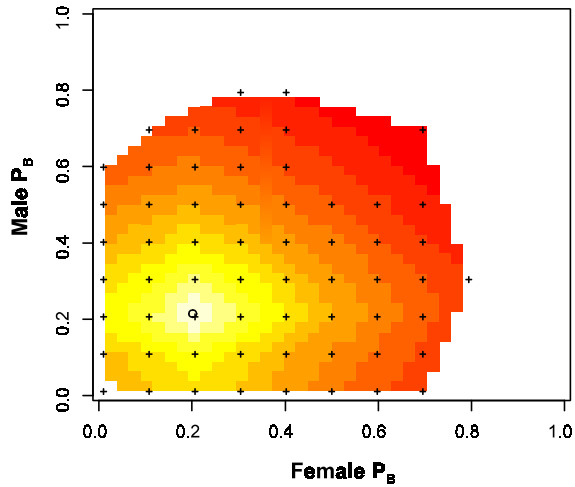


Table III.B.2-22. Phorate: Toxicology Profile Table

Phorate						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
44895302	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	13767	0/0, 0.04/0.04, 0.08/0.07, 0.33/0.54 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
44895301	82-1 (870.3100)	Rangefinding Neurotoxicity–Rat	137767	0/0, 0.10/0.09, 0.20/0.19, 0.52/0.69 mg/kg/day (females/males)	Supplementary	Not Stated
125233 Not used in analysis	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	013731	MRID deleted due to data quality issues	Guideline	Rat/Sprague Dawley

Figure III.B.2-23. Phorate: Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

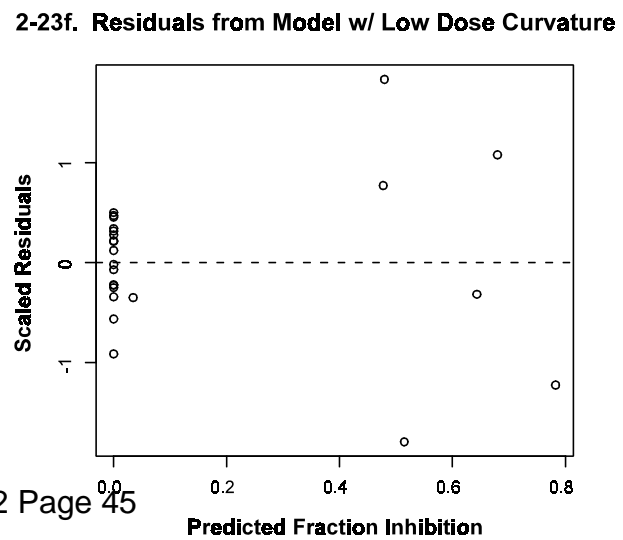
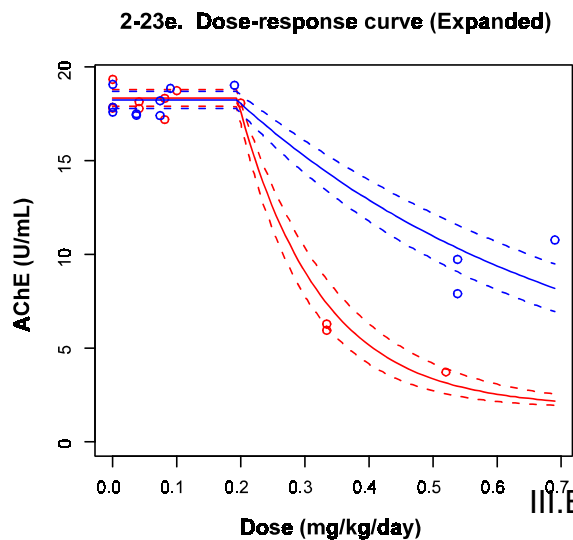
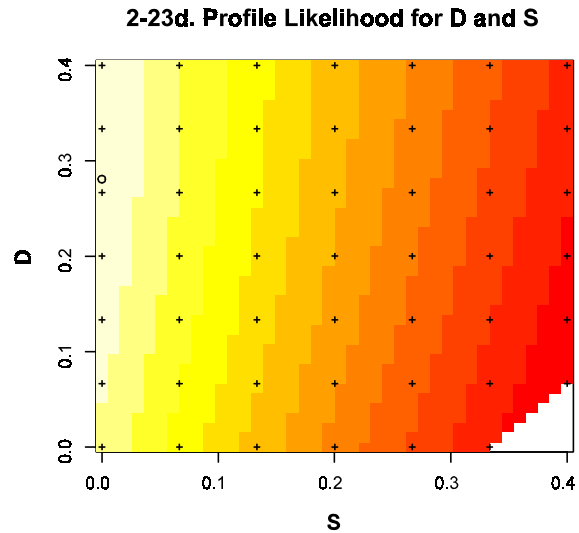
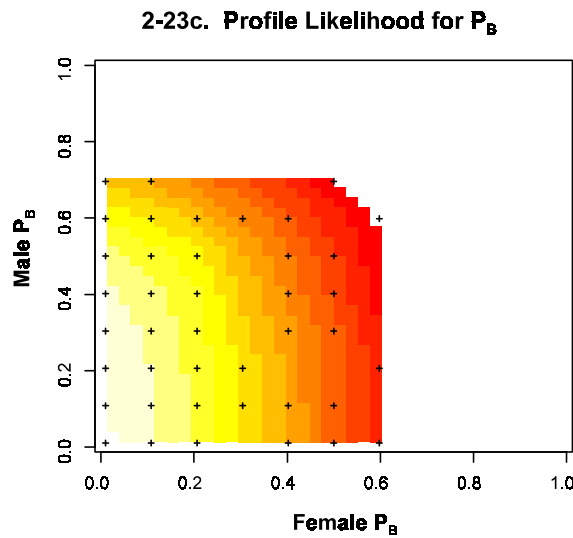
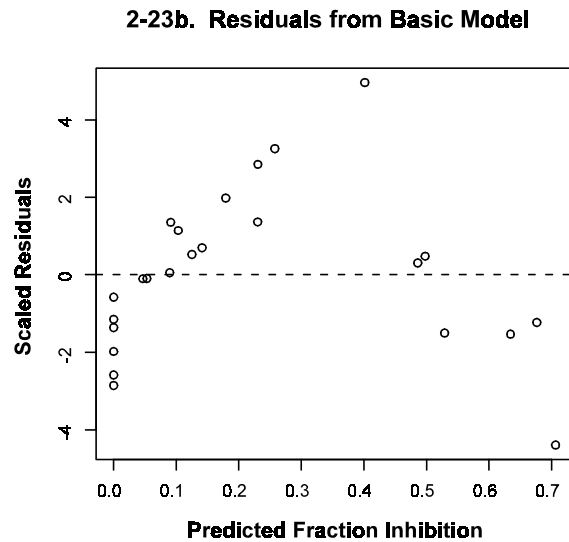
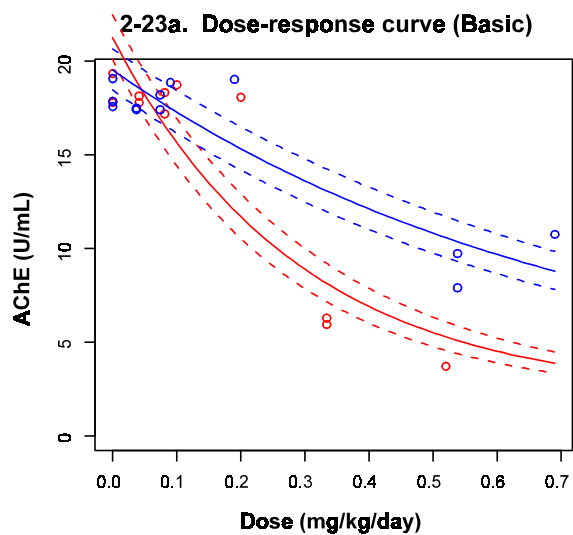


Table III.B.2-23. Phosalone: Toxicology Profile Table

Phosalone						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
44801002	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity—Rat	13753	0/0, 0.28/0.23, 2.87/2.19, 46.54/31.82 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
44852504	82-7 (870.6200)	Subchronic Neurotoxicity—Rat	13753	0/0, 5/4.6, 14.70/13.80, 61.90/55.80 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley

Figure III.B.2-24. Phosalone: Dose-response Curve Using the Basic Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

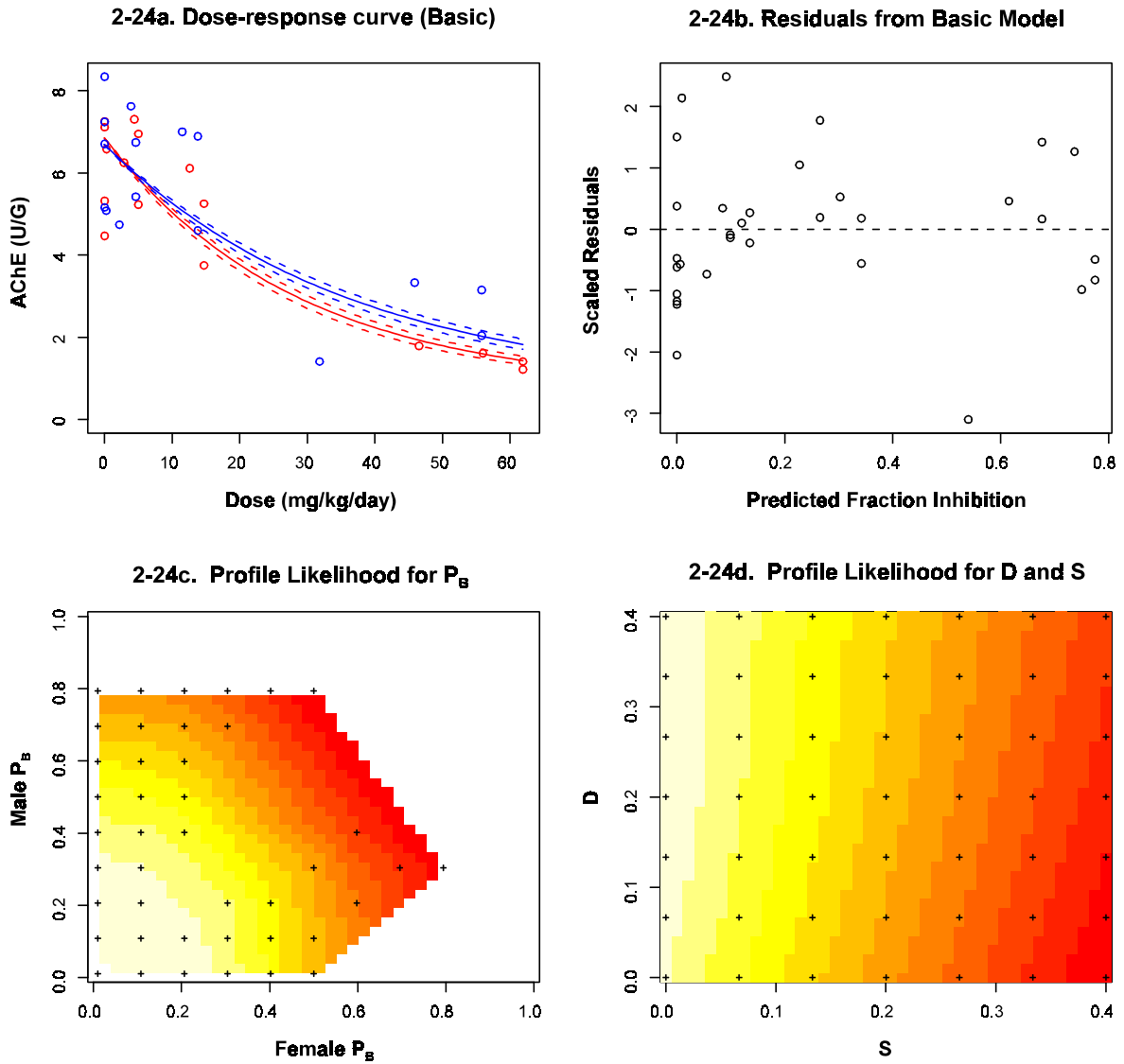
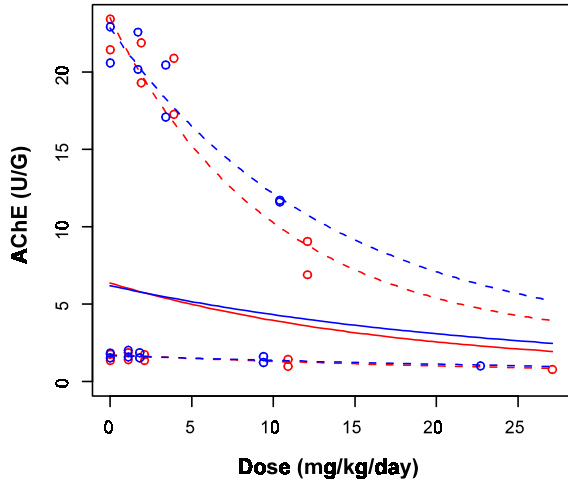


Table III.B.2-24. Phosmet: Toxicology Profile Table

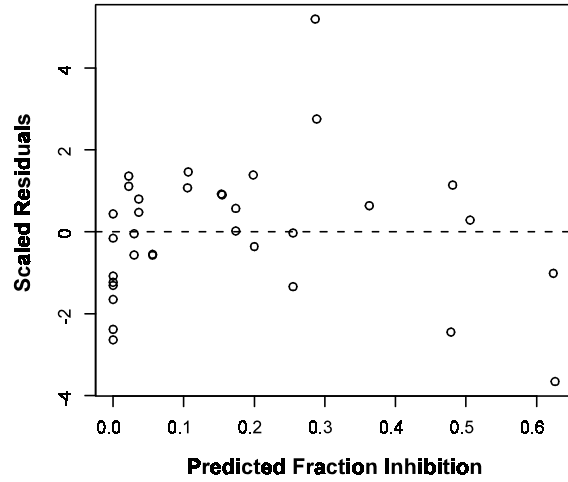
Phosmet						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
41916401	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	9828 10756	0/0, 1.1/1.1, 2.1/1.8, 10.9/9.4, 27.1/22.7 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
44811801	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	13522	0/0, 1.9/1.7, 3.9/3.4, 12.1/10.4 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley

Figure III.B.2-25. Phosmet: Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

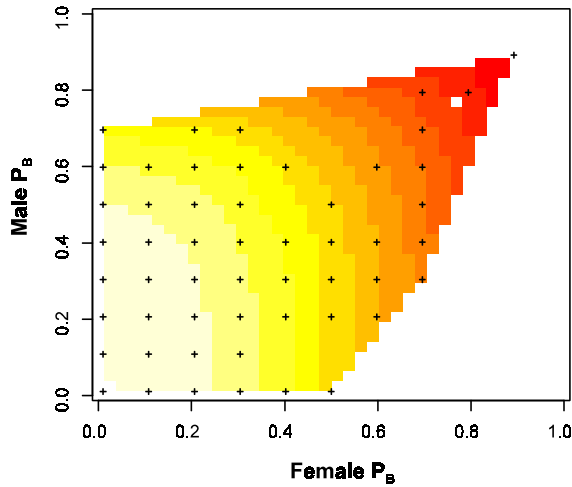
2-25a. Dose-response curve (Basic)



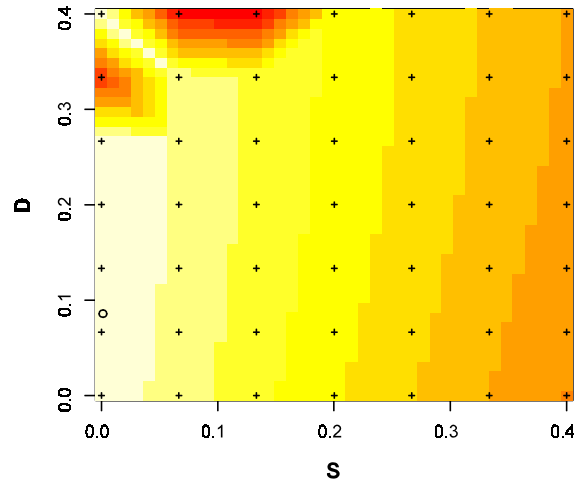
2-25b. Residuals from Basic Model



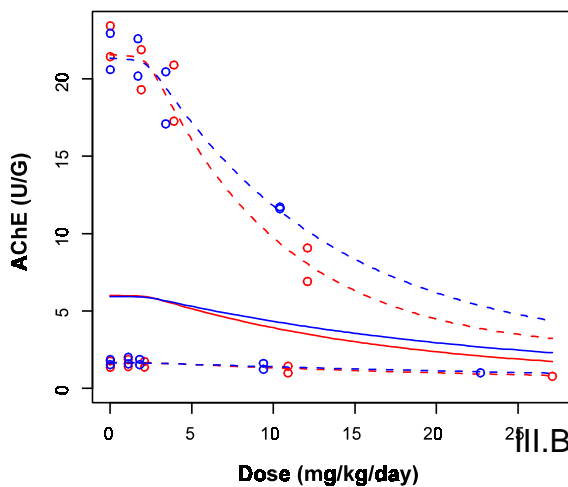
2-25c. Profile Likelihood for P_B



2-25d. Profile Likelihood for D and S



2-25e. Dose-response curve (Expanded)



2-25f. Residuals from Model w/Low Dose Curvature

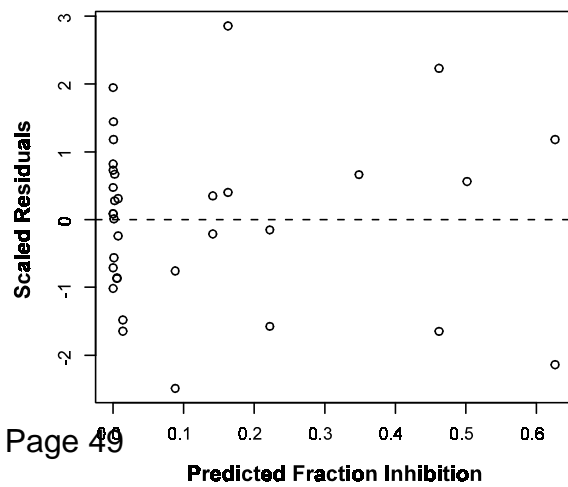


Table III.B.2-25. Pirimiphos-methyl: Toxicology Profile Table

Pirimiphos-methyl						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
00129343	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	014067 3582	0, 0.25, 0.40, 0.50, 2.50 mg/kg/day	Guideline	Rat/ Wistar
43608201	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	12054	0/0, 0.2/0.2, 2.4/2.1, 24.7/21.1 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
92147035	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	14067 3582 5105 8819	0/0,0.4/0.4, 2.1/2.1, 12.6/12.6 mg/kg/day	Guideline	Rat/ Wistar

Figure III.B.2-26. Pirimiphos-methyl: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

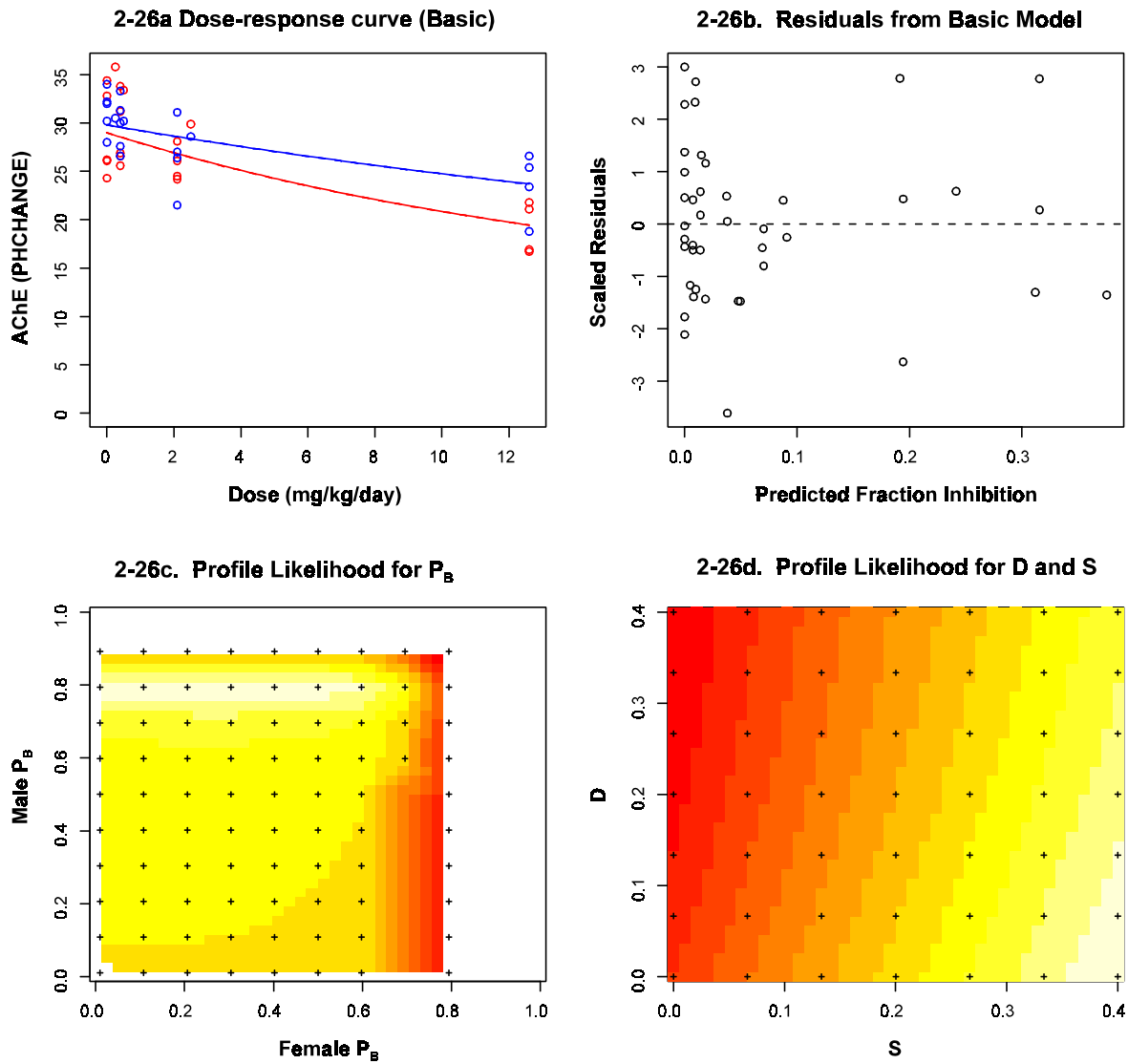


Table III.B.2-26. Terbufos: Toxicology Profile Table

Terbufos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
00109446	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	002377 005612	0/0, 0.01/0.01, 0.02/0.02, 0.05/0.04, 0.095/0.08 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
40089602	83-1 (870.4100)	Chronic Oral Toxicity–Rat	006352	0/0, 0.009/0.007, 0.04/0.03, 0.07/0.06 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley
00049236	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity–Rat	004898 003847 001514 005612 006352	0/0, 0.01/0.01, 0.05/0.04, 0.22/0.33 mg/kg/day (females/males)	Guideline	Rat/ Long Evans
44842302	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	013572	0/0, 0.04/0.04, 0.06/0.06, 0.25/0.37 mg/kg/day (females/males)	Guideline	Rat/ Sprague Dawley

Figure III.B.2-27. Terbufos: Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

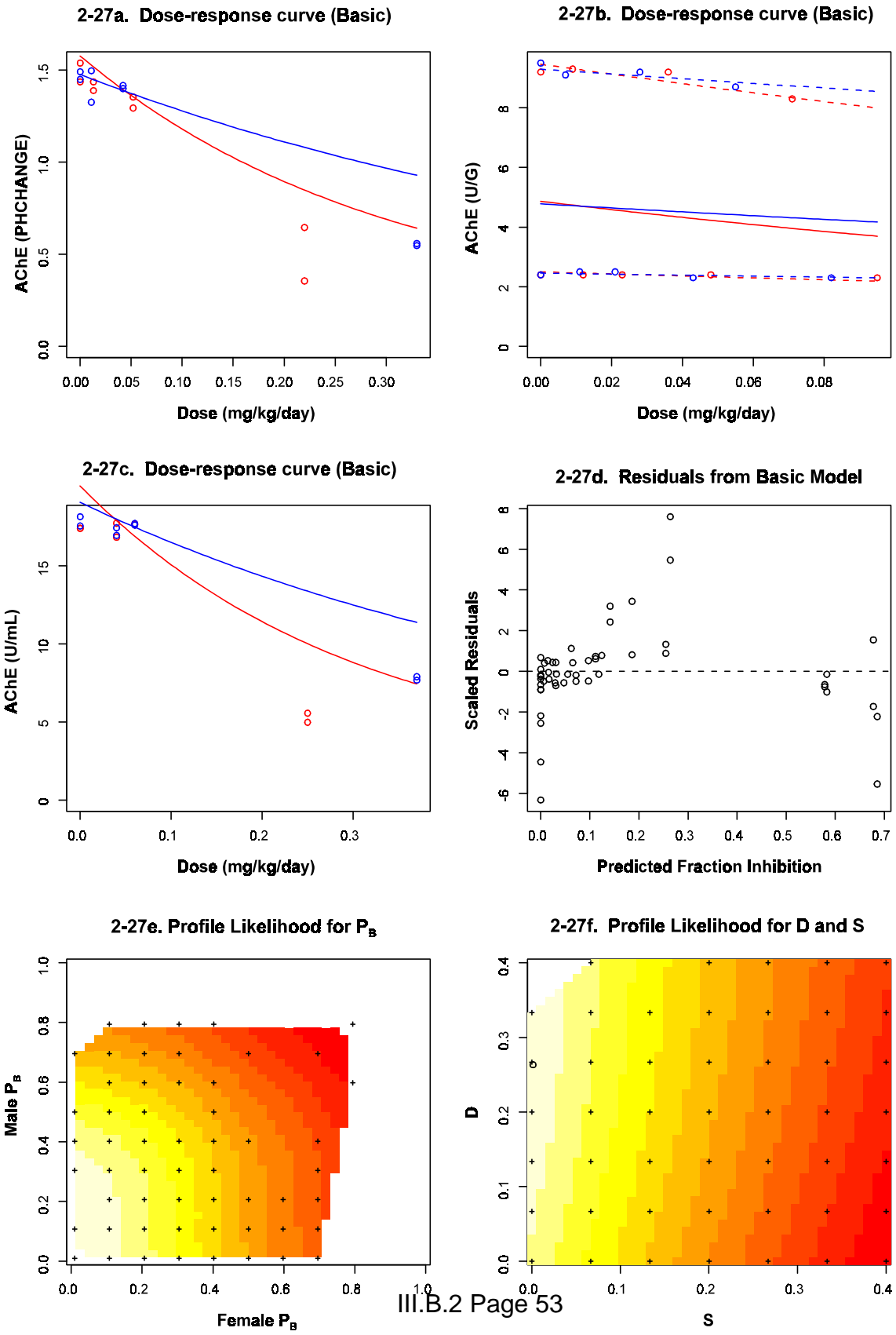


Figure III.B.2-27 con't. Terbufos Dose-response Curve Using the Basic and Expanded Models, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

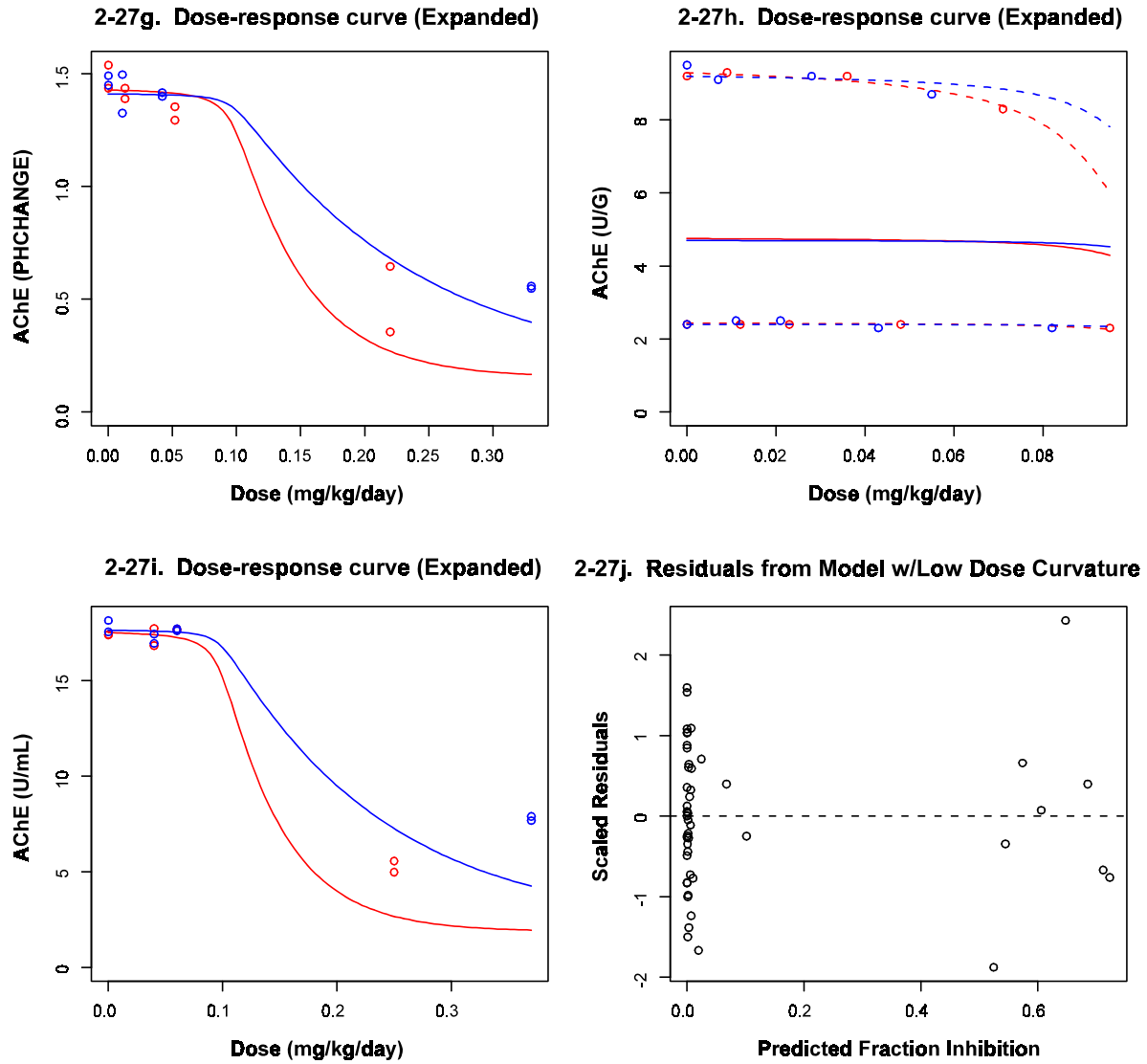


Table III.B.2-27. Tetrachlorvinphos: Toxicology Profile Table

Tetrachlorvinphos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
41342001	82-2 (870.3200)	21-Day Dermal Toxicity–Rat	7844	0, 10, 100, 1000 mg/kg/day	Guideline	Rat/Sprague Dawley
43371201	82-1 (870.3100)	Subchronic Oral Toxicity–Rat	11295	0, 5, 100, 250 mg/kg/day	Guideline	Rat/Sprague Dawley
00112525	83-2 (870.4200)	Chronic Oral Toxicity–Rat	002607 007181	0, 0.25, 1.25, 6.25, 100 mg/kg/day	Guideline	Rat/ Porton strain derived from Turnstall Lab
42980901	83-2 (870.4200)	Chronic Oral Toxicity–Rat	010884 010884 011295	0/0, 5.93/4.23, 62.7/43.2, 125.3/88.5 mg/kg/day (females/males)	Guideline	Rat/Sprague Dawley

Figure III.B.2-28. Tetrachlorvinphos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

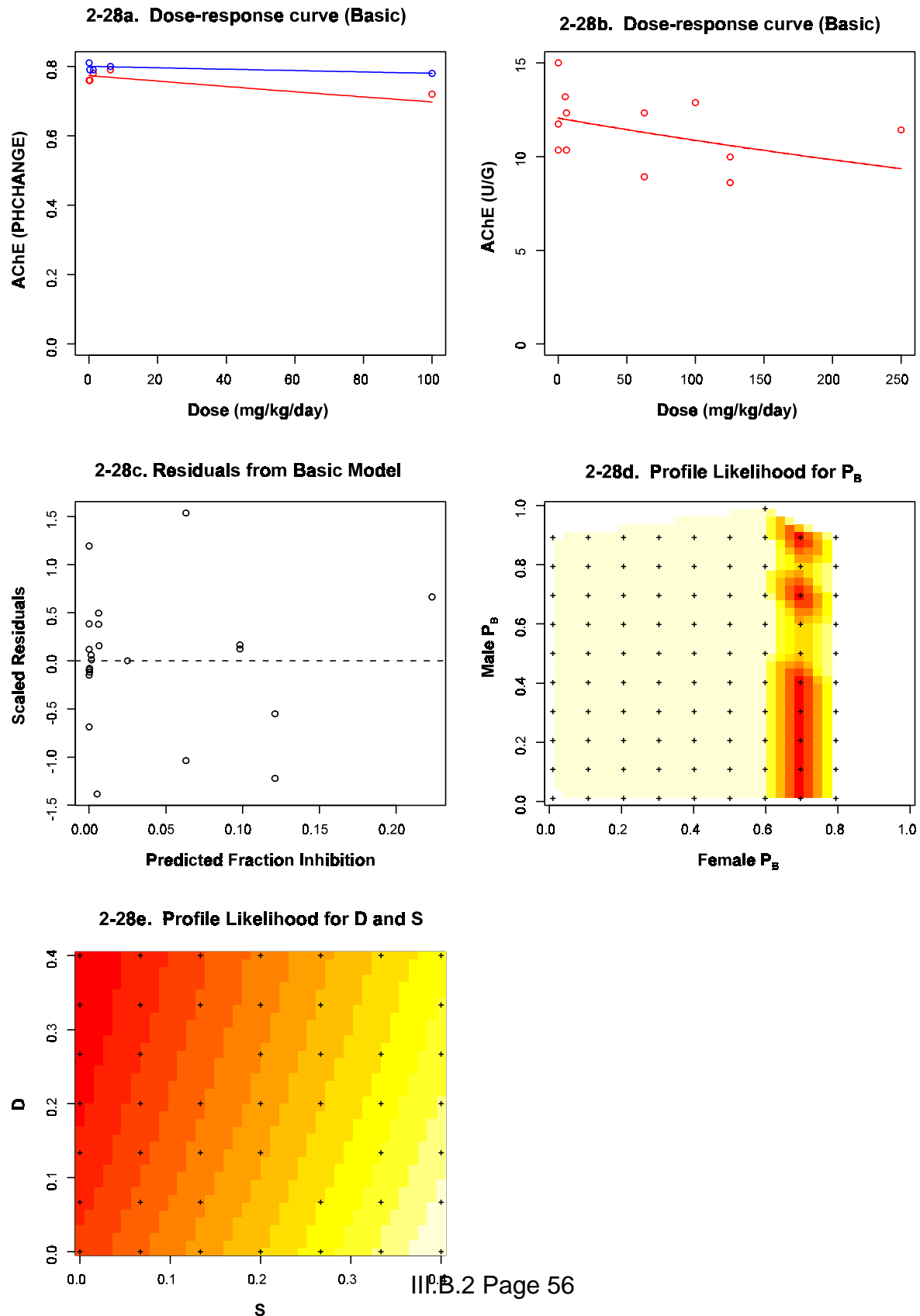


Table III.B.2-28. Tribufos: Toxicology Profile Table

Tribufos						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
42335101	83-5 (870.4300)	Combined Chronic Oral Toxicity/Carcinogenicity/Neurotoxicity–Rat	010119	0/0, 0.2/0.2, 2.3/1.8, 21.1/16.8 mg/kg/day (females/males)	Guideline	Rat/Fischer

Figure III.B.2-29. Tribufos: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

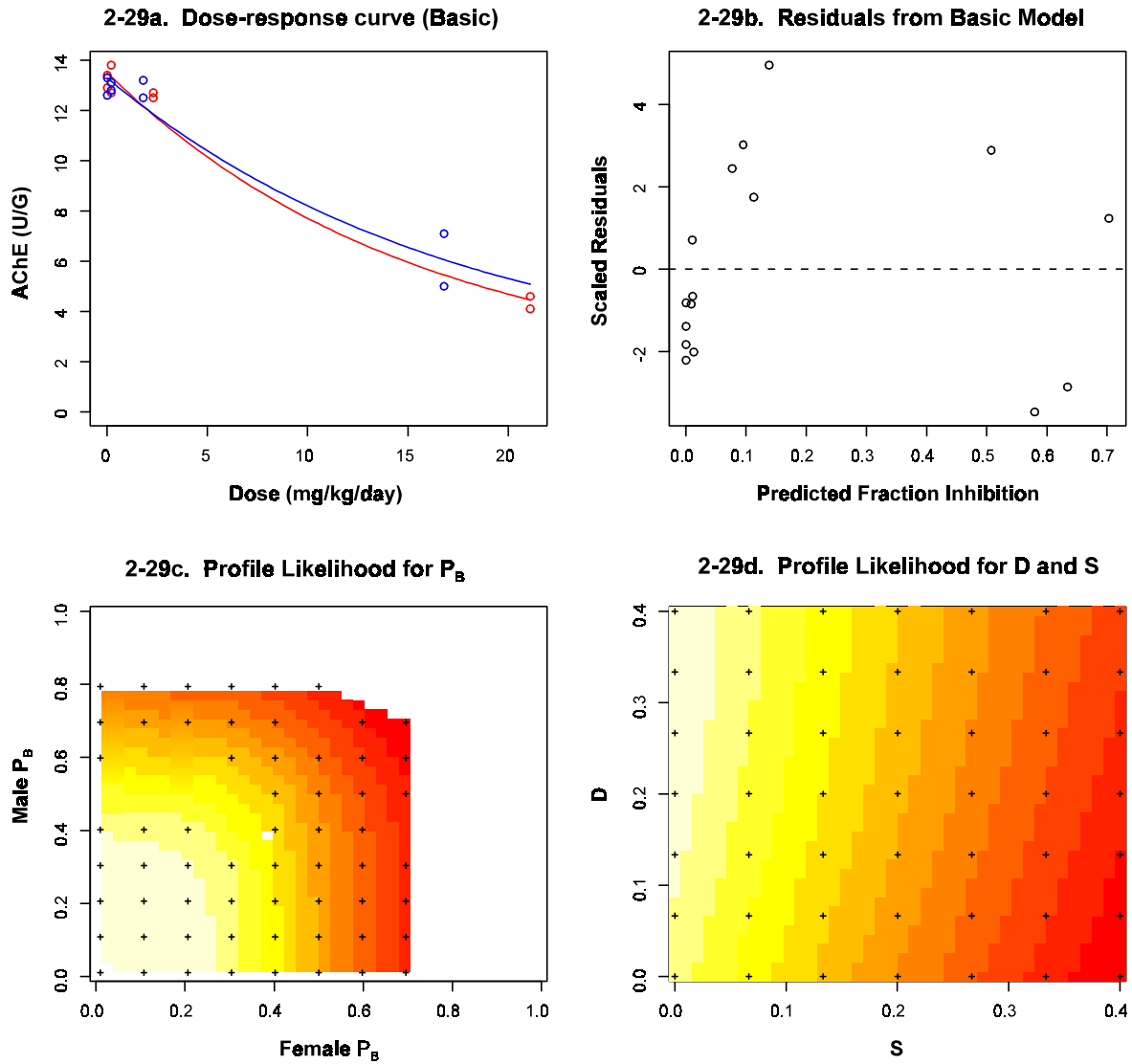


Table III.B.2-29. Trichlorfon: Toxicology Profile Table

Trichlorfon						
MRID #	Guideline No.	Study Type	HED Doc. No.	Dose	Guideline/ Nonguideline	Species/ Strain
40306901	82-2 (870.3200)	21-Day Dermal Toxicity–Rabbit	6476	0, 100, 300, 1000 mg/kg/day	Guideline	Rabbit/New Zealand
43871701	82-7 (870.6200)	Subchronic Neurotoxicity–Rat	13967	0/0, 6.9/6.1, 35.4/31.2, 188.7/164.7 mg/kg/day (females/males)	Guideline	Rat/ Fischer
00152137	82-4 (870.3465)	21-Day Inhalation Toxicity–Rat	004509 004915	0 (EtON/PEG), 12.7, 35.4, 103.5 mg/m ³	Guideline	Rat/ SPF Wistar
41056201	83-5 (870.4300)	Combined Chronic Oral Toxicity/ Carcinogenicity–Rat	9626	0/0, 5.8/4.5, 17.4/13.3, 109.2/85.7 mg/kg/day (females/males)	Guideline	Rat/ Fischer

Figure III.B.2-30. Trichlorfon: Dose-response Curve Using the Basic Model, Plot of the Scaled Residuals Versus Predicted Inhibition, and the Profile Likelihood Plots for P_B , D , and S

