1,1-Dichloroethylene (Rat, 25ppm for 3h in EB) 20 Observed Concentrations (uM) 5 5.0 7.5

Simulated Concentrations (uM) 0.0 2.5 10.0 12.5

1,1-Dichloroethylene (Rat, 75ppm for 3h in EB) 60 Observed Concentrations (uM) 20 10 20 Simulated Concentrations (uM) 30 0

1,1-Dichloroethylene (Rat, 150ppm for 3h in EB) 125-100-75-50-25 20 40
Simulated Concentrations (uM) 60

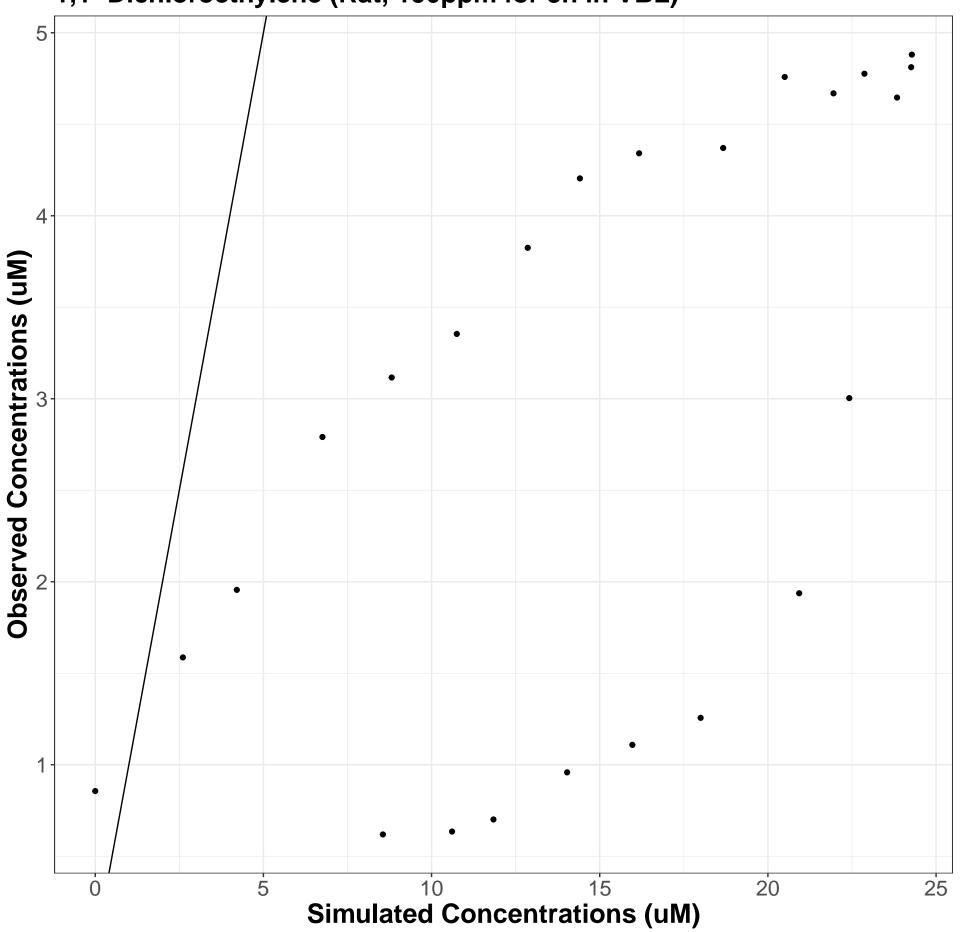
Observed Concentrations (uM)

1,1-Dichloroethylene (Rat, 300ppm for 3h in EB) Observed Concentrations (uM) 50 100
Simulated Concentrations (uM) 150

1,1-Dichloroethylene (Rat, 25ppm for 3h in VBL) Observed Concentrations (uM) 0.5 Simulated Concentrations (uM) 3

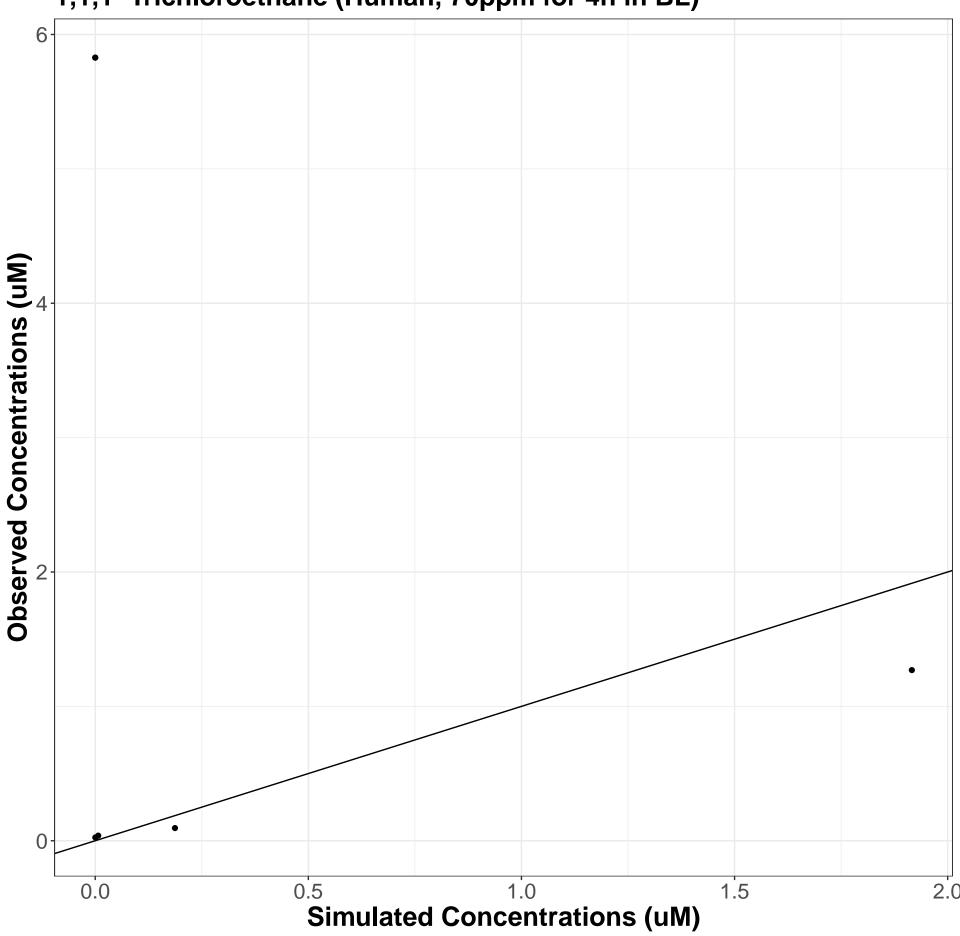
1,1-Dichloroethylene (Rat, 75ppm for 3h in VBL) Observed Concentrations (uM) Simulated Concentrations (uM) 12

1,1-Dichloroethylene (Rat, 150ppm for 3h in VBL)



1,1-Dichloroethylene (Rat, 300ppm for 3h in VBL) 40 Observed Concentrations (uM) 10 Simulated Concentrations (uM) 60

1,1,1–Trichloroethane (Human, 70ppm for 4h in BL)



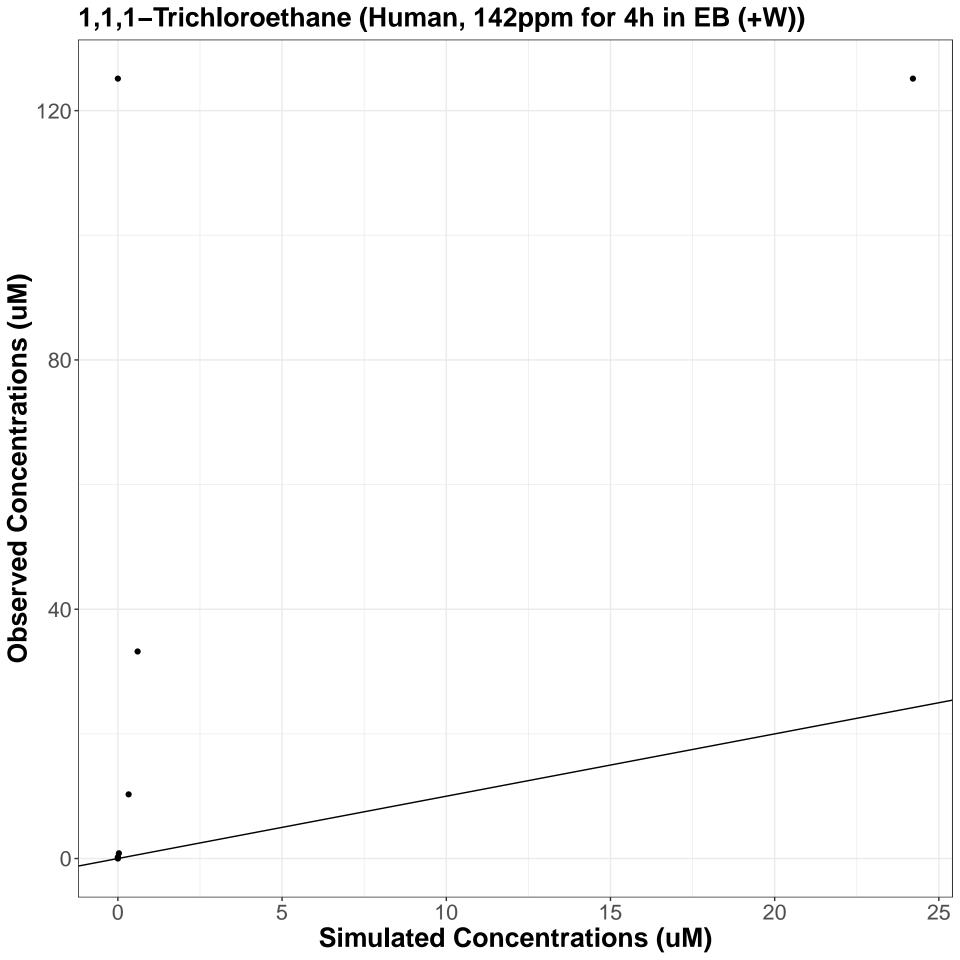
1,1,1-Trichloroethane (Human, 145ppm for 4h in BL) Observed Concentrations (uM) 0 0.5 Simulated Concentrations (uM) 0.0 1.5

1,1,1-Trichloroethane (Human, 142ppm for 4h in BL (+W)) 15-Observed Concentrations (uM) 0 O.5
Simulated Concentrations (uM) 0.0 1.0

1,1,1-Trichloroethane (Human, 70ppm for 4h in EB) 60 Observed Concentrations (uM) 0 0.000 -0.050-0.0250.025 0.0

Simulated Concentrations (uM)

1,1,1-Trichloroethane (Human, 145ppm for 4h in EB) 90 Observed Concentrations (uM) 0 -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**



1,1,1,2-Tetrafluoroethane (Human, 1000ppm for 1h in VBL) 7.5 Observed Concentrations (uM) 0.0 Simulated Concentrations (uM) 20

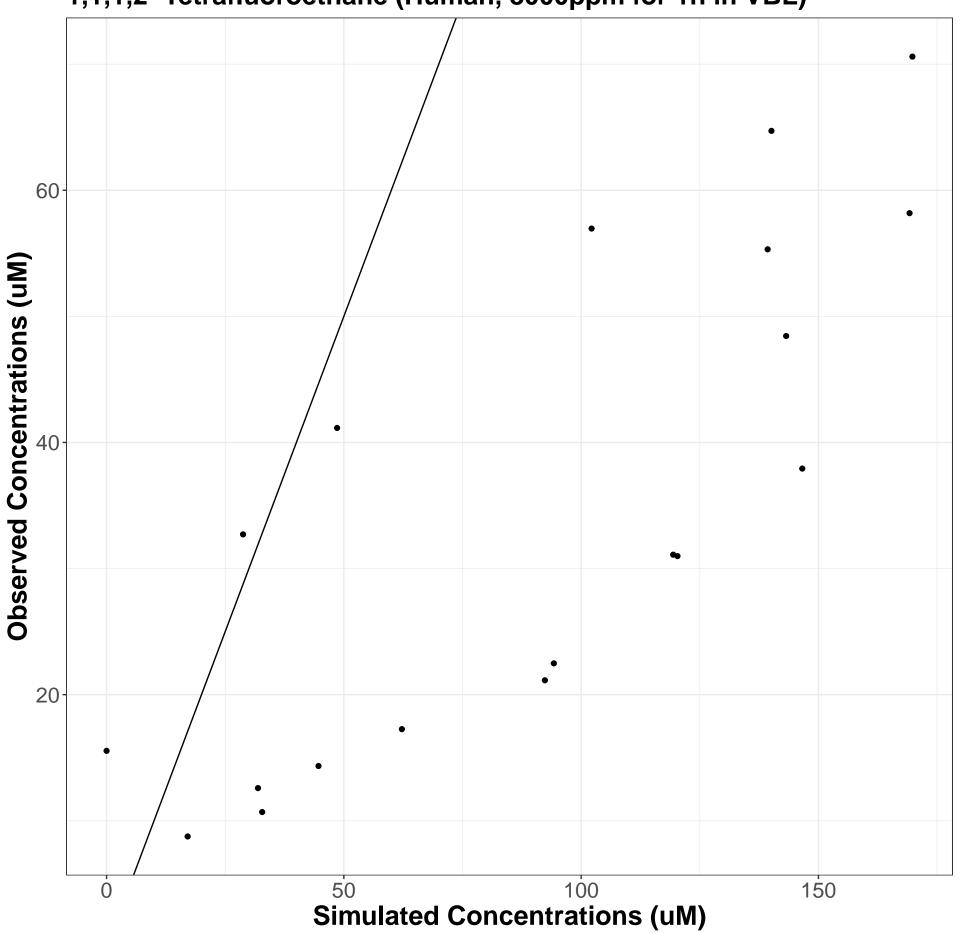
1,1,1,2-Tetrafluoroethane (Human, 2000ppm for 1h in VBL) 15 Observed Concentrations (uM) 5 Simulated Concentrations (uM) 10 40

1,1,1,2-Tetrafluoroethane (Human, 4000ppm for 1h in VBL)

Observed Concentrations (uM)

Simulated Concentrations (uM)

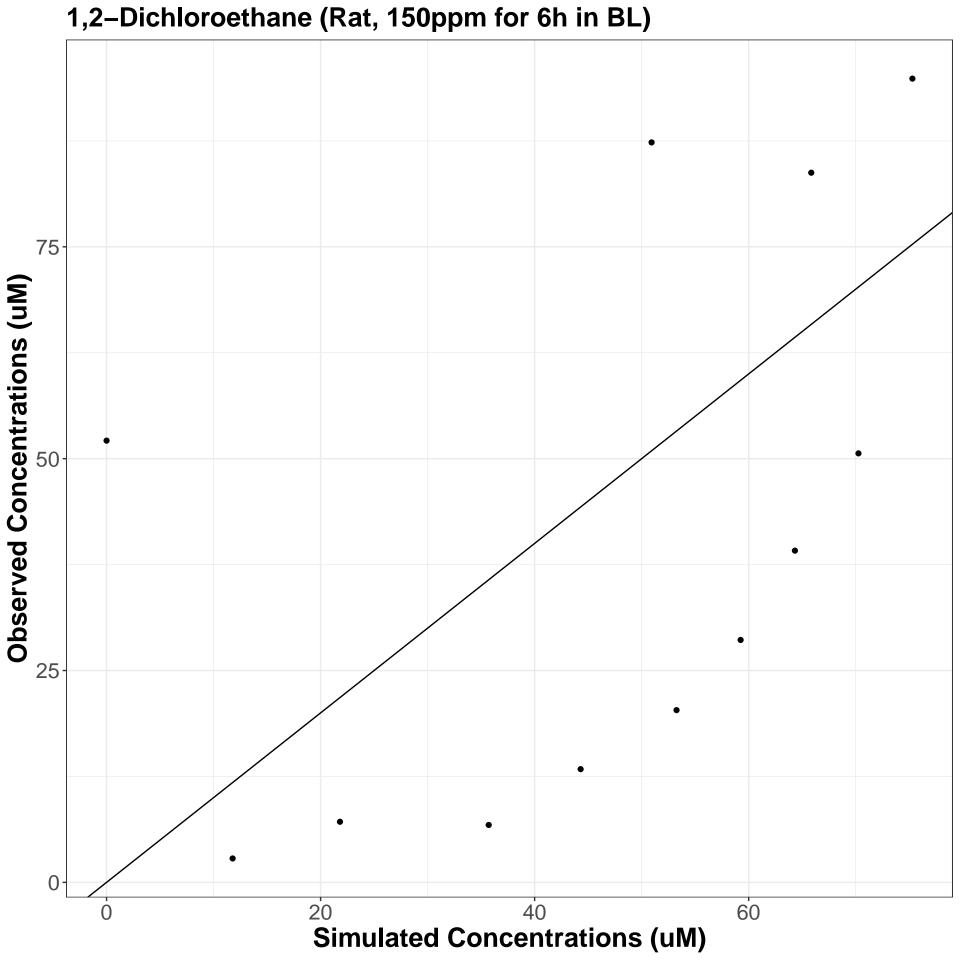
1,1,1,2-Tetrafluoroethane (Human, 8000ppm for 1h in VBL)



1,1,2-Trichloro-1,2,2-trifluoroethane (Human, 250ppm for 4h in VBL) Observed Concentrations (uM) 5
Simulated Concentrations (uM) 15

1,2-Dichloroethane (Rat, 50ppm for 6h in BL) Observed Concentrations (uM) 5.0 7.5

Simulated Concentrations (uM) 0.0 2.5 10.0 12.5



1,2-Dichloroethane (Rat, 200ppm for 6h in BL) Observed Concentrations (uM) **Simulated Concentrations (uM)**

1,2-Dichloroethane (Rat, 250ppm for 6h in BL) 300-Observed Concentrations (uM) 0 50 100
Simulated Concentrations (uM) 150

1,2-Dichloropropane (Rat, 5ppm for 6h in BL) 0.5 Observed Concentrations (uM) 0.3 0.5 1.0 Simulated Concentrations (uM) 0.0

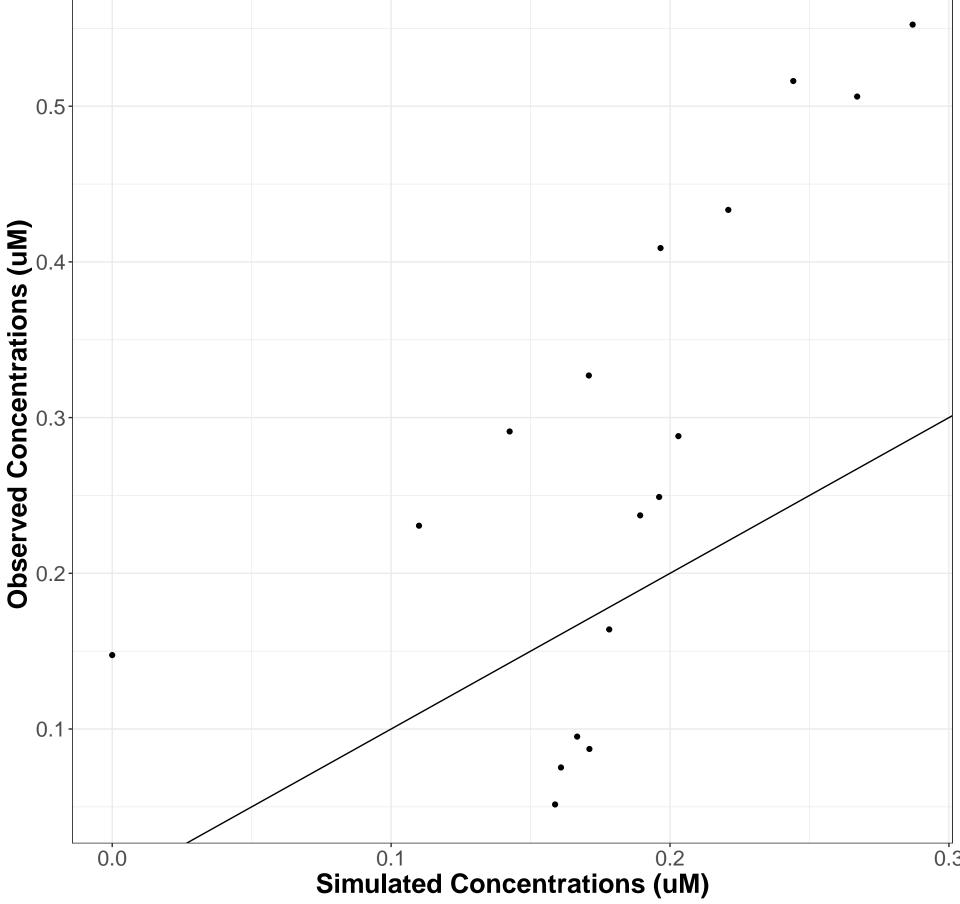
1,2-Dichloropropane (Rat, 50ppm for 6h in BL) 7.5 15

Observed Concentrations (uM)

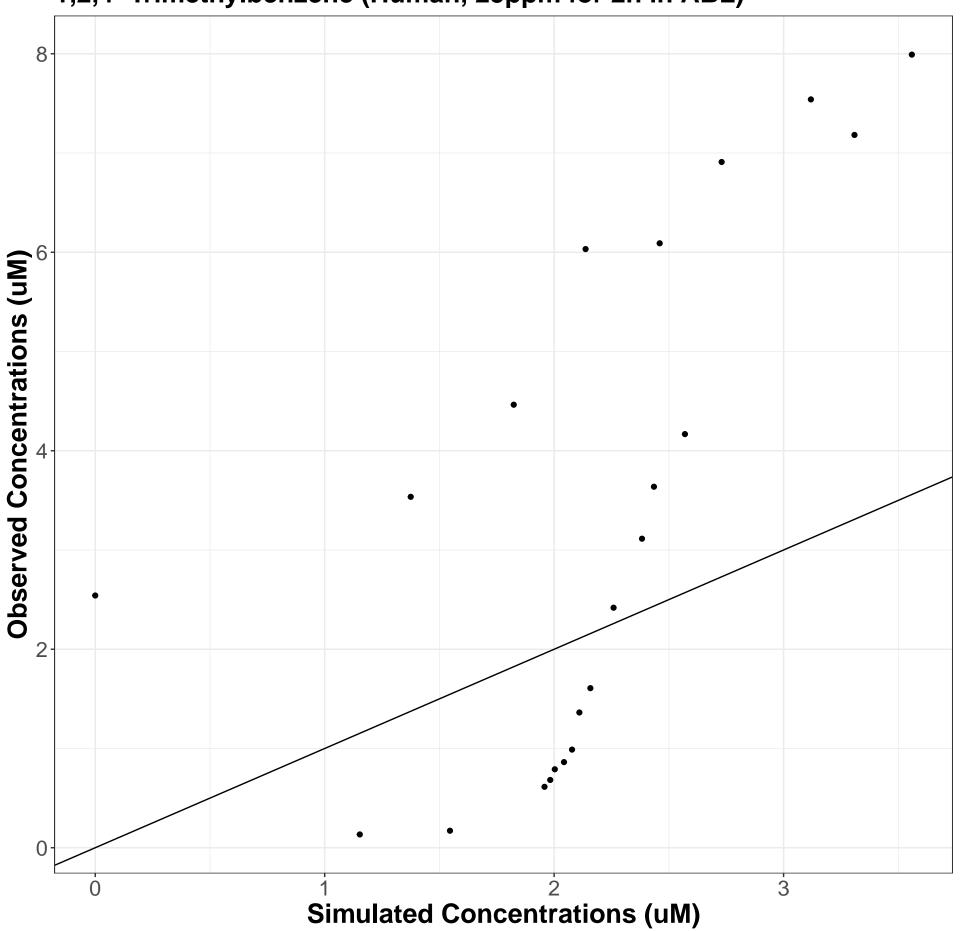
Simulated Concentrations (uM)

1,2-Dichloropropane (Rat, 100ppm for 6h in BL) 40 Observed Concentrations (uM) 10 10 20 Simulated Concentrations (uM) 30

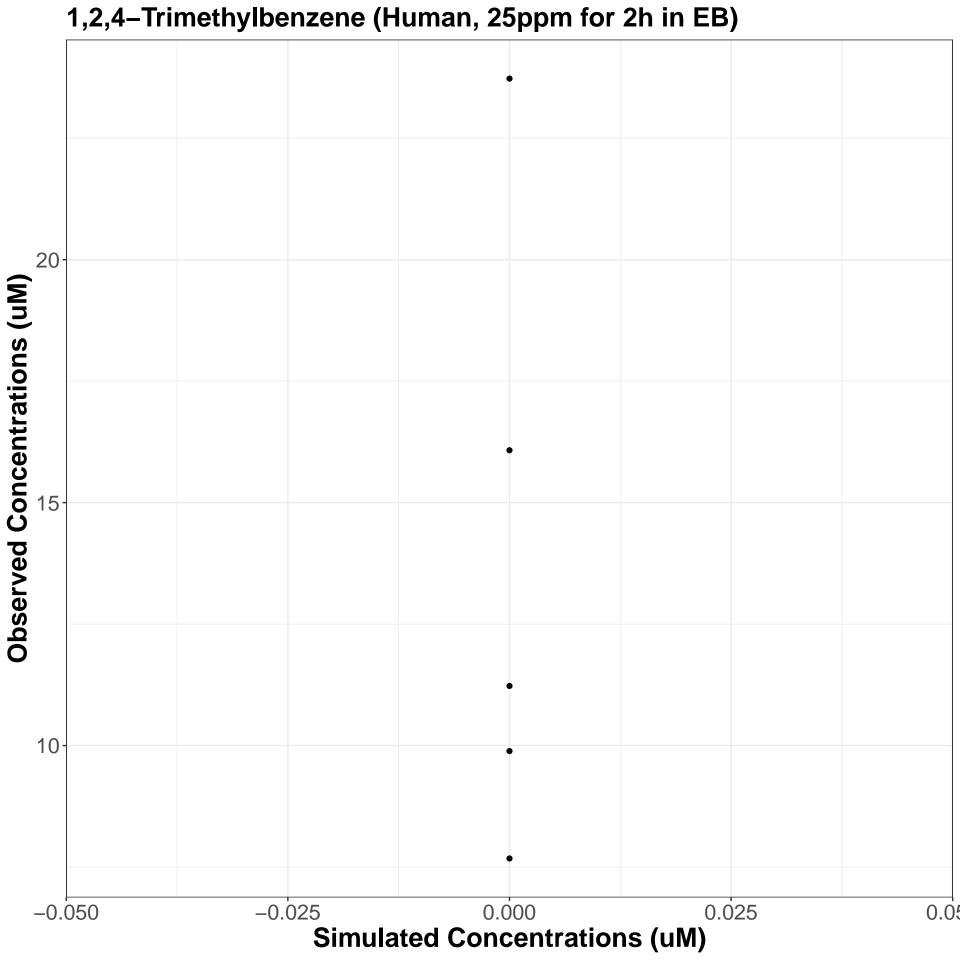
1,2,4-Trimethylbenzene (Human, 2ppm for 2h in ABL)



1,2,4-Trimethylbenzene (Human, 25ppm for 2h in ABL)

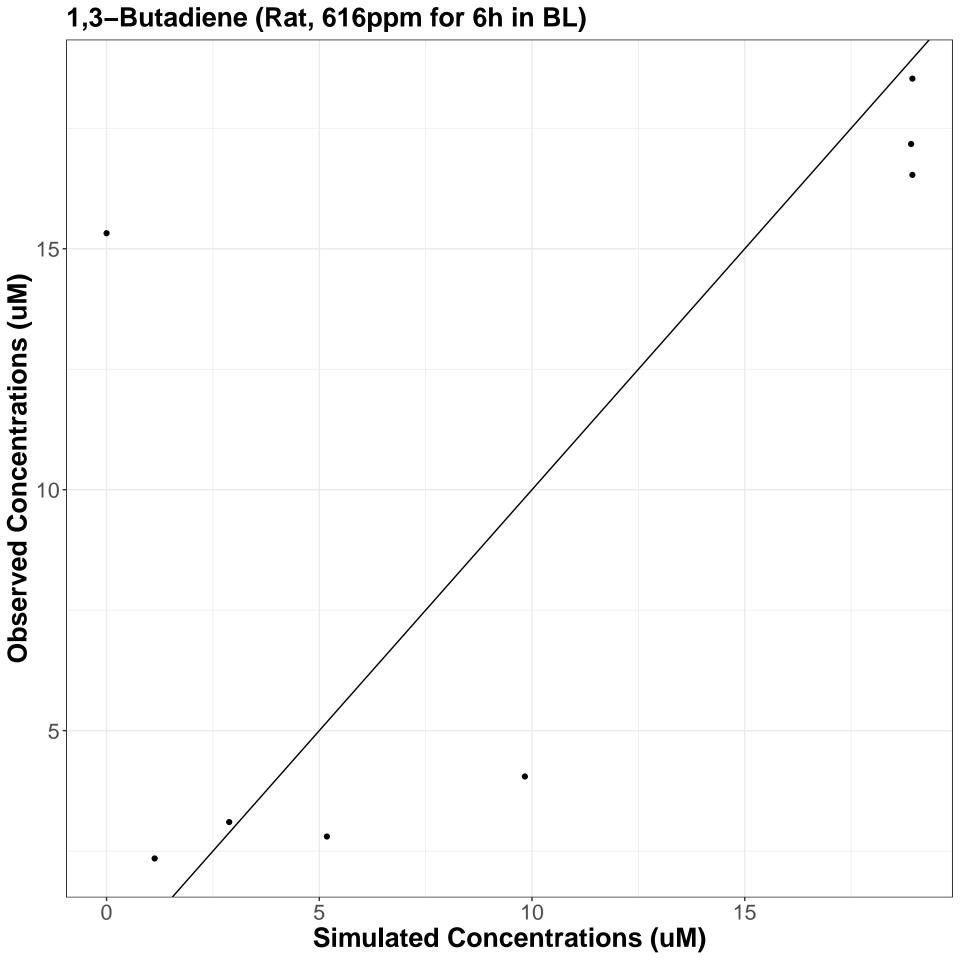


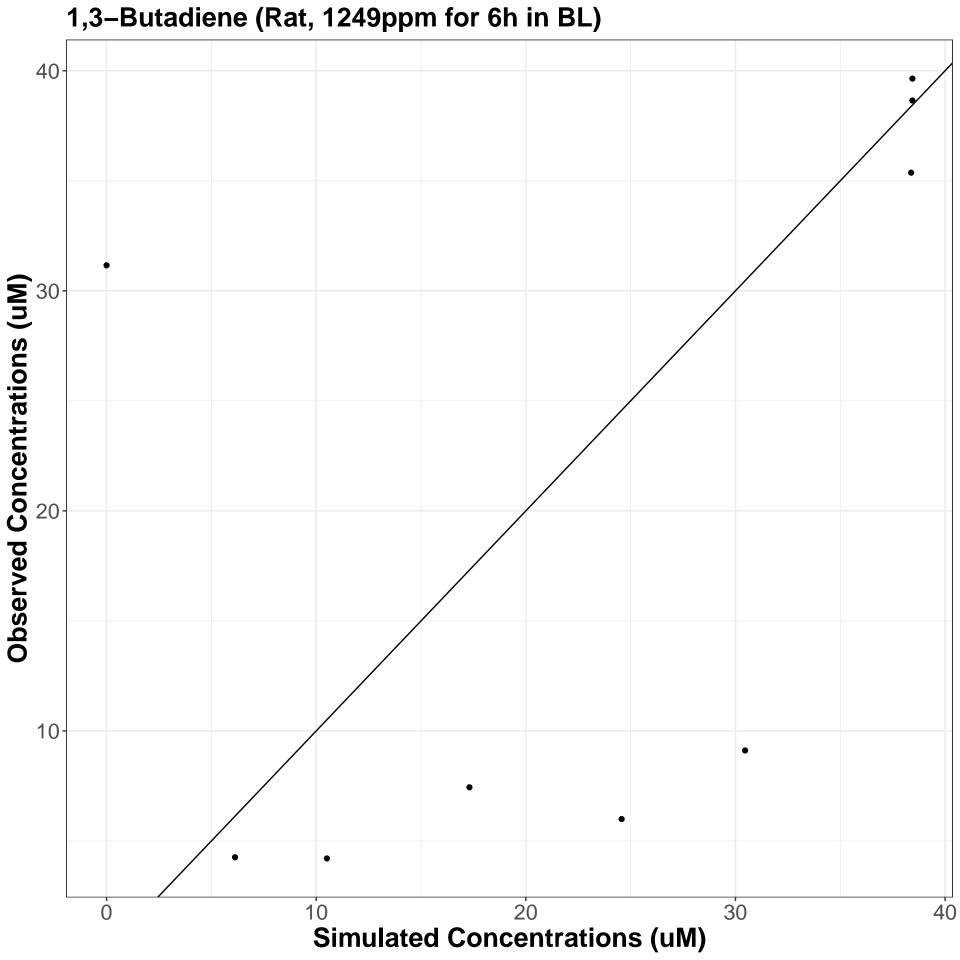
1,2,4-Trimethylbenzene (Human, 2ppm for 2h in EB) 1.6-Observed Concentrations (uM) 1.3 -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**



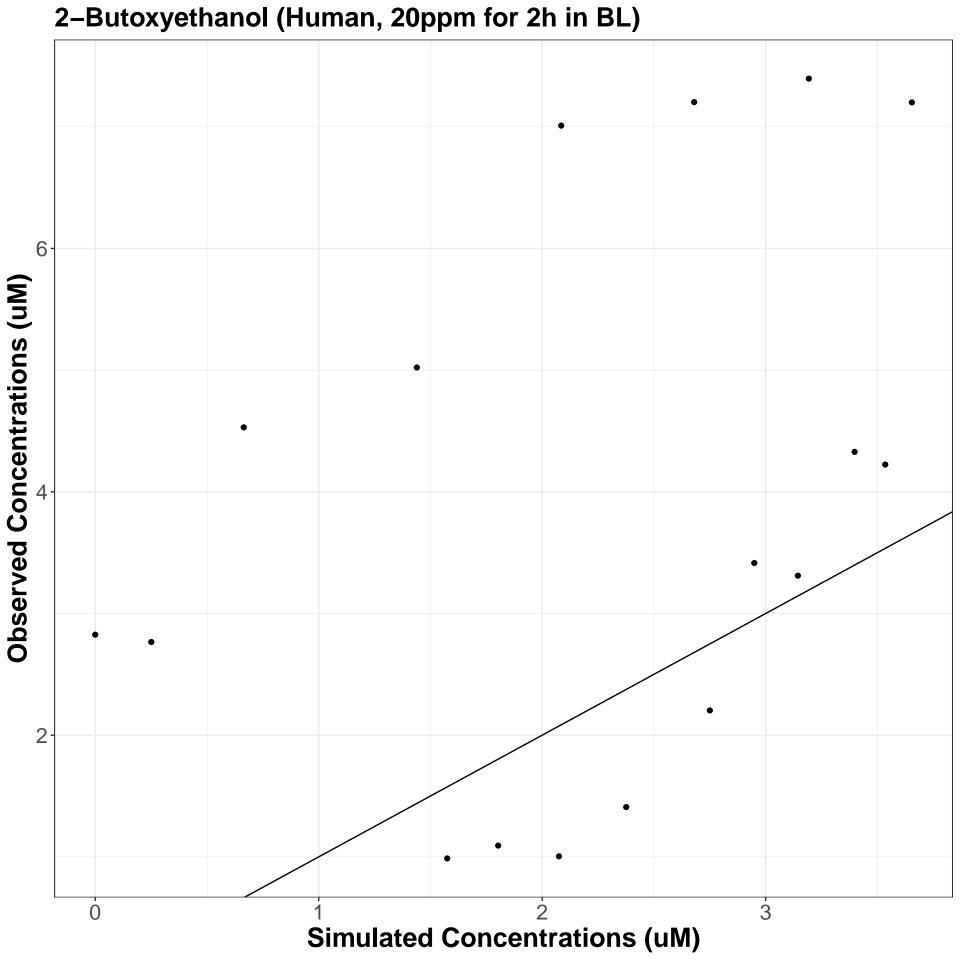
1,3-Butadiene (Human, 5ppm for 2h in EB) Observed Concentrations (uM) Simulated Concentrations (uM)

1,3-Butadiene (Rat, 63ppm for 6h in BL) Observed Concentrations (uM) 0.5 1.0 Simulated Concentrations (uM) 2.0 0.0 1.5

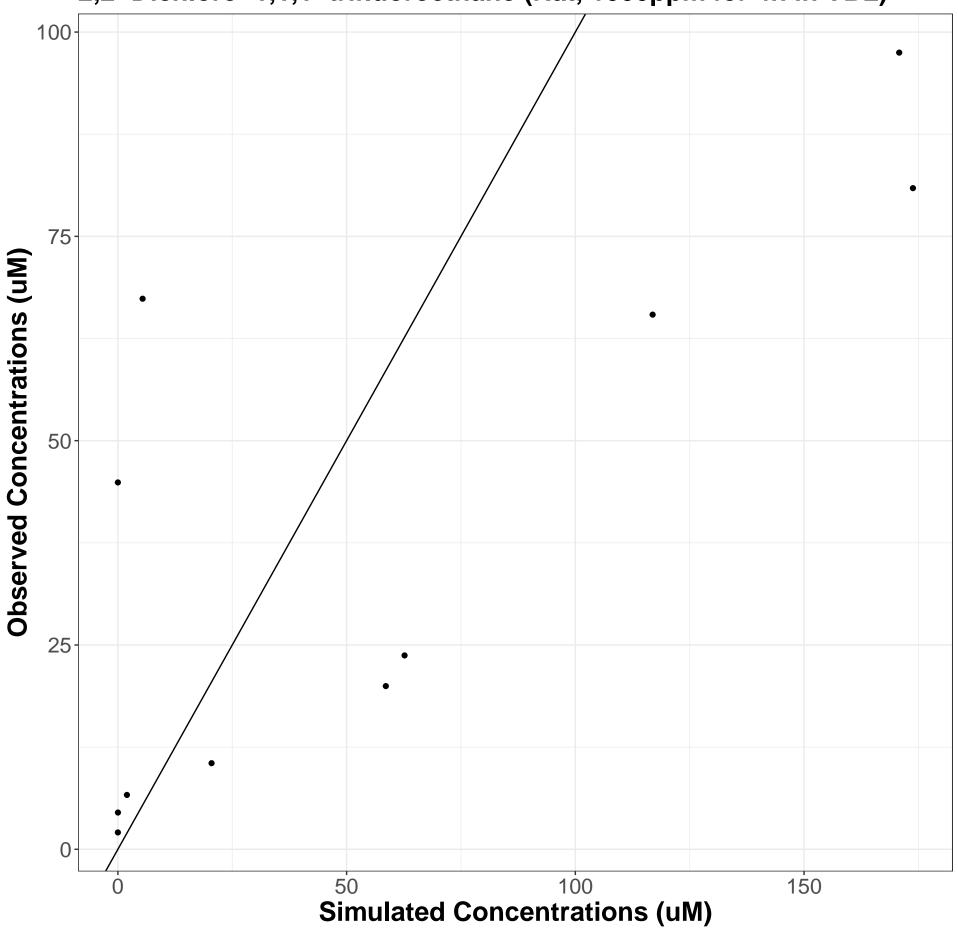




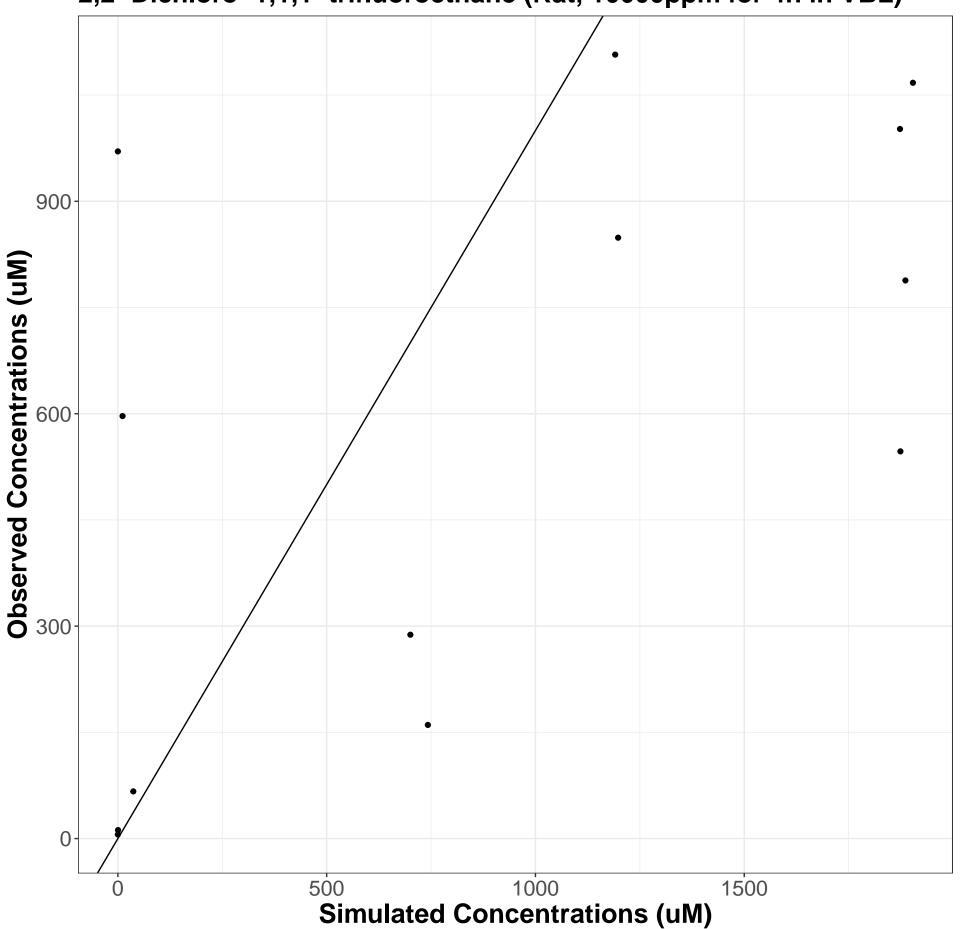
1,4-Dioxane (Human, 50ppm for 6h in PL) 150-Observed Concentrations (uM) 100-50-0 5 10
Simulated Concentrations (uM) 15 20



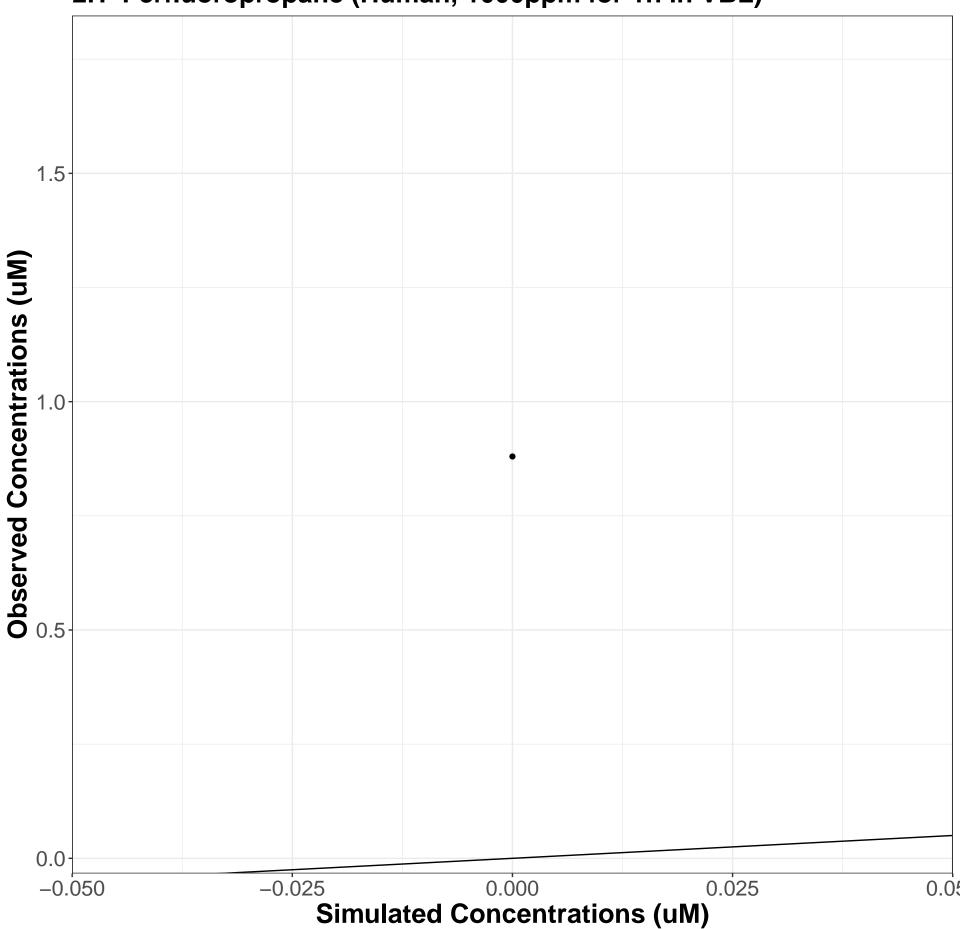
2,2-Dichloro-1,1,1-trifluoroethane (Rat, 1000ppm for 4h in VBL)



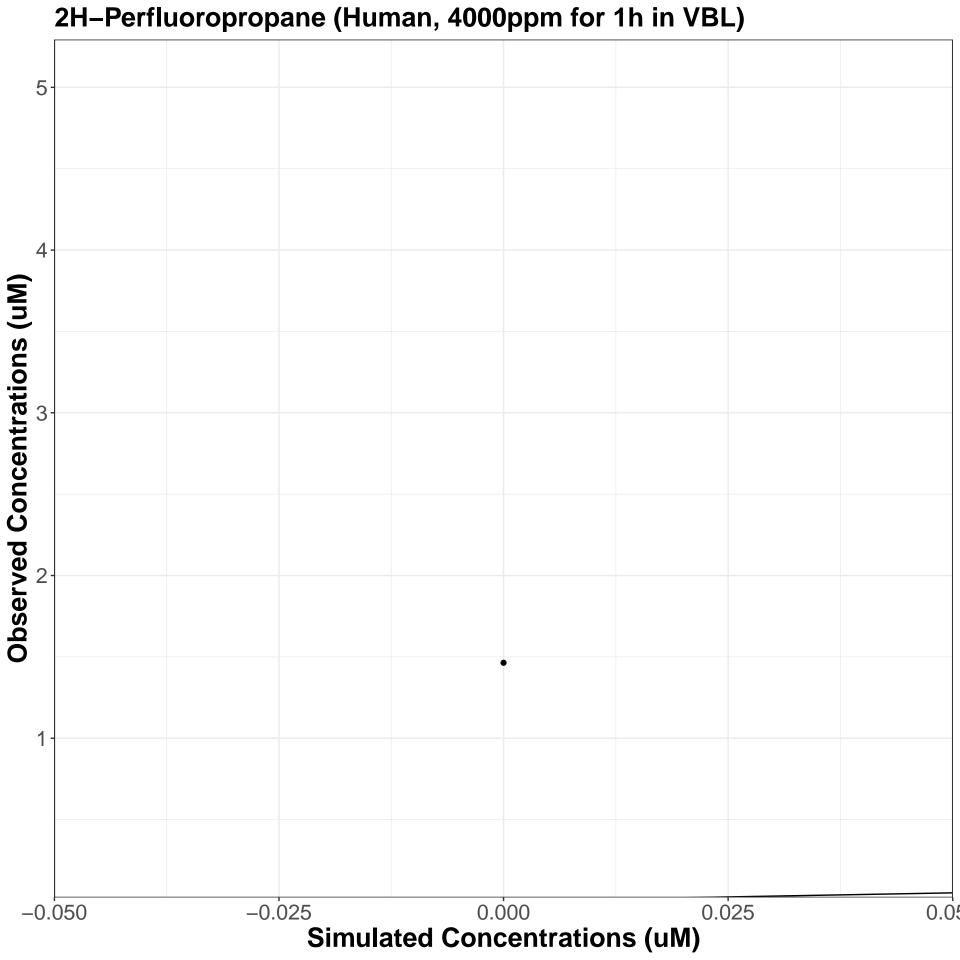
2,2-Dichloro-1,1,1-trifluoroethane (Rat, 10000ppm for 4h in VBL)



2H-Perfluoropropane (Human, 1000ppm for 1h in VBL)

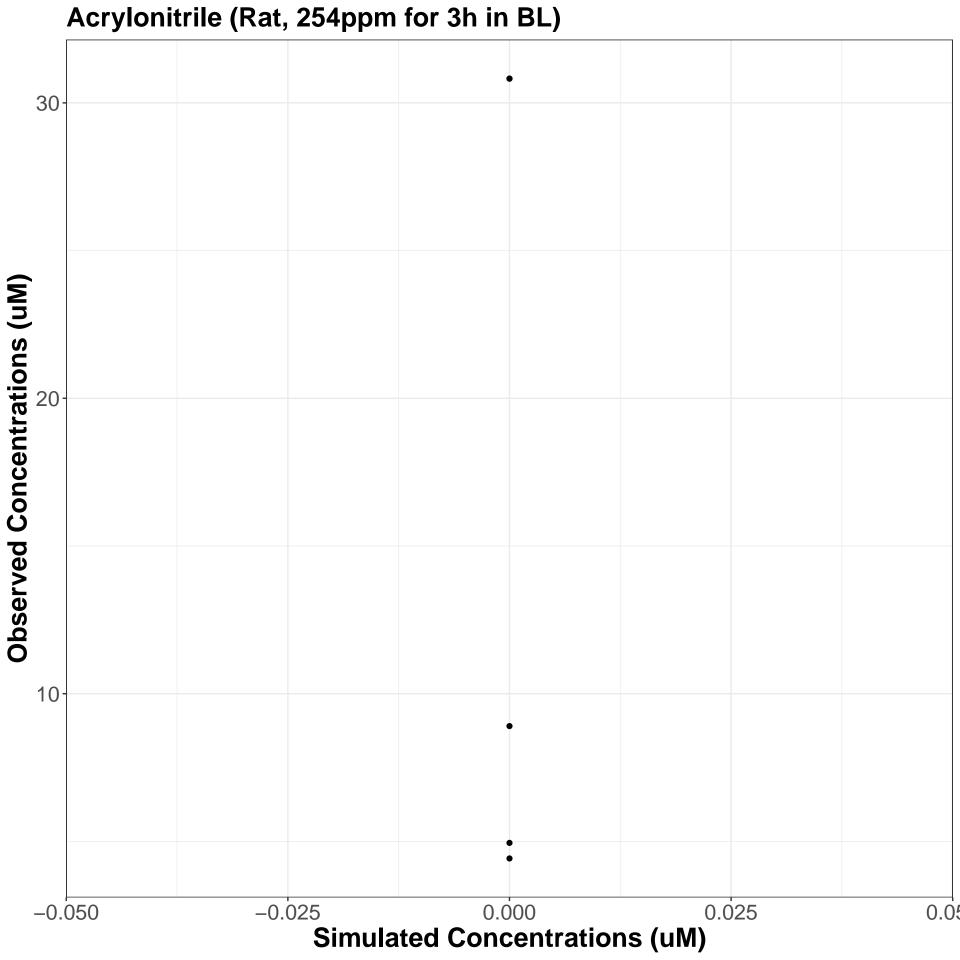


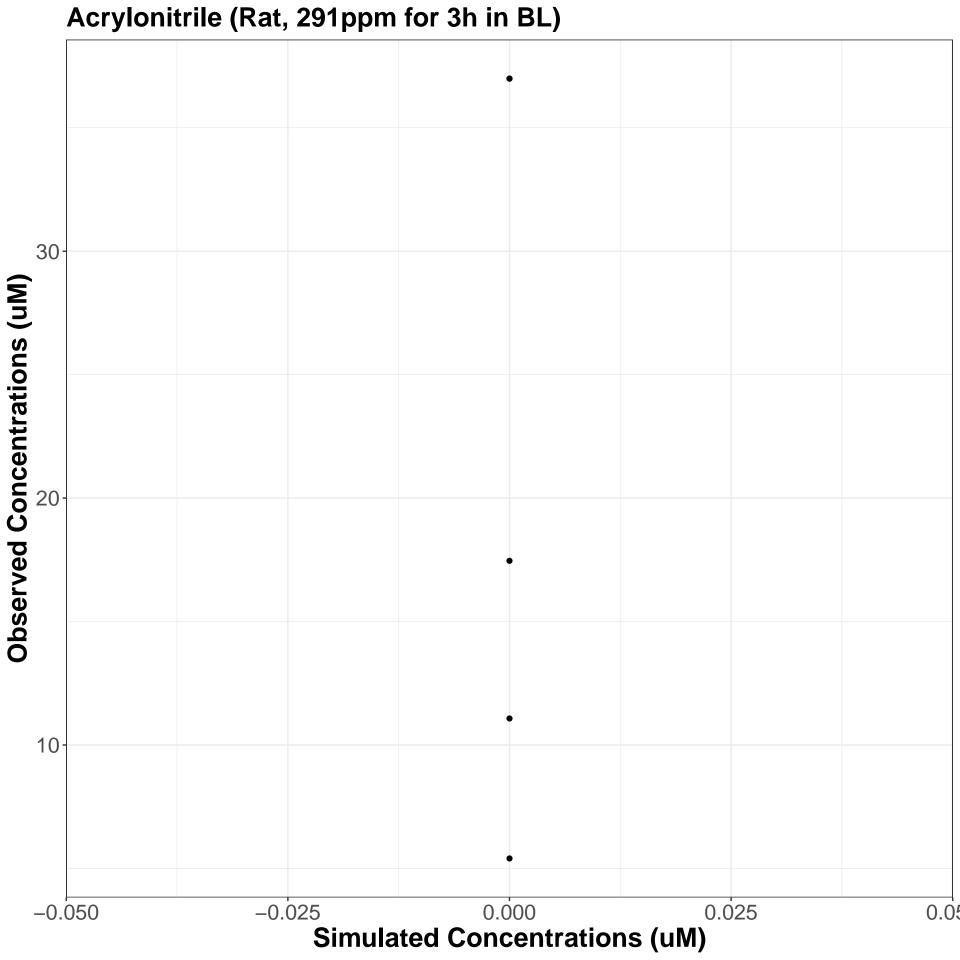
2H-Perfluoropropane (Human, 2000ppm for 1h in VBL) Observed Concentrations (uM) 0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**



2H-Perfluoropropane (Human, 8000ppm for 1h in VBL) 10.0 Observed Concentrations (uM) 5.0 2.5 0.0 -0.050 0.000 -0.0250.025 0.0 **Simulated Concentrations (uM)**

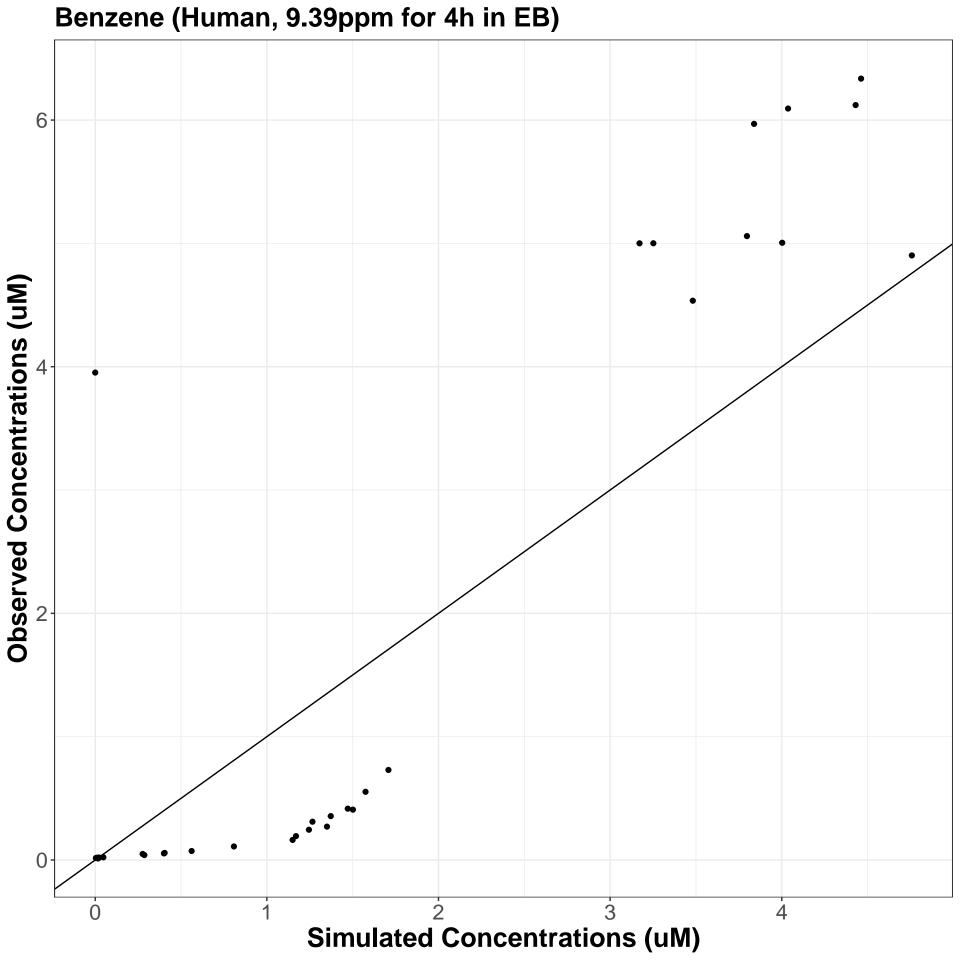
Acrylonitrile (Rat, 186ppm for 3h in BL) 15 Observed Concentrations (uM) 5 0.025 -0.050-0.0250.000 0.0 **Simulated Concentrations (uM)**





Benzene (Human, 25ppm for 2h in BL) Observed Concentrations (uM) Simulated Concentrations (uM) 3

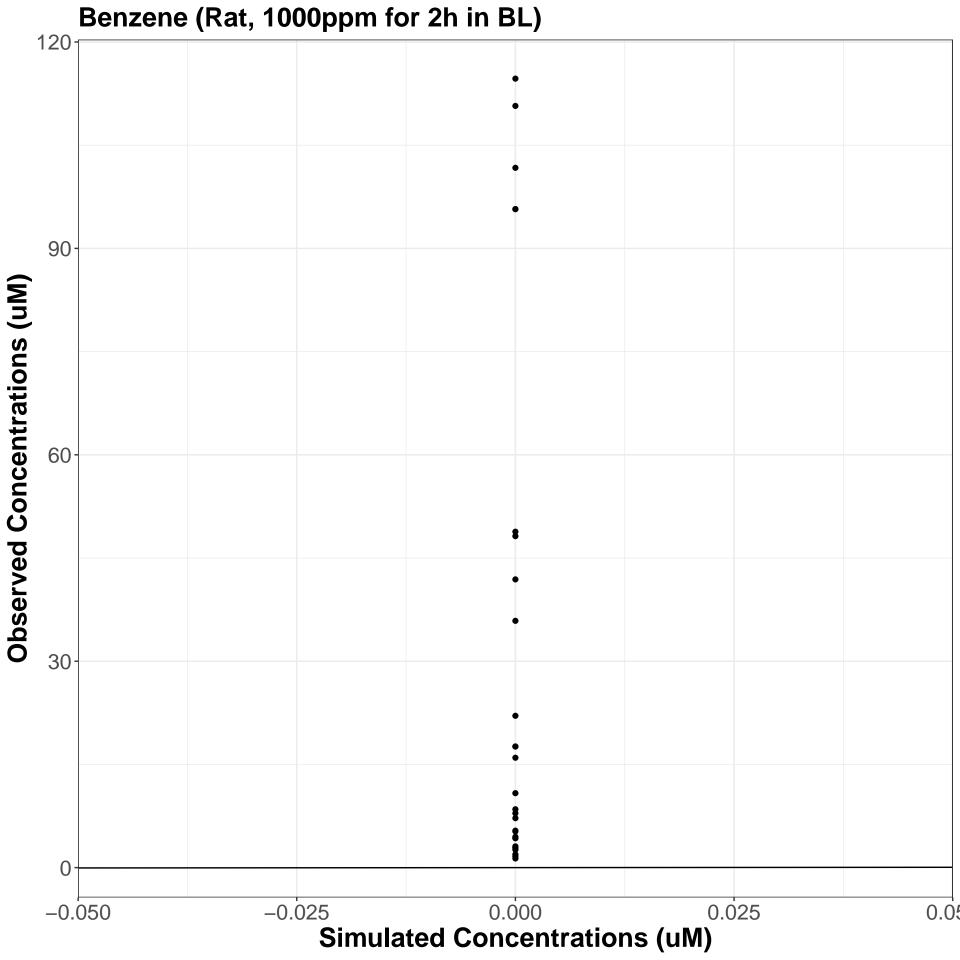
Benzene (Human, 1.57ppm for 4h in EB) 1.00 0.75 **Observed Concentrations (uM)** 0.50 0.25 0.00 0.2 0.4 0.4 Simulated Concentrations (uM) 8.0 0.0 0.6



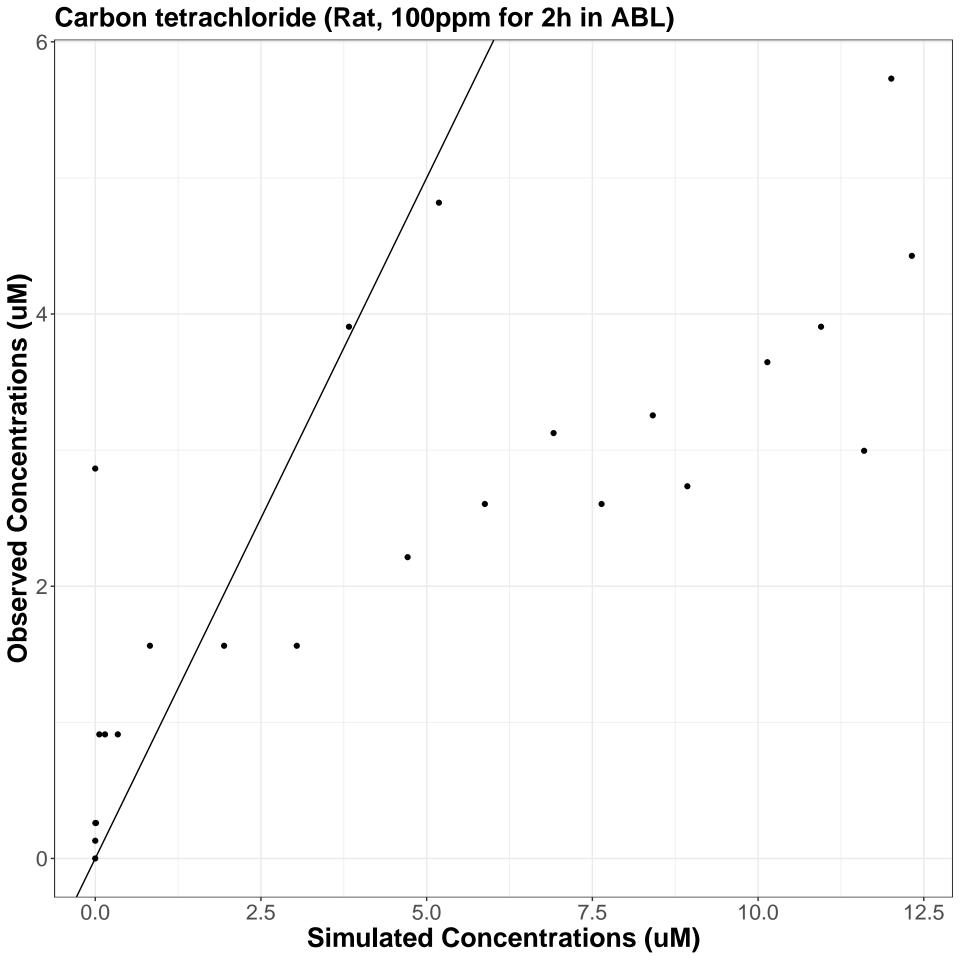
Benzene (Human, 25ppm for 2h in EB) Observed Concentrations (uM) 0.05 0.10 Simulated Concentrations (uM) 0.00

Benzene (Human, 1.57ppm for 4h in VBL) 0.20 Observed Concentrations (uM) 0.05 0.00 0.1 Simulated Concentrations (uM) 0.3 0.0

Benzene (Human, 9.39ppm for 4h in VBL) 2.5 2.0 Observed Concentrations (uM) 0.5 0.0 5 1.0 1.0 Simulated Concentrations (uM) 0.5 1.5 0.0 2.0



Bromotrifluoromethane (Human, 10000ppm for 24h in VBL) 30 Observed Concentrations (uM) 0 -0.0250.000 0.025 0.0 -0.050**Simulated Concentrations (uM)**



Carbon tetrachloride (Rat, 1000ppm for 2h in ABL) 60 Observed Concentrations (uM) 0 Simulated Concentrations (uM) 100

Chlorobenzene (Human, 10ppm for 8h in BL) 0.5

Observed Concentrations (uM)

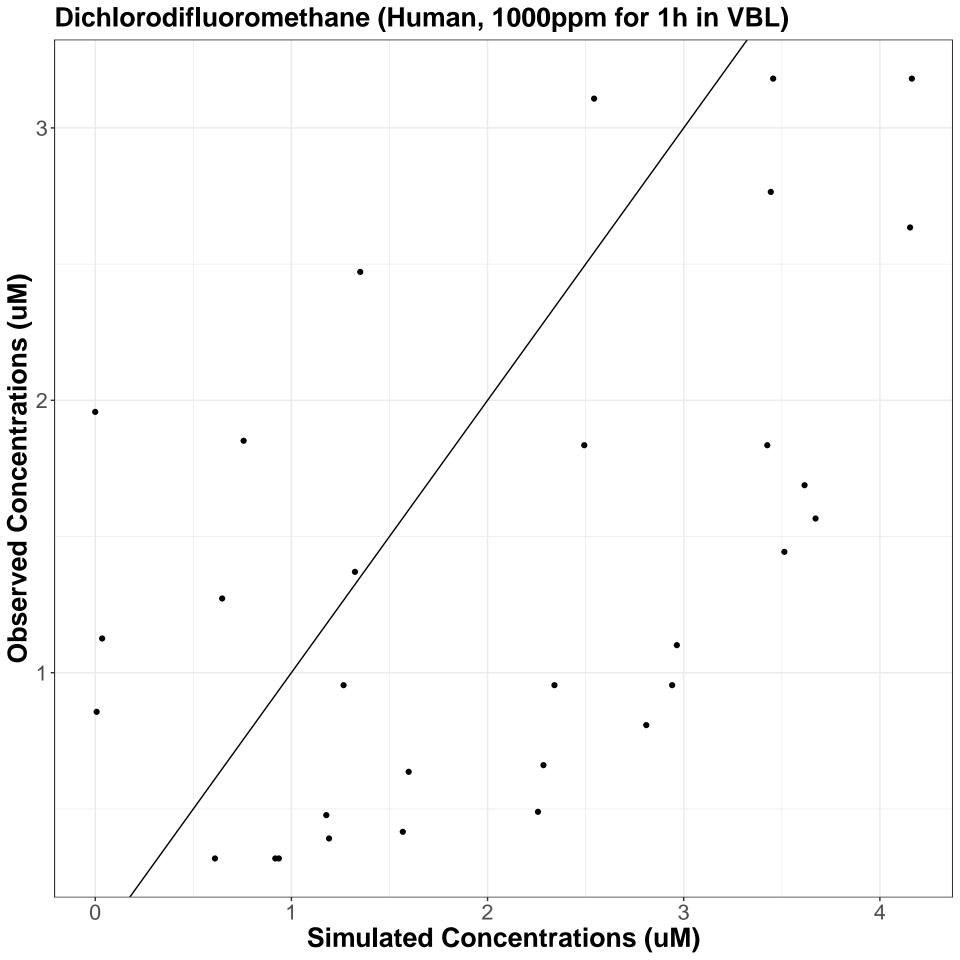
0e+00

1e-04 2e-04
Simulated Concentrations (uM)

3e-04

Chloroform (Rat, 100ppm for 6h in BL) 10.0-Observed Concentrations (uM) 7.5-5.0 2.5 Simulated Concentrations (uM) 5 20

Decane (Rat, 1200ppm for 4h in BL) 60 Observed Concentrations (uM) 0.025 0.000 -0.050-0.0250.0 **Simulated Concentrations (uM)**



Dichlorodifluoromethane (Human, 4000ppm for 1h in VBL) 12.5-10.0-Observed Concentrations (uM) 7.5-5.0 2.5 5
Simulated Concentrations (uM) 15

Dichloromethane (Human, 100ppm for 6h in EB) Observed Concentrations (uM) **Simulated Concentrations (uM)**

Dichloromethane (Human, 350ppm for 6h in EB) 200 150-Observed Concentrations (uM) 100-50-0 150 50 100 200 250 **Simulated Concentrations (uM)**

Dichloromethane (Human, 100ppm for 6h in VBL) 10-Observed Concentrations (uM) 0 Simulated Concentrations (uM)

Dichloromethane (Human, 350ppm for 6h in VBL) 60 Observed Concentrations (uM) 0 Simulated Concentrations (uM) 60

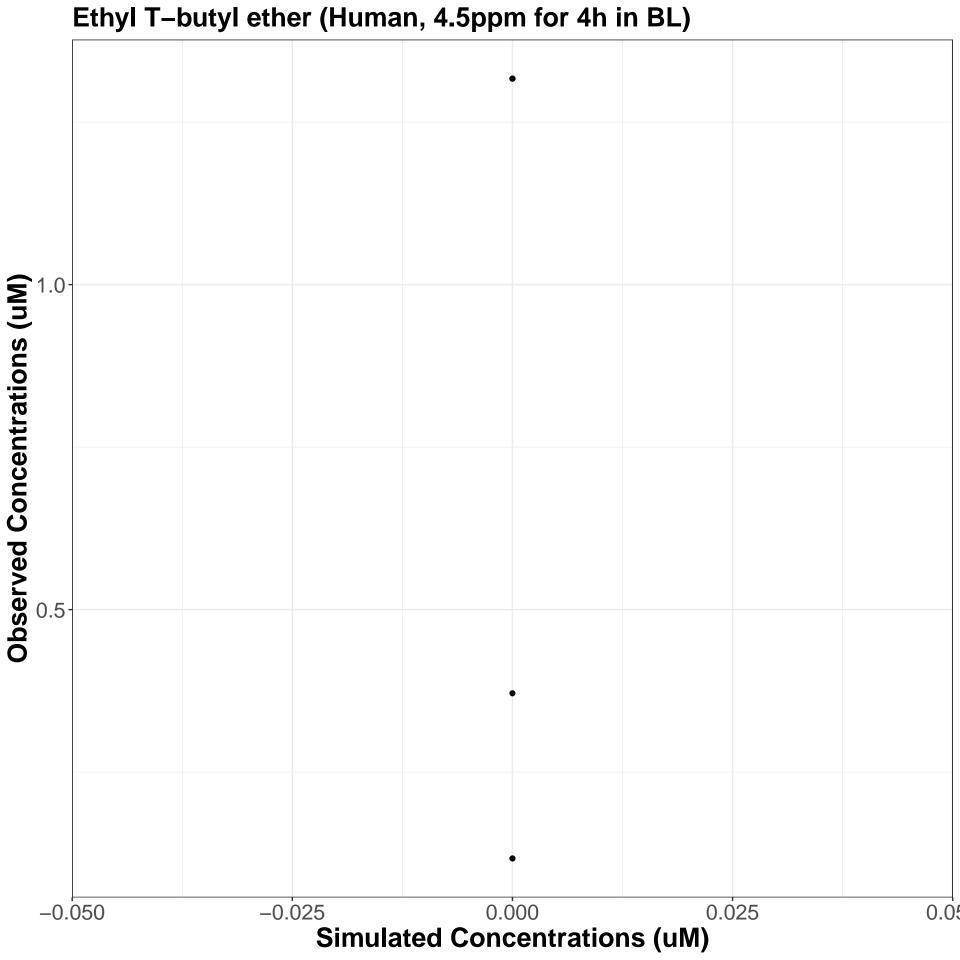
Ethanol (Human, 125ppm for 4h in BL) 4 Observed Concentrations (uM) 5
Simulated Concentrations (uM) 15

Ethanol (Human, 250ppm for 4h in BL) 10.0-Observed Concentrations (uM) 7.5-5.0 2.5 Simulated Concentrations (uM) 30

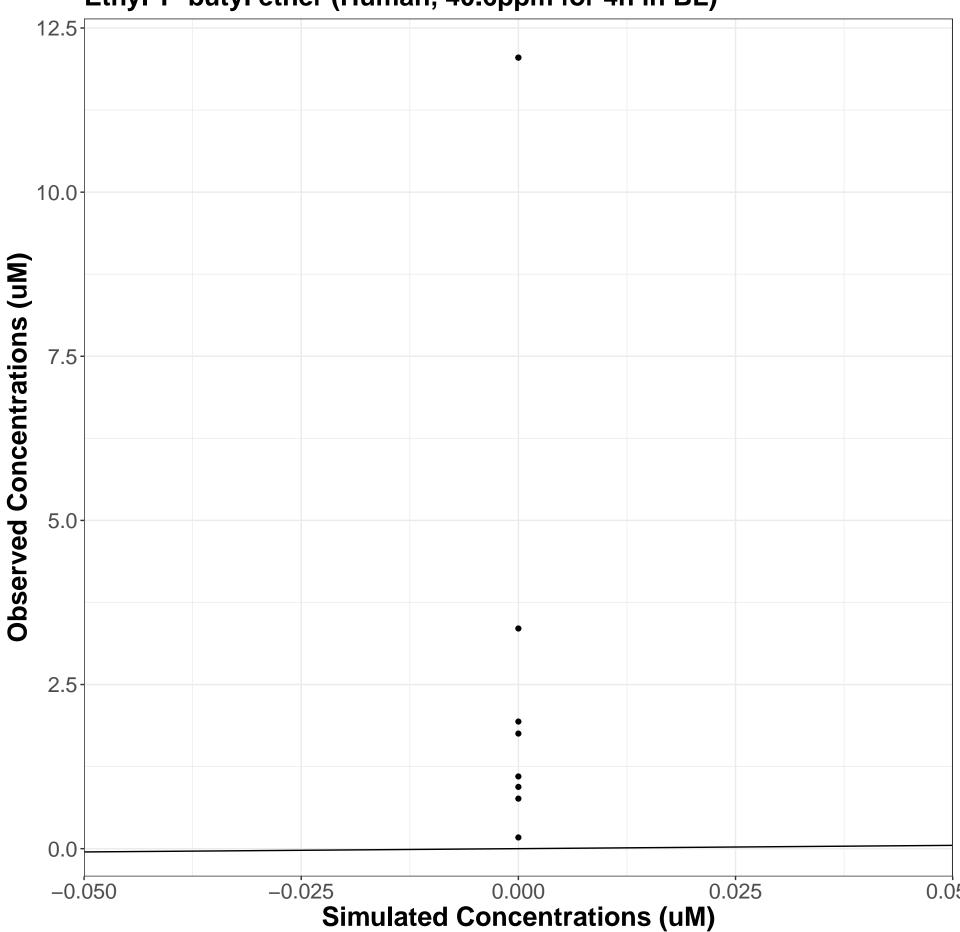
Ethanol (Human, 450ppm for 4h in BL) 20 Observed Concentrations (uM) 5 Simulated Concentrations (uM) 60

Ethanol (Human, 750ppm for 4h in BL) 40 Observed Concentrations (uM) 10 30 60 Simulated Concentrations (uM) 90

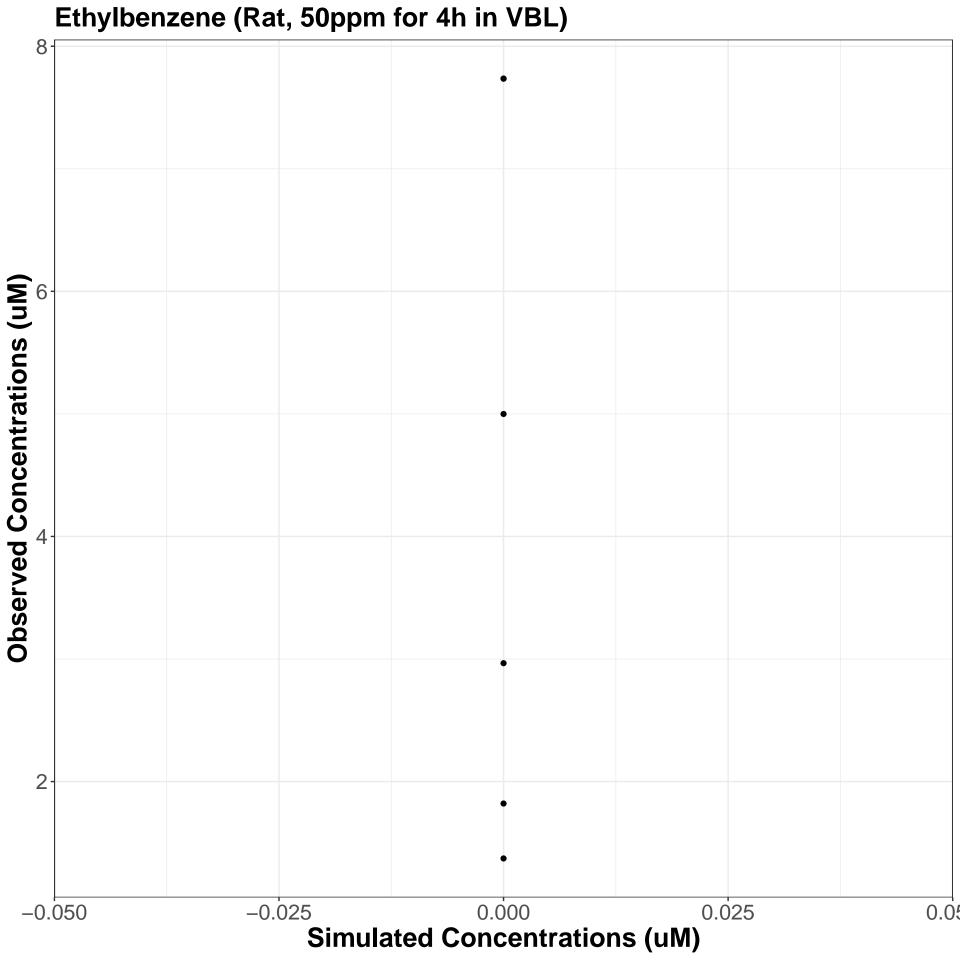
Ethanol (Human, 1000ppm for 4h in BL) 60 Observed Concentrations (uM) Simulated Concentrations (uM) 15



Ethyl T-butyl ether (Human, 40.6ppm for 4h in BL)



Ethylbenzene (Human, 33ppm for 7h in VBL) Observed Concentrations (uM) 1.0 1.5
Simulated Concentrations (uM) 0.5 0.0 2.0 2.5



Furan (Rat, 52ppm for 4h in BL) 2.5 Observed Concentrations (uM) 1.5 0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**

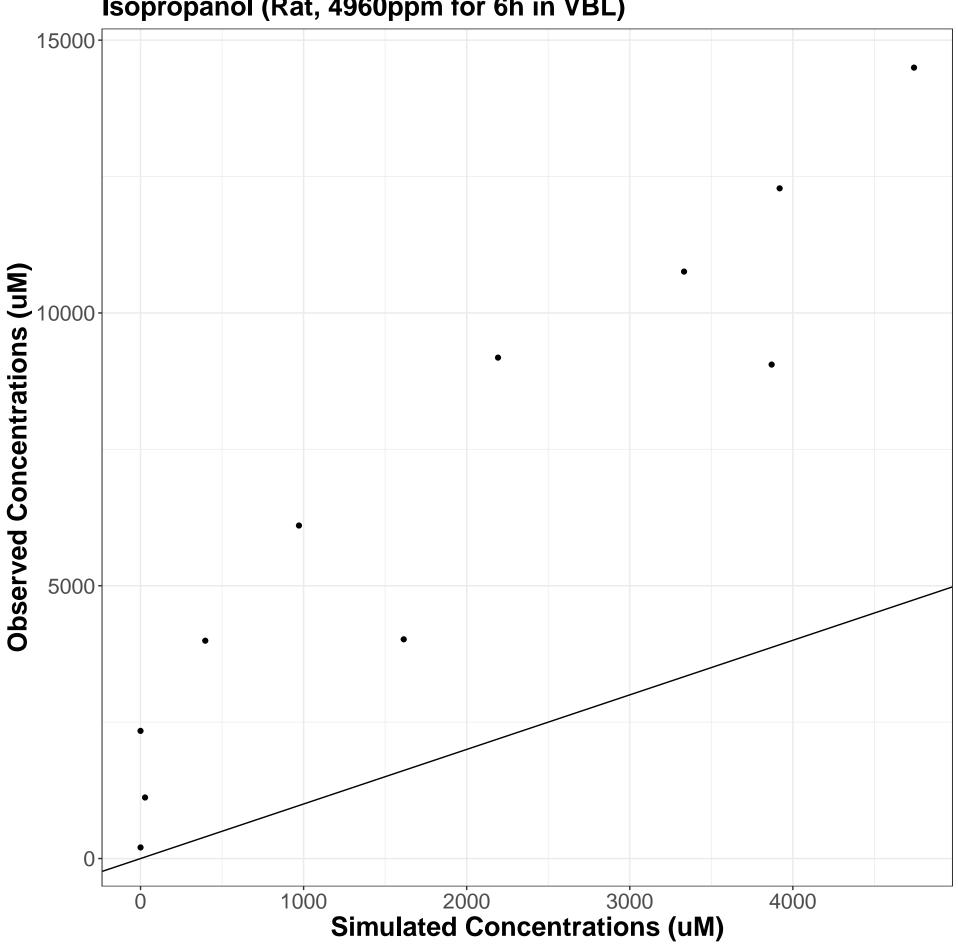
Furan (Rat, 107ppm for 4h in BL) 5 Observed Concentrations (uM) 0.000 -0.050-0.025 0.025 0.0 **Simulated Concentrations (uM)**

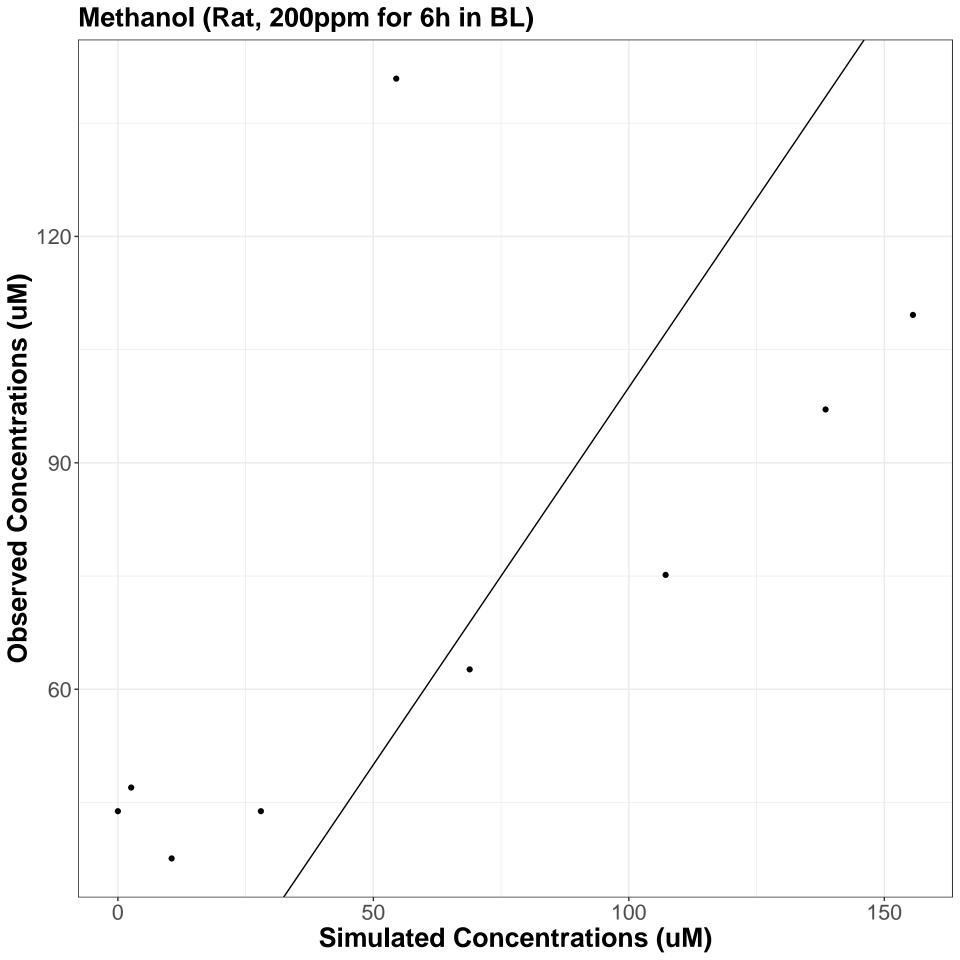
Furan (Rat, 208ppm for 4h in BL) 12-Observed Concentrations (uM) -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**

Isopropanol (Human, 100ppm for 0.17h in EEB) Observed Concentrations (uM) 0 Simulated Concentrations (uM) 30

Isopropanol (Human, 100ppm for 0.17h in MEB) 10 Observed Concentrations (uM) 7 Simulated Concentrations (uM) 30

Isopropanol (Rat, 476ppm for 6h in VBL) 500 400 Observed Concentrations (uM) 300-200-100 100 200
Simulated Concentrations (uM) 300 Isopropanol (Rat, 4960ppm for 6h in VBL)





Methanol (Rat, 1200ppm for 6h in BL) 800-Observed Concentrations (uM) 200 Simulated Concentrations (uM) 1200

Methanol (Rat, 2000ppm for 6h in BL) 2000-Observed Concentrations (uM) 1000-0 1000 1500
Simulated Concentrations (uM) 500 2000

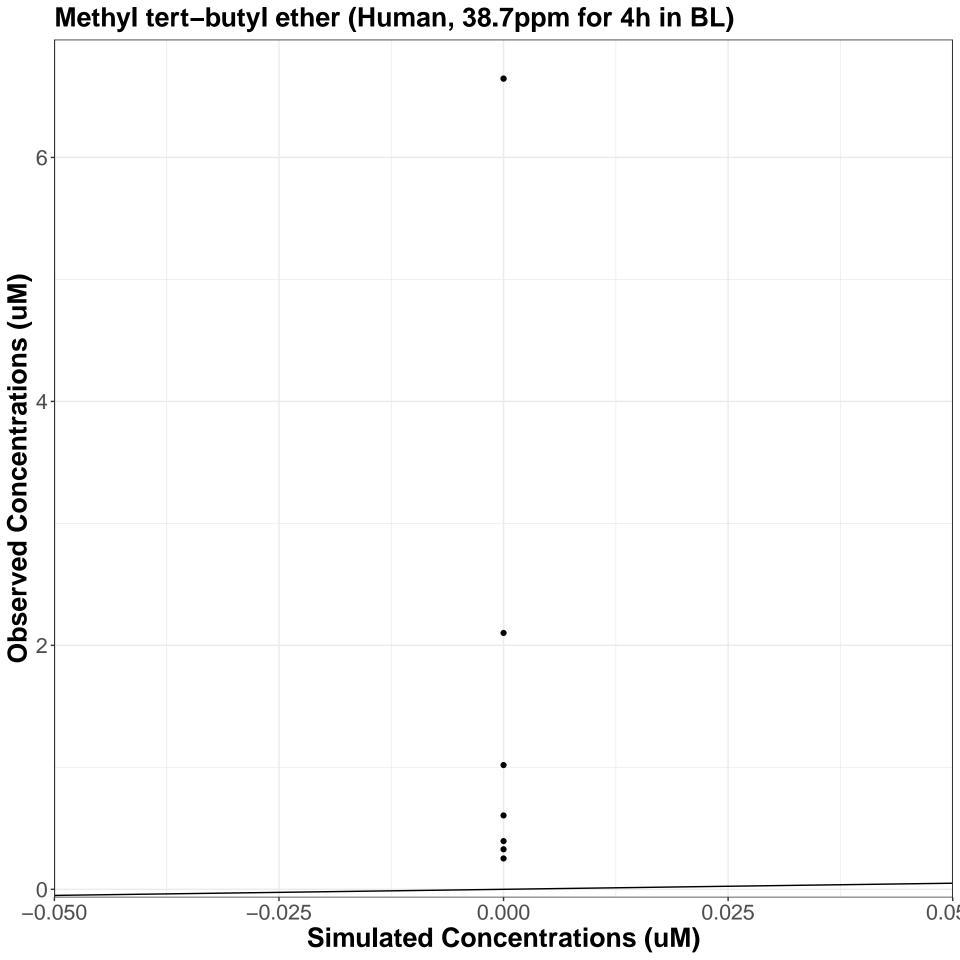
Methyl ethyl ketone (Human, 25ppm for 4h in VBL) Observed Concentrations (uM) **Simulated Concentrations (uM)**

Methyl ethyl ketone (Human, 200ppm for 4h in VBL) 100-75-Observed Concentrations (uM) 50-25 Simulated Concentrations (uM) 20

Methyl ethyl ketone (Human, 400ppm for 4h in VBL) 300-Observed Concentrations (uM) Simulated Concentrations (uM) 60

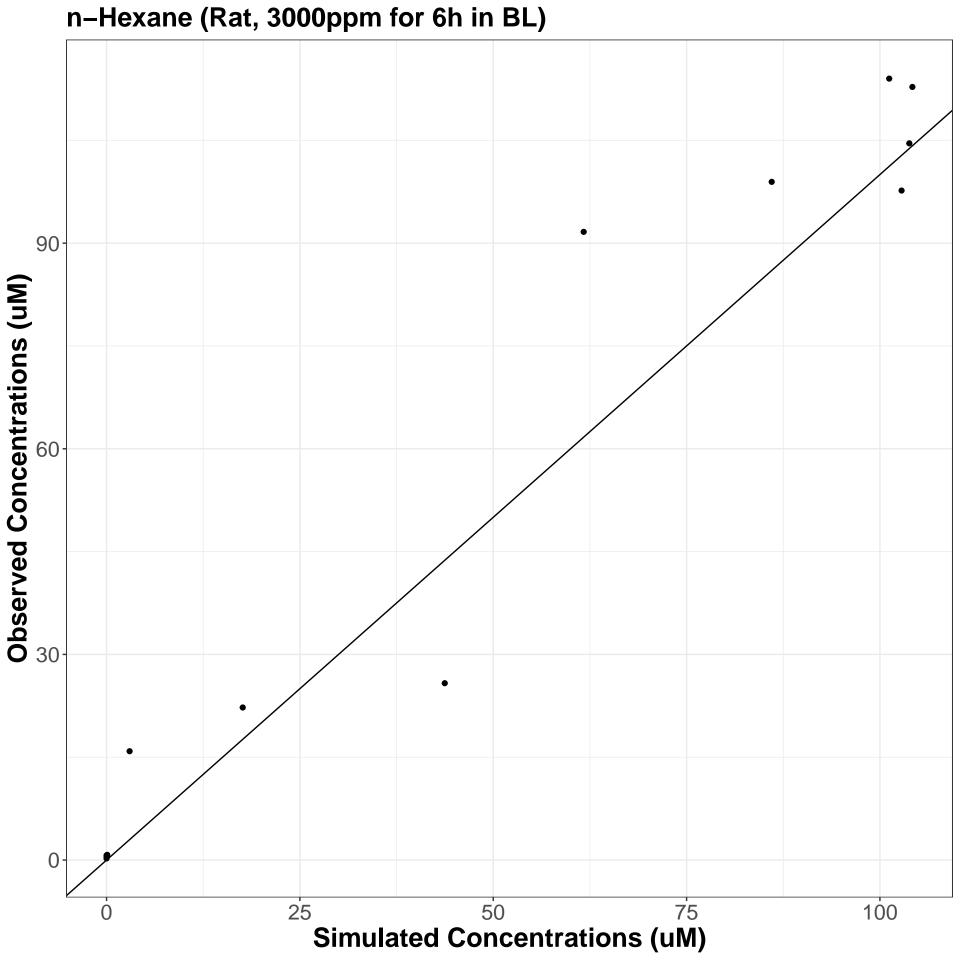
Methyl tert-butyl ether (Human, 4.5ppm for 4h in BL) 2.0-1.5 Observed Concentrations (uM) 0.5 0.0 0.000 -0.0250.025 0.0 **Simulated Concentrations (uM)**

Methyl tert-butyl ether (Human, 25ppm for 4h in BL) 10.0 Observed Concentrations (uM) 7.5-5.0 2.5 0.0 6 **Simulated Concentrations (uM)**

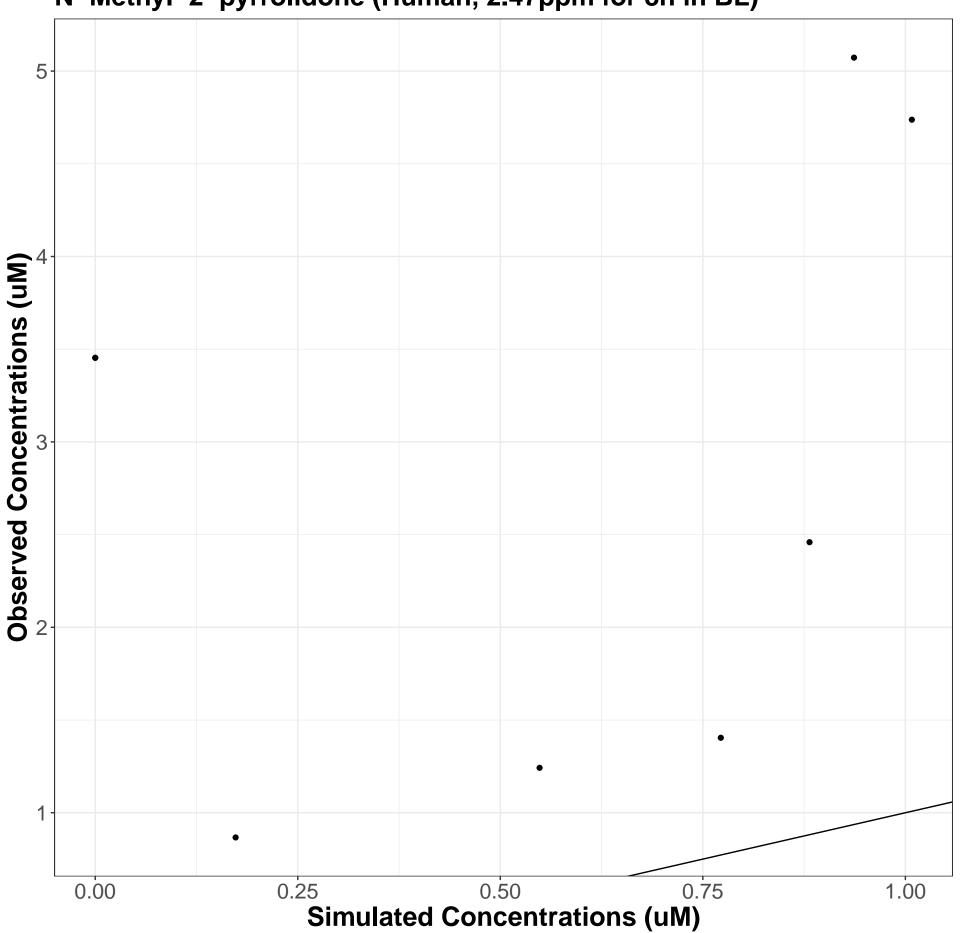


Methyl tert-butyl ether (Human, 75ppm for 4h in BL) 5 10 Simulated Concentrations (uM)

Observed Concentrations (uM)



N-Methyl-2-pyrrolidone (Human, 2.47ppm for 8h in BL)



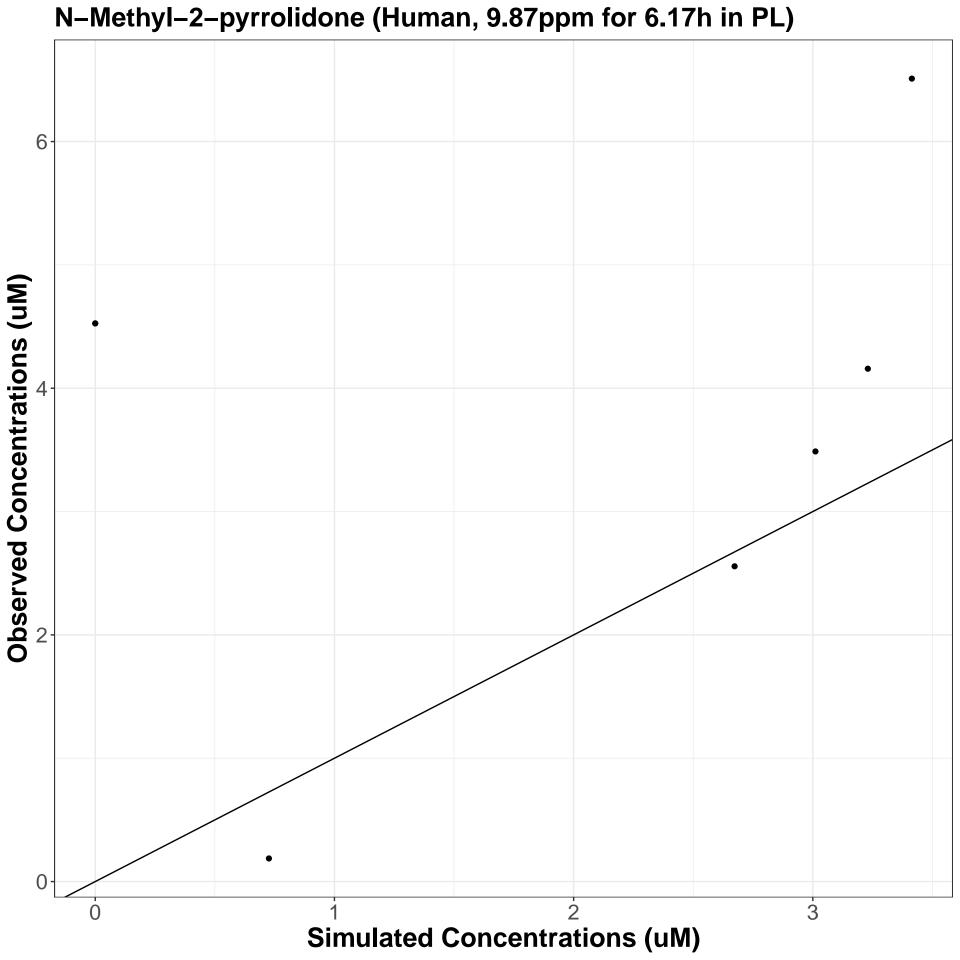
N-Methyl-2-pyrrolidone (Human, 5.92ppm for 8h in BL) 10.0 7.5 Observed Concentrations (uM) 5.0 2.5 1.0 1.5

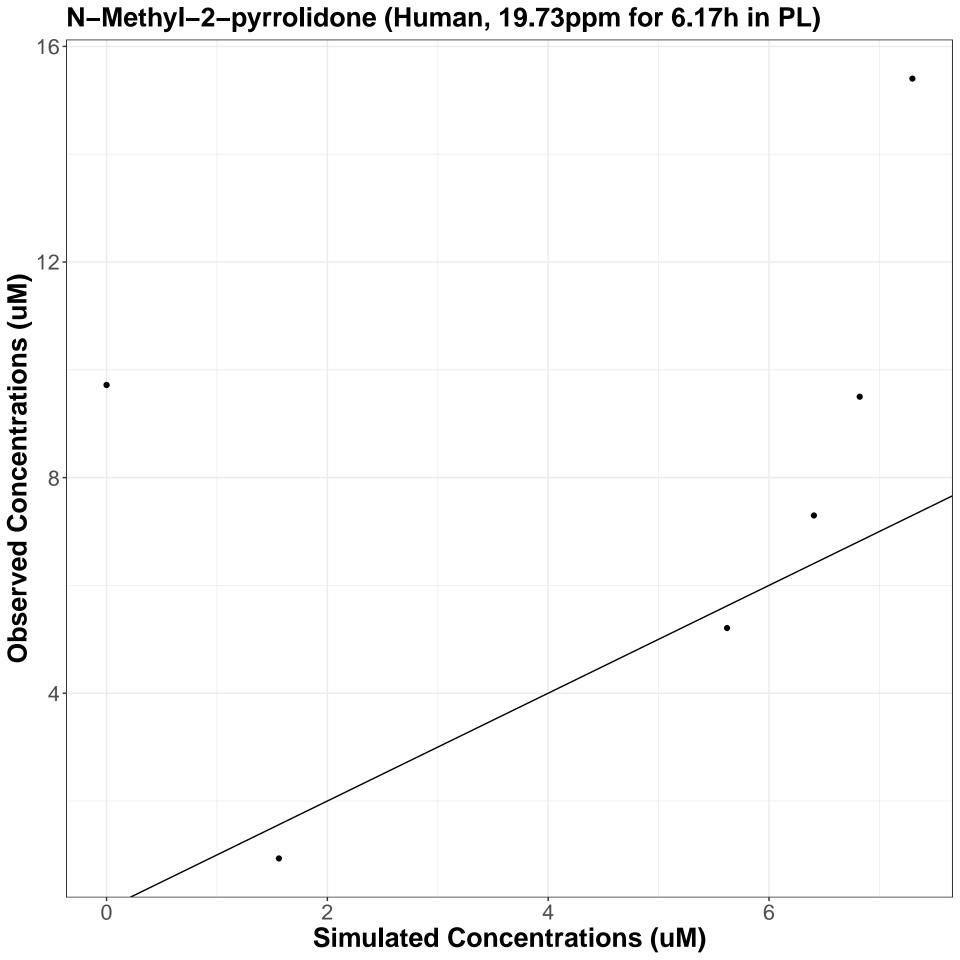
Simulated Concentrations (uM) 0.0 0.5 2.0

N-Methyl-2-pyrrolidone (Human, 13.07ppm for 8h in BL) Observed Concentrations (uM) **Simulated Concentrations (uM)**

N-Methyl-2-pyrrolidone (Human, 2.47ppm for 6.17h in PL) 3 Observed Concentrations (uM) 0.25 0.50

Simulated Concentrations (uM) 0.00 0.75





Nonane (Rat, 100ppm for 4h in BL) 6 Observed Concentrations (uM) 10 20 Simulated Concentrations (uM) 30

Nonane (Rat, 500ppm for 4h in BL) 30 Observed Concentrations (uM) 50 100
Simulated Concentrations (uM) 150

Nonane (Rat, 1000ppm for 4h in BL) Observed Concentrations (uM) 100 200
Simulated Concentrations (uM) 300

Octane (Rat, 1000ppm for 2h in BL) 50 Observed Concentrations (uM) 10 -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**

Octane (Rat, 5000ppm for 2h in BL) 230.325 Observed Concentrations (uM) 230.250 -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**

Pyrene (Rat, 24.18ppm for 1.58h in BL) 10.0-Observed Concentrations (uM) 7.5-5.0 Simulated Concentrations (uM) 0.0 1.0

Pyrene (Rat, 60.44ppm for 1.58h in BL) 80 Observed Concentrations (uM) 20 Simulated Concentrations (uM) 3

Pyrene (Rat, 96.71ppm for 1.58h in BL) 200 Observed Concentrations (uM) 150-100-50 Simulated Concentrations (uM)

Styrene (Human, 80ppm for 6h in BL) 7.5 Observed Concentrations (uM) 0.0 10 15 **Simulated Concentrations (uM)**

Styrene (Human, 80ppm for 6h in EB) 1.00 Observed Concentrations (uM) 0.250.00-0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**

Styrene (Rat, 80ppm for 6h in BL) 10.0 7.5 Observed Concentrations (uM) 5.0 2.5 0.0 5 10
Simulated Concentrations (uM) 20 15

Styrene (Rat, 80ppm for 24h in BL) 10 Observed Concentrations (uM) 6 Simulated Concentrations (uM) 20

Styrene (Rat, 200ppm for 6h in BL) Observed Concentrations (uM) 0 Simulated Concentrations (uM) 60

Styrene (Rat, 200ppm for 24h in BL) 16-Observed Concentrations (uM) 10-20 40
Simulated Concentrations (uM) 60

Styrene (Rat, 600ppm for 6h in BL) 200-Observed Concentrations (uM) 150-100-50 0 100 200
Simulated Concentrations (uM) 300

Styrene (Rat, 600ppm for 24h in BL) 300-Observed Concentrations (uM) 100-200 400 600 **Simulated Concentrations (uM)**

Styrene (Rat, 1200ppm for 6h in BL) Observed Concentrations (uM) 400-**Simulated Concentrations (uM)**

Styrene (Rat, 1200ppm for 24h in BL) 600 Observed Concentrations (uM) 500-400-300-500 1000
Simulated Concentrations (uM) 1500

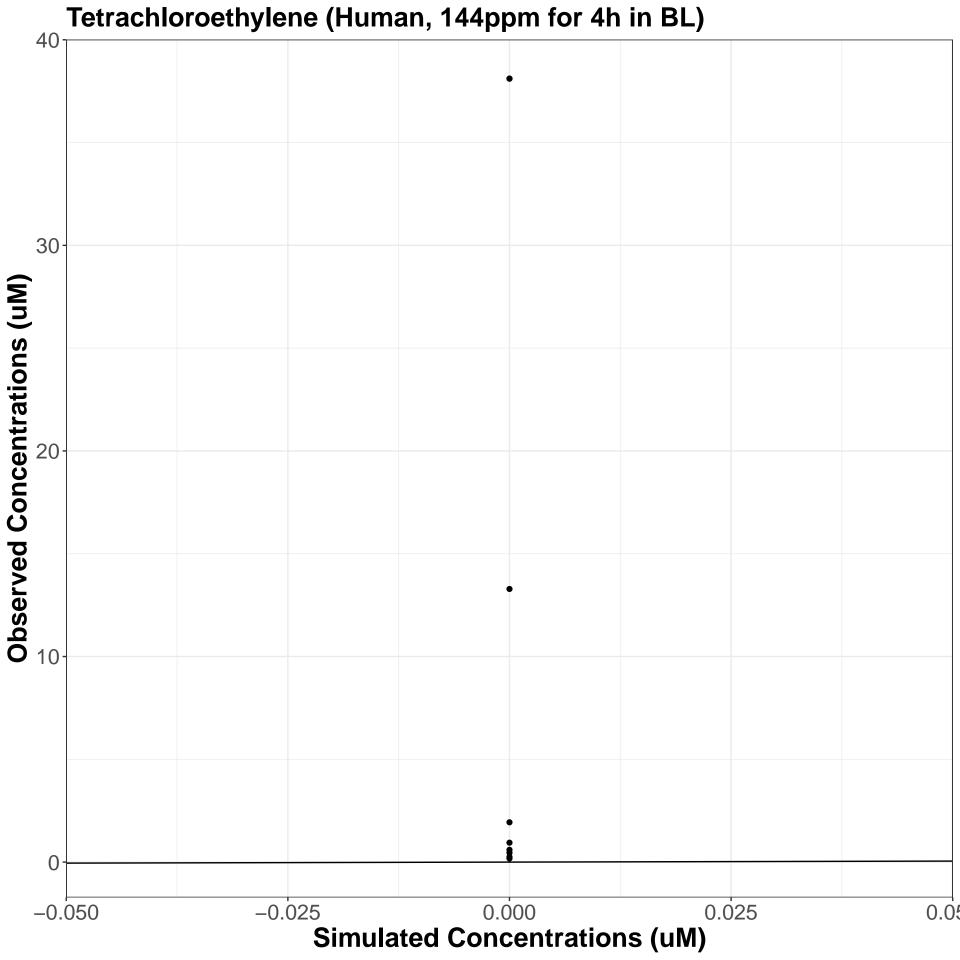
tert-Amyl methyl ether (Human, 3.8ppm for 4h in BL) 0.6 Observed Concentrations (uM) -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**

tert-Amyl methyl ether (Human, 15ppm for 4h in BL) 4 Observed Concentrations (uM) Simulated Concentrations (uM) 0.0 0.5 2.0

tert-Amyl methyl ether (Human, 38.4ppm for 4h in BL) Observed Concentrations (uM) 0 −0.050 0.000 -0.0250.025 0.0 **Simulated Concentrations (uM)**

tert-Amyl methyl ether (Human, 50ppm for 4h in BL) 15-Observed Concentrations (uM) **Simulated Concentrations (uM)**

Tetrachloroethylene (Human, 72ppm for 4h in BL) 15 Observed Concentrations (uM) 0 0.000 -0.0250.025 0.0 -0.050**Simulated Concentrations (uM)**



Tetrachloroethylene (Human, 142ppm for 4h in BL (+W)) 50 40 Observed Concentrations (uM) 10 0 0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**

Tetrachloroethylene (Human, 72ppm for 4h in EB) 40 Observed Concentrations (uM) 10 0 0.000 -0.0250.025 0.0 -0.050**Simulated Concentrations (uM)**

Tetrachloroethylene (Human, 144ppm for 4h in EB) 15 Observed Concentrations (uM) 0.000 -0.0250.025 0.0 -0.050**Simulated Concentrations (uM)**

Tetrachloroethylene (Human, 142ppm for 4h in EB (+W)) 2.0 Observed Concentrations (uM) 0.5 -0.050-0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**

Tetrachloroethylene (Rat, 600ppm for 6h in BL) 50 40 Observed Concentrations (uM) 10 0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**

Tetrahydrofuran (Human, 150ppm for 4h in EB) 150-Observed Concentrations (uM) 100-50-0 **Simulated Concentrations (uM)**

Toluene (Rat, 100ppm for 2h in BL) 7.5 Observed Concentrations (uM) 2.5 5 10 Simulated Concentrations (uM) 15 Ö

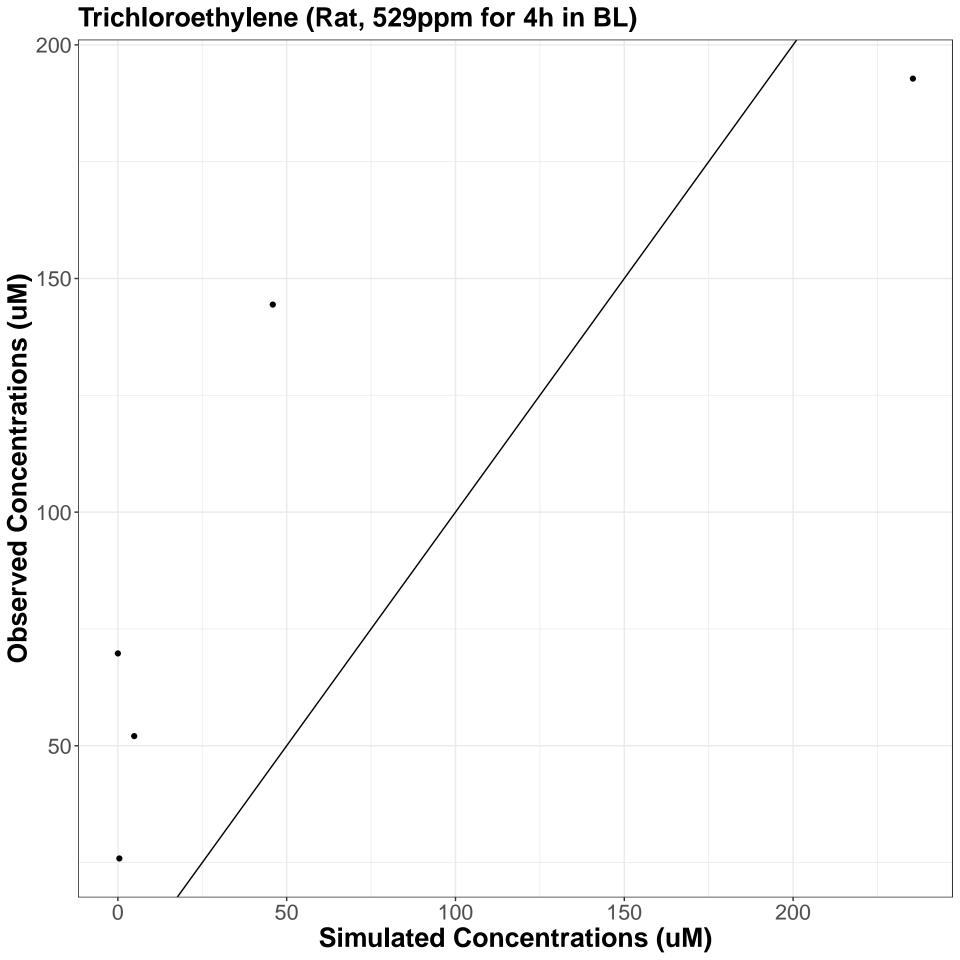
Trichloroethylene (Human, 50ppm for 4h in BL) 20 Observed Concentrations (uM) 5 2.5 5.0 Simulated Concentrations (uM) 0.0 7.5

Trichloroethylene (Human, 100ppm for 4h in BL) 20-15 5 0-5 10 Simulated Concentrations (uM) 15

Observed Concentrations (uM)

Trichloroethylene (Human, 100ppm for 4h in EB) 25 20 Observed Concentrations (uM) 5 0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**

Trichloroethylene (Rat, 100ppm for 4h in BL) 10 Observed Concentrations (uM) 0.000 -0.050-0.0250.025 0.0 **Simulated Concentrations (uM)**



Trichloroethylene (Rat, 600ppm for 4h in BL) 200-Observed Concentrations (uM) 100-100 200
Simulated Concentrations (uM) 300

Trichloroethylene (Rat, 600.4ppm for 4h in BL) 150-Observed Concentrations (uM) 120-90-60 30 -0.050 -0.0250.000 0.025 0.0 **Simulated Concentrations (uM)**

Trichloroethylene (Rat, 50ppm for 2h in EB) 30 Observed Concentrations (uM) 0 Simulated Concentrations (uM) 20

Trichloroethylene (Rat, 100ppm for 4h in EB) 40 Observed Concentrations (uM) 10 0 0.000 -0.0250.025 0.0 -0.050**Simulated Concentrations (uM)**

Trichloroethylene (Rat, 500ppm for 2h in EB) 300 Observed Concentrations (uM) 200-100-0 Simulated Concentrations (uM) 300

Trichloroethylene (Rat, 600ppm for 4h in VBL) 150-Observed Concentrations (uM) 100-50-100 200
Simulated Concentrations (uM) 300

Trichloroethylene (Rat, 600.4ppm for 4h in VBL) 200 150-100-50-100 200
Simulated Concentrations (uM) 300

Observed Concentrations (uM)

Vinyl chloride (Human, 2.5ppm for 0.25h in EB) 2.0 1.5 0.5 0.0 Simulated Concentrations (uM) 0.0

Observed Concentrations (uM)

Vinyl chloride (Human, 2.5ppm for 0.5h in EB) 1.5-Observed Concentrations (uM) 0.5 0.5 1.0 Simulated Concentrations (uM) 0.0 1.5