ICF IC Calibration Report (v1.1)

20250909 BLIZ SOUTH: Anion 44 & Cation 38

Generated 2025-11-26 17:19:10 by MHarris (HUTL21335)

Contents

This is an automatically generated report for the following calibration sequence:

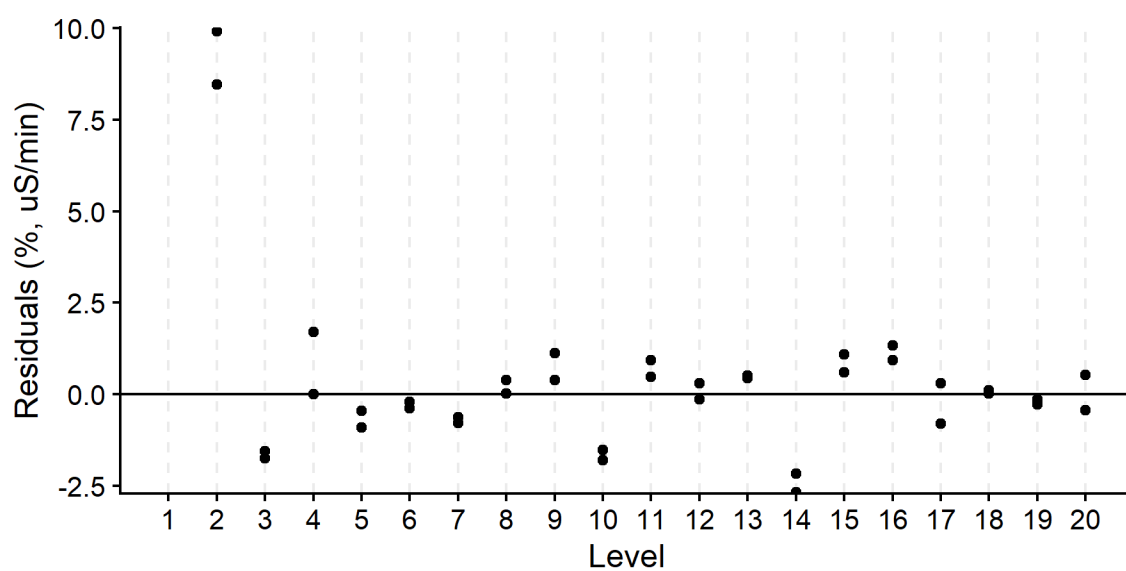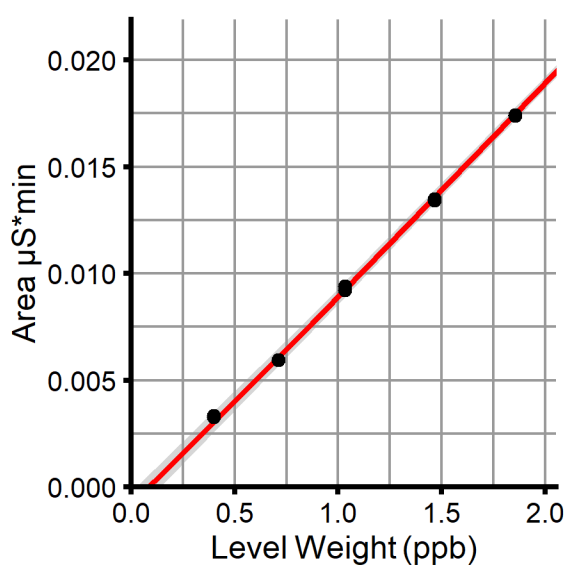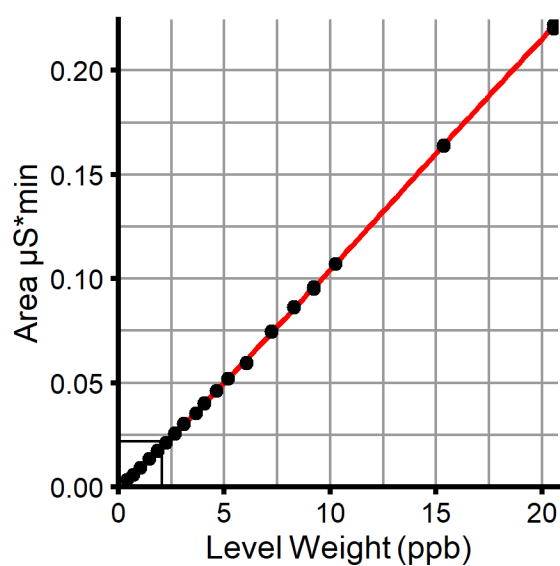20250909_BLIZ_SOUTH_Calibration_Anion_44_Cation_38.xls

Anions

Fluoride

Fluoride, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$y = -2.903E-06*x^3 + 1.143E-04*x^2 + 9.676E-03*x - 8.842E-04$
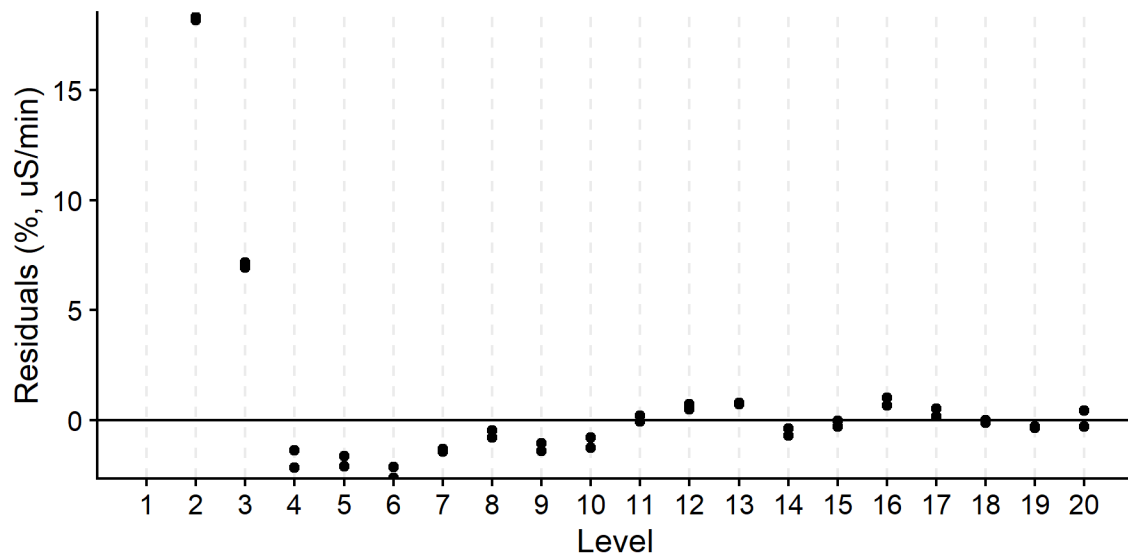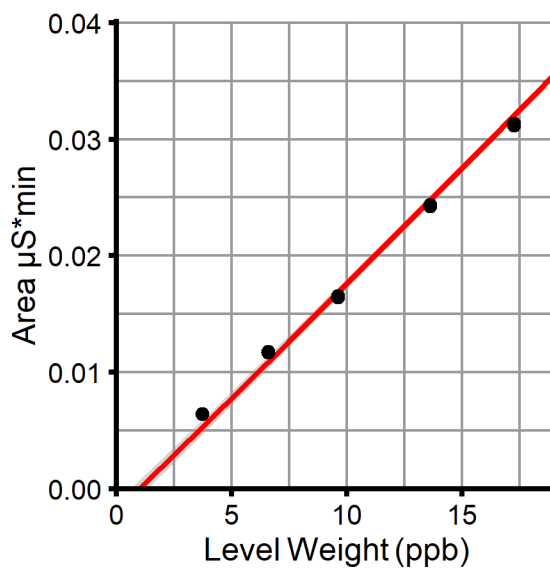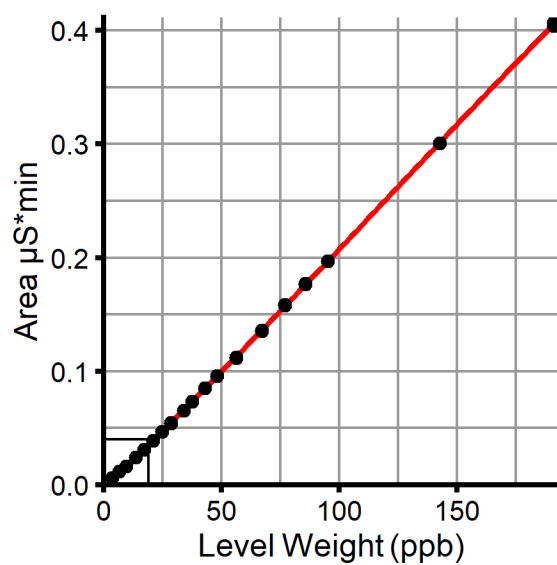
$R^2 = 0.9999$

MSA

MSA, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

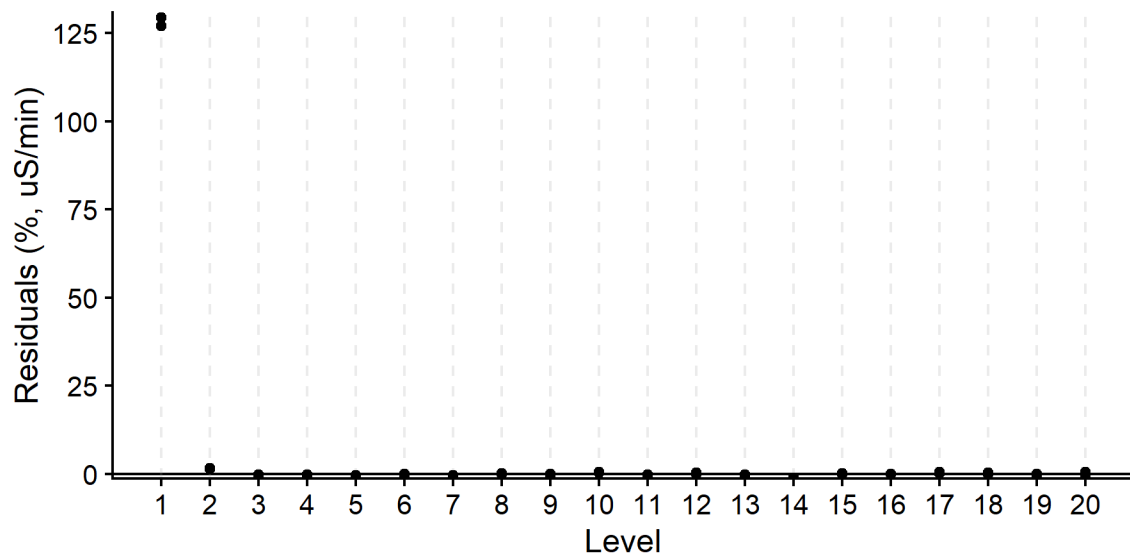$y = -6.501E-09*x^3 + 2.323E-06*x^2 + 1.927E-03*x - 1.91E-03$

$R^2 = 0.99994$

Chloride

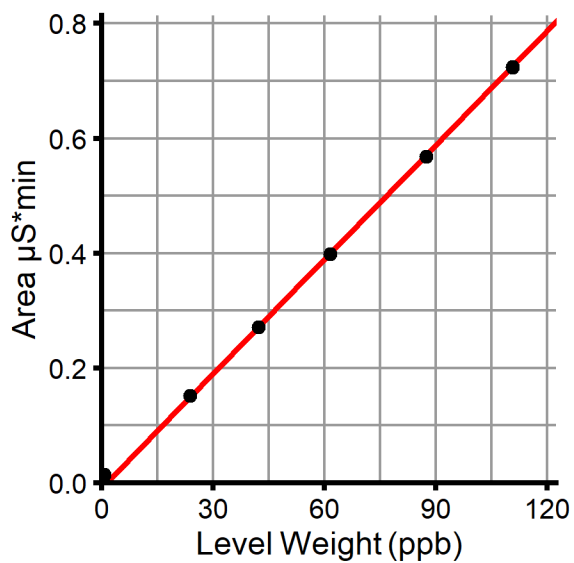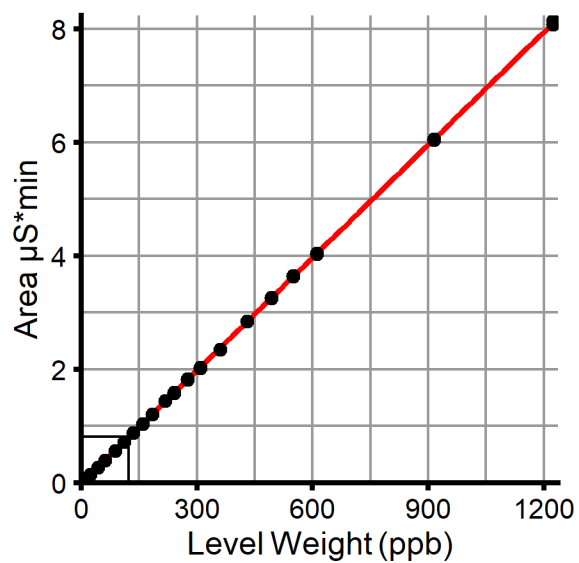--

Chloride, valid n = 40, Lin, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

y = 6.628E-03*x - 8.491E-03

R^2 = 0.99996

Nitrite

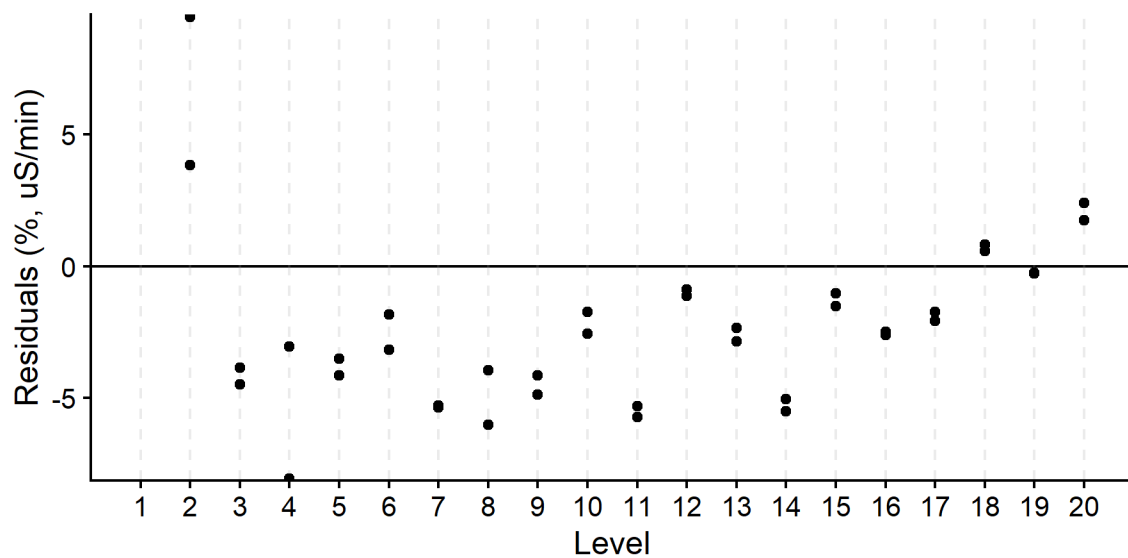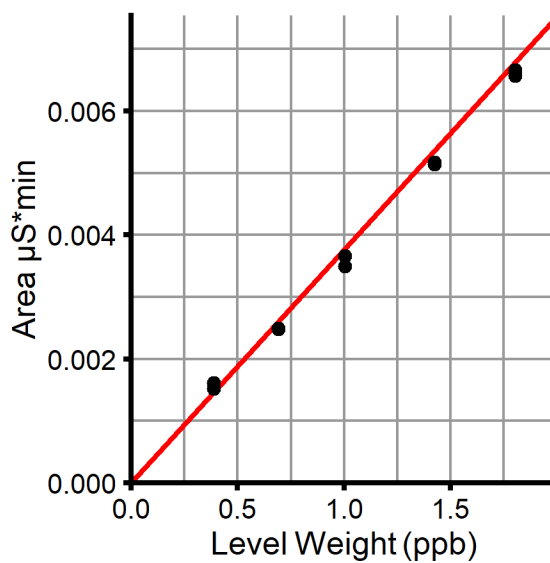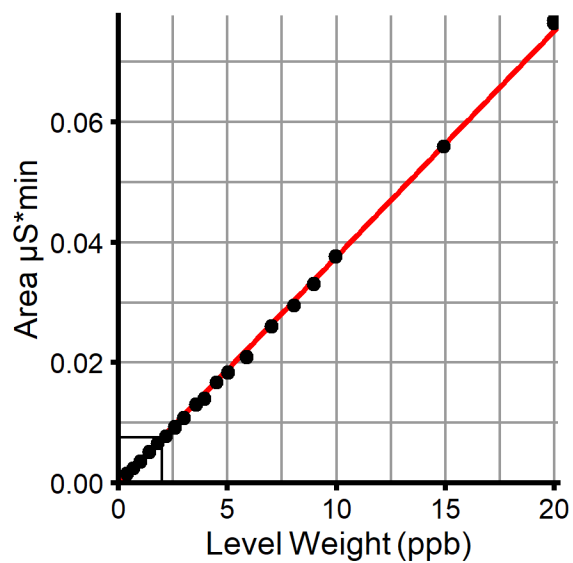--

Nitrite, valid n = 38, Lin

BLIZ_SOUTH, Anion 44, 09/09/2025
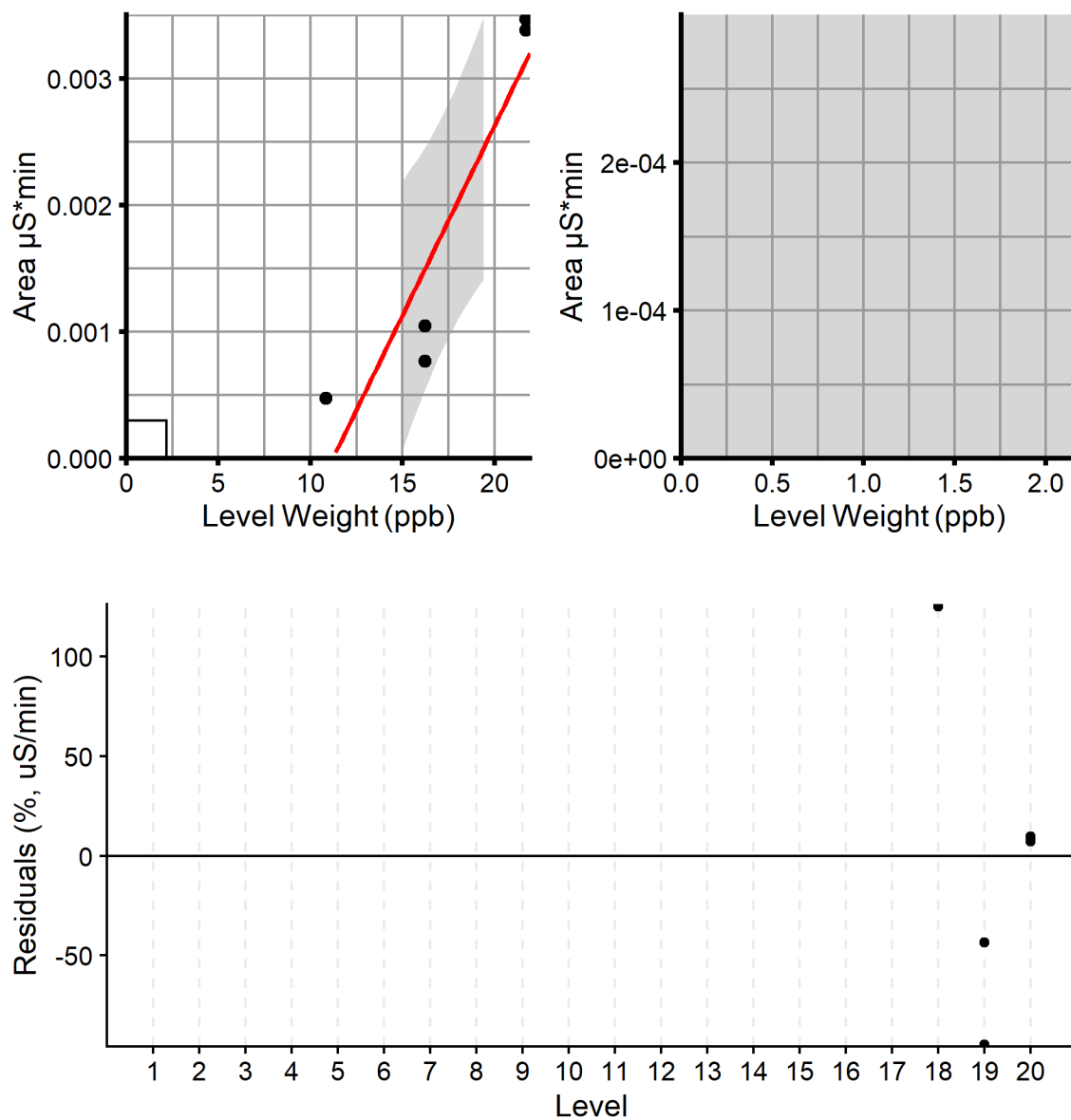
y = 3.76E-03*x

R^2 = 0.99955

Bromide

Bromide, valid n = 5, Lin, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

y = 2.992E-04*x - 3.356E-03

R^2 = 0.85419

Nitrate

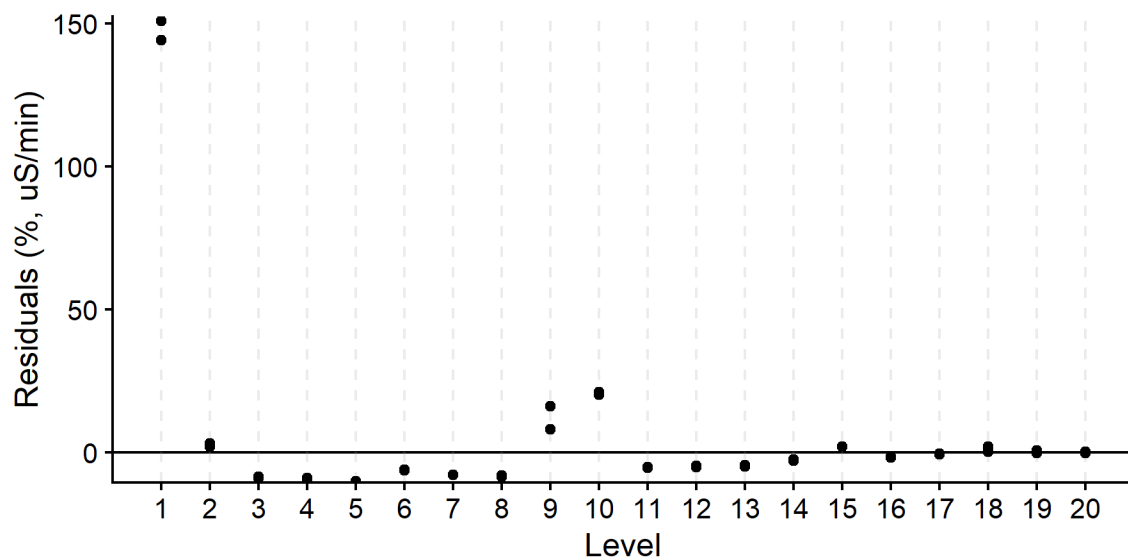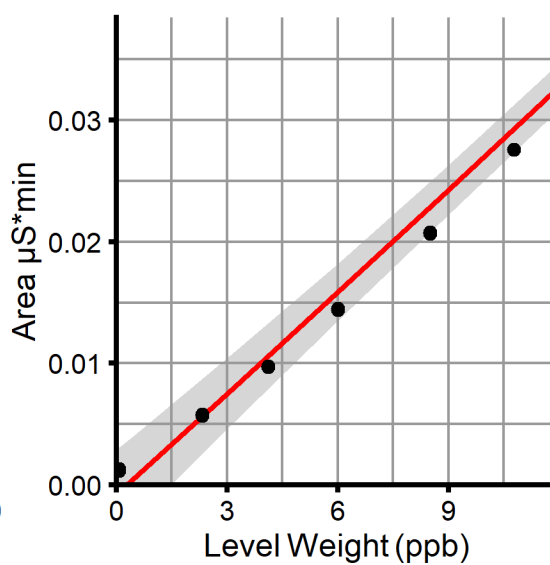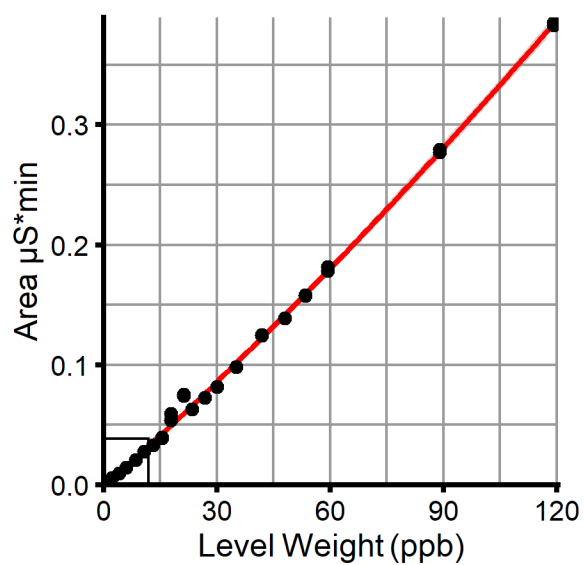
Nitrate, valid n = 40, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$y = -4.394E\text{-}08*x^3 + 1.148E\text{-}05*x^2 + 2.48E\text{-}03*x - 5.304E\text{-}04$
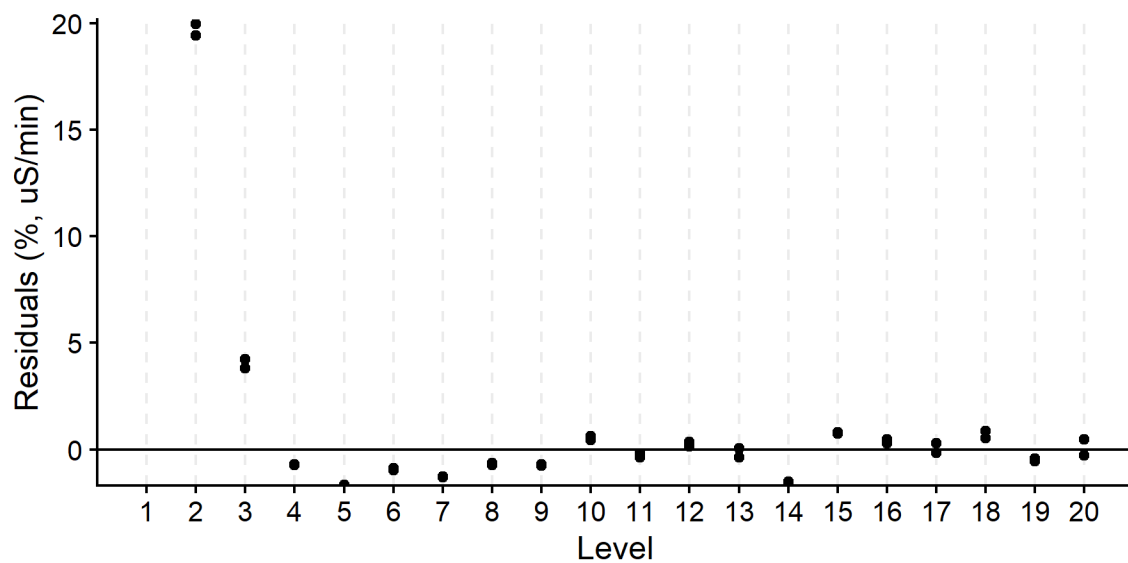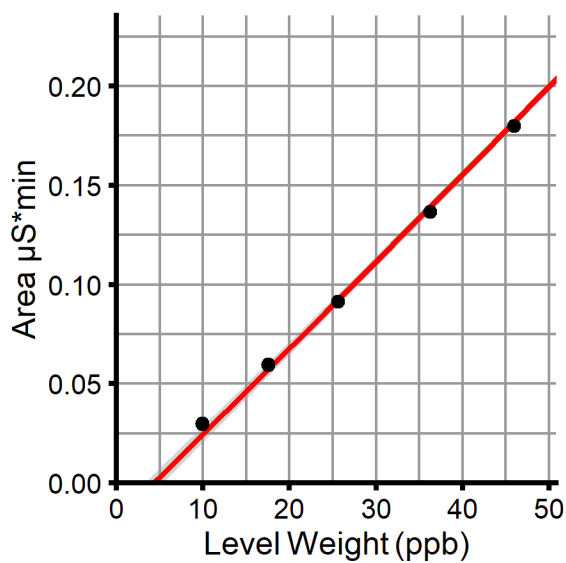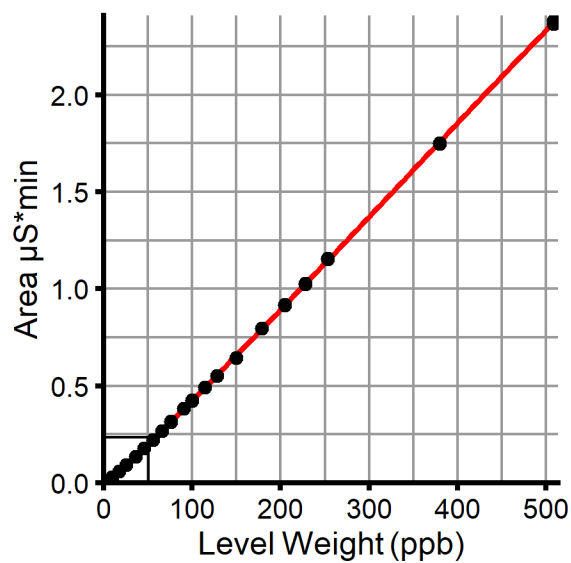
$R^2 = 0.99784$

Sulphate

Sulphate, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$y = -1.571E-09*x^3 + 1.615E-06*x^2 + 4.292E-03*x - 1.862E-02$

$R^2 = 0.99993$

Phosphate

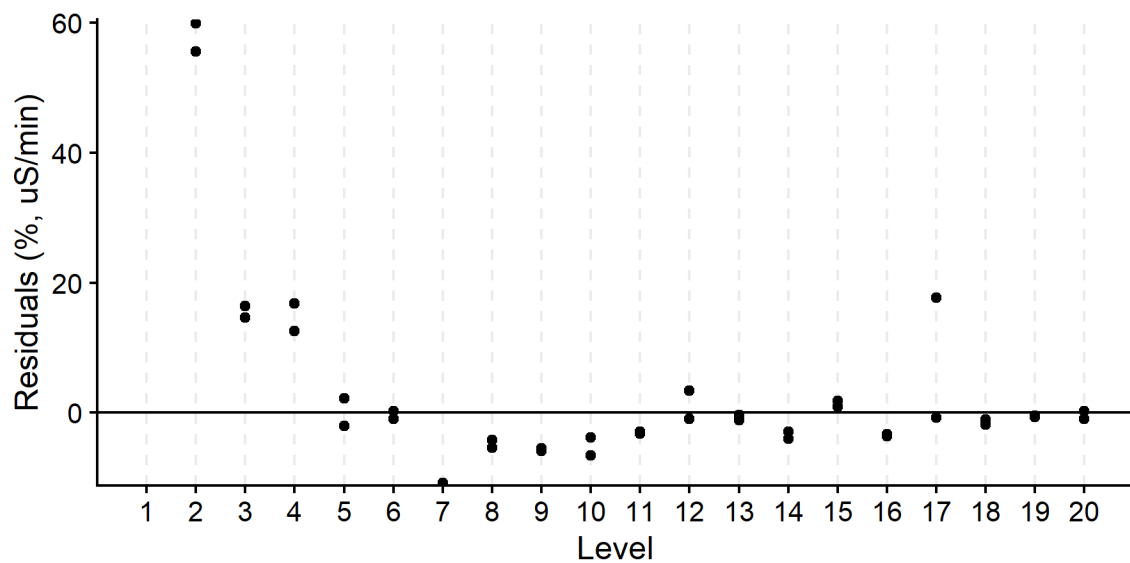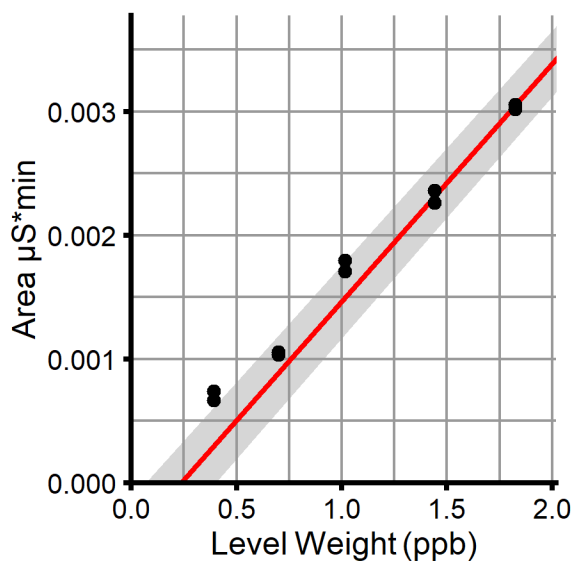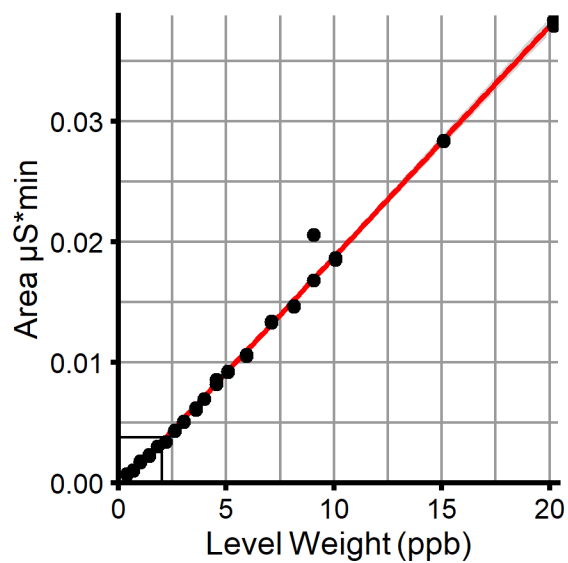------------------------------------

Phosphate, valid n = 38, Lin, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025
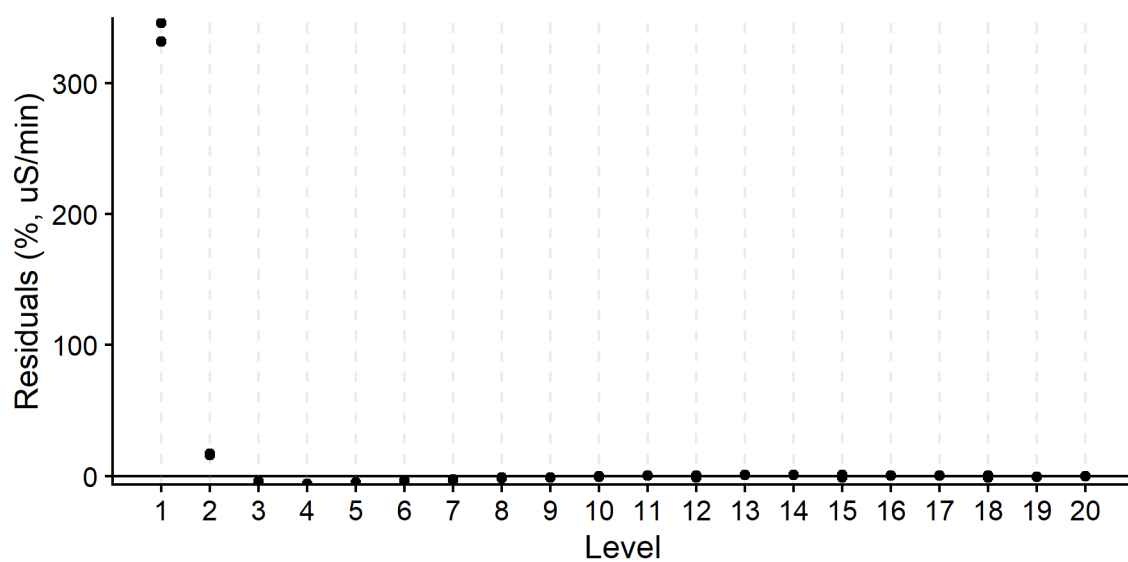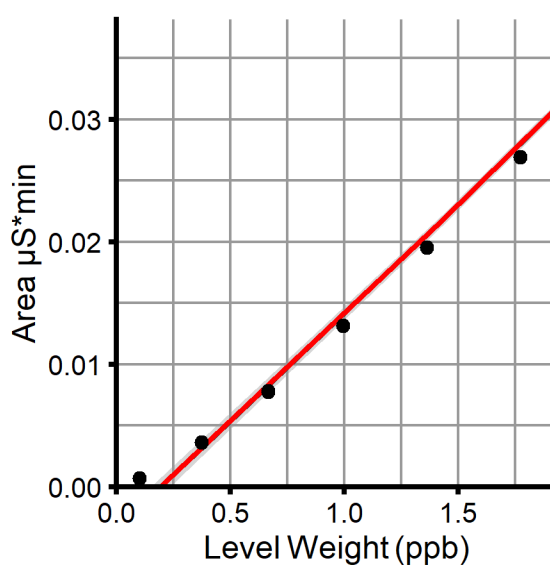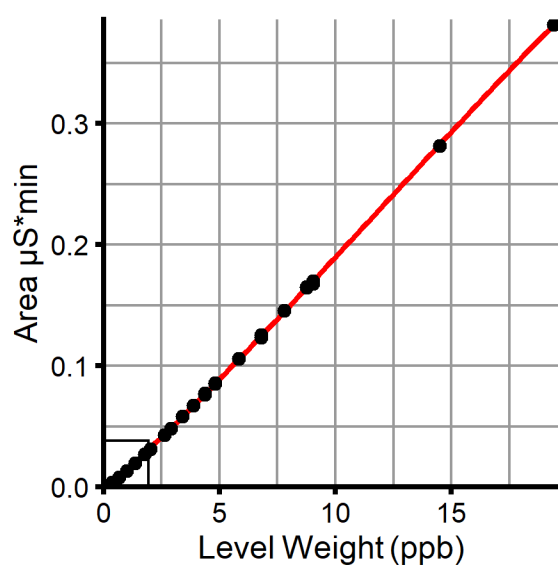
y = 1.921E-03*x - 4.571E-04

R^2 = 0.99554

Cations

Lithium

Lithium, valid n = 40, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$y = -8.146E-06*x^3 + 2.953E-04*x^2 + 1.717E-02*x - 3.437E-03$

$R^2 = 0.99991$

Sodium

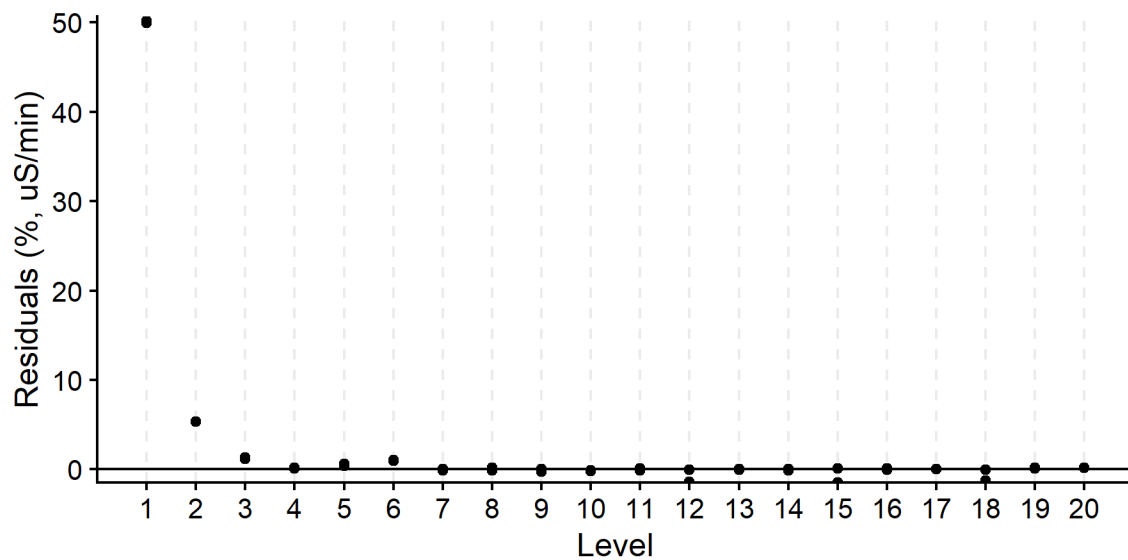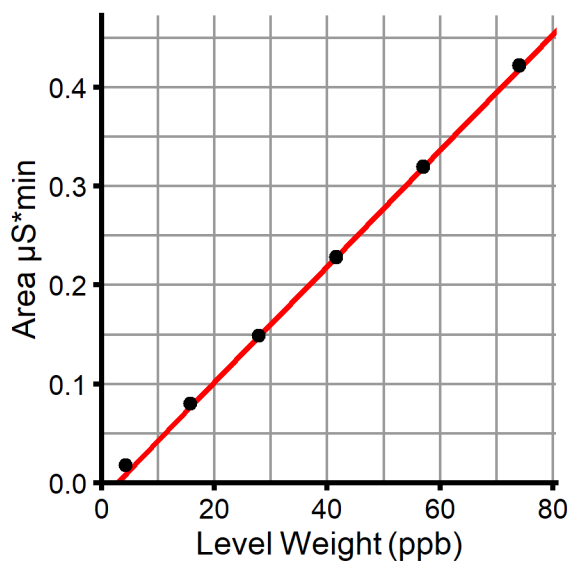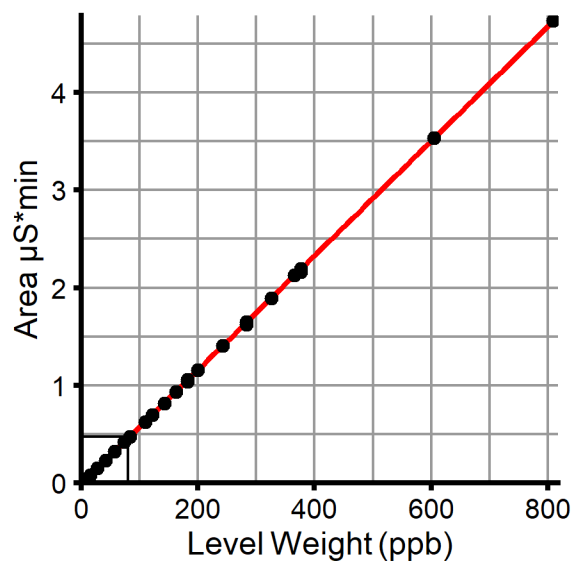
Sodium, valid n = 40, Lin, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$y = 5.864E\text{-}03*x - 1.576E\text{-}02$

$R^2 = 0.99996$

Ammonium
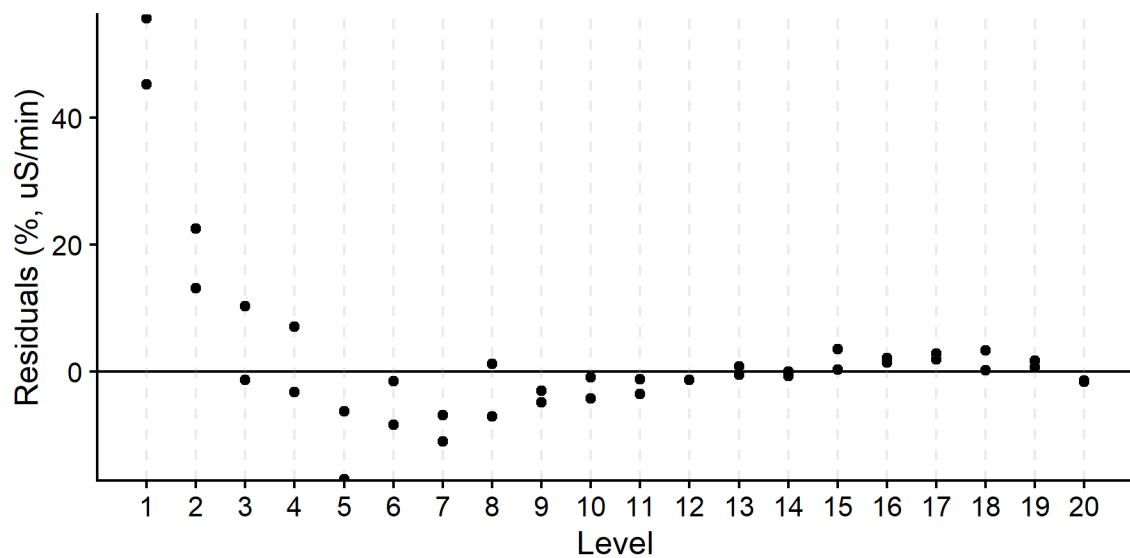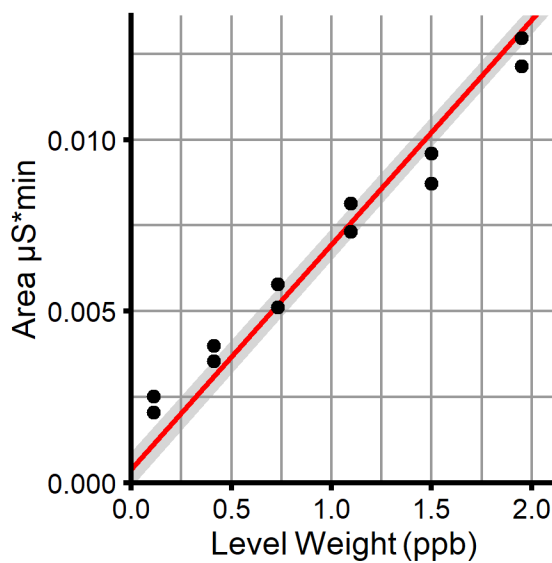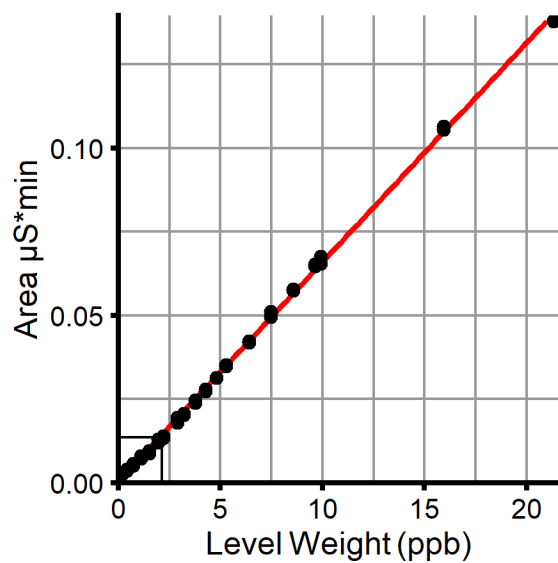

Ammonium, valid n = 40, Lin, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

y = 6.552E-03*x + 3.918E-04

R^2 = 0.99907

Potassium

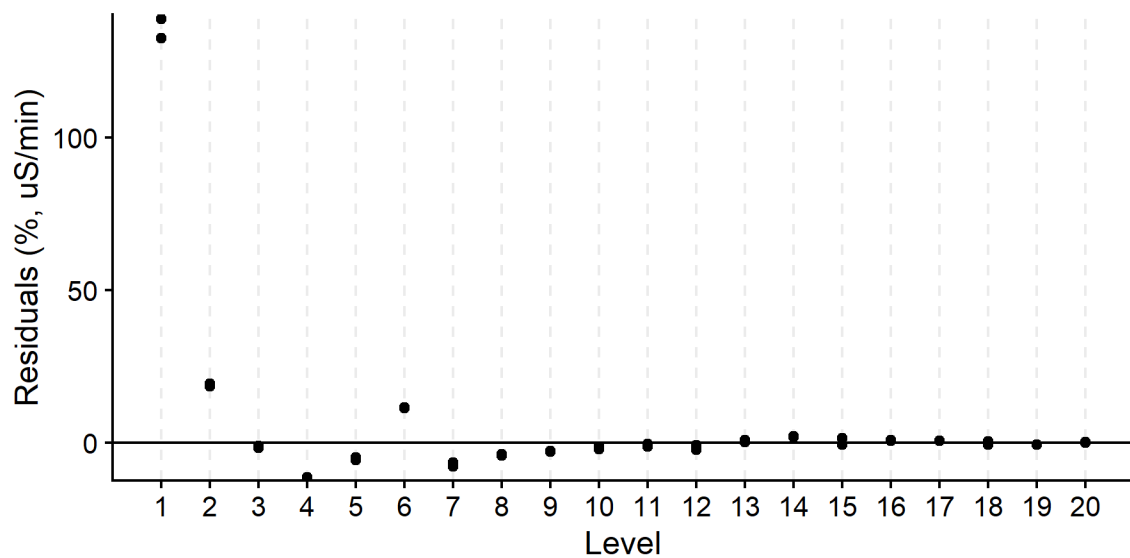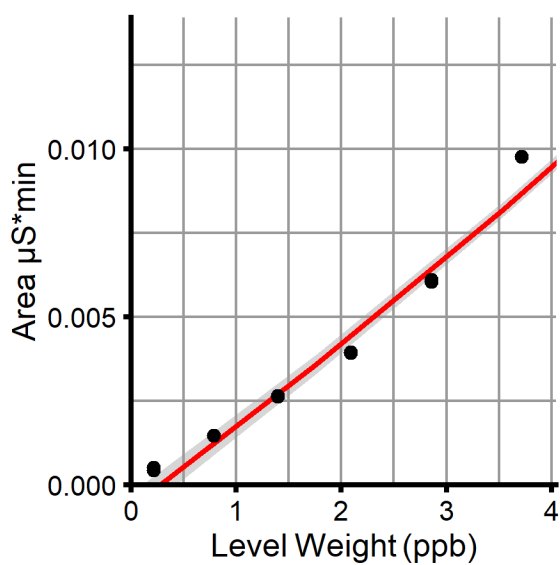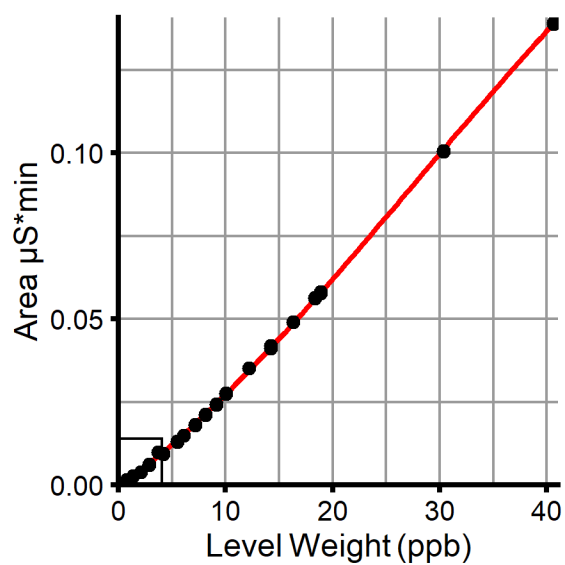
Potassium, valid n = 40, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$y = -6.464E-07*x^3 + 5.379E-05*x^2 + 2.318E-03*x - 6.615E-04$

$R^2 = 0.9998$

Magnesium

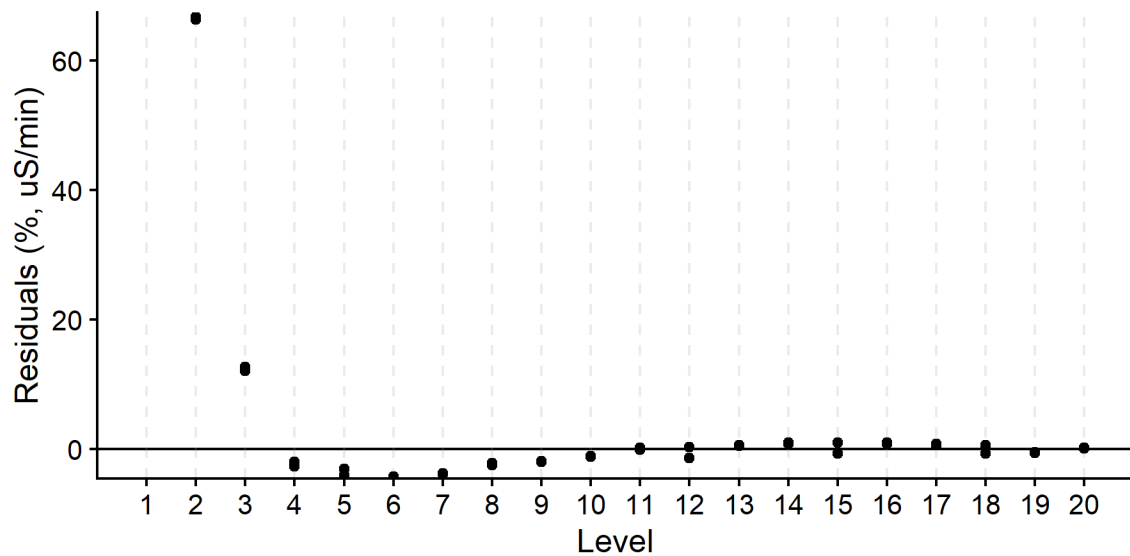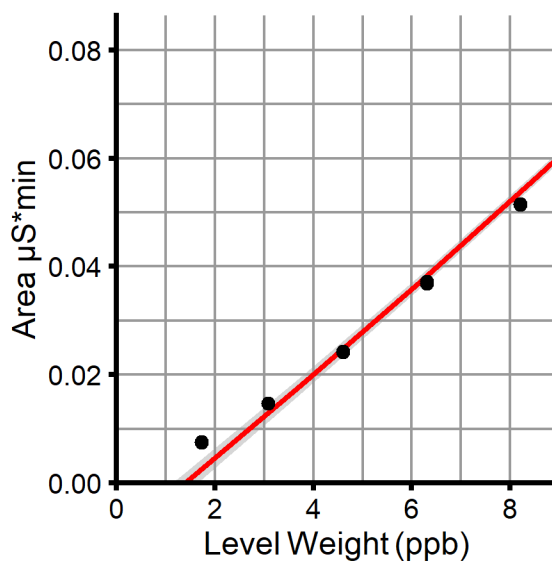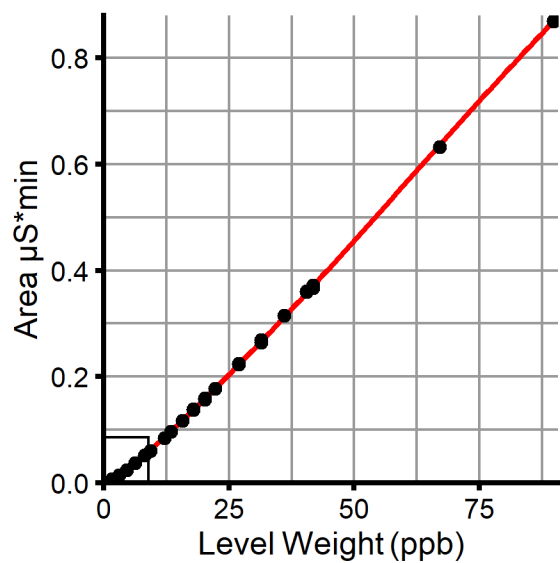
Magnesium, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$y = -2.981E-07*x^3 + 5.336E-05*x^2 + 7.412E-03*x - 1.048E-02$

$R^2 = 0.99989$

Calcium

Calcium, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$y = -4.302E-07*x^3 + 5.922E-05*x^2 + 3.207E-03*x - 2.096E-03$

$R^2 = 0.99957$