ICF IC Calibration Report (v1)

20250909 BLIZ SOUTH: Anion 44 & Cation 38

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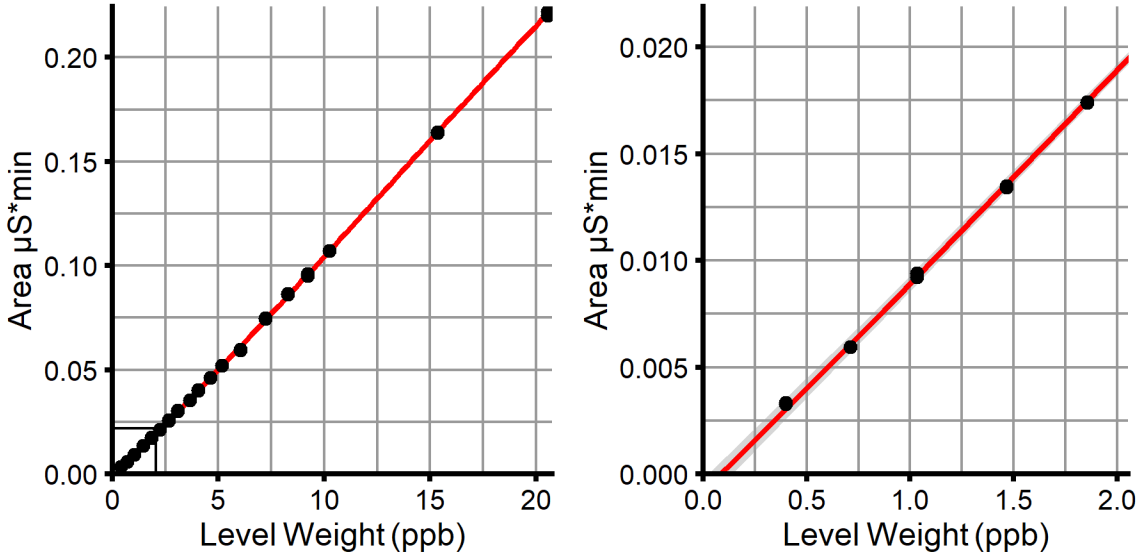
Contents

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

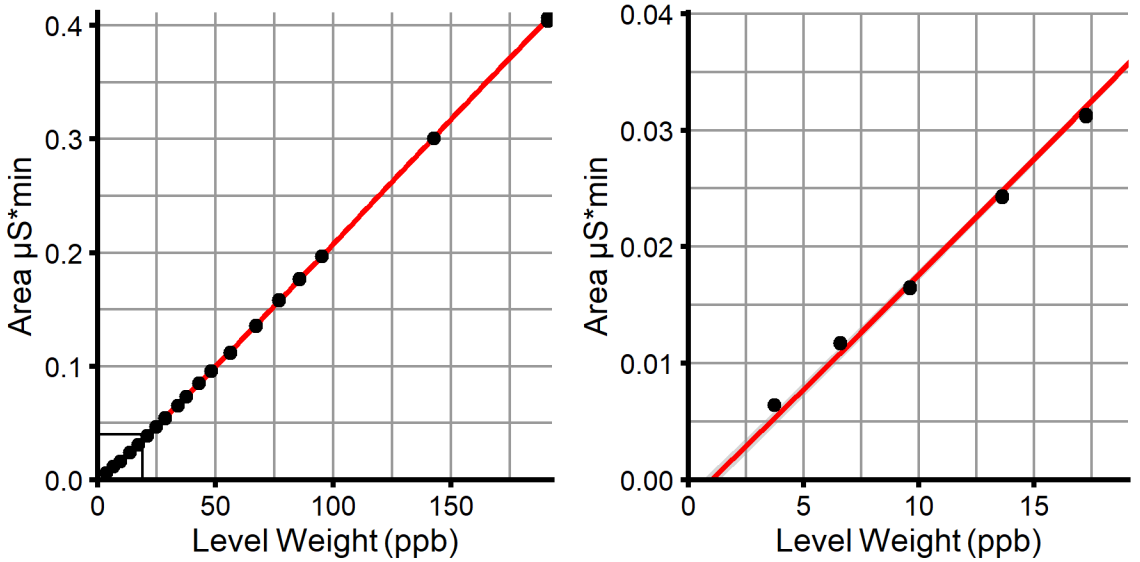
20250909_BLIZ_SOUTH_Calibration_Anion_44_Cation_38.xls

Anions

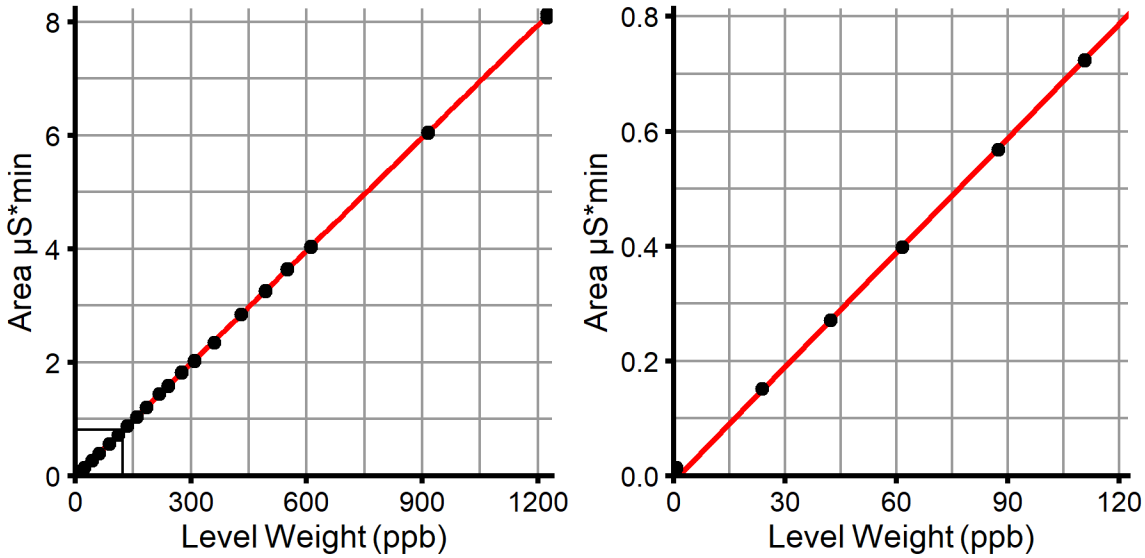
Fluoride, valid n = 38, Cubic, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
$y = -2.903E-06*x^3 + 1.143E-04*x^2 + 9.676E-03*x - 8.842E-04$
$R^2 = 0.9999$



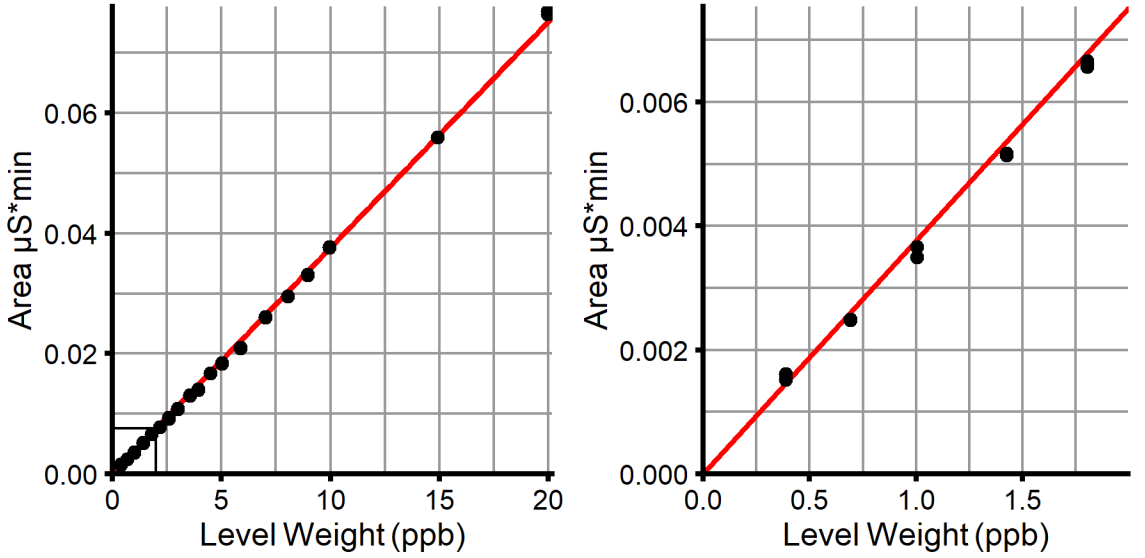
MSA, valid n = 38, Cubic, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
$y = -6.501E-09*x^3 + 2.323E-06*x^2 + 1.927E-03*x - 1.91E-03$
$R^2 = 0.99994$



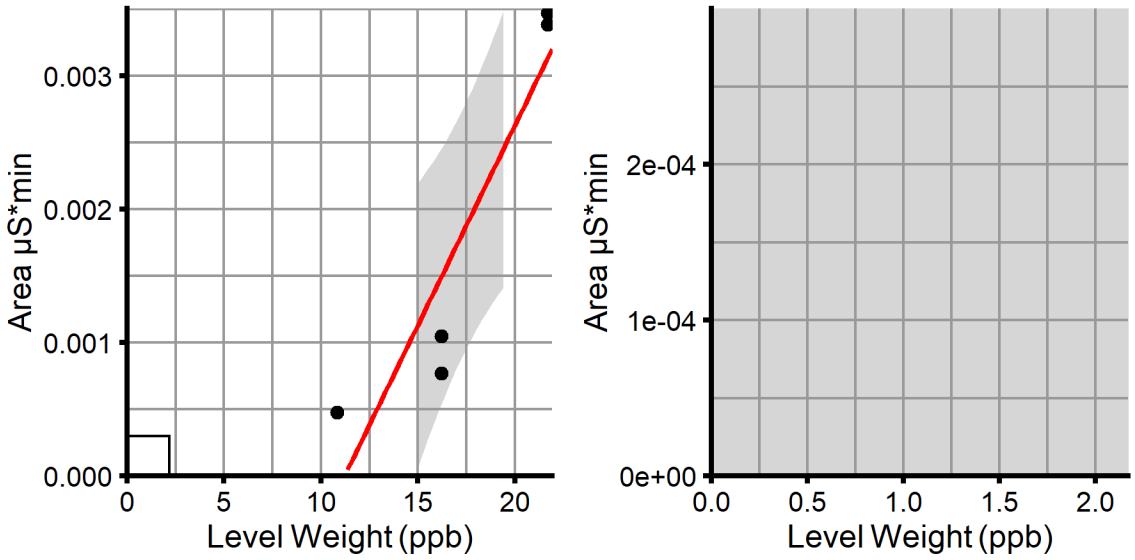
Chloride, valid n = 40, Lin, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
y = 6.628E-03*x - 8.491E-03
R^2 = 0.99996



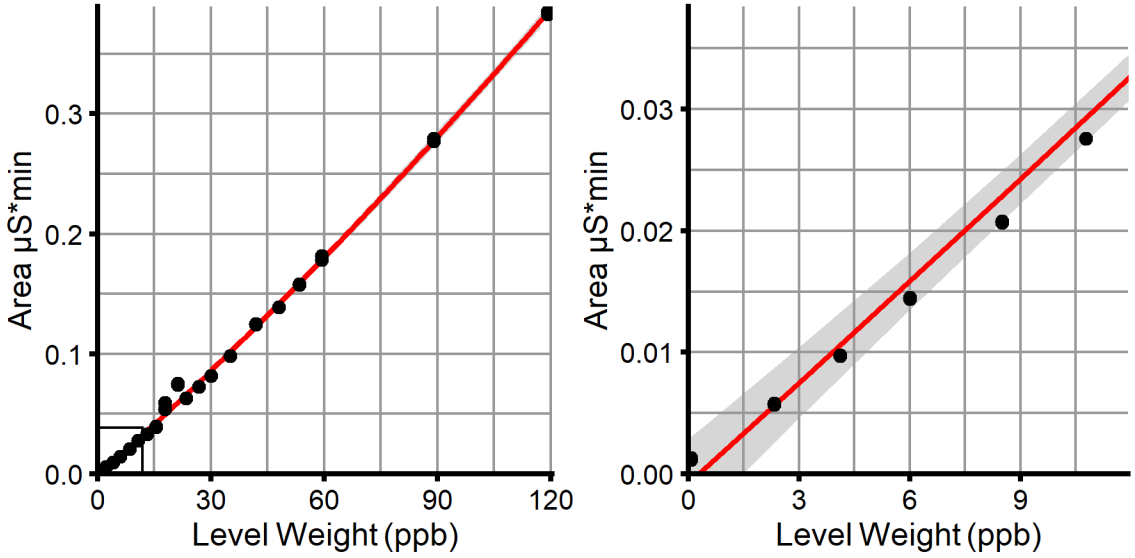
Nitrite, valid n = 38, Lin
BLIZ_SOUTH, Anion 44, 09/09/2025
y = 3.76E-03*x
R^2 = 0.99955



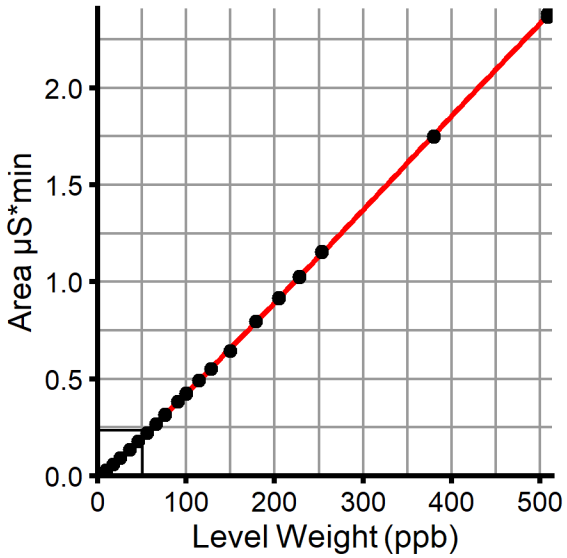
Bromide, valid n = 5, Lin, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
y = 2.992E-04*x - 3.356E-03
R^2 = 0.85419

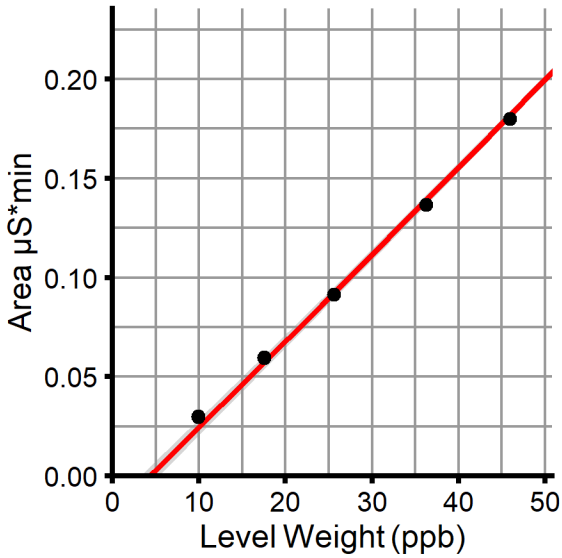


Nitrate, valid n = 40, Cubic, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
$y = -4.394E-08*x^3 + 1.148E-05*x^2 + 2.48E-03*x - 5.304E-04$
$R^2 = 0.99784$

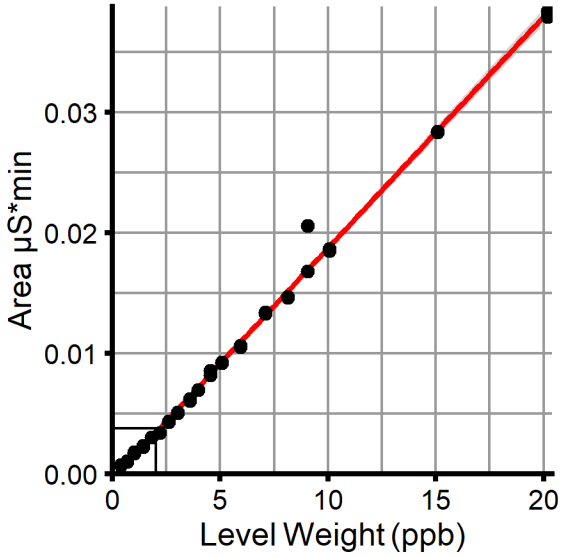


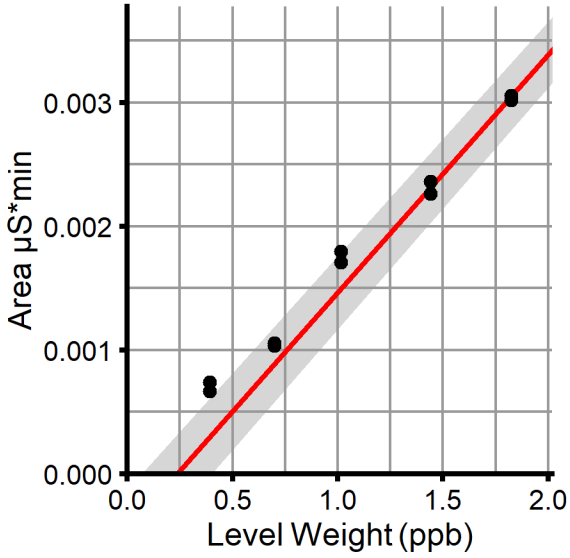
Sulphate, valid n = 38, Cubic, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
$y = -1.571E-09*x^3 + 1.615E-06*x^2 + 4.292E-03*x - 1.862E-02$
$R^2 = 0.99993$





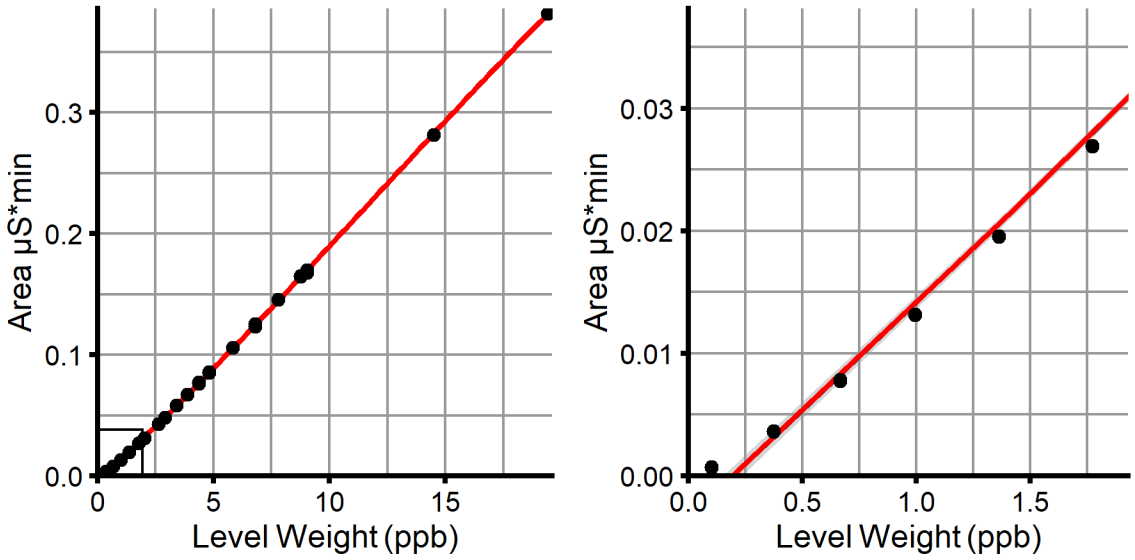
Phosphate, valid n = 38, Lin, WithOffset
BLIZ_SOUTH, Anion 44, 09/09/2025
y = 1.921E-03*x - 4.571E-04
R^2 = 0.99554



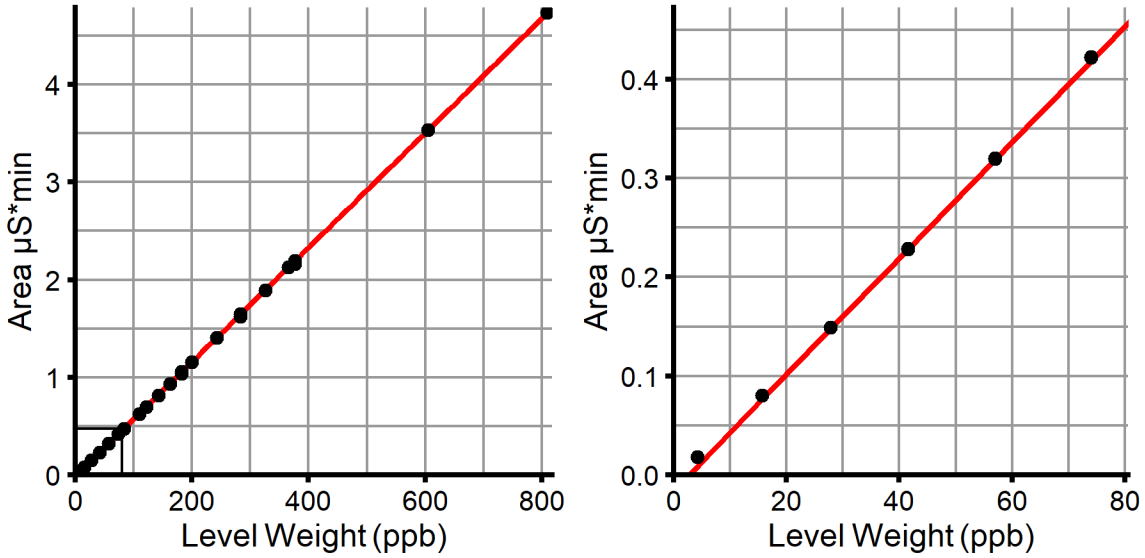


Cations

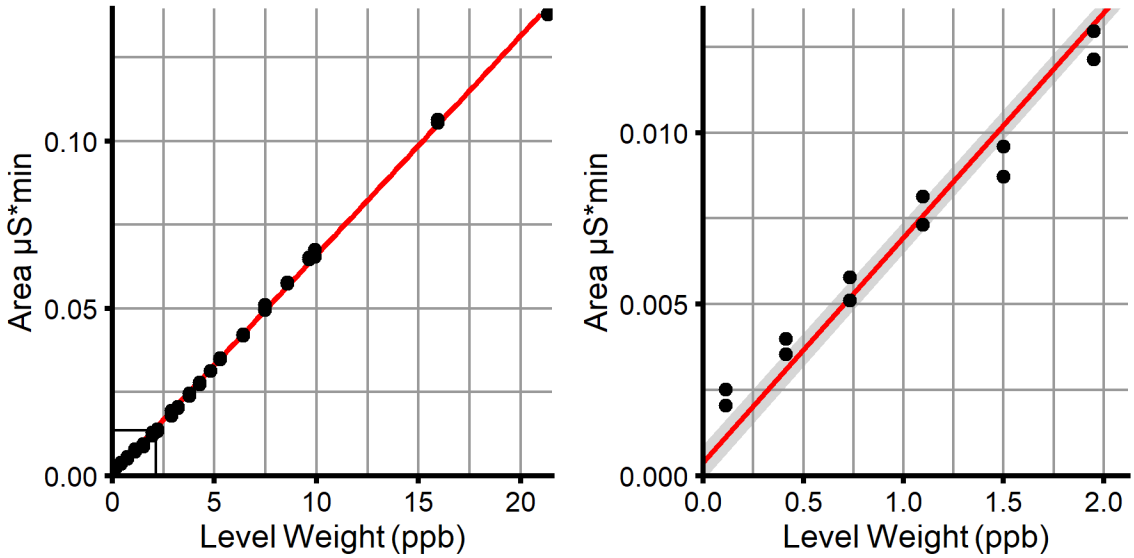
Lithium, valid n = 40, Cubic, WithOffset
BLIZ_SOUTH, Cation 38, 09/09/2025
$y = -8.146E-06*x^3 + 2.953E-04*x^2 + 1.717E-02*x - 3.437E-03$
$R^2 = 0.99991$



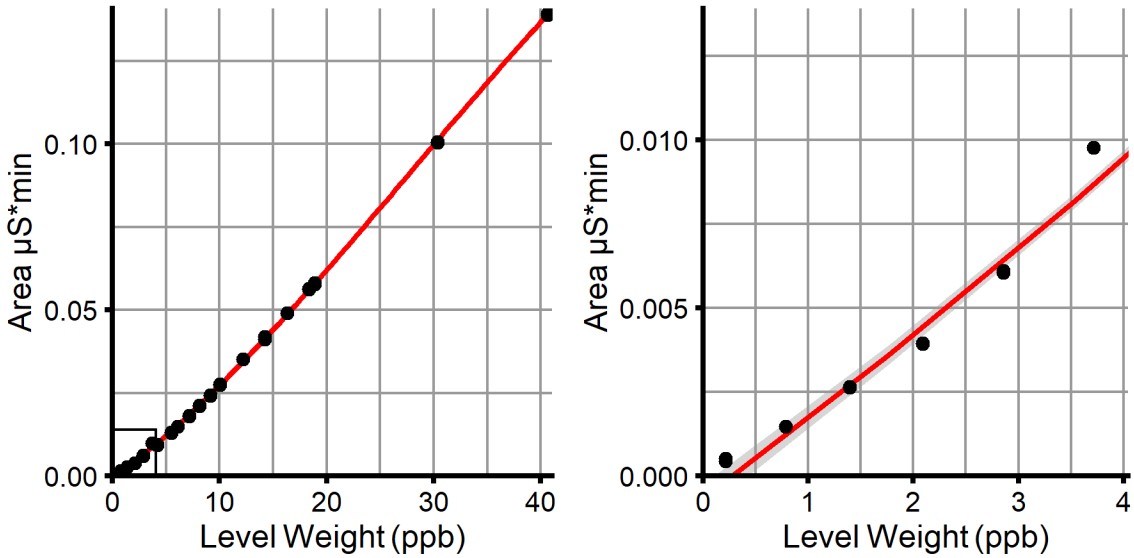
Sodium, valid n = 40, Lin, WithOffset
BLIZ_SOUTH, Cation 38, 09/09/2025
$y = 5.864E-03*x - 1.576E-02$
$R^2 = 0.99996$



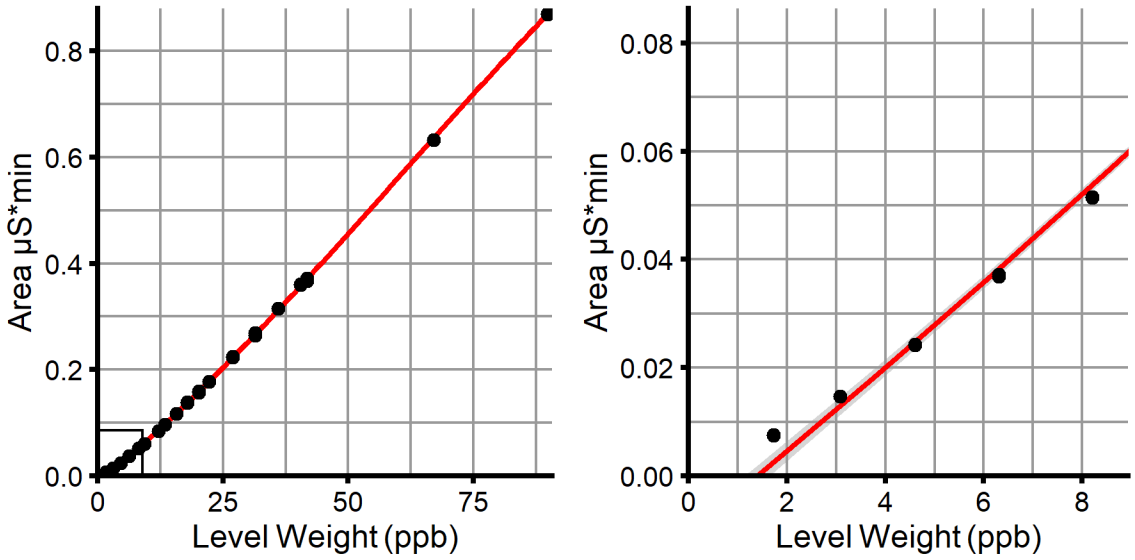
Ammonium, valid n = 40, Lin, WithOffset
BLIZ_SOUTH, Cation 38, 09/09/2025
y = 6.552E-03*x + 3.918E-04
R^2 = 0.99907



Potassium, 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, 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, valid n = 38, Cubic, WithOffset
BLIZ_SOUTH, Cation 38, 09/09/2025
$y = -4.302E-07*x^3 + 5.922E-05*x^2 + 3.207E-03*x - 2.096E-03$
$R^2 = 0.99957$