ICF IC Calibration Report (v1.1)

20250909 BLIZZARD NORTH: Anion 44 & Cation 38

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Contents

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

20250909_BLIZZARD_NORTH_Calibration_Anion_44_Cation_38.xls

Anions

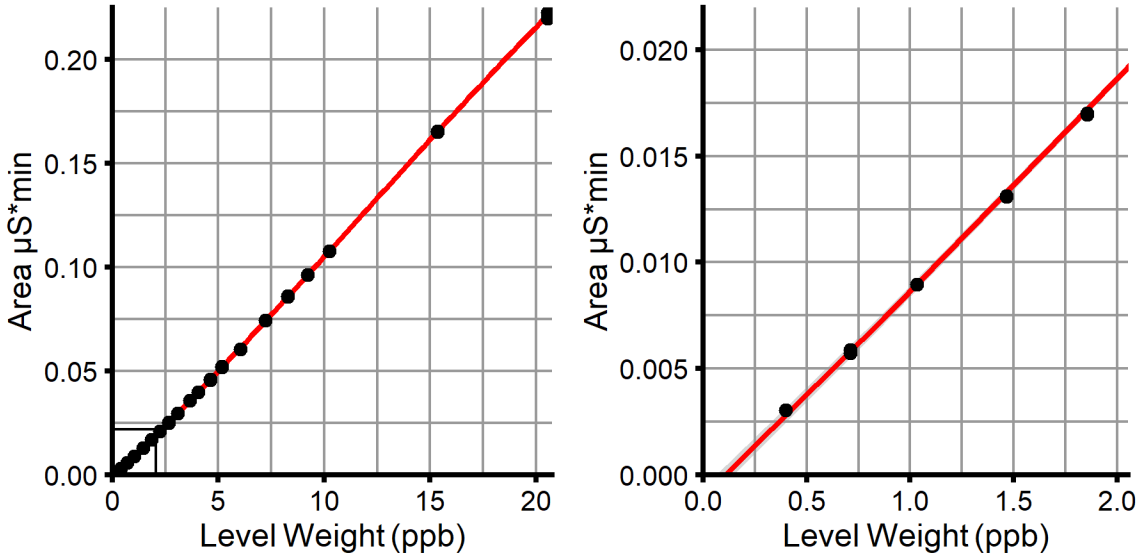
Fluoride

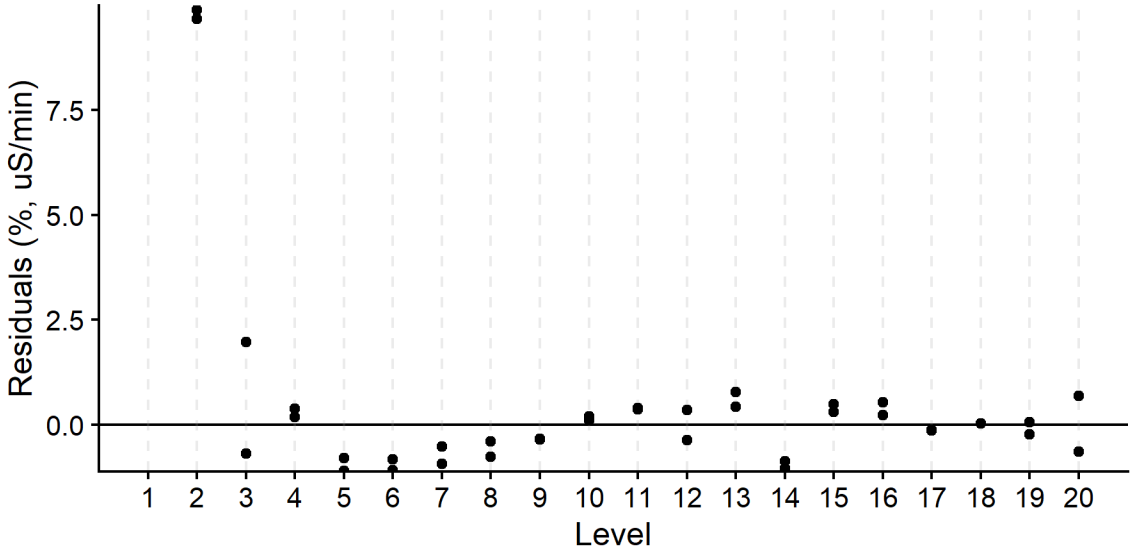
Fluoride, valid n = 38, Cubic, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -4.179E-06*x^3 + 1.47E-04*x^2 + 9.571E-03*x - 1.106E-03$

$R^2 = 0.99995$





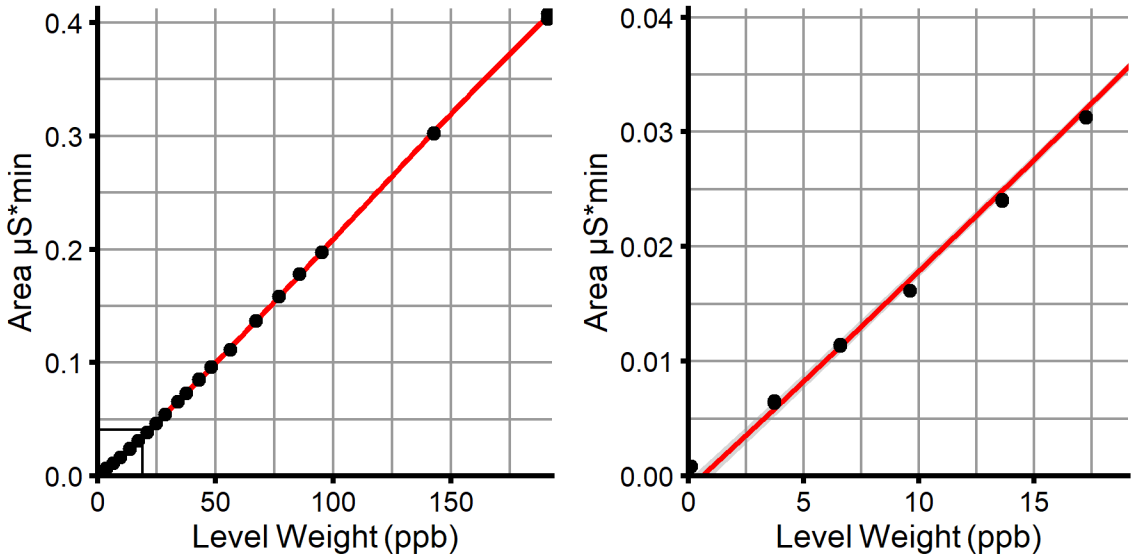
MSA

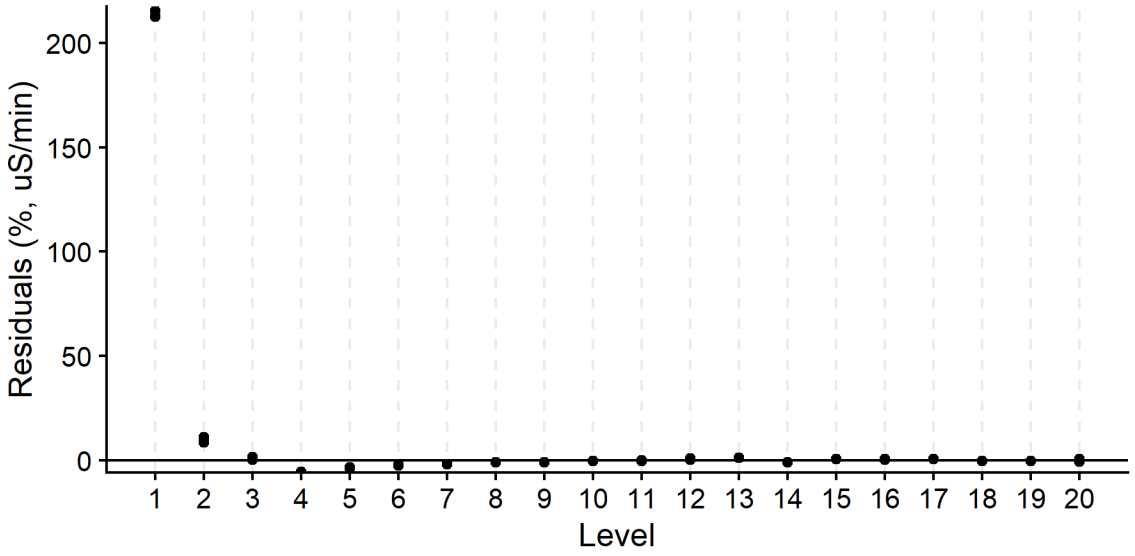
MSA, valid n = 40, Cubic, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -1.056E-08*x^3 + 3.396E-06*x^2 + 1.866E-03*x - 1.139E-03$

$R^2 = 0.99991$





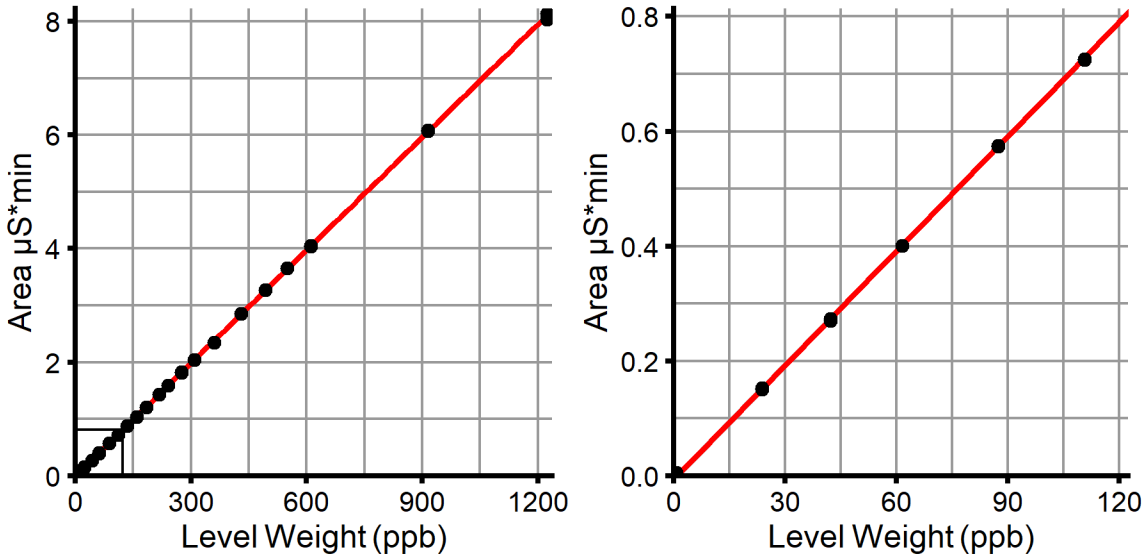
Chloride

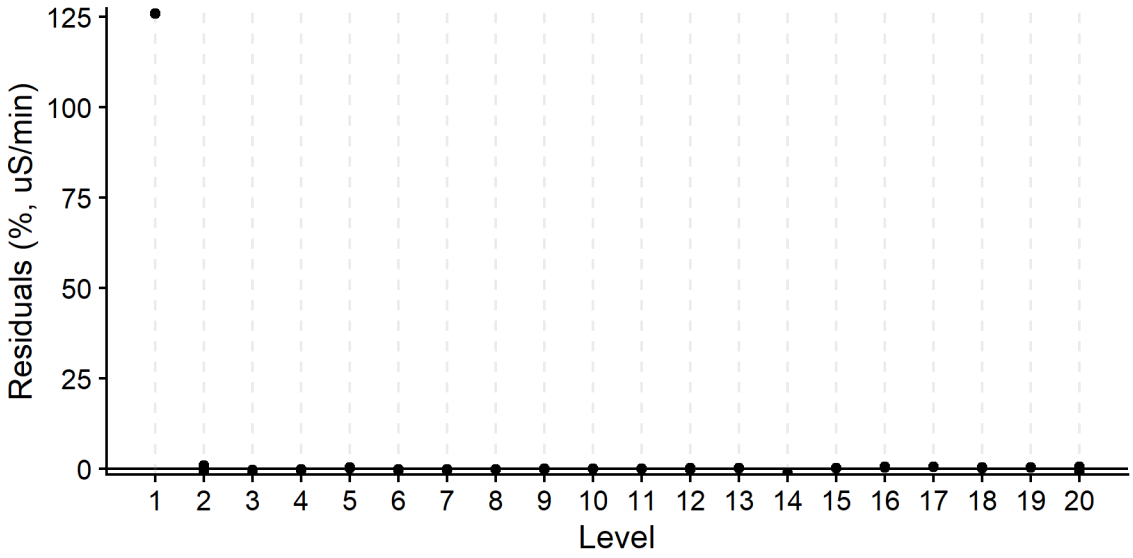
Chloride, valid n = 40, Lin, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

y = 6.627E-03*x - 5.88E-03

R^2 = 0.99994





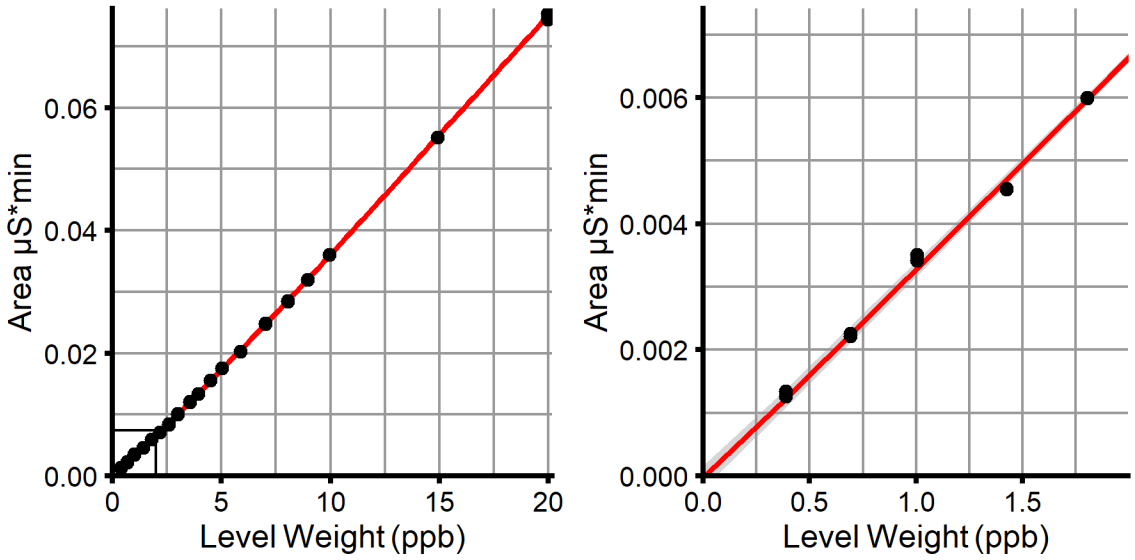
Nitrite

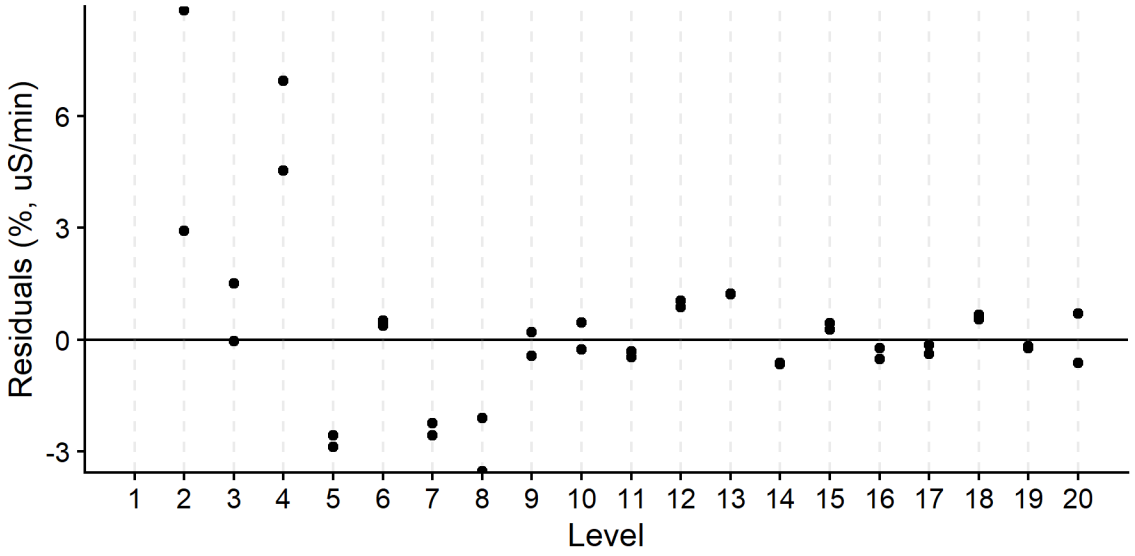
Nitrite, valid n = 38, Cubic, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -1.067E-06*x^3 + 4.633E-05*x^2 + 3.251E-03*x - 4.463E-05$

$R^2 = 0.99991$





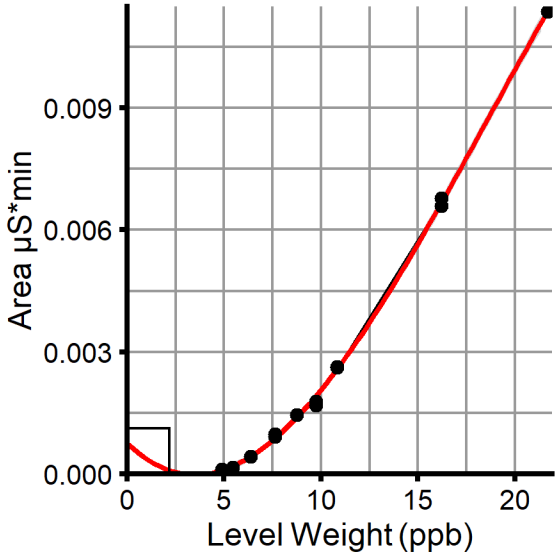
Bromide

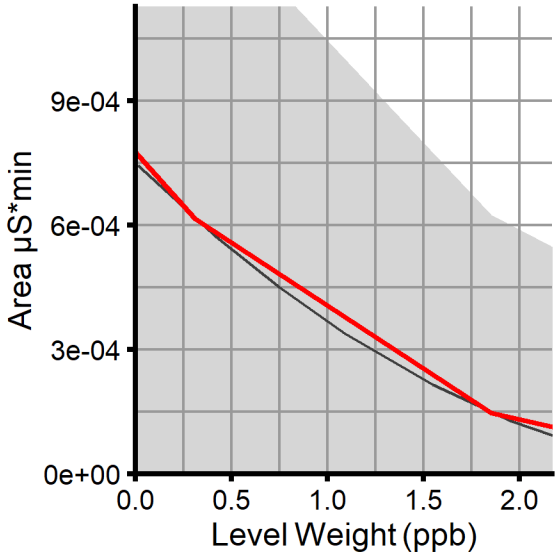
Bromide, valid n = 16, Cubic, WithOffset

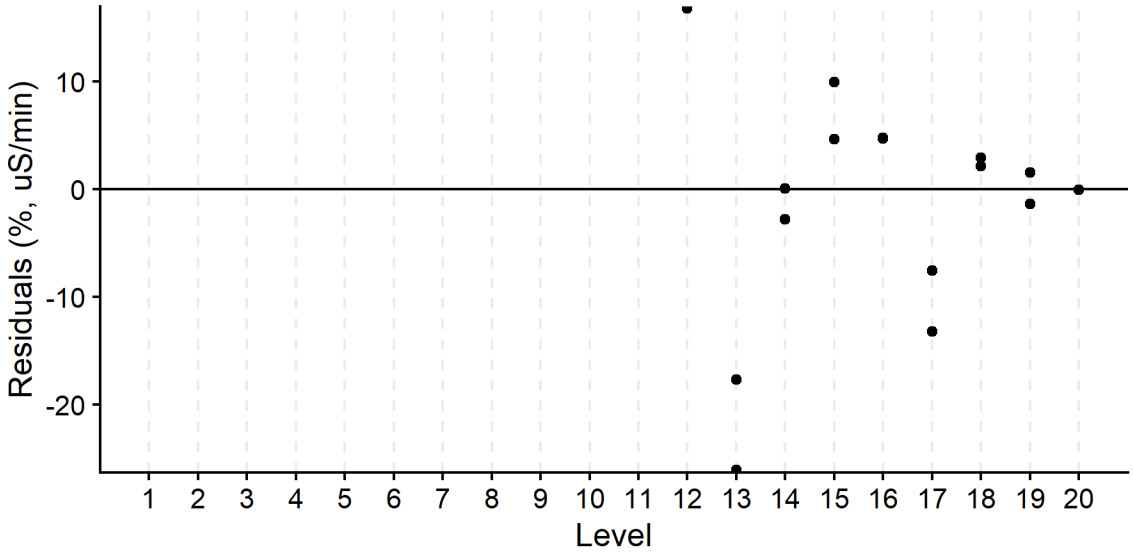
BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -1.273E-06*x^3 + 7.098E-05*x^2 - 4.513E-04*x + 7.485E-04$

$R^2 = 0.99919$







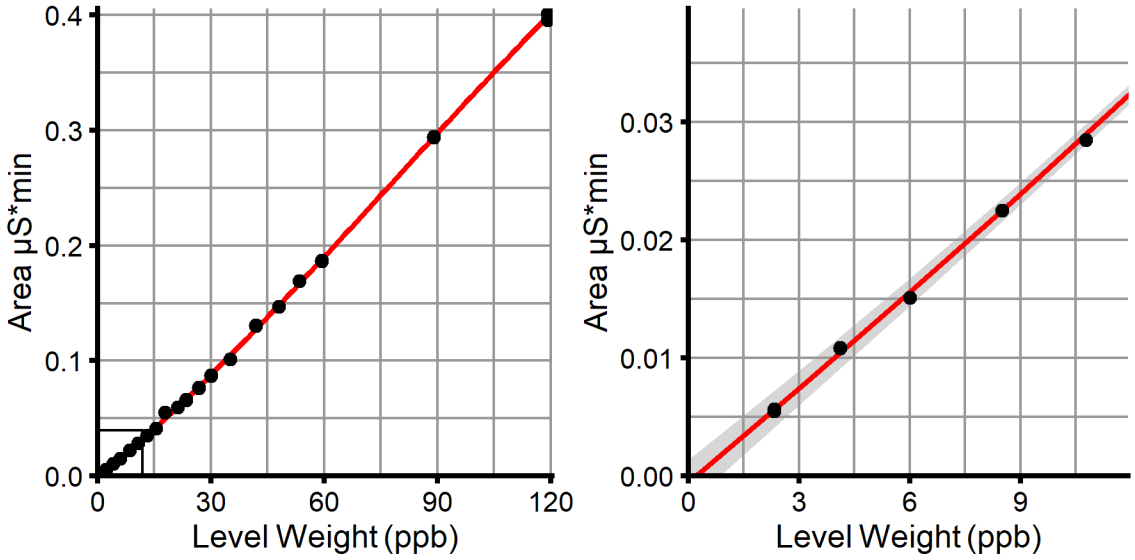
Nitrate

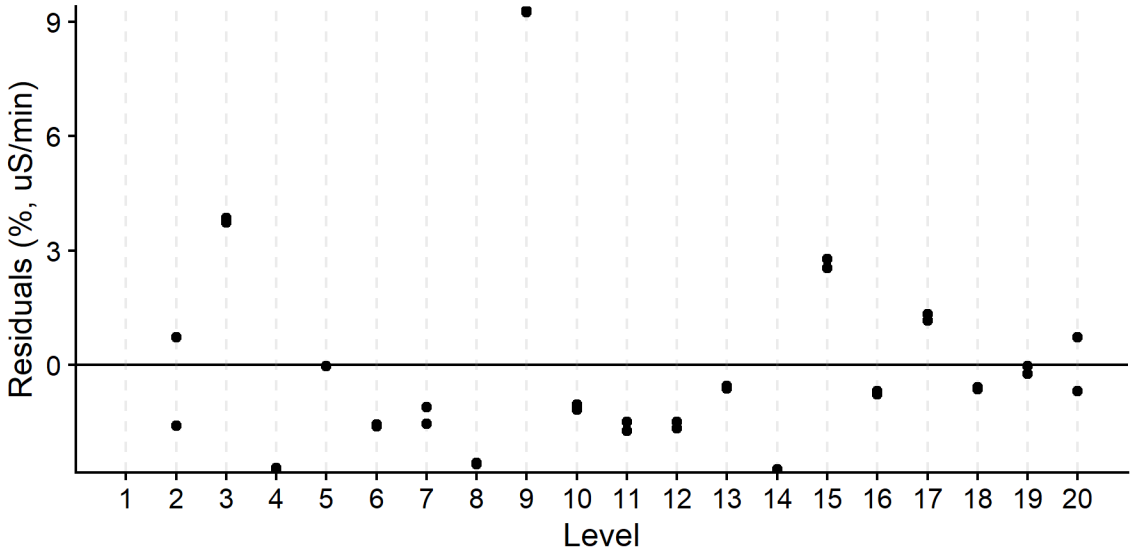
Nitrate, valid n = 38, Cubic, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -5.546E-08*x^3 + 1.288E-05*x^2 + 2.602E-03*x - 5.049E-04$

$R^2 = 0.99965$





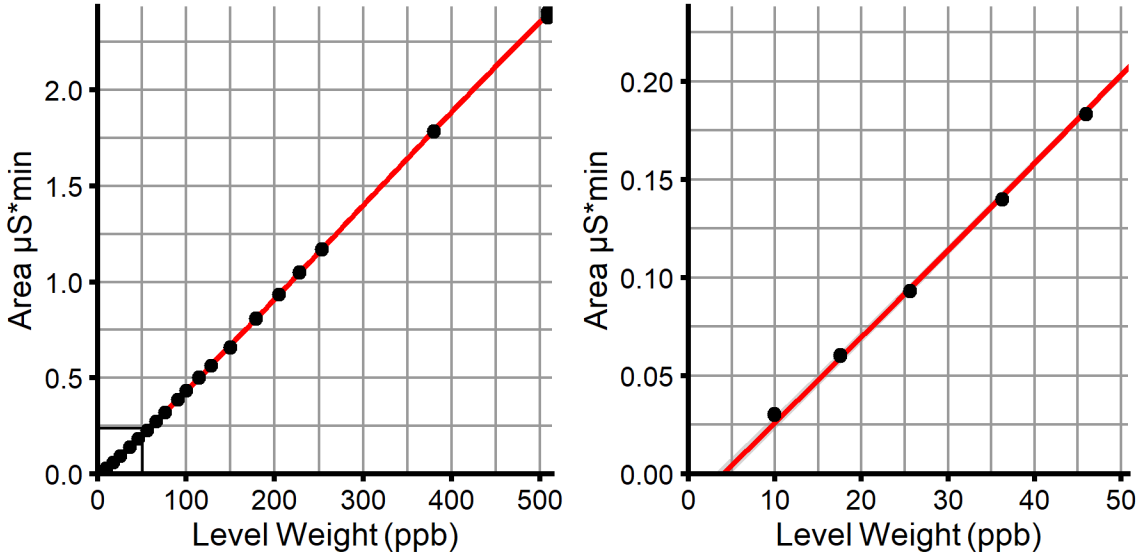
Sulphate

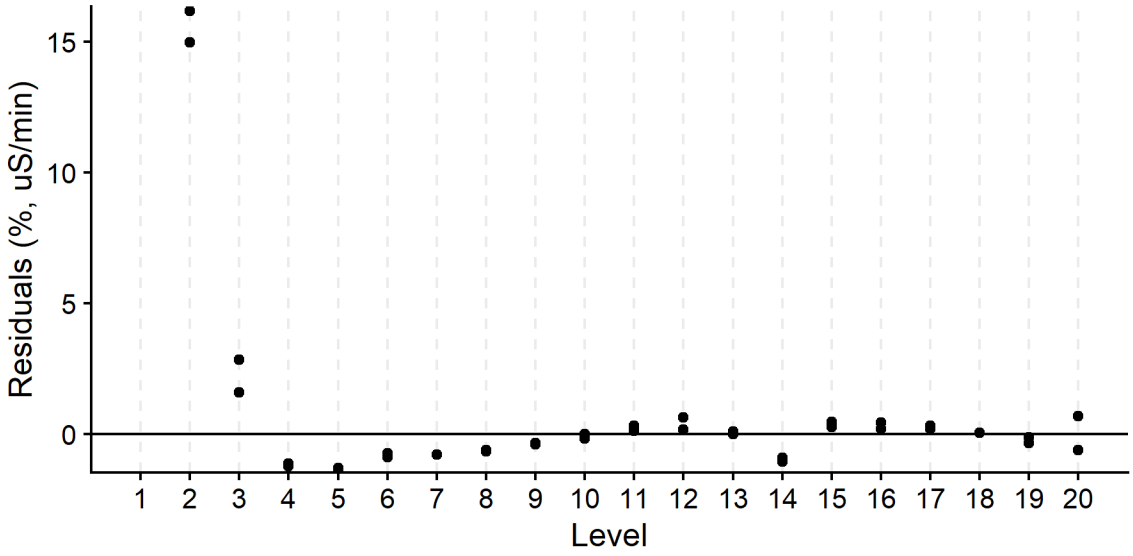
Sulphate, valid n = 38, Cubic, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -2.511E-09*x^3 + 2.131E-06*x^2 + 4.309E-03*x - 1.715E-02$

$R^2 = 0.99994$





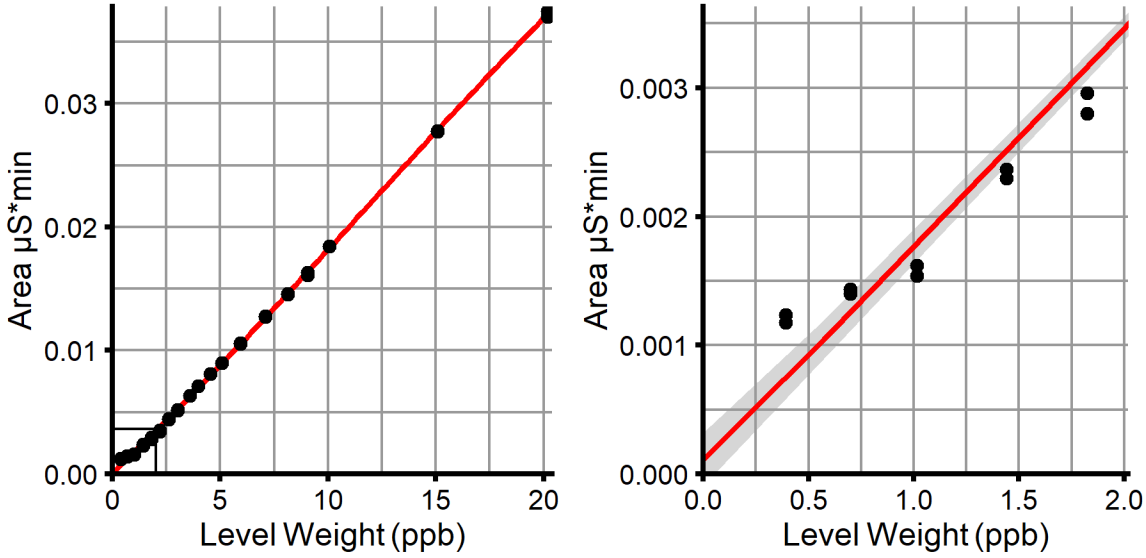
Phosphate

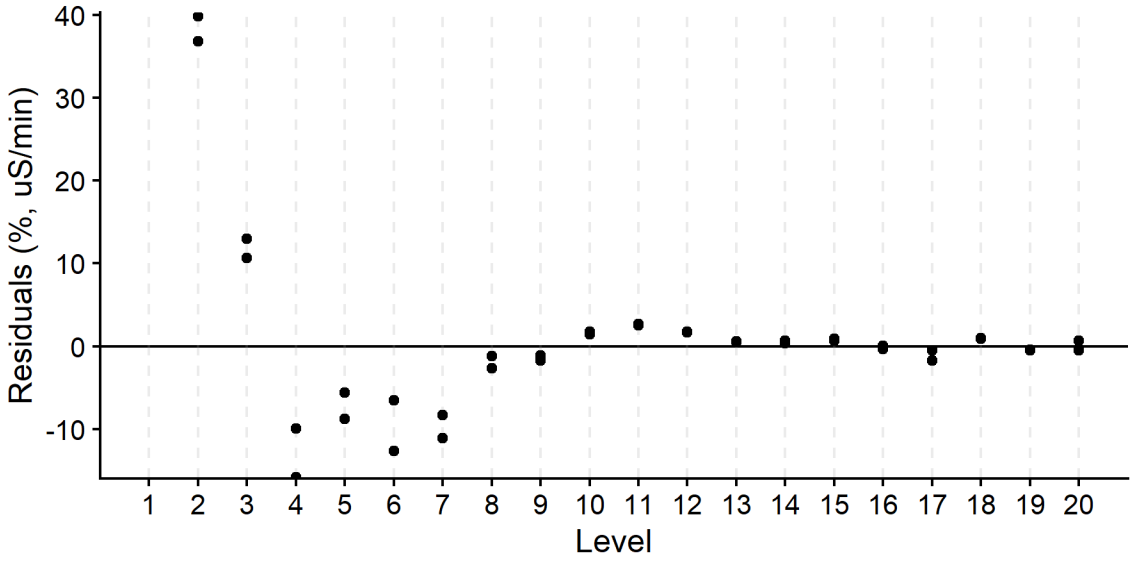
Phosphate, valid n = 38, Cubic, WithOffset

BLIZZARD_NORTH, Anion 44, 09/09/2025

$y = -6.948E-07*x^3 + 2.422E-05*x^2 + 1.633E-03*x + 9.845E-05$

$R^2 = 0.99955$





Cations

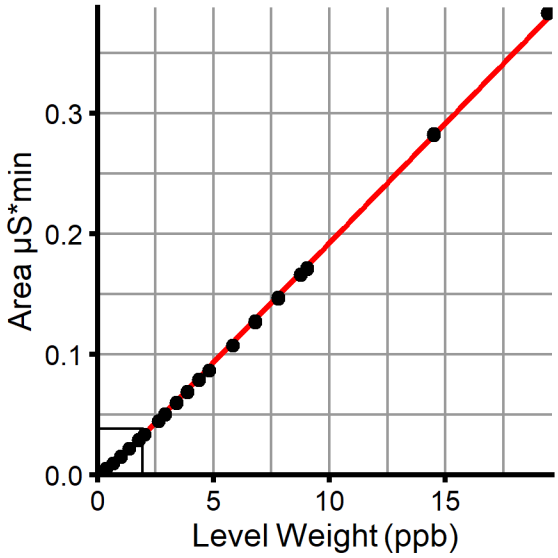
Lithium

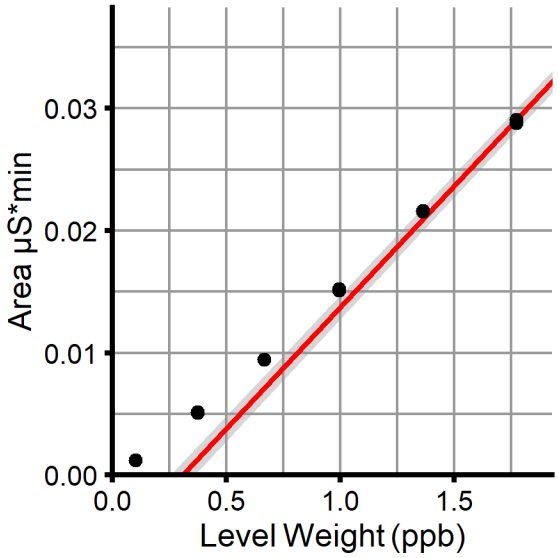
Lithium, valid n = 40, Lin, WithOffset

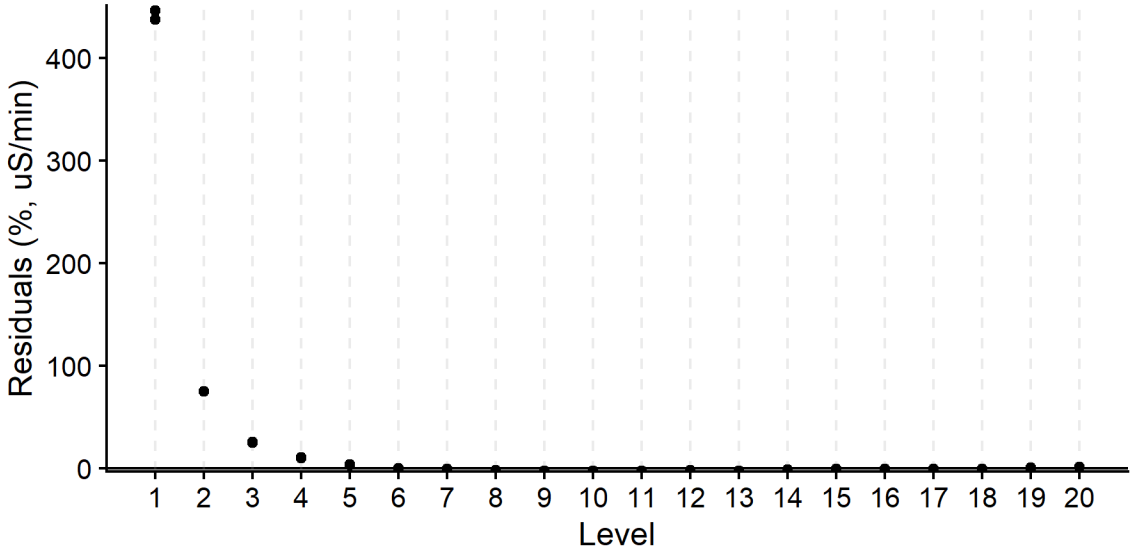
BLIZZARD_NORTH, Cation 38, 09/09/2025

y = 1.985E-02*x - 6.14E-03

R^2 = 0.99943







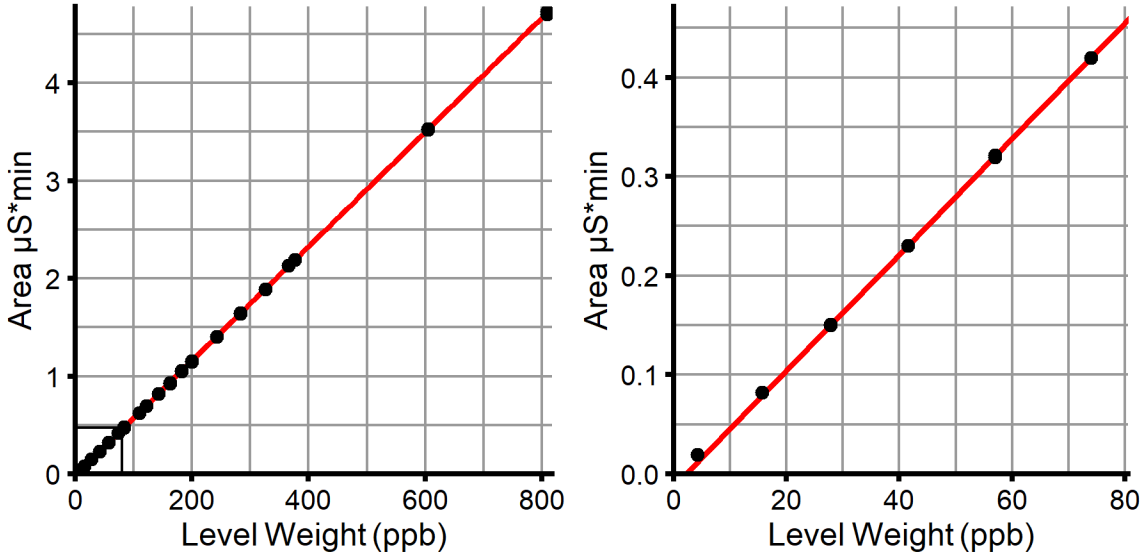
Sodium

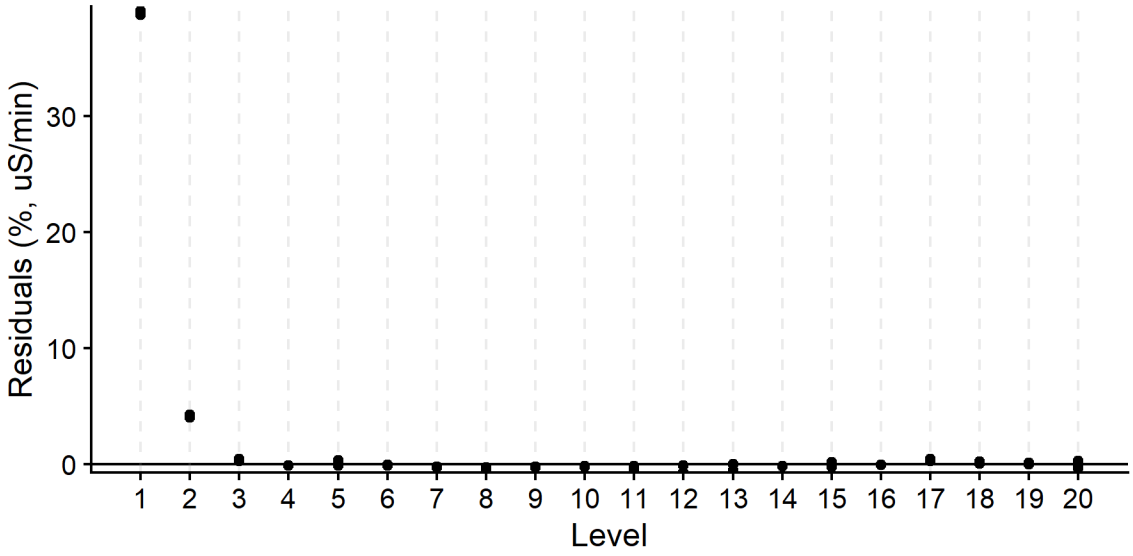
Sodium, valid n = 40, Lin, WithOffset

BLIZZARD_NORTH, Cation 38, 09/09/2025

y = 5.848E-03*x - 1.275E-02

R^2 = 0.99998





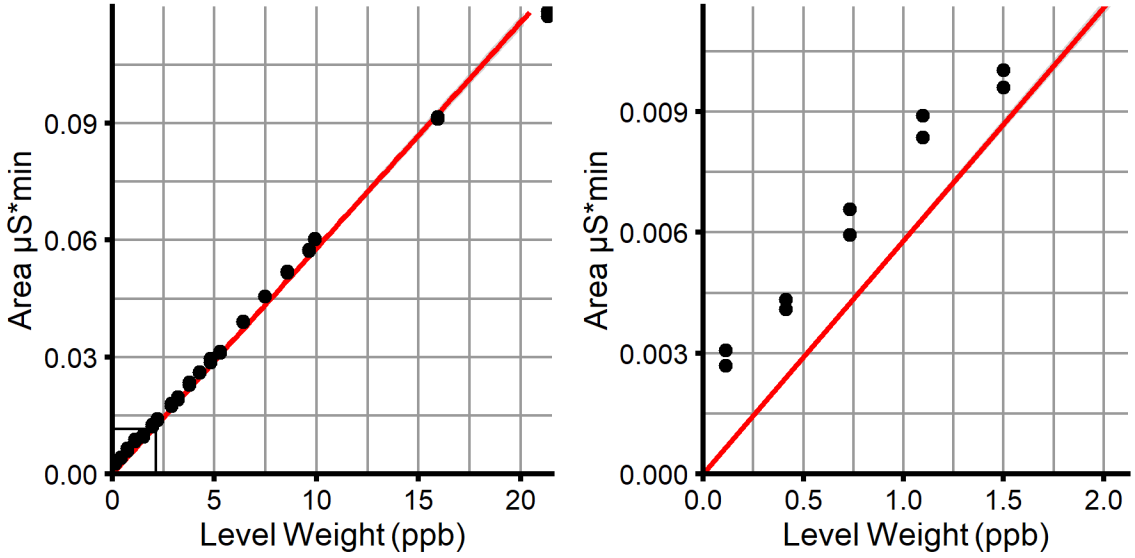
Ammonium

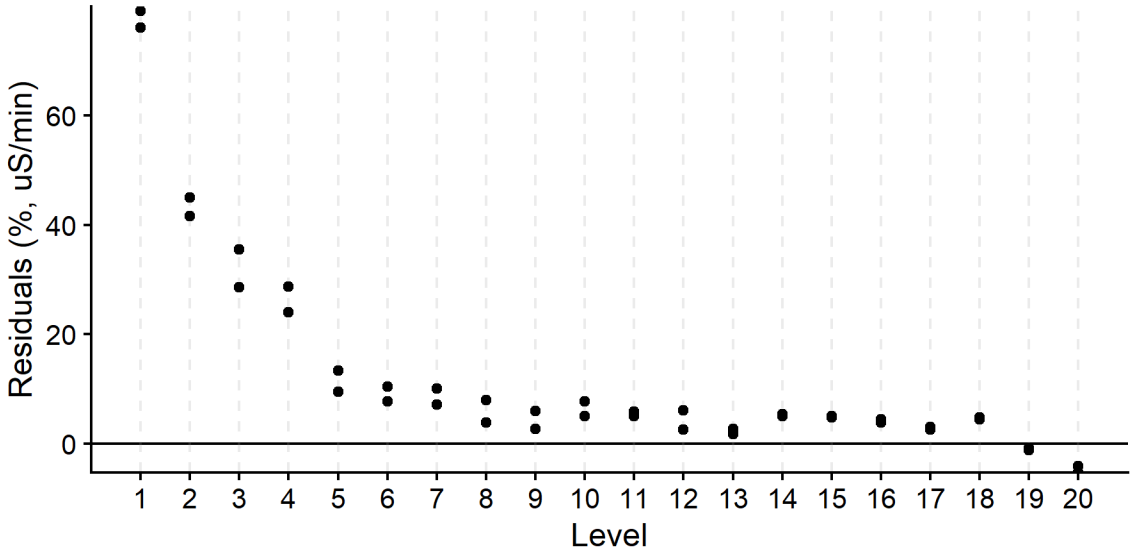
Ammonium, valid n = 40, Lin

BLIZZARD_NORTH, Cation 38, 09/09/2025

y = 5.797E-03*x

R^2 = 0.99782





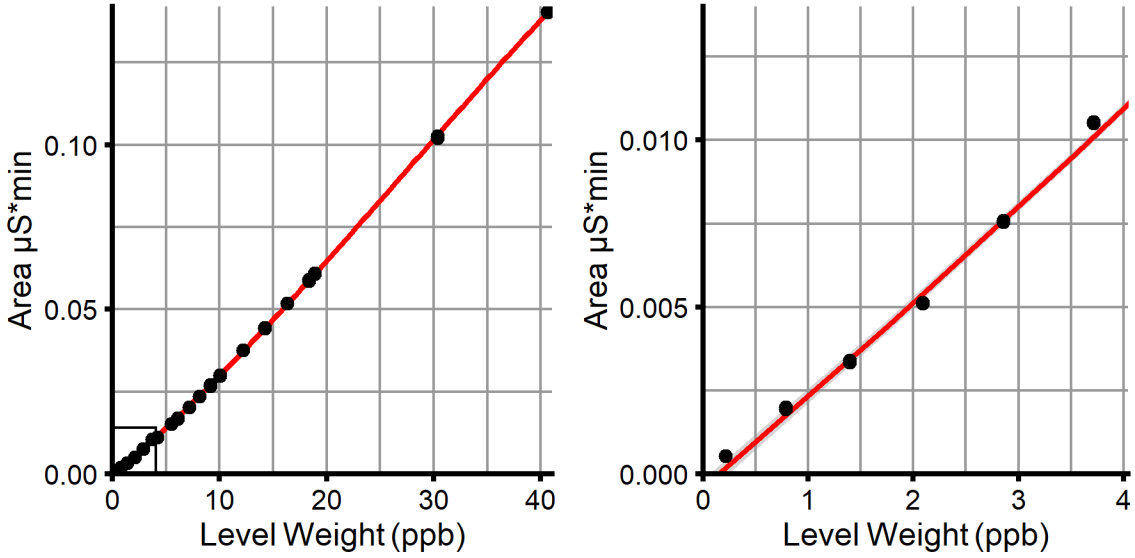
Potassium

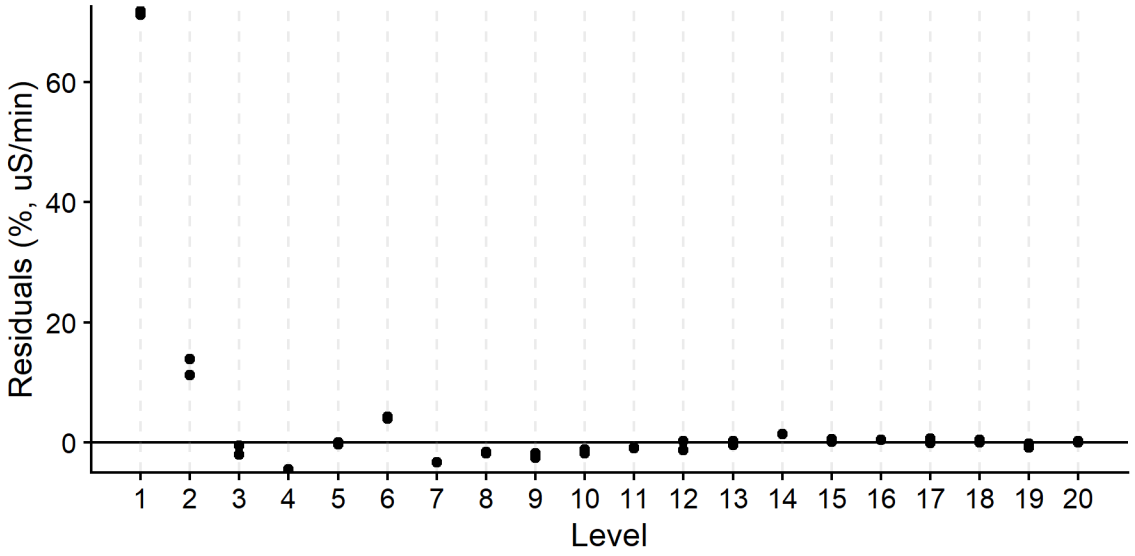
Potassium, valid n = 40, Cubic, WithOffset

BLIZZARD_NORTH, Cation 38, 09/09/2025

$y = -4.388E-07*x^3 + 3.653E-05*x^2 + 2.7E-03*x - 4.216E-04$

$R^2 = 0.99992$





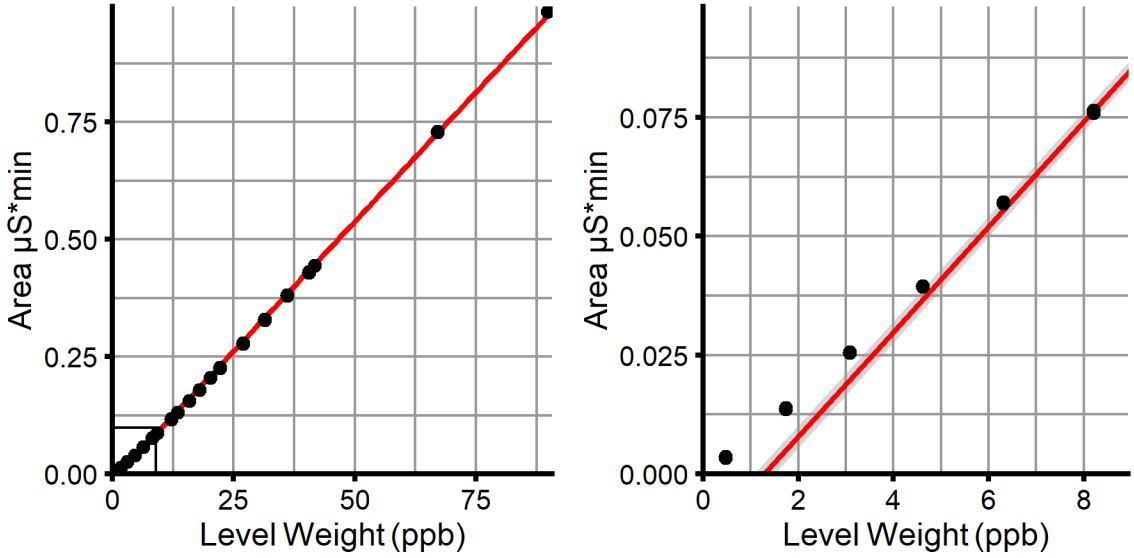
Magnesium

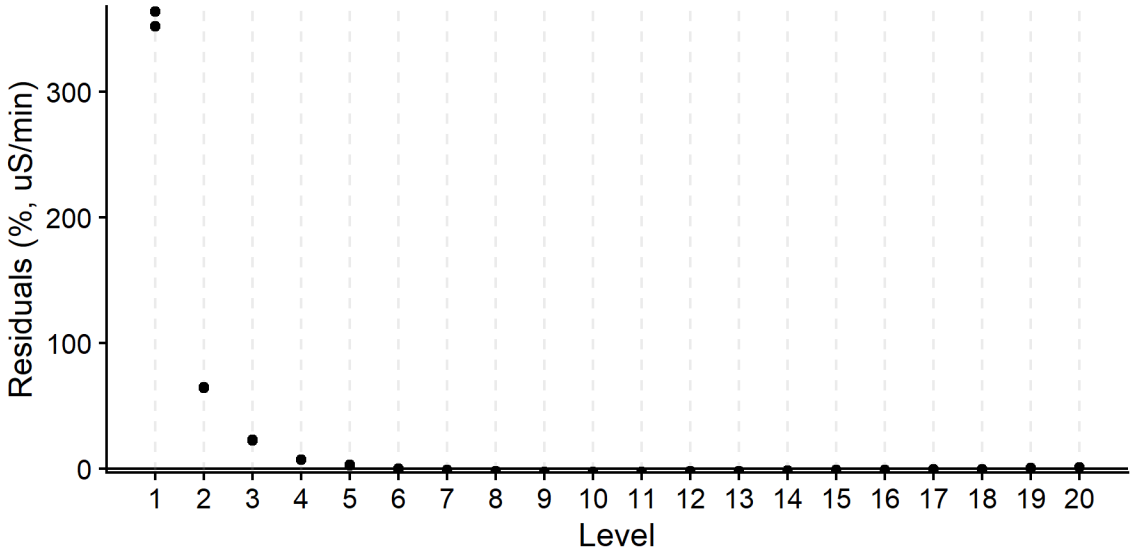
Magnesium, valid n = 40, Lin, WithOffset

BLIZZARD_NORTH, Cation 38, 09/09/2025

y = 1.104E-02*x - 1.425E-02

R^2 = 0.99955





Calcium

Calcium, valid n = 40, Cubic, WithOffset

BLIZZARD_NORTH, Cation 38, 09/09/2025

$y = -2.654E-07*x^3 + 3.485E-05*x^2 + 5.276E-03*x - 4.839E-04$

$R^2 = 0.99988$