

ICF IC Calibration Report (v1.1)

20250909 BLIZ SOUTH: Anion 44 & Cation 38

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Contents

Anions	2
Fluoride	2
MSA	3
Chloride	4
Nitrite	5
Bromide	6
Nitrate	7
Sulphate	8
Phosphate	9
Cations	10
Lithium	10
Sodium	11
Ammonium	12
Potassium	13
Magnesium	14
Calcium	15

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

20250909_BLIZ_SOUTH_Calibration_Anion_44_Cation_38.xls

Anions

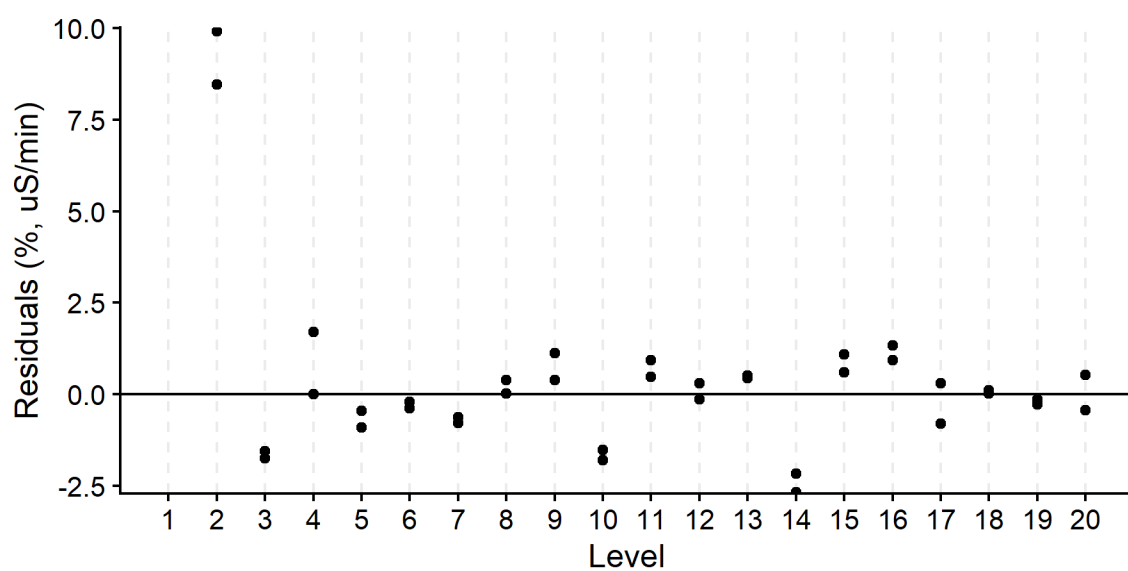
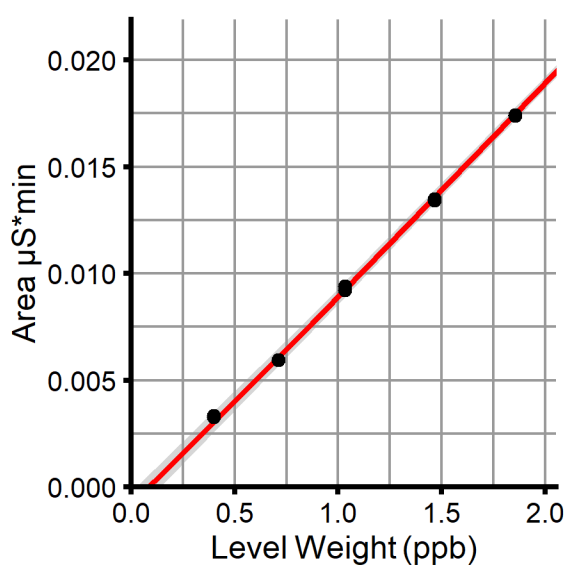
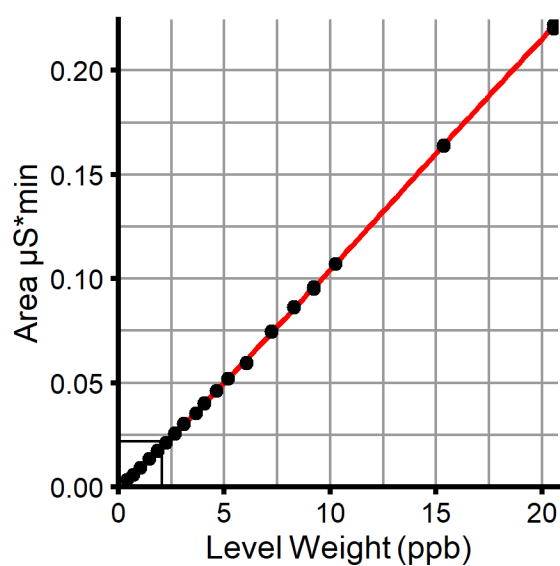
Fluoride

Fluoride, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = -2.903\text{E-}06*x^3 + 1.143\text{E-}04*x^2 + 9.676\text{E-}03*x - 8.842\text{E-}04$$

$$R^2 = 0.9999$$



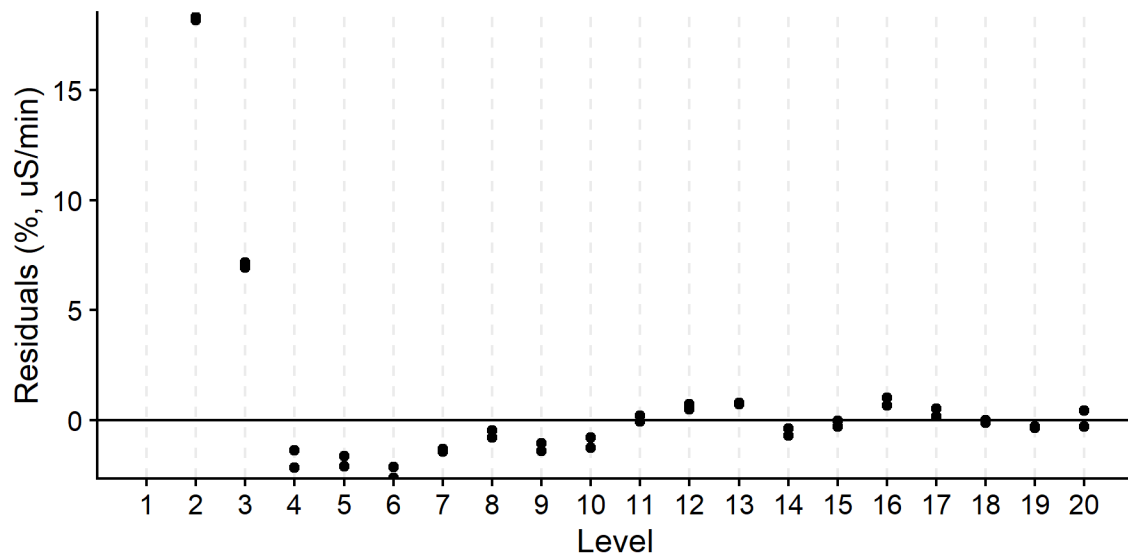
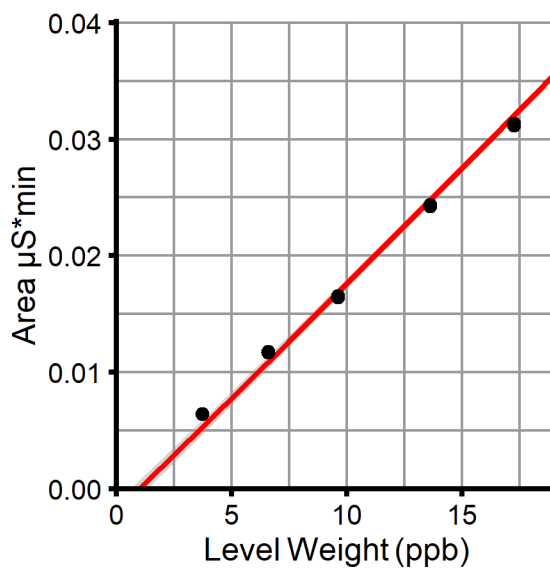
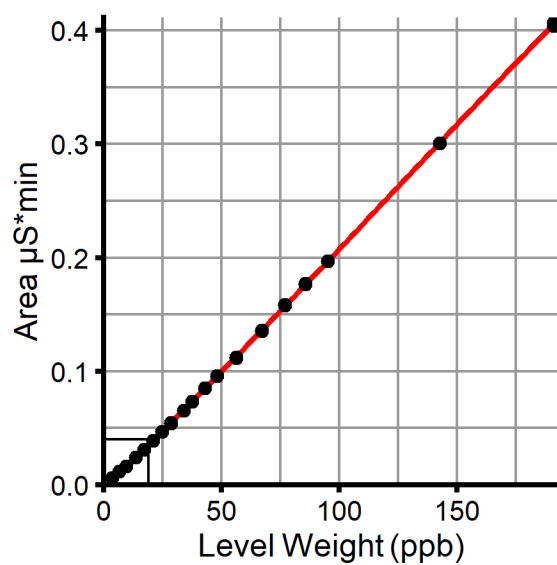
MSA

MSA, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = -6.501\text{E-}09x^3 + 2.323\text{E-}06x^2 + 1.927\text{E-}03x - 1.91\text{E-}03$$

$$R^2 = 0.99994$$



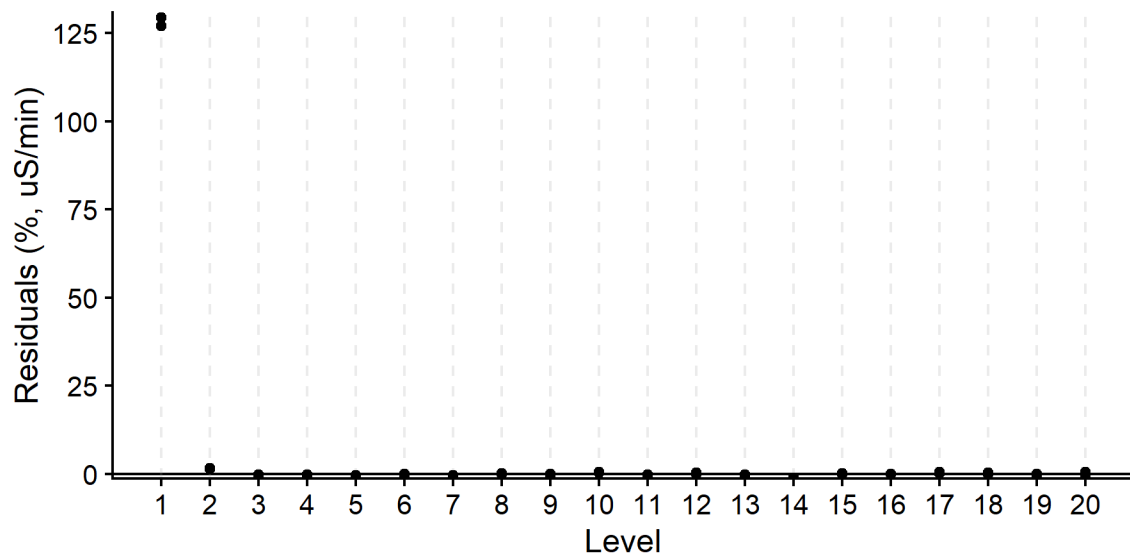
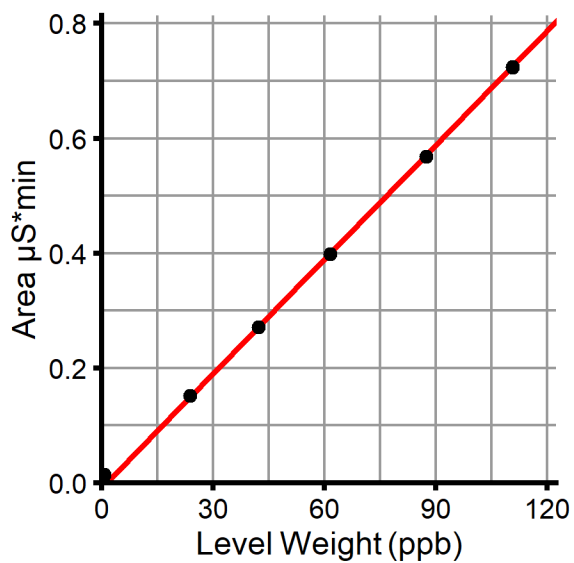
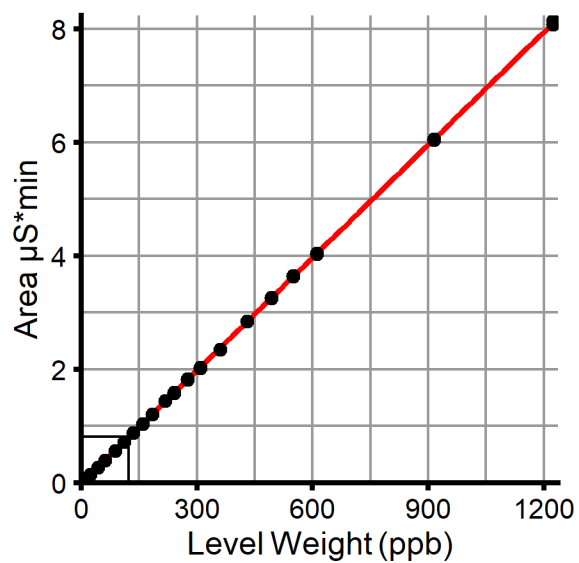
Chloride

Chloride, valid n = 40, Lin, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = 6.628\text{E-}03 \cdot x - 8.491\text{E-}03$$

$$R^2 = 0.99996$$



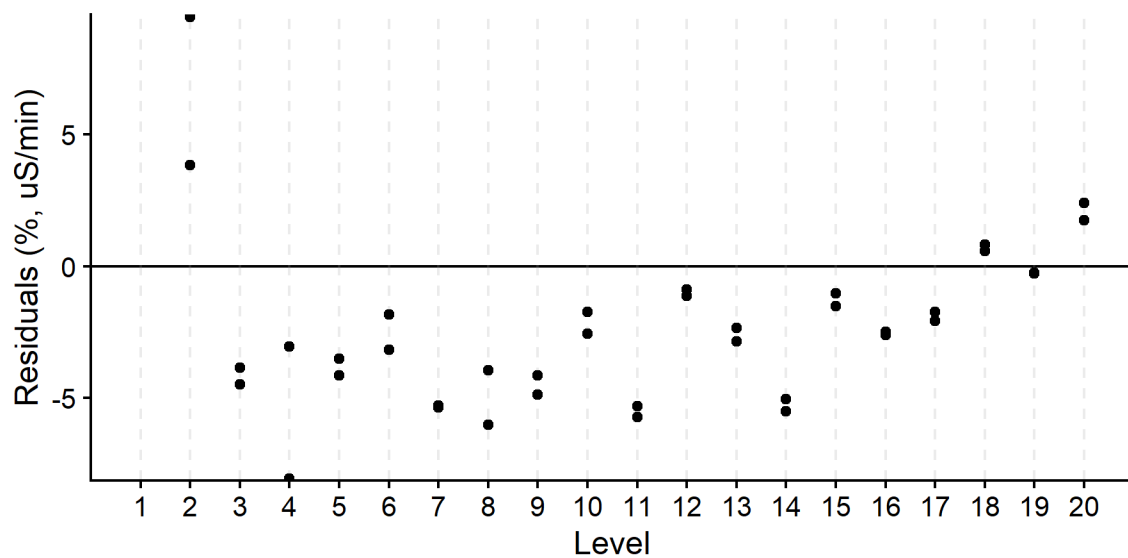
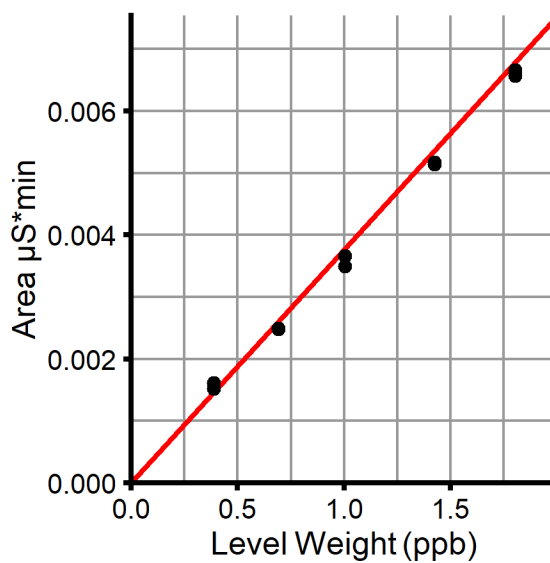
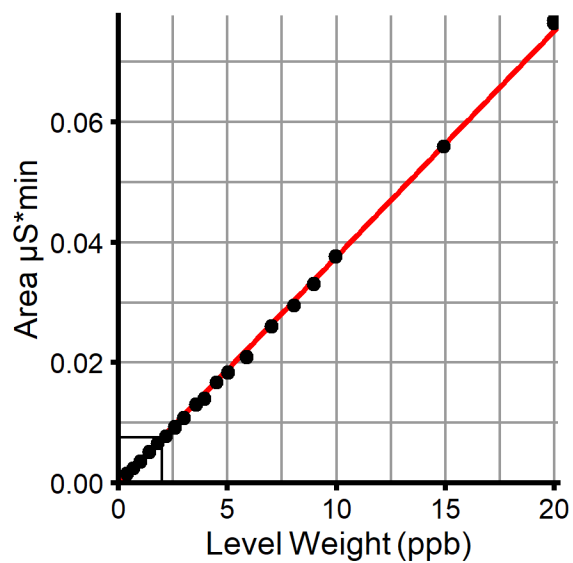
Nitrite

Nitrite, valid n = 38, Lin

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = 3.76\text{E-}03 \cdot x$$

$$R^2 = 0.99955$$



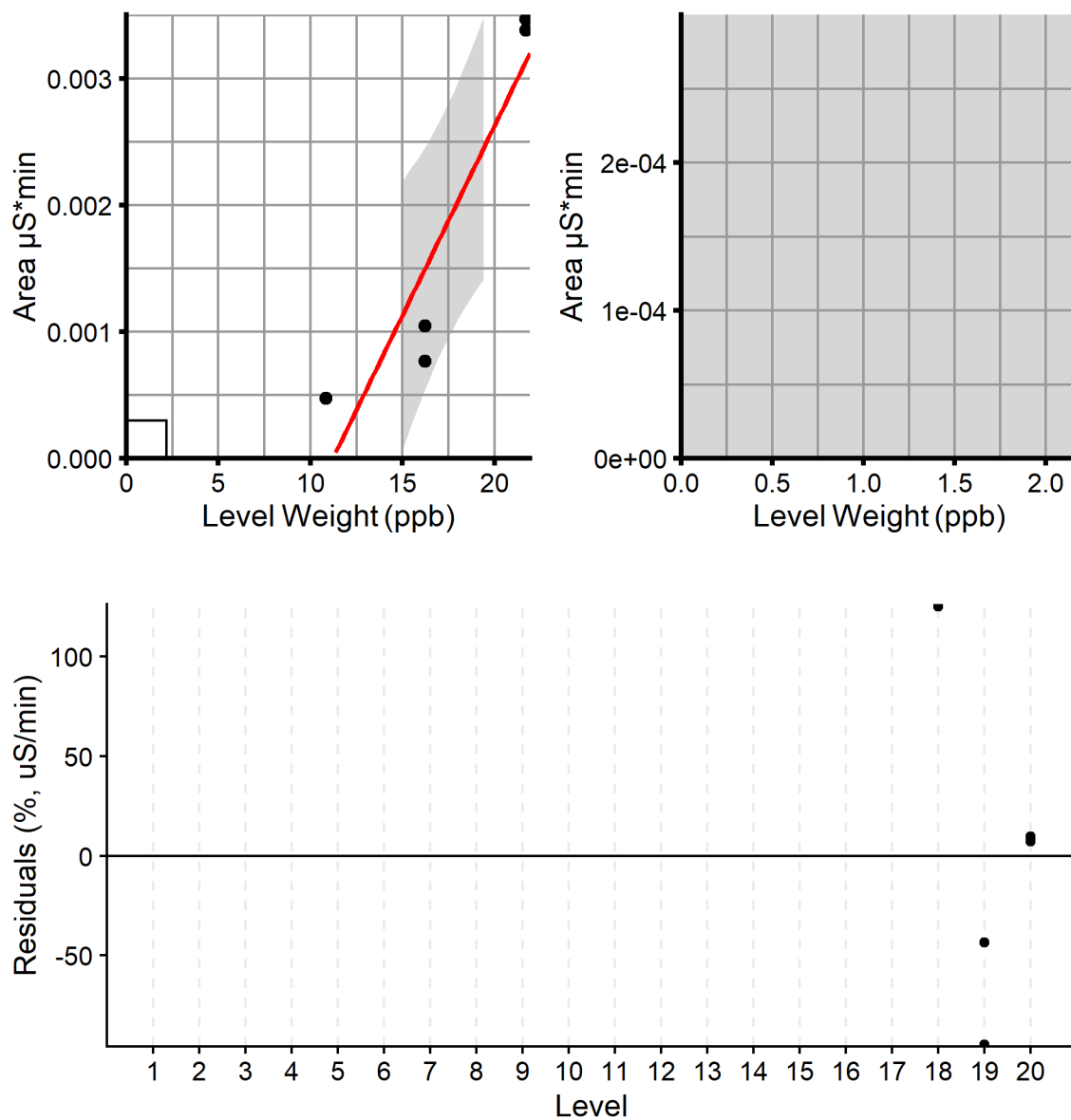
Bromide

Bromide, valid n = 5, Lin, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = 2.992\text{E-}04 \cdot x - 3.356\text{E-}03$$

$$R^2 = 0.85419$$



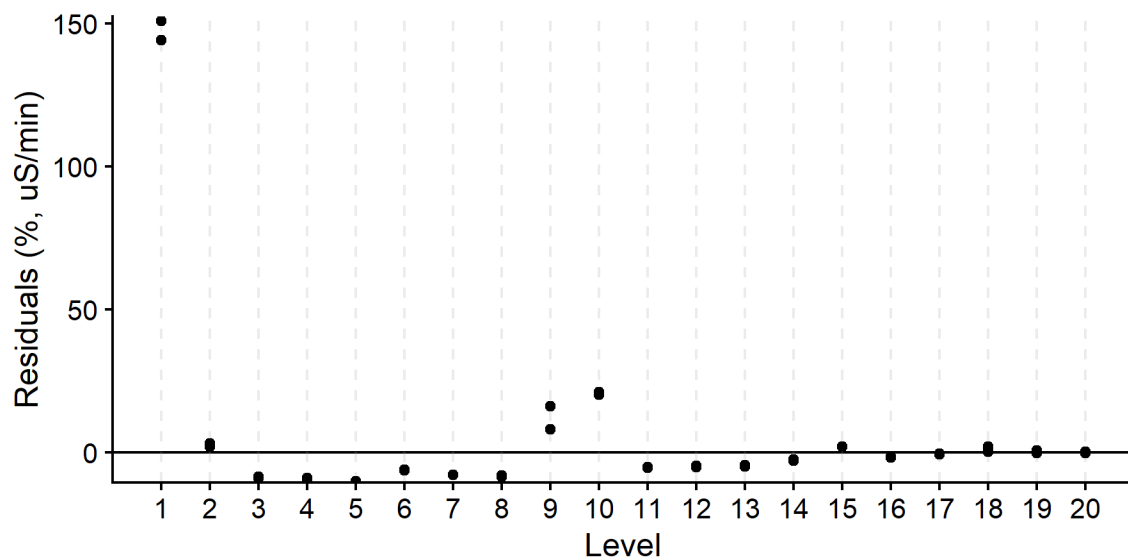
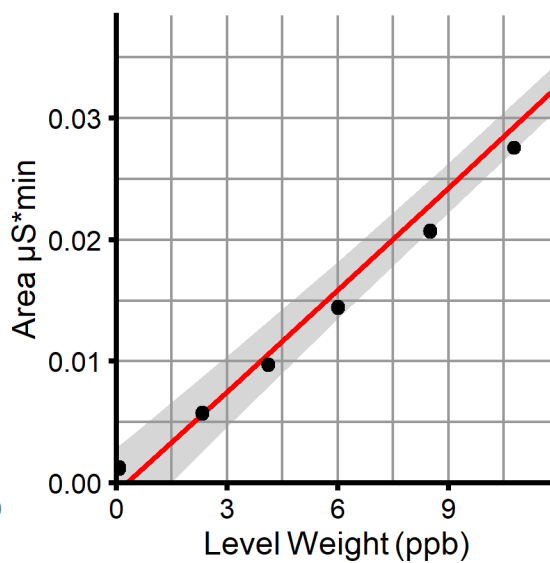
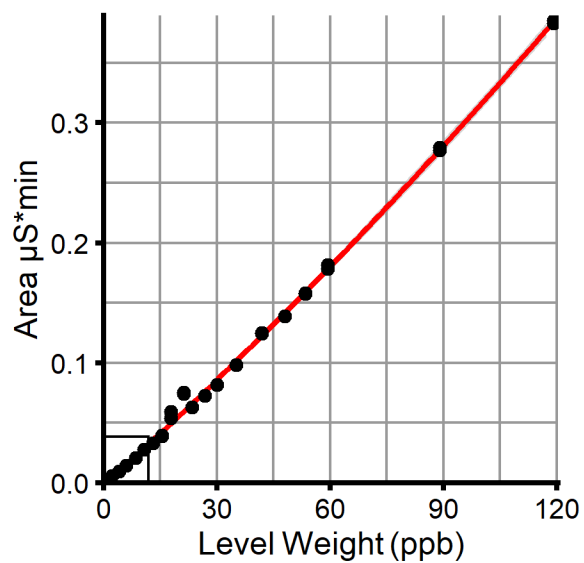
Nitrate

Nitrate, valid n = 40, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

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

$$R^2 = 0.99784$$



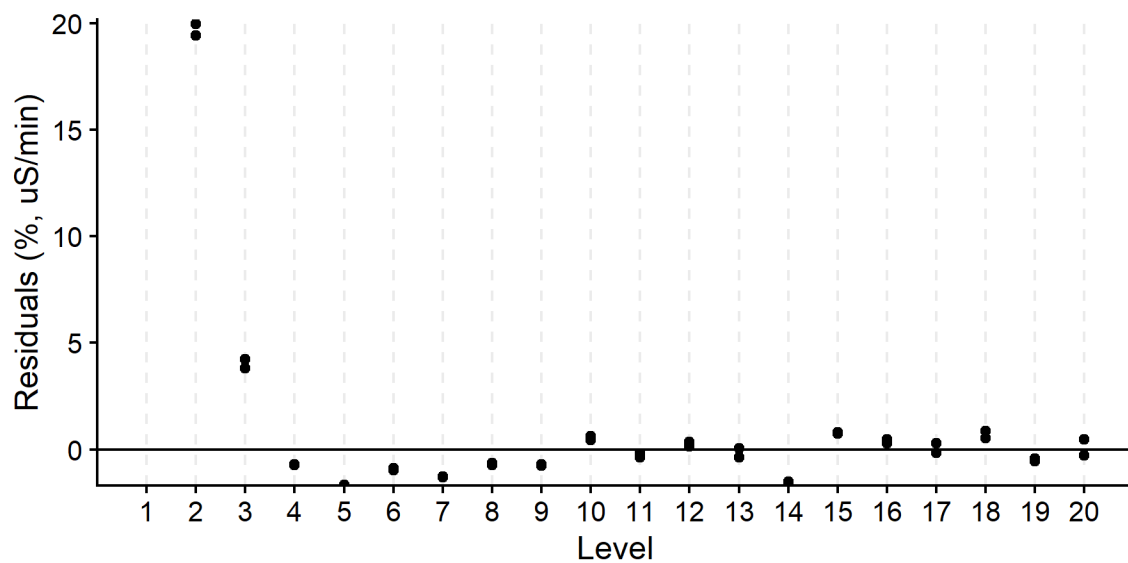
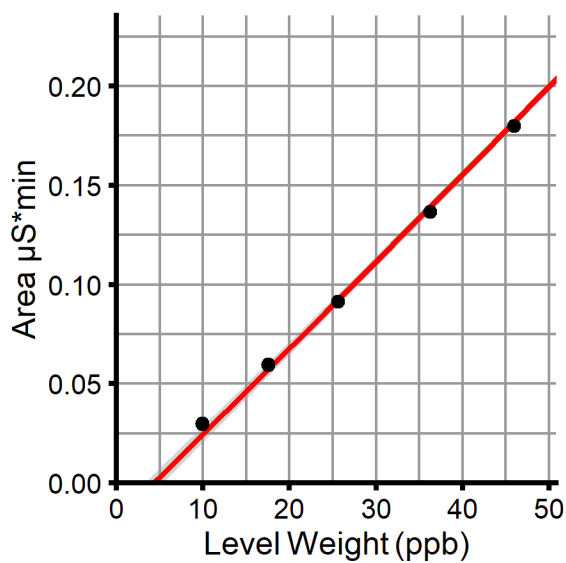
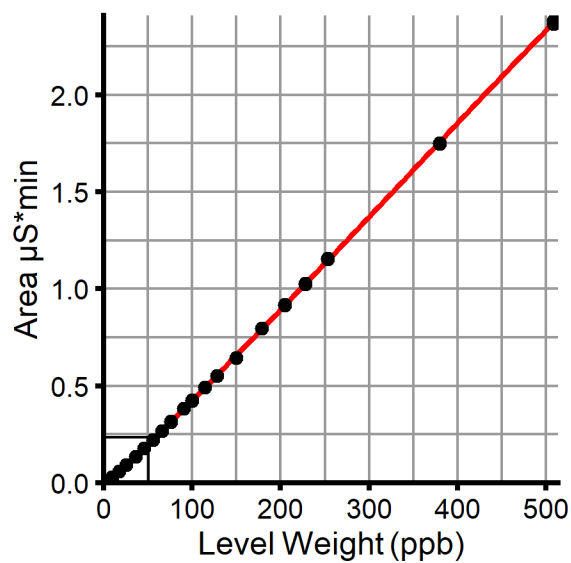
Sulphate

Sulphate, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = -1.571\text{E-}09x^3 + 1.615\text{E-}06x^2 + 4.292\text{E-}03x - 1.862\text{E-}02$$

$$R^2 = 0.99993$$



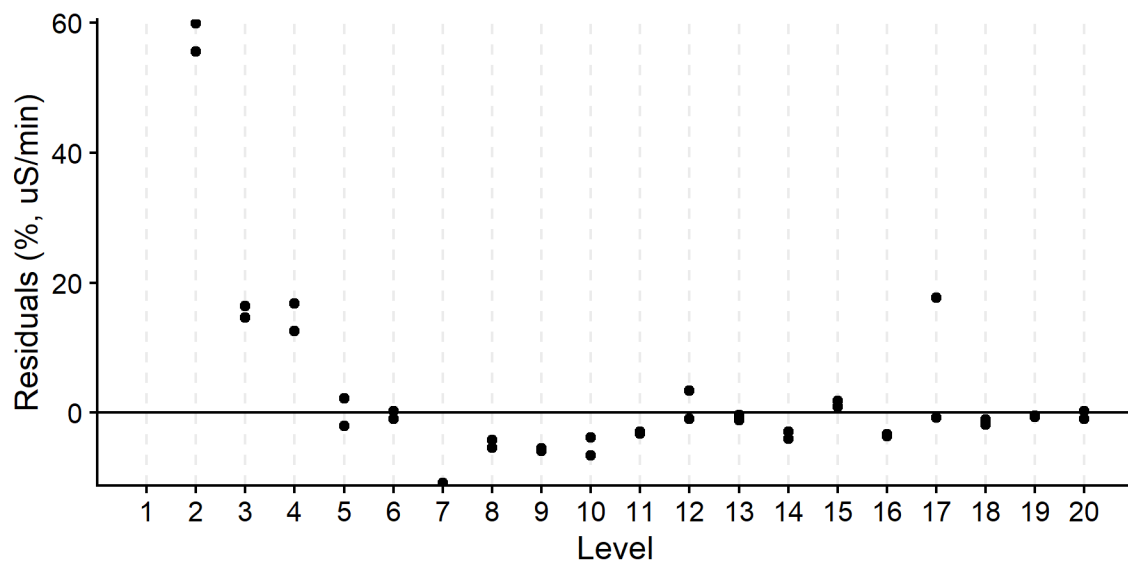
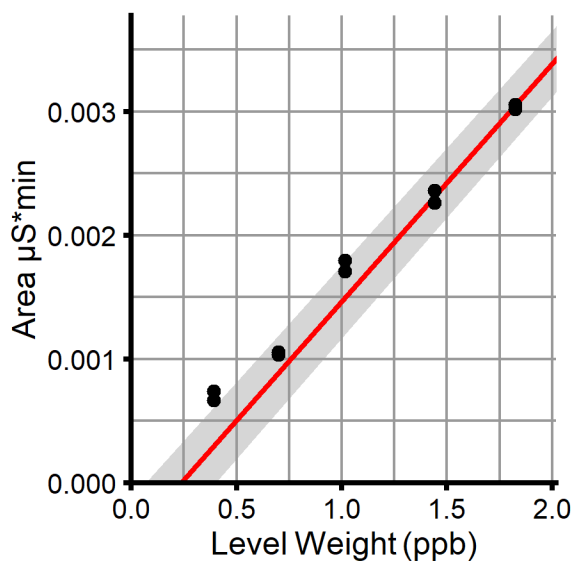
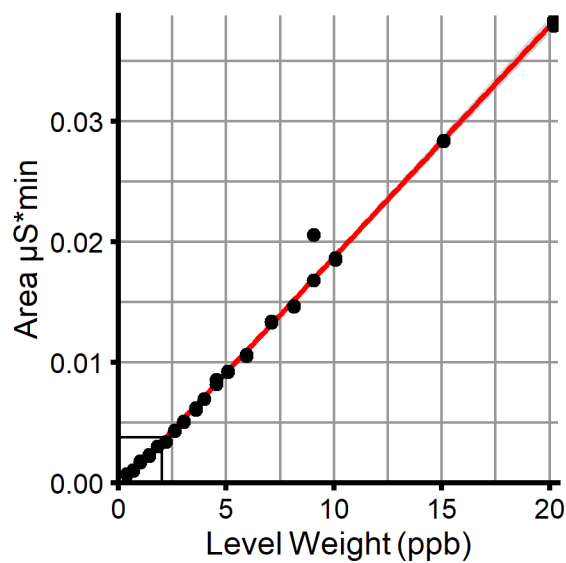
Phosphate

Phosphate, valid n = 38, Lin, WithOffset

BLIZ_SOUTH, Anion 44, 09/09/2025

$$y = 1.921\text{E-}03 \cdot x - 4.571\text{E-}04$$

$$R^2 = 0.99554$$



Cations

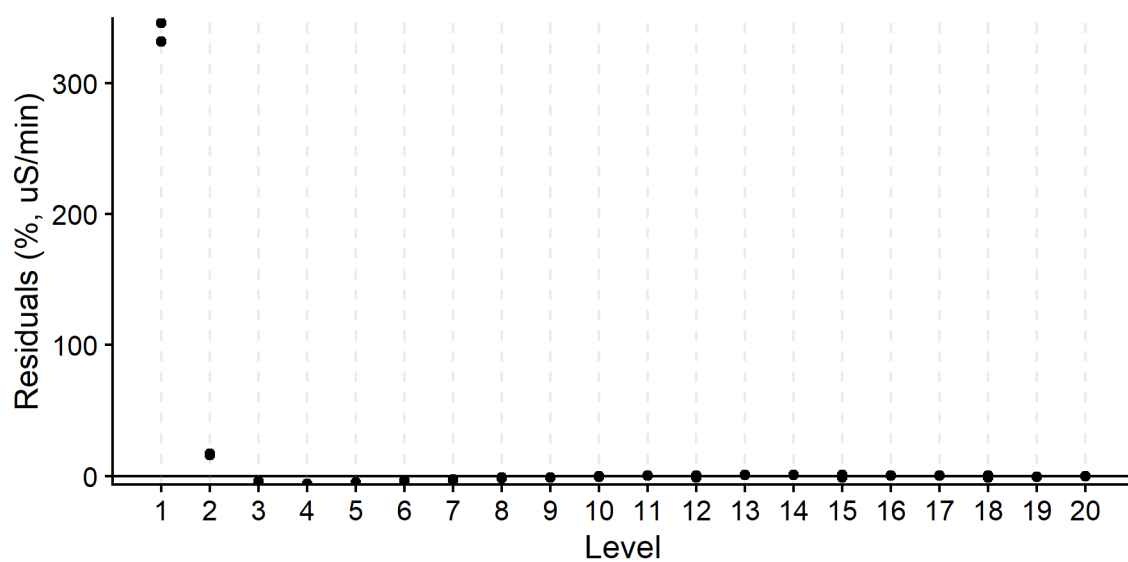
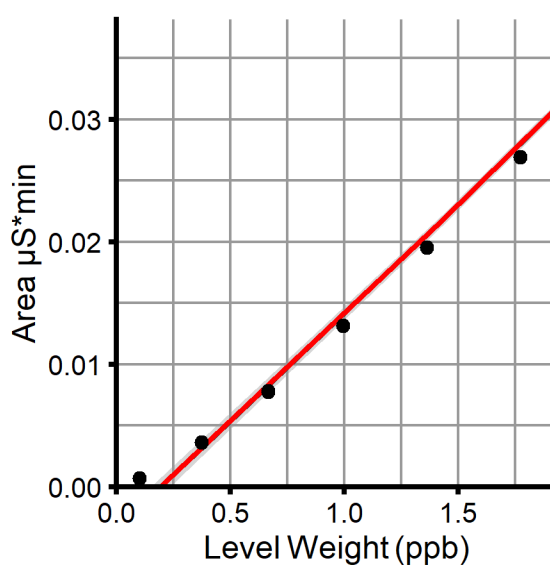
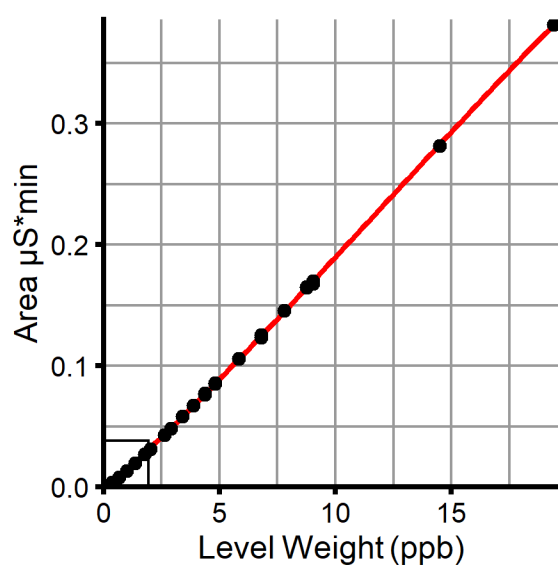
Lithium

Lithium, valid n = 40, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$$y = -8.146\text{E-}06x^3 + 2.953\text{E-}04x^2 + 1.717\text{E-}02x - 3.437\text{E-}03$$

$$R^2 = 0.99991$$



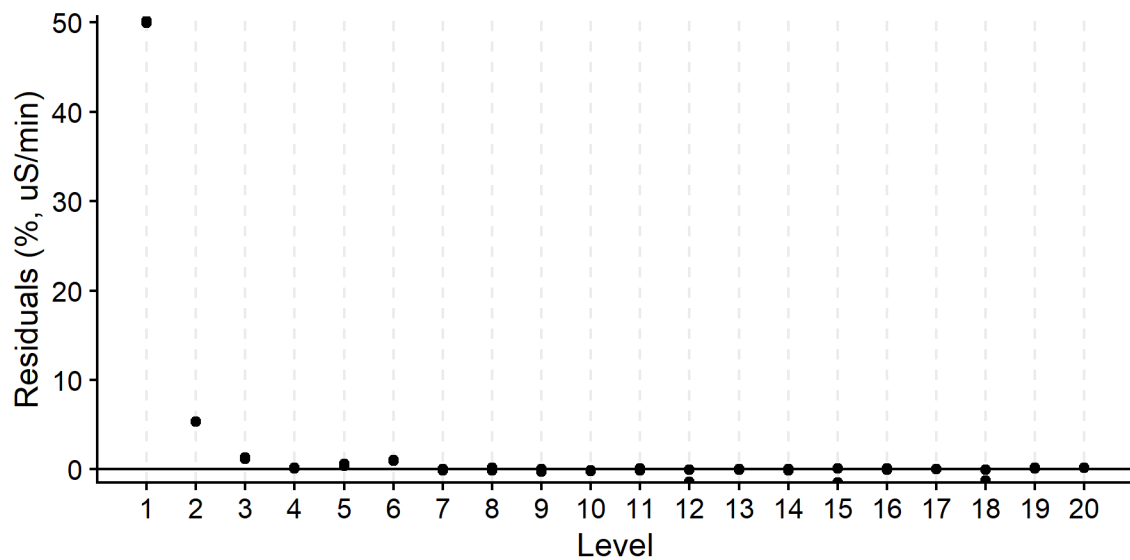
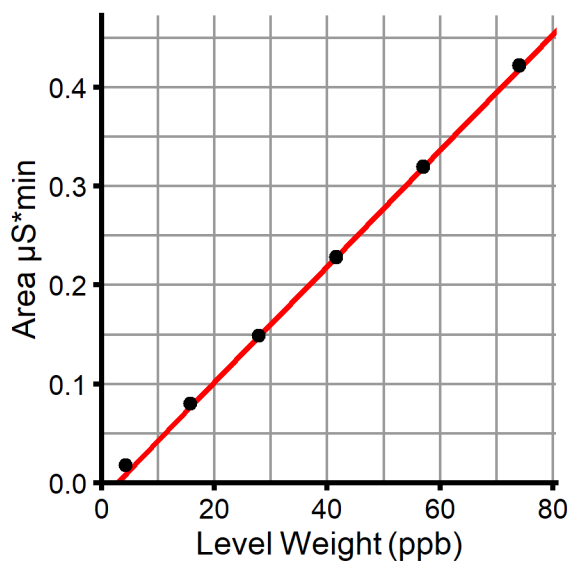
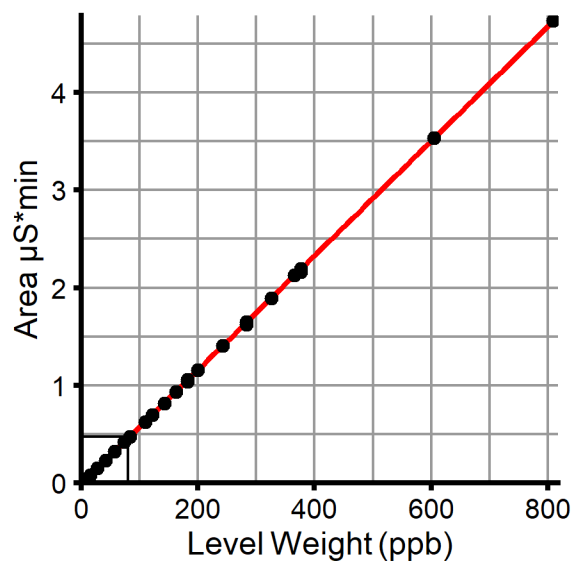
Sodium

Sodium, valid n = 40, Lin, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

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

$$R^2 = 0.99996$$



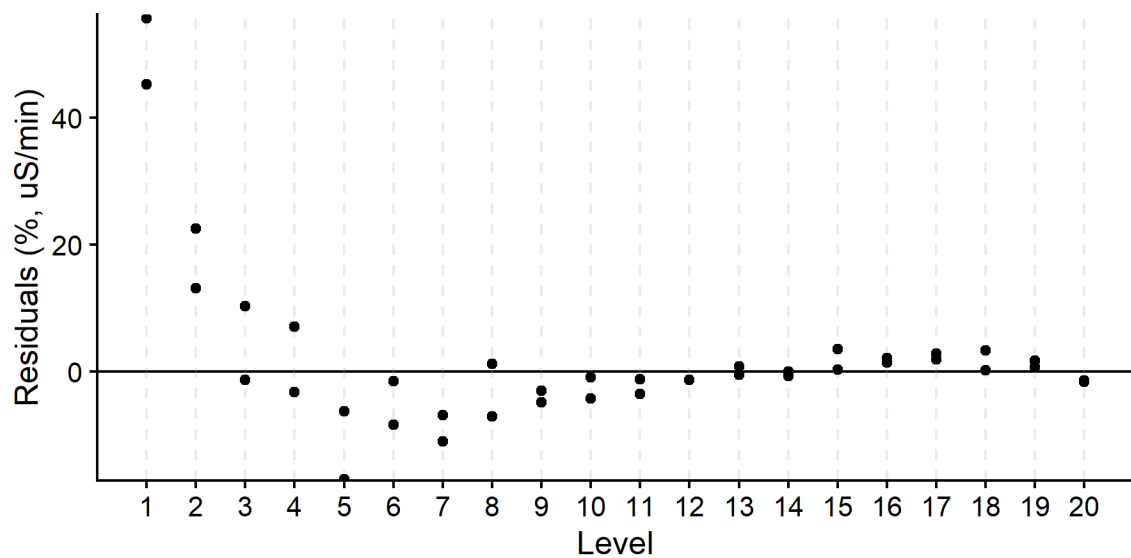
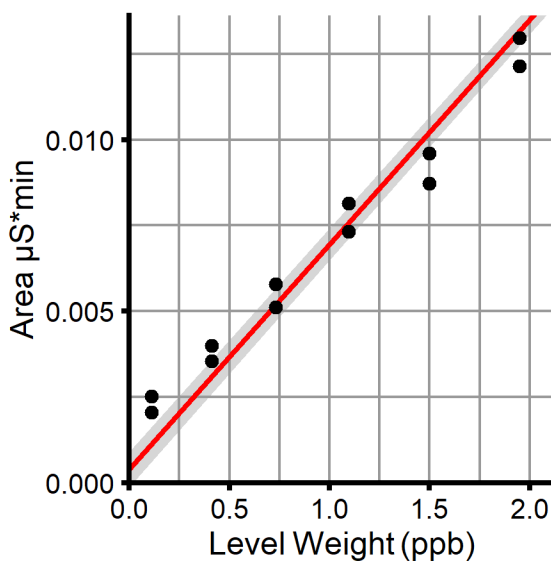
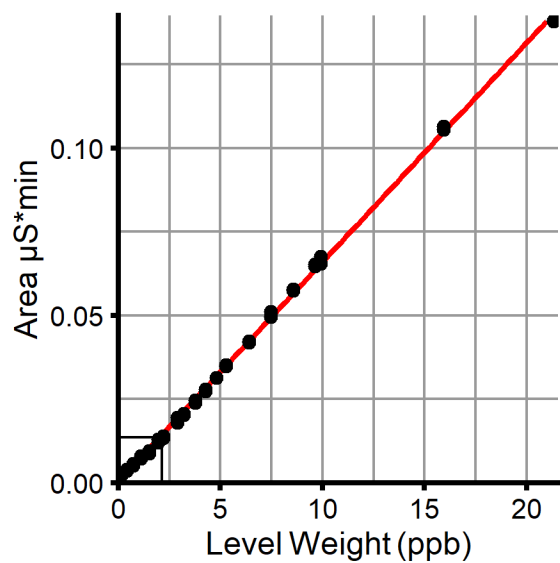
Ammonium

Ammonium, valid n = 40, Lin, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

$$y = 6.552E-03 \cdot x + 3.918E-04$$

$$R^2 = 0.99907$$



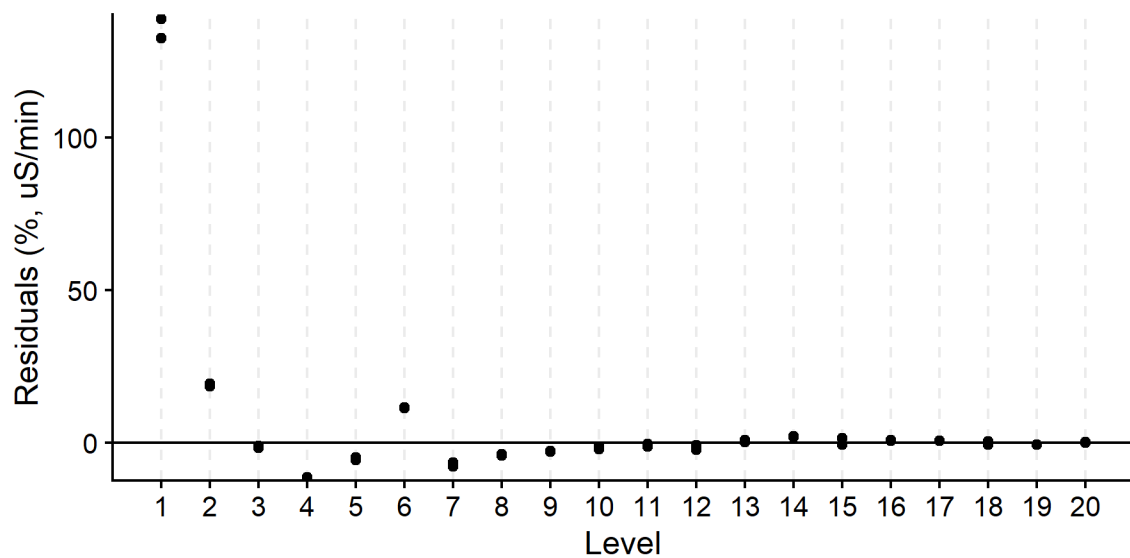
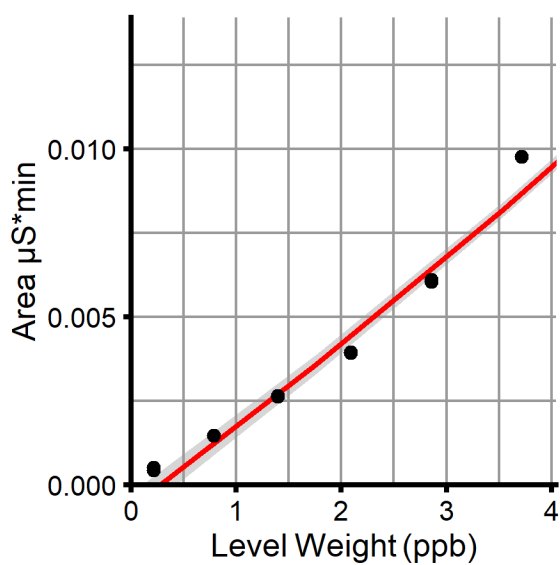
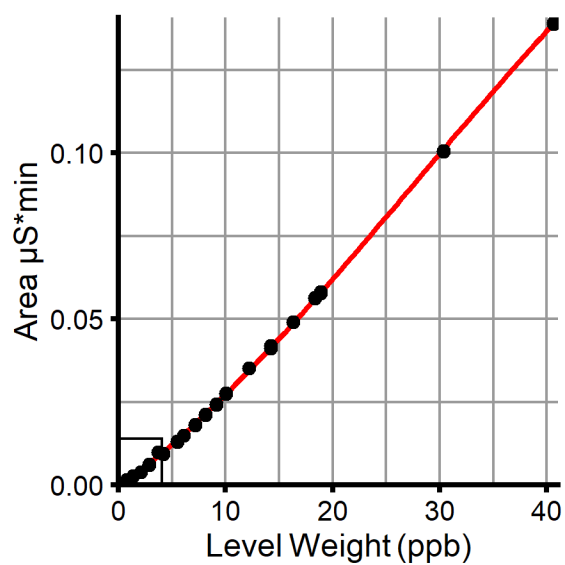
Potassium

Potassium, valid n = 40, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

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

$$R^2 = 0.9998$$



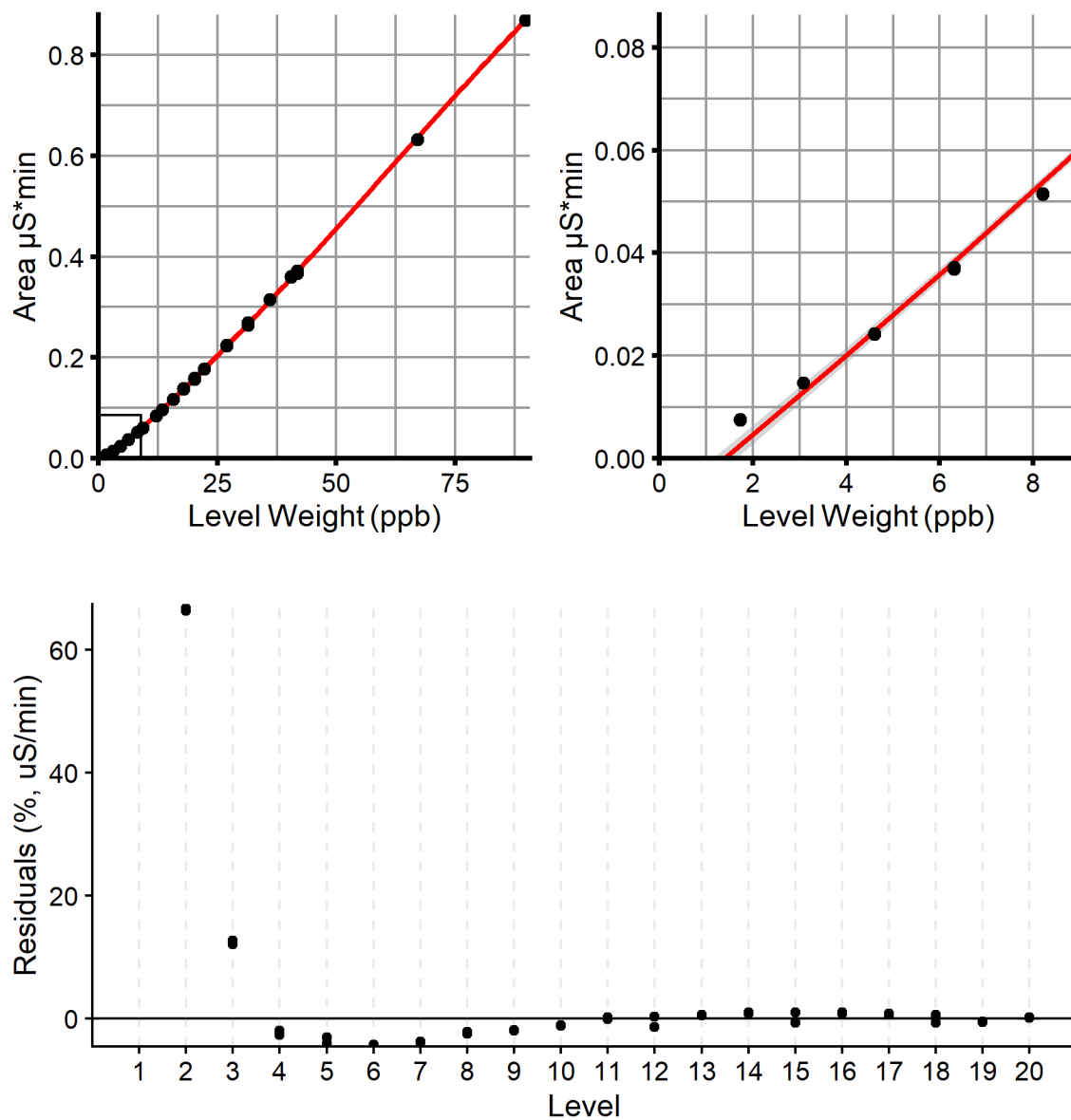
Magnesium

Magnesium, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

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

$$R^2 = 0.99989$$



Calcium

Calcium, valid n = 38, Cubic, WithOffset

BLIZ_SOUTH, Cation 38, 09/09/2025

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

$$R^2 = 0.99957$$

