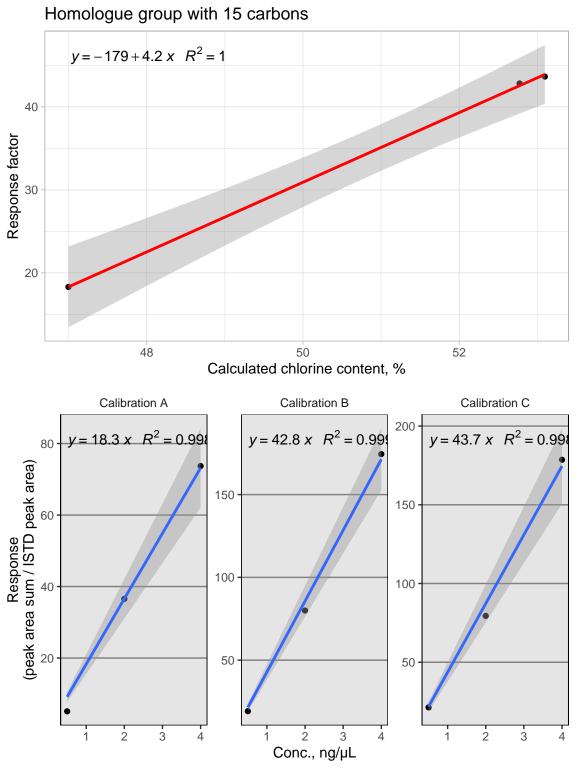
Homologue group with 10 carbons  $y = -436 + 7.41 x R^2 = 0.996$ Response factor Calculated chlorine content, % Calibration A Calibration B Calibration C  $y = 8.79 \times R^2 = 0.989$  $y = 16.4 x R^2 = 0.995$  $y = 40.7 \times R^2 = 0.985$ Response (peak area sum / ISTD peak area) Conc., ng/µL

Homologue group with 11 carbons  $y = -608 + 10.7 x R^2 = 0.963$ 50 Response factor 25 0 -25 57.5 58.5 58.0 59.0 59.5 Calculated chlorine content, % Calibration A Calibration B Calibration C  $y = 36.1 \ x \ R^2 = 0.992$  $y = 10.4 \, x \, R^2 = 0.991$  $y = 26.2 \, x \, R^2 = 0.999$ 50 Response (peak area sum / ISTD peak area) 150 90 40 30 100 60 20 50 30 10 2 3 2 2 3 3 Conc., ng/µL

Homologue group with 12 carbons  $y = -623 + 11.5 x R^2 = 0.981$ Response factor Calculated chlorine content, % Calibration A Calibration B Calibration C  $y = 53.6 \ x \ R^2 = 0.98$  $y = 20.1 \times R^2 = 0.99$  $y = 35.2 \times R^2 = 0.99$ (peak area sum / ISTD peak area) Response Conc., ng/µL

Homologue group with 13 carbons  $y = -313 + 6.3 x R^2 = 0.989$ 100 Response factor 50 0 -50 55.0 50.0 52.5 57.5 60.0 Calculated chlorine content, % Calibration A Calibration B Calibration C 80  $y = 6.91 \times R^2 = 0.996$  $y = 17.2 \times R^2 = 0.999$  $y = 67.1 x R^2 = 0.995$ 300 30 Response (peak area sum / ISTD peak area) 60 20 200 40 10 100 20 2 3 2 3 2 3 1 Conc., ng/µL

Homologue group with 14 carbons  $y = -254 + 5.44 \, x \, R^2 = 0.946$ Response factor -50 Calculated chlorine content, % Calibration C Calibration A Calibration B  $y = 12.8 \ x \ R^2 = 0.998$  $y = 45.6 x R^2 = 1$  $y = 32.9 \times R^2 = 0.999$ Response (peak area sum / ISTD peak area) Conc., ng/µL



Homologue group with 16 carbons  $y = -120 + 3.55 x R^2 = 0.57$ 200 Response factor 100 0 -100 52 54 56 Calculated chlorine content, % Calibration C Calibration A Calibration B 300  $y = 82.1 x R^2 = 0.99$  $y = 74.5 x R^2 = 0.99$  $y = 55.5 x R^2 = 0.98$ Response (peak area sum / ISTD peak area) 300 300 200 200 200 100 100 100 2 2 3 3 2 3 Conc., ng/µL

Homologue group with 17 carbons  $y = -261 + 6.74 \times R^2 = 0.979$ Response factor Calculated chlorine content, % Calibration A Calibration B Calibration C  $y = 66.1 x R^2 = 0.99$  $y = 48.7 \, x \, R^2 = 0.97$  $y = 142 x R^2 = 0.982$ Response (peak area sum / ISTD peak area) Conc., ng/µL