



**CANADIAN MINING INDUSTRY RESEARCH
ORGANIZATION (CAMIRO) EXPLORATION DIVISION**

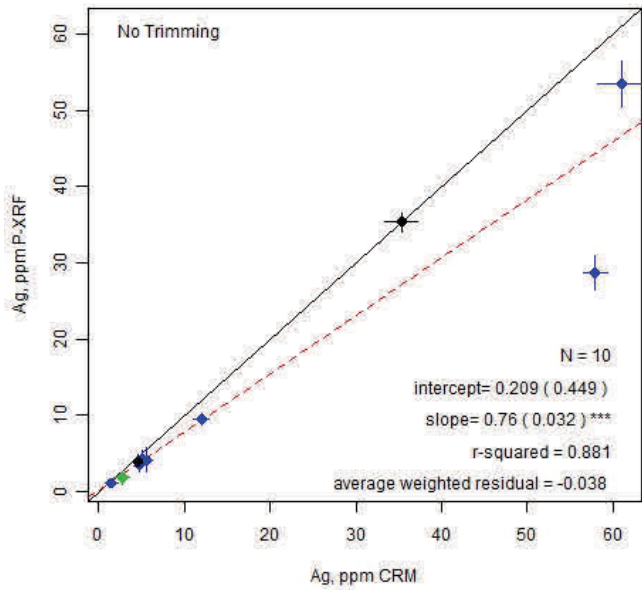
CAMIRO PROJECT 10E01

**Quality Control Assessment of Portable XRF Analysers:
Development of Standard Operating Procedures,
Performance on Variable Media and Recommended Uses**

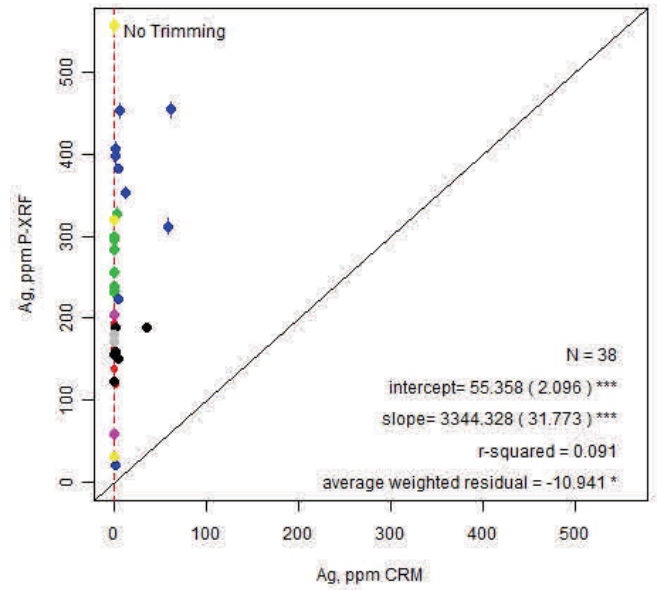
APPENDIX 4a

X-Y Graphs for Soil Mode

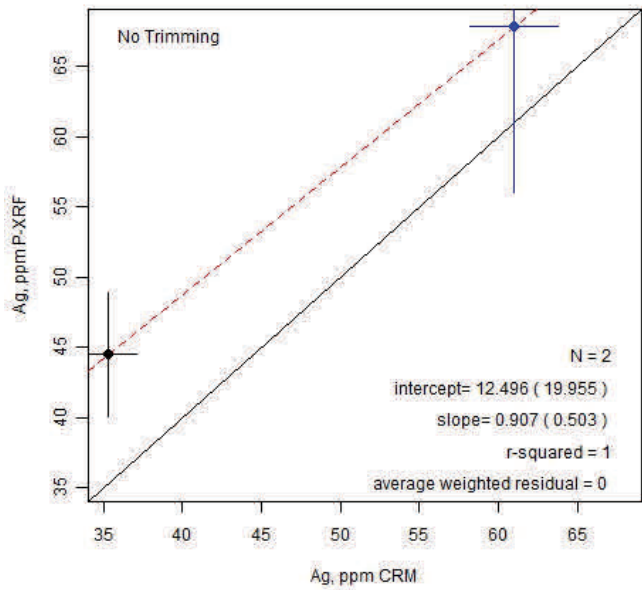
Bench Top-BTAS-Soil Mode



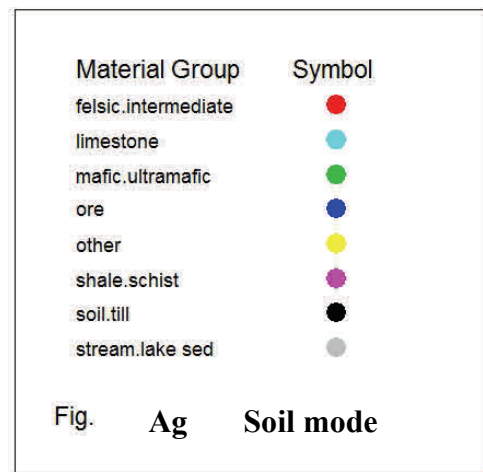
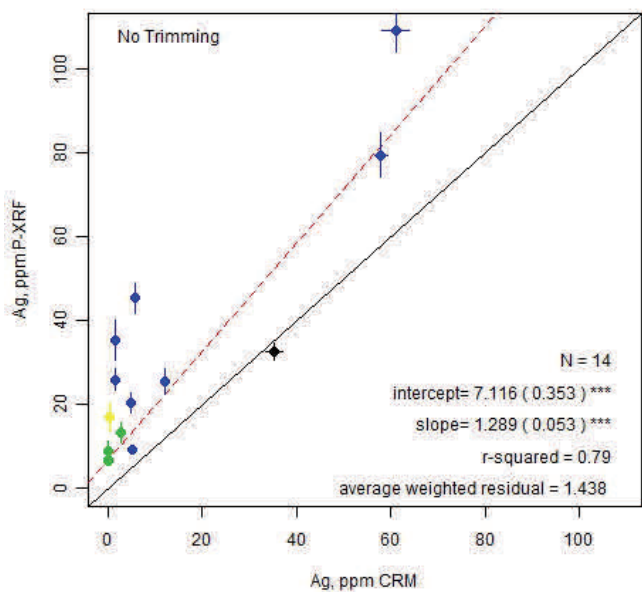
Bench Top-BTBS-Soil Mode



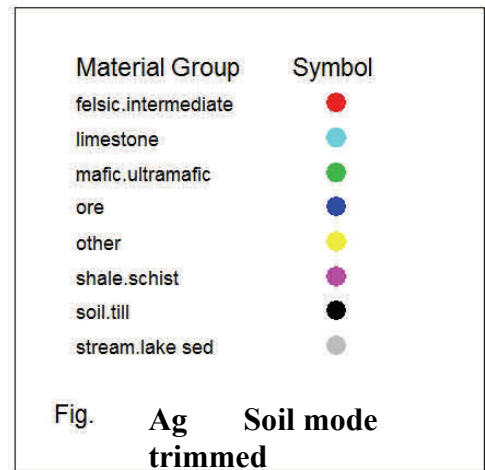
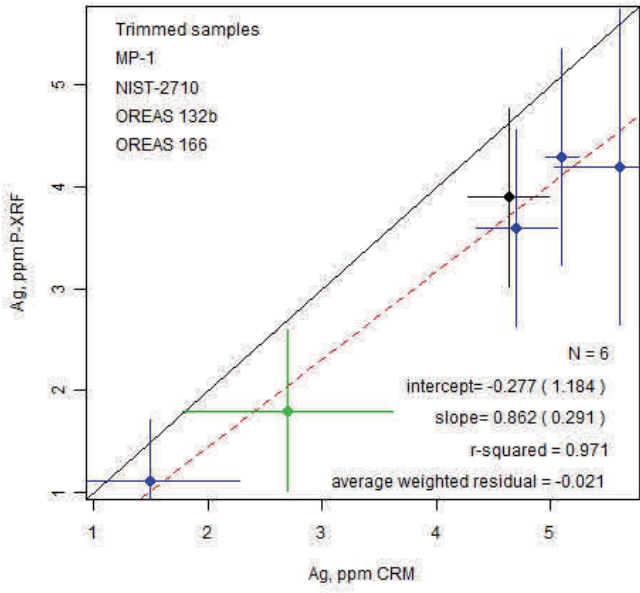
Handheld-HHAS-Soil Mode

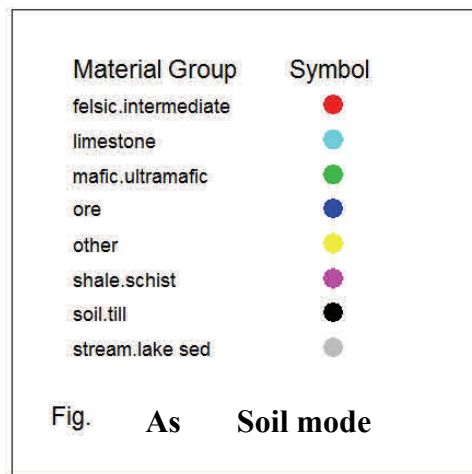
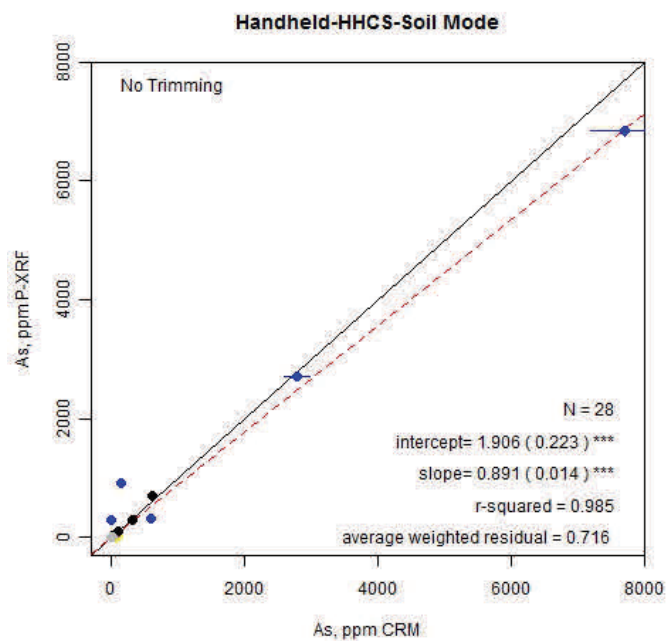
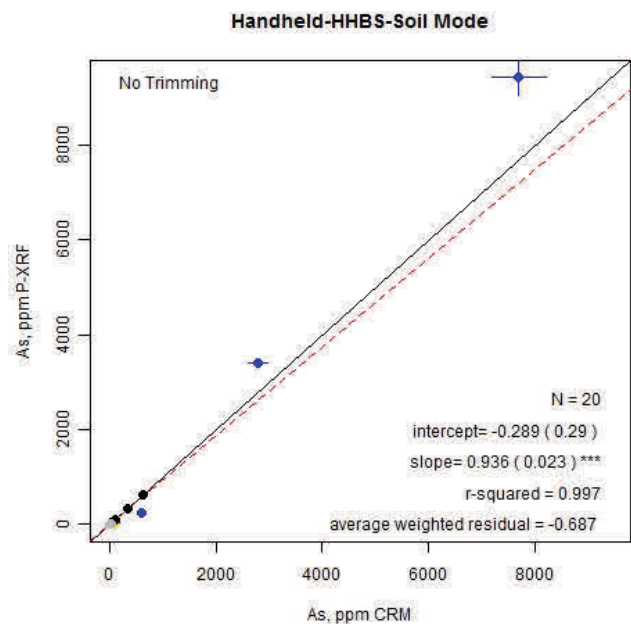
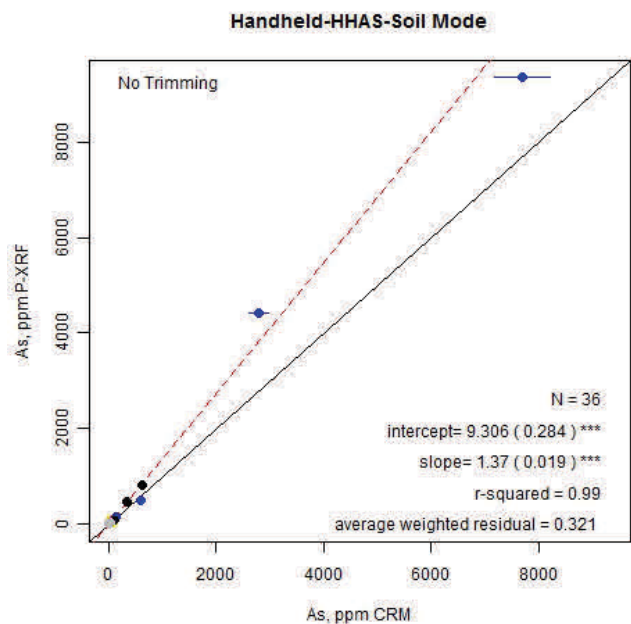
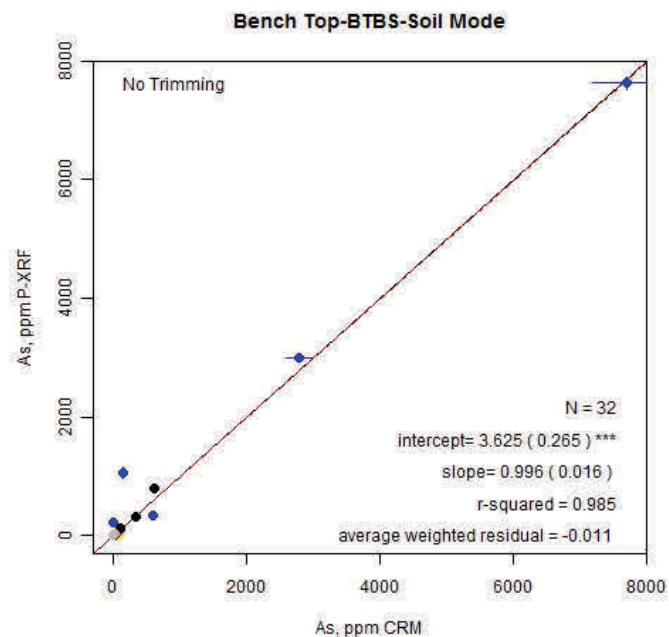
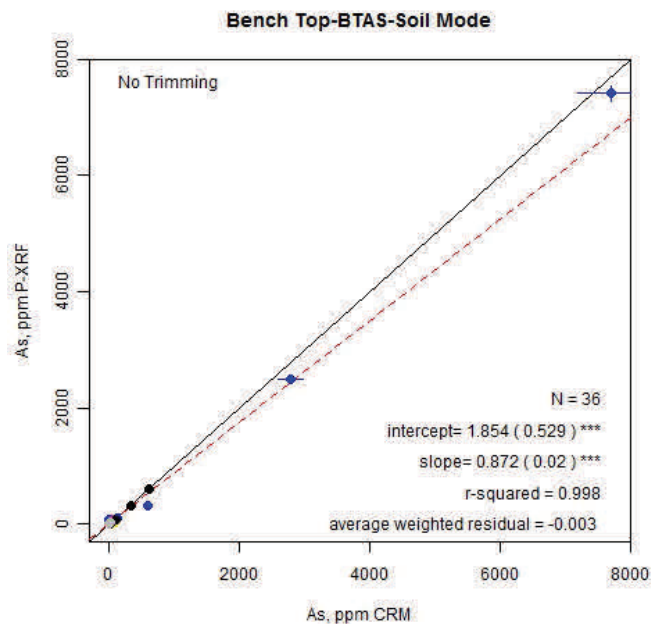


Handheld-HHCS-Soil Mode

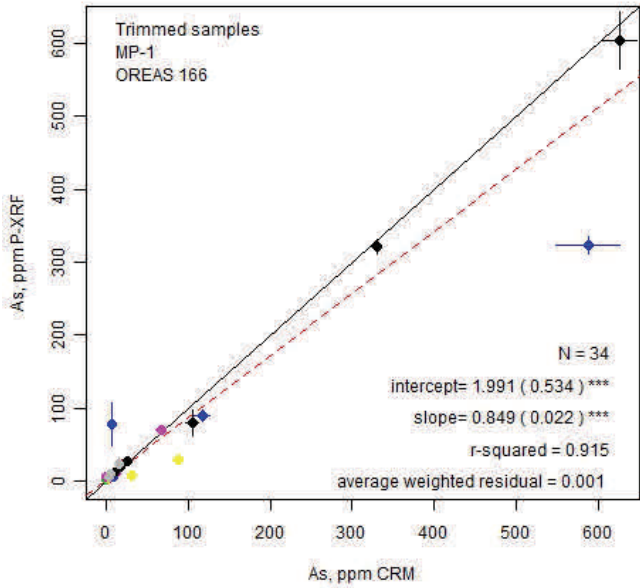


Bench Top-Machine A-Soil Mode

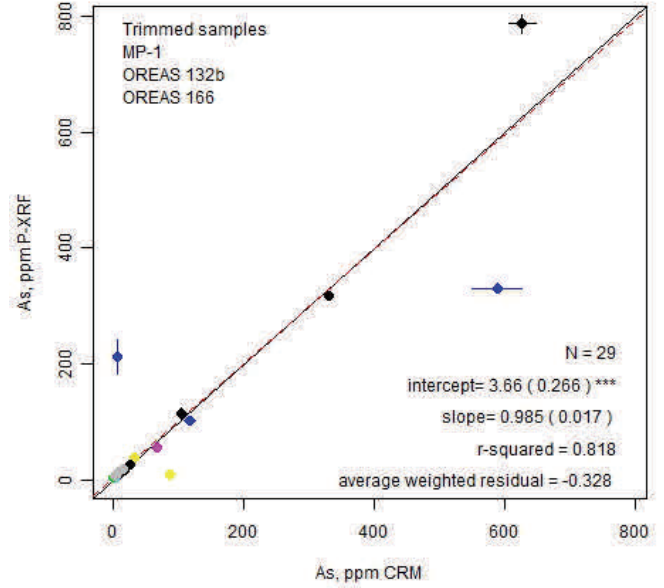




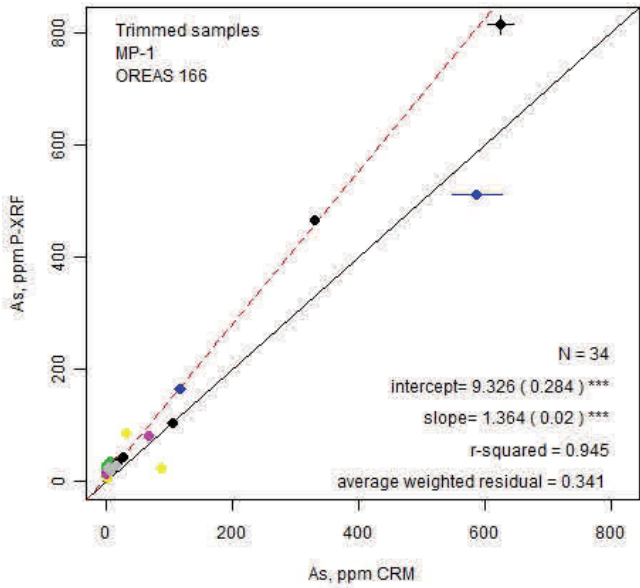
Bench Top-Machine A-Soil Mode



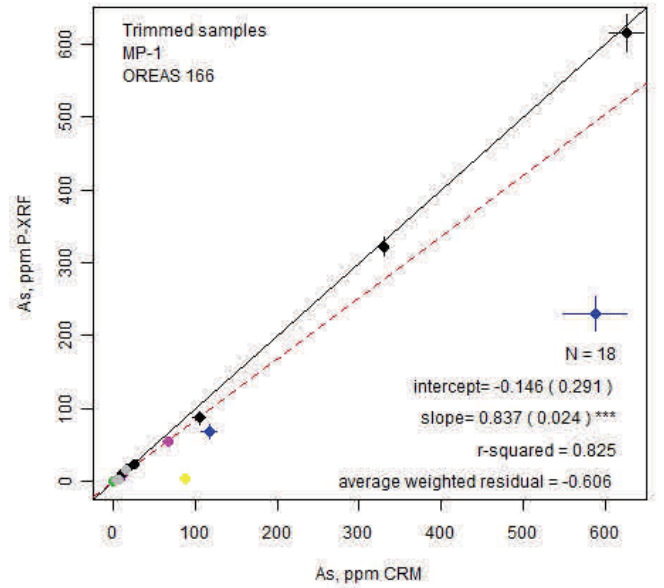
Bench Top-BTBS-Soil Mode



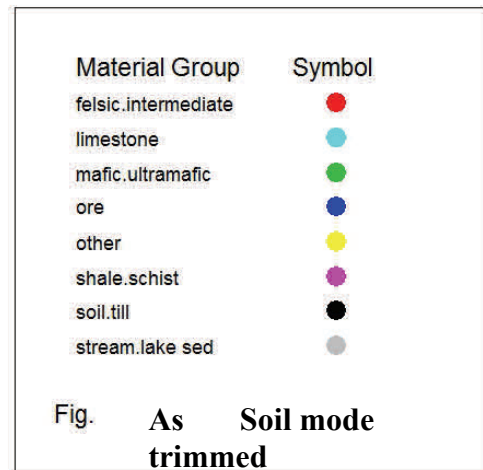
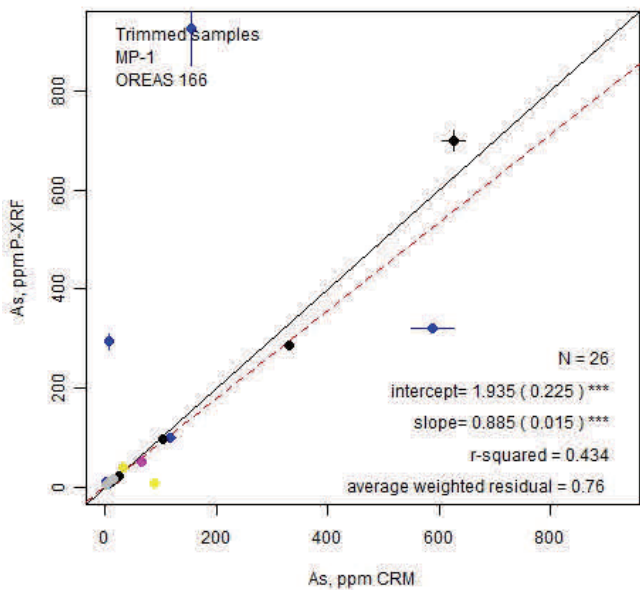
Handheld-HHAS-Soil Mode



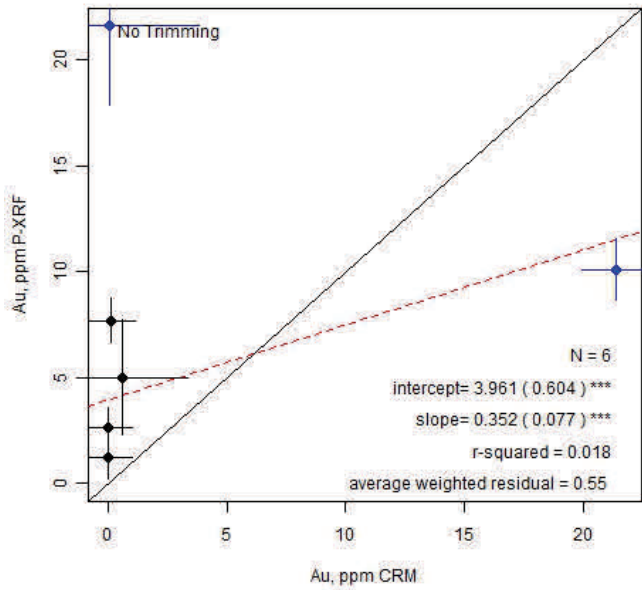
Handheld-HHBS-Soil Mode



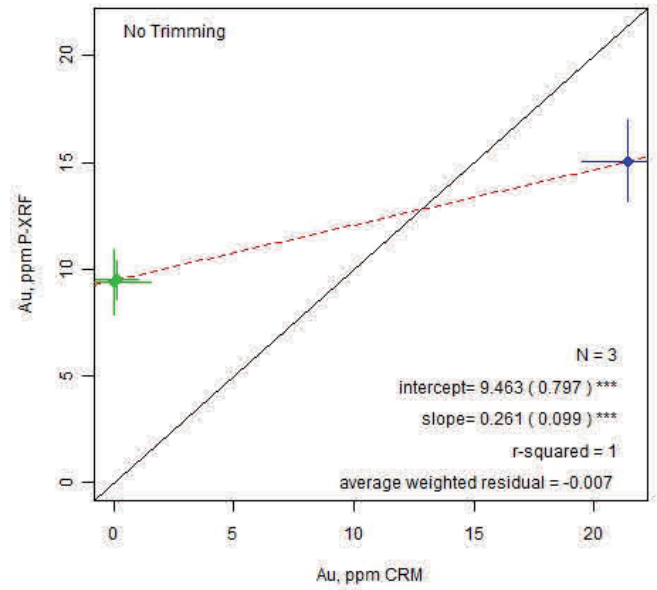
Handheld-HHCS-Soil Mode



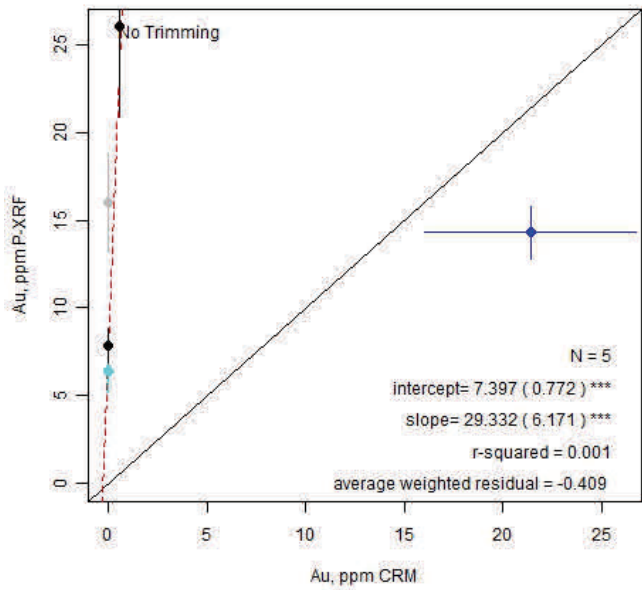
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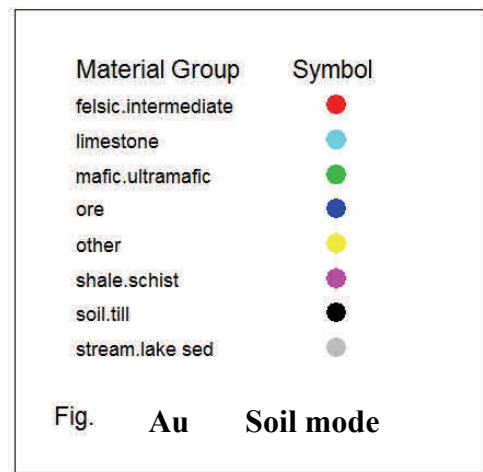
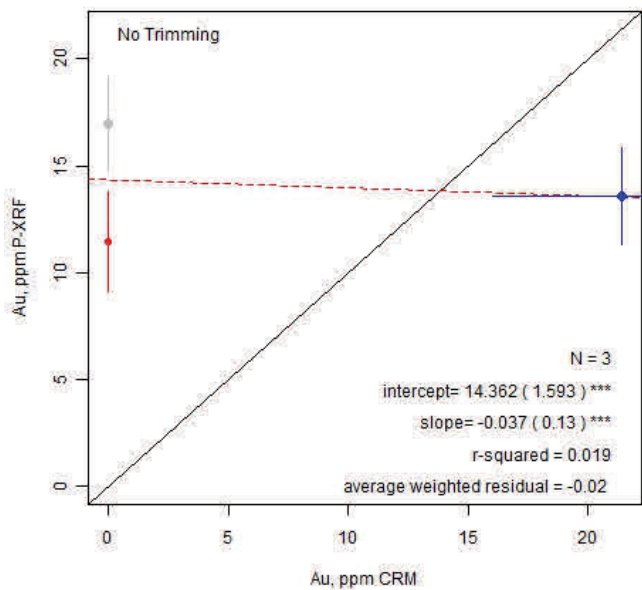
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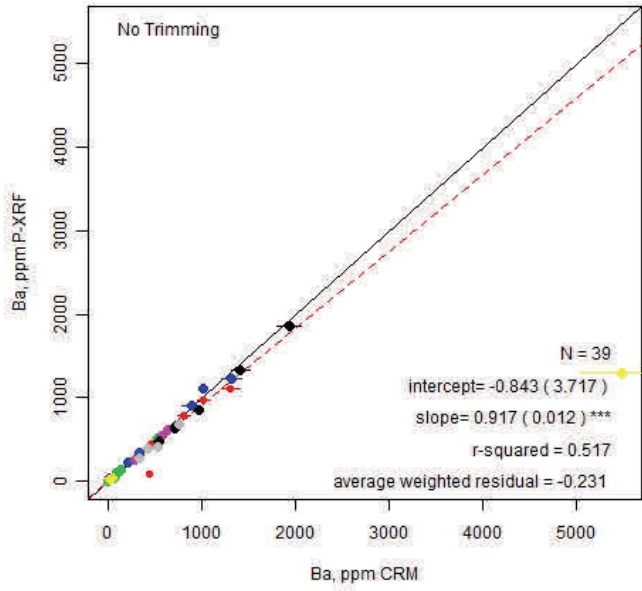
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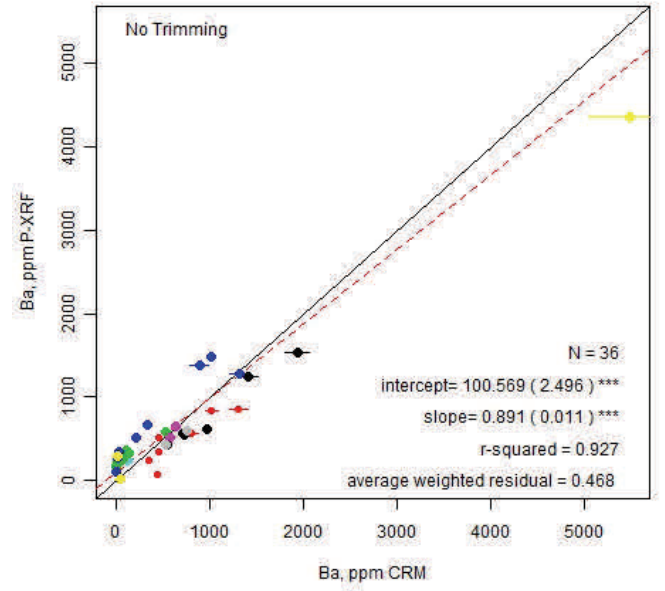
Handheld-HHCS-Soil Mode



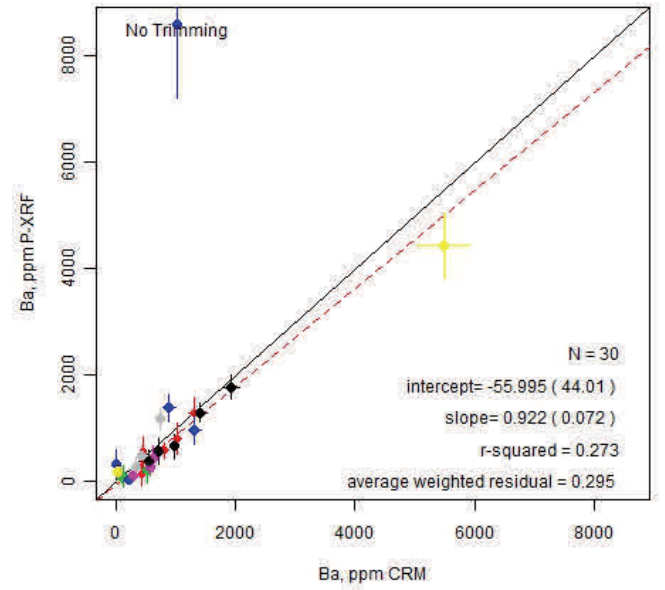
Bench Top-BTAS-Soil Mode



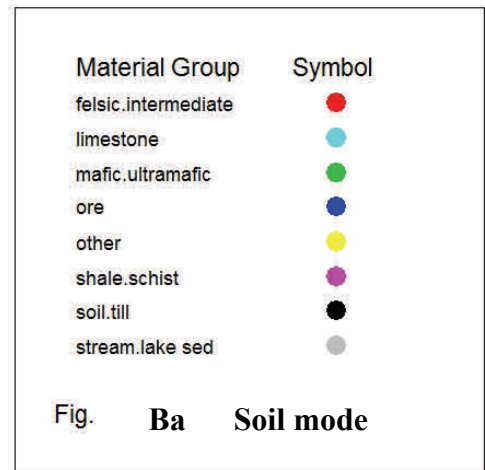
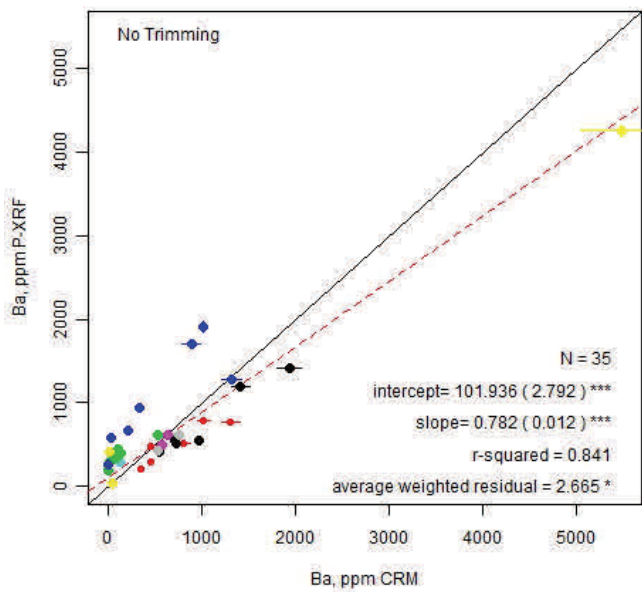
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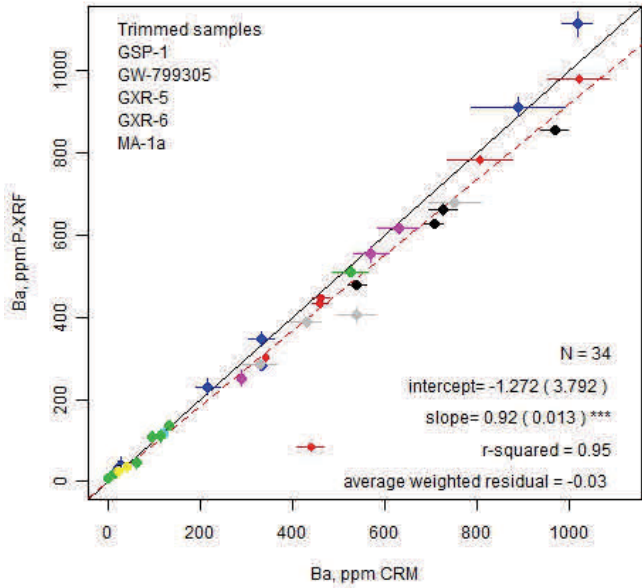
Handheld-HHBS-Soil Mode



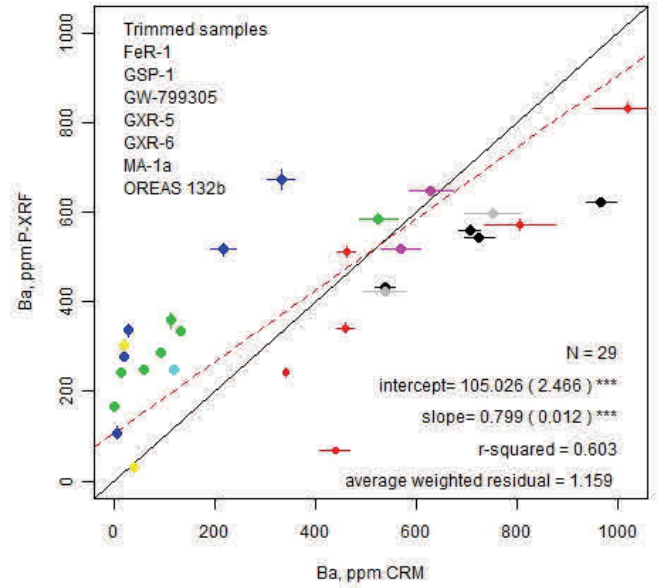
Handheld-HHCS-Soil Mode



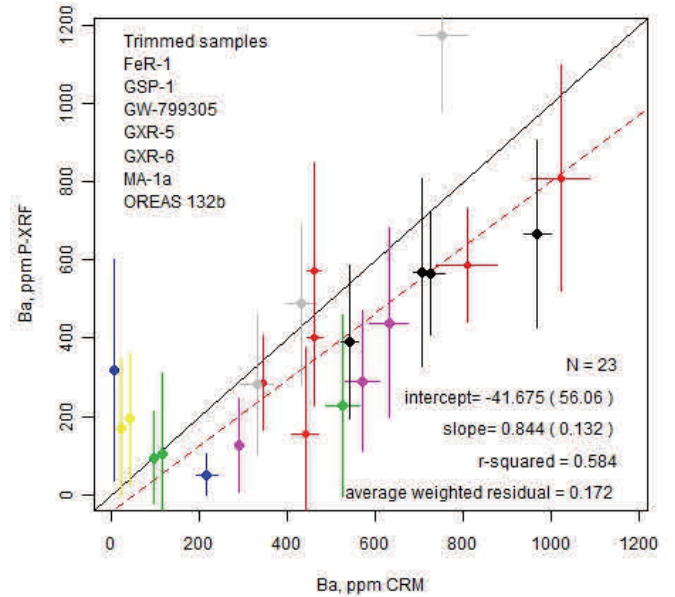
Bench Top-Machine A-Soil Mode



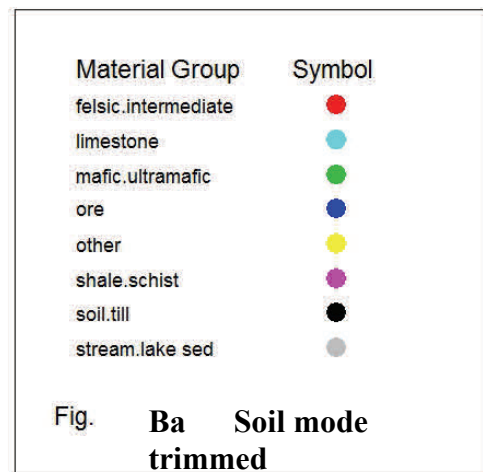
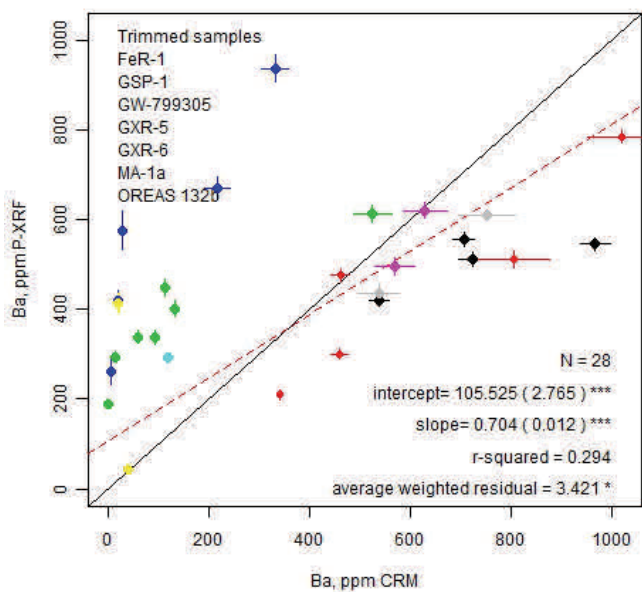
Bench Top-BTBS-Soil Mode



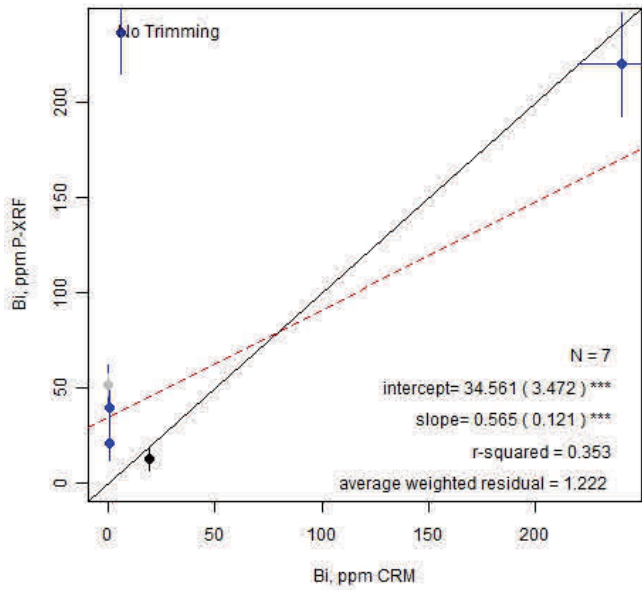
Handheld-HHBS-Soil Mode



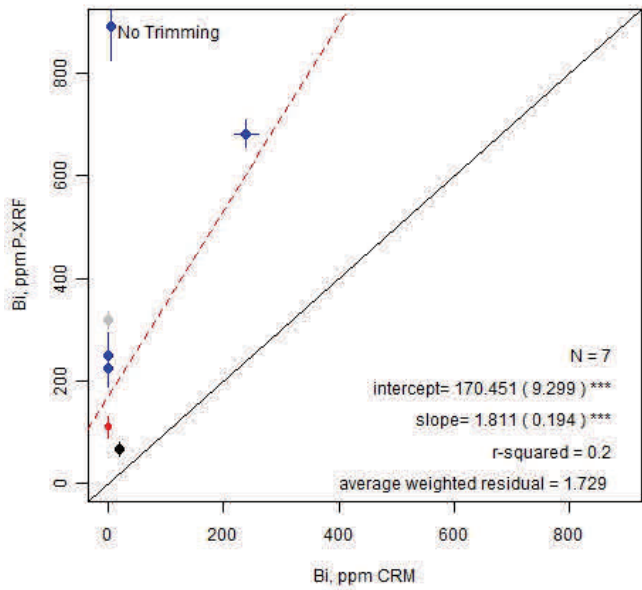
Handheld-HHCS-Soil Mode



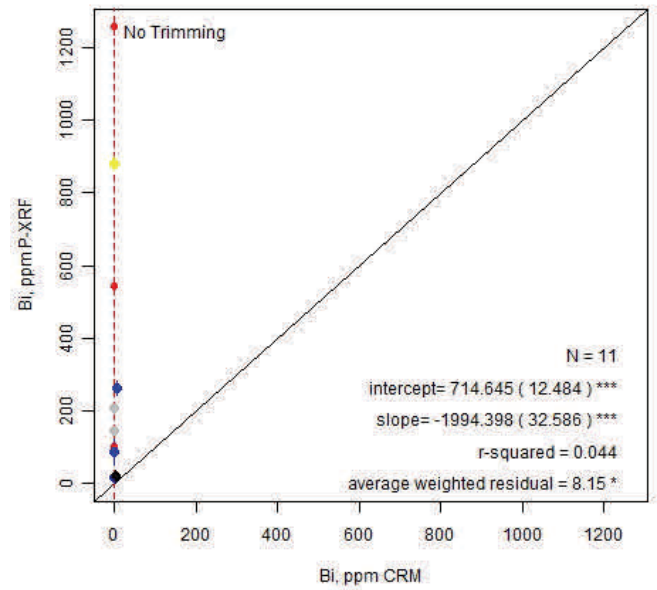
Bench Top-BTAS-Soil Mode



Handheld-HHAS-Soil Mode



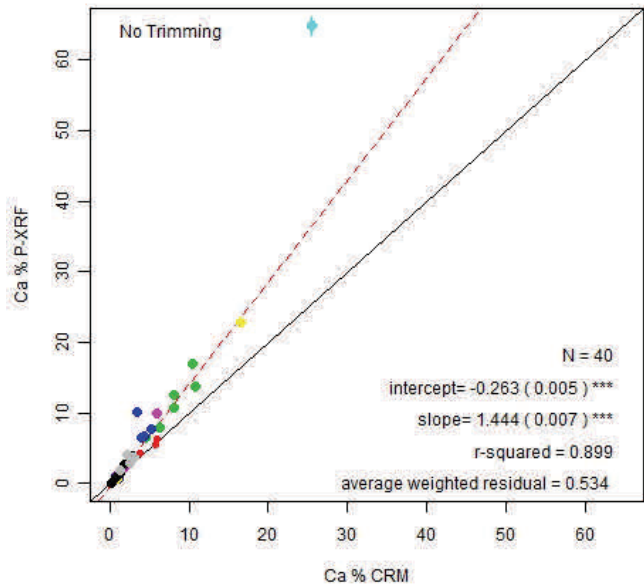
Handheld-HHBS-Soil Mode



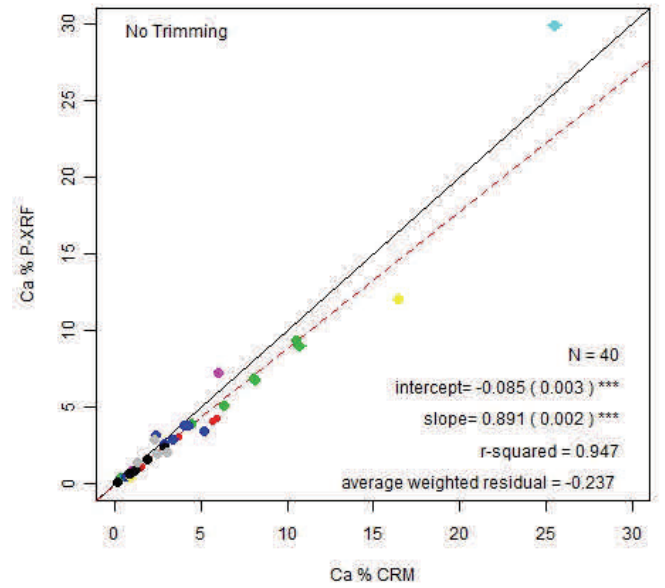
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Bi Soil mode

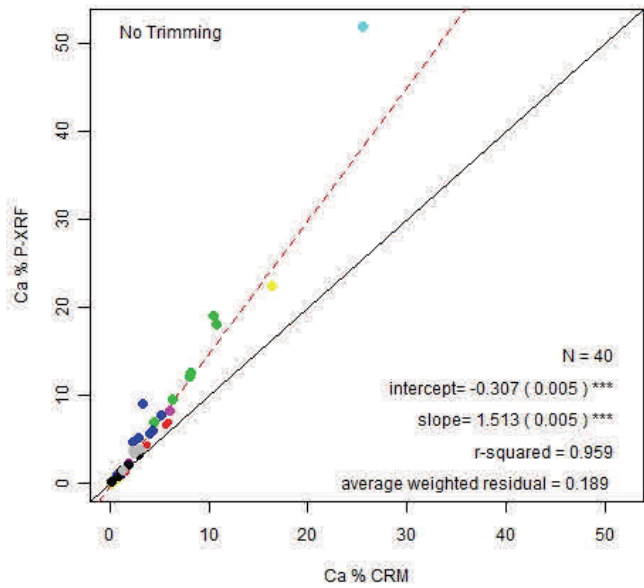
Bench Top-BTAS-Soil Mode



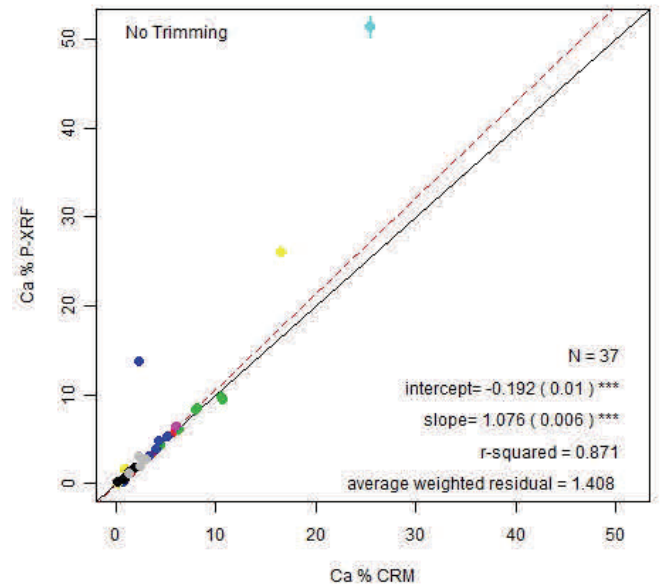
Bench Top-BTBS-Soil Mode



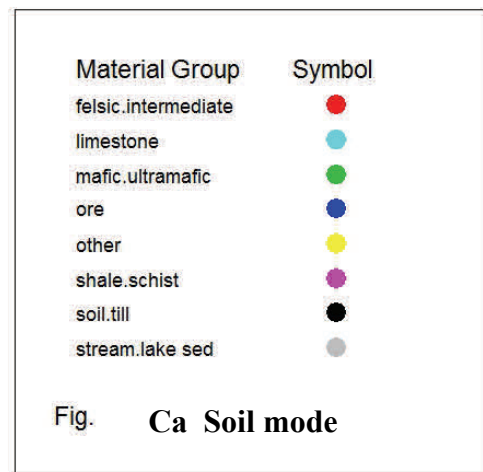
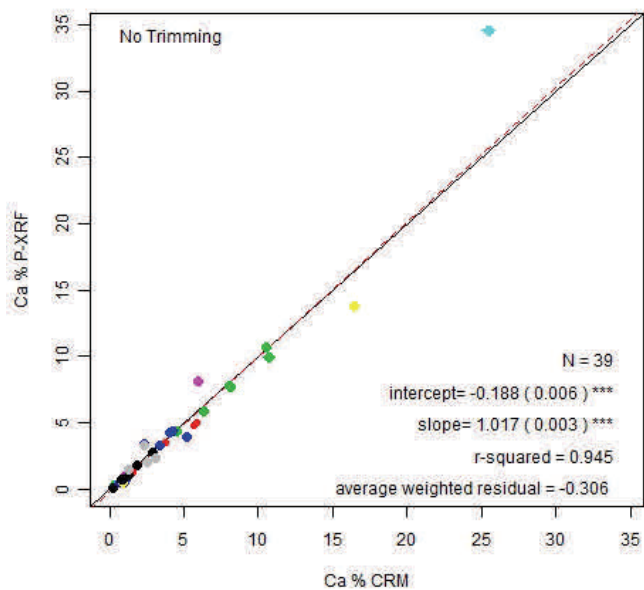
Handheld-HHAS-Soil Mode



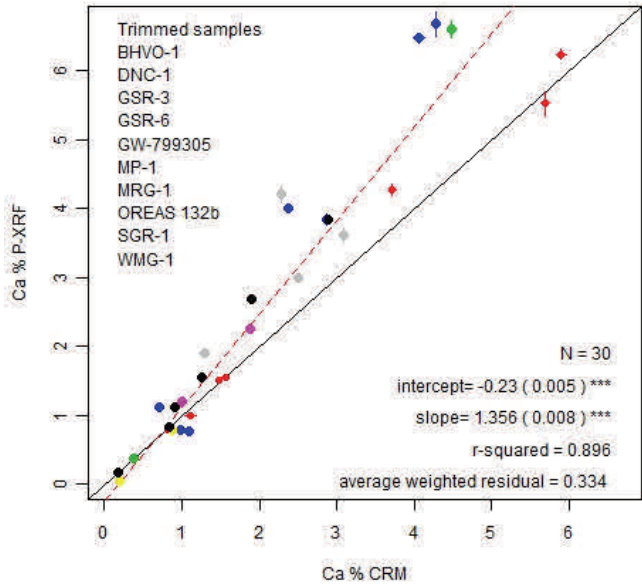
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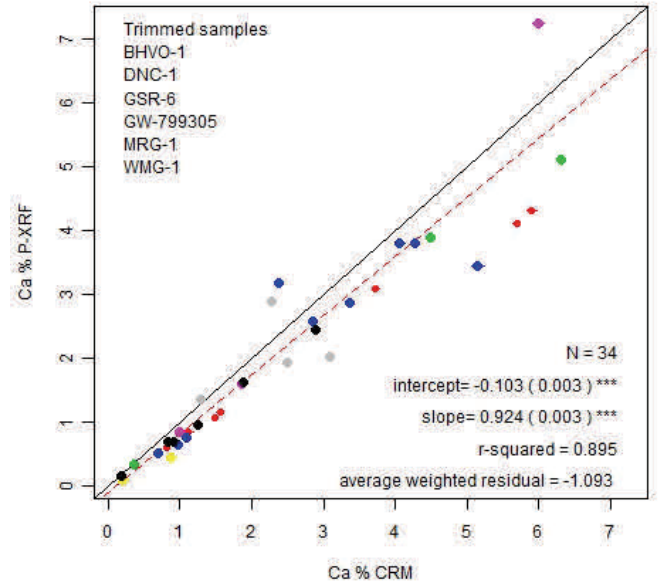
Handheld-HHCS-Soil Mode



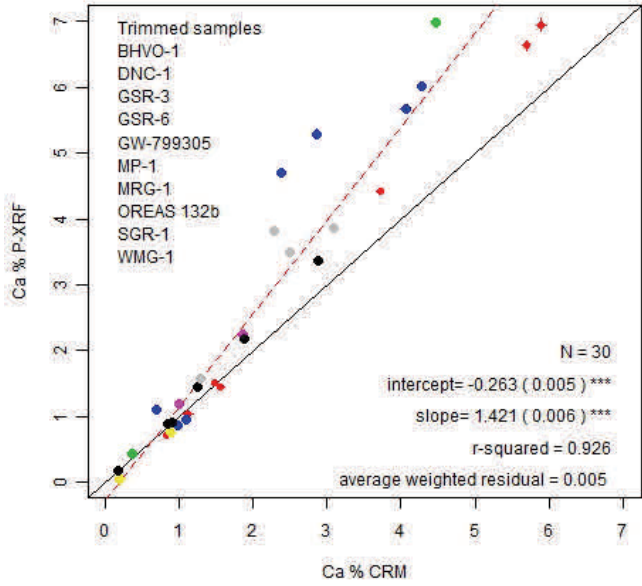
Bench Top-Machine A-Soil Mode



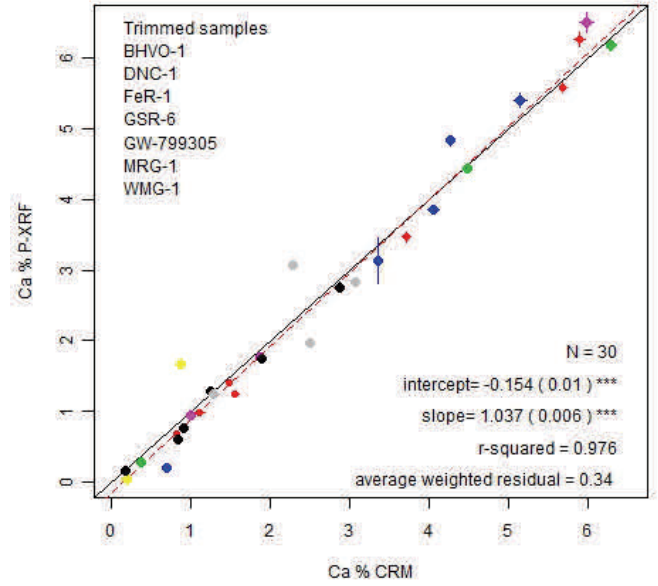
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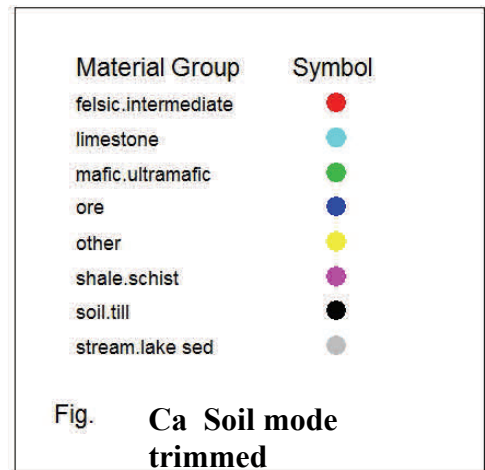
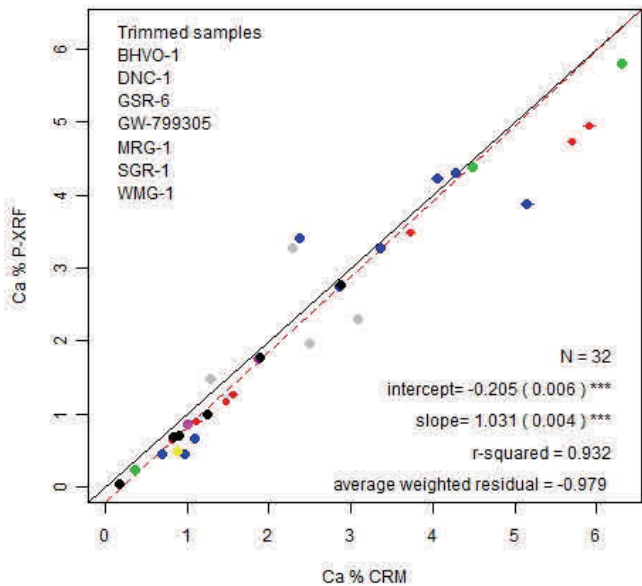
Handheld-HHAS-Soil Mode



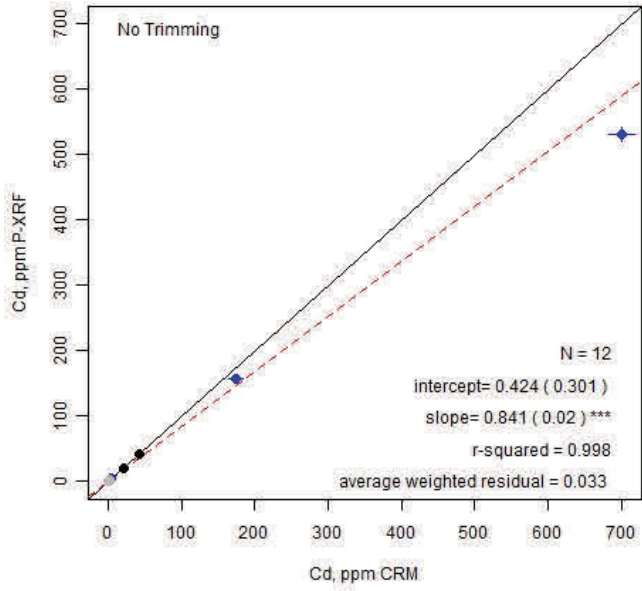
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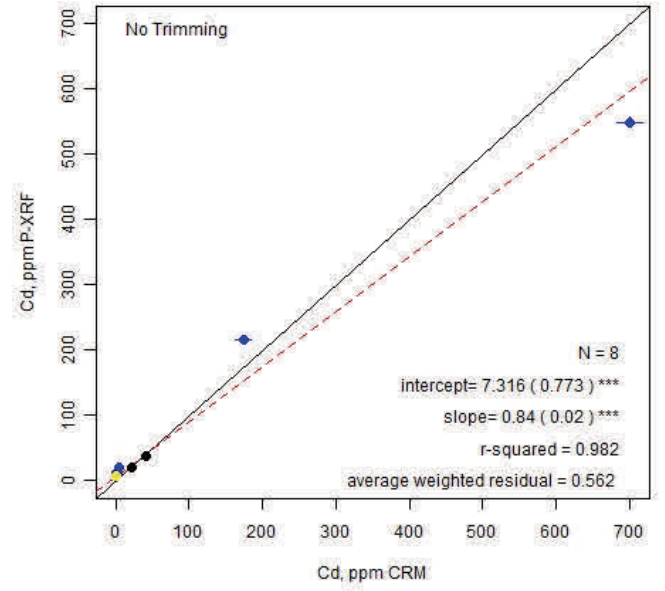
Handheld-HHCS-Soil Mode



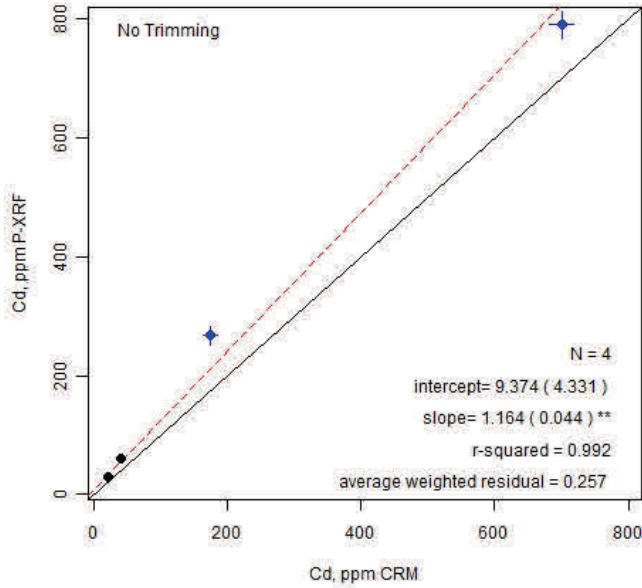
Bench Top-BTAS-Soil Mode



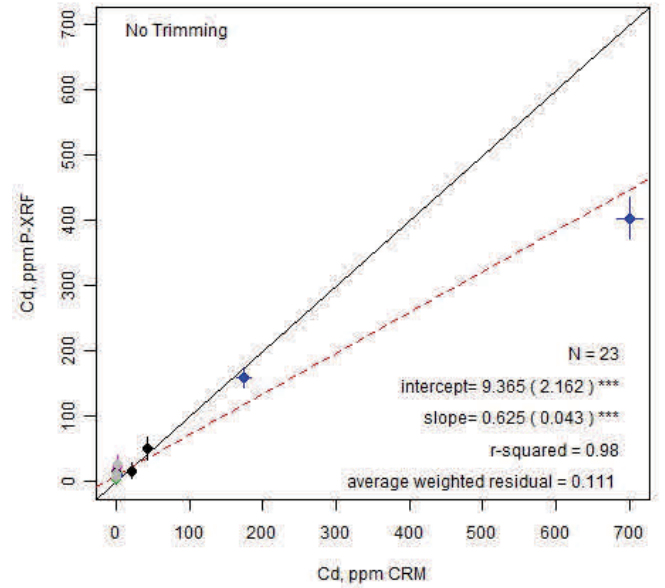
Bench Top-BTBS-Soil Mode



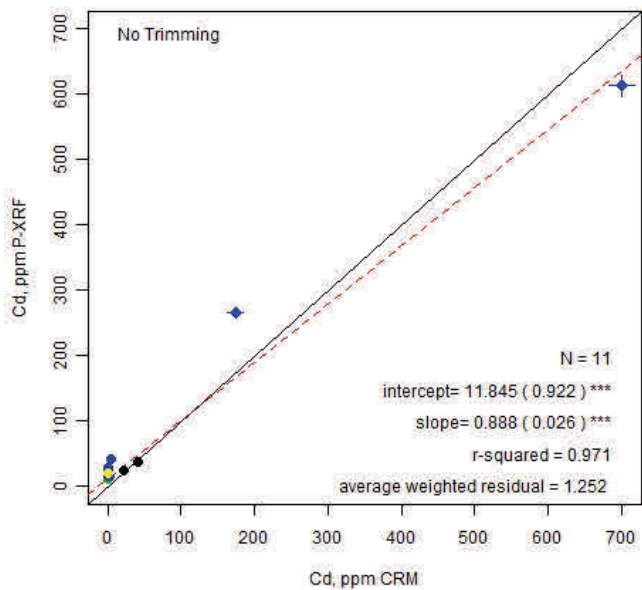
Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode



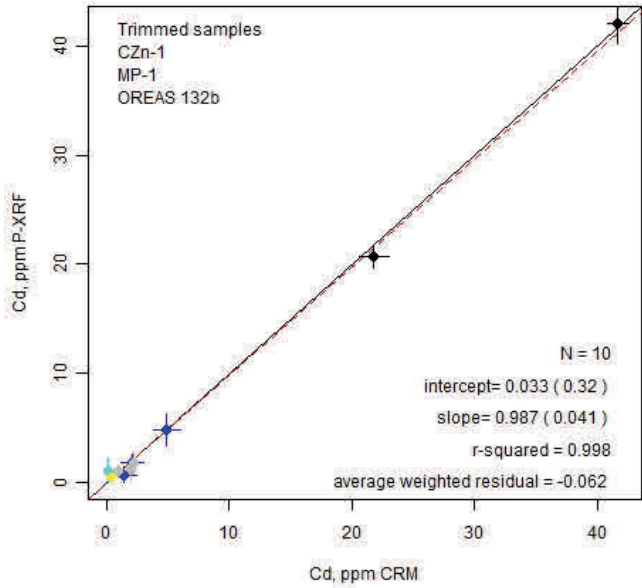
Handheld-HHCS-Soil Mode



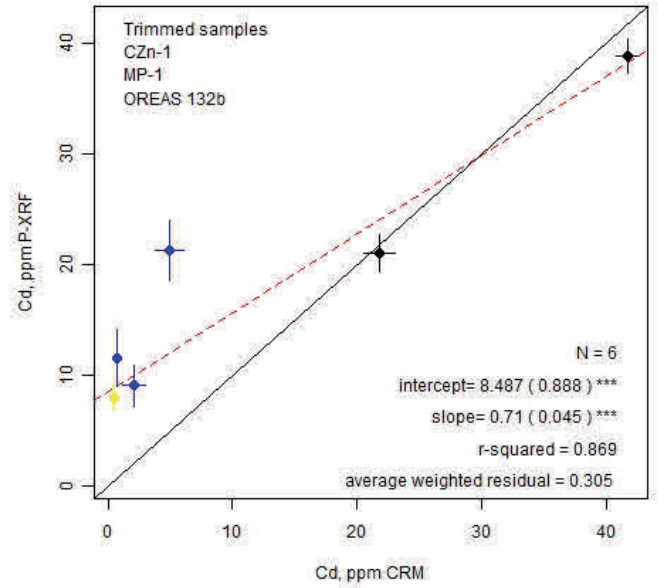
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Cd Soil mode

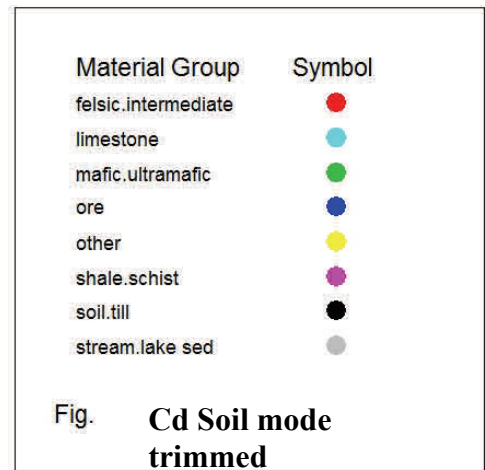
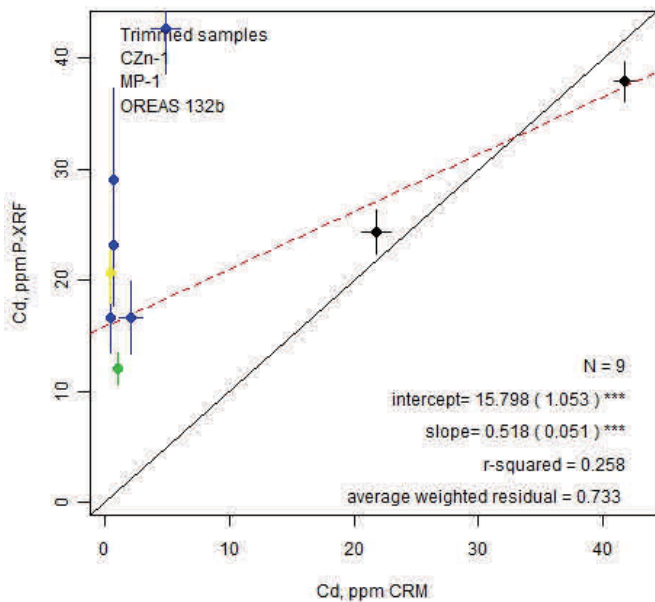
Bench Top-Machine A-Soil Mode



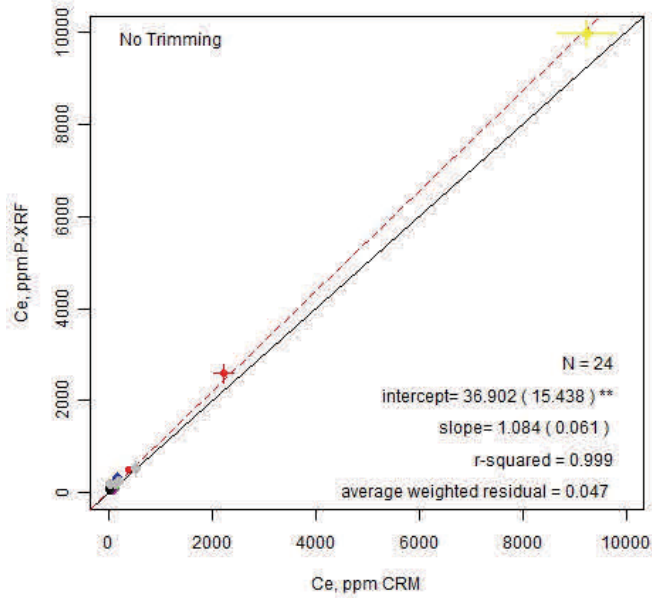
Bench Top-BTBS-Soil Mode



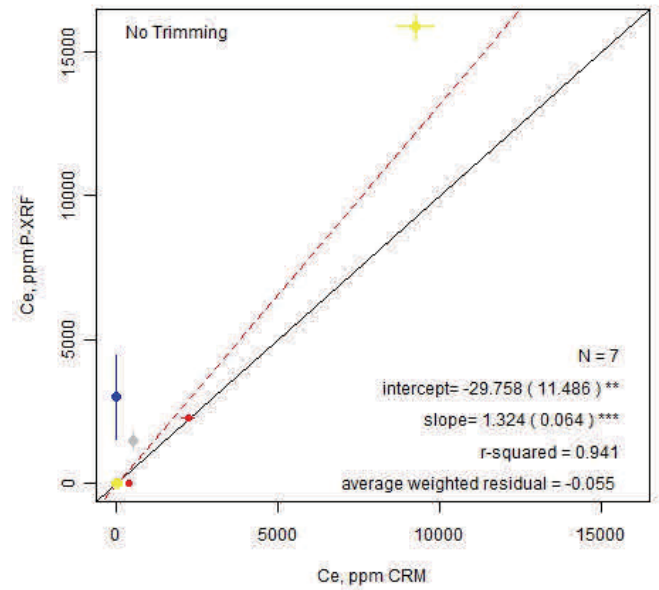
Handheld-HHCS-Soil Mode



Bench Top-BTAS-Soil Mode



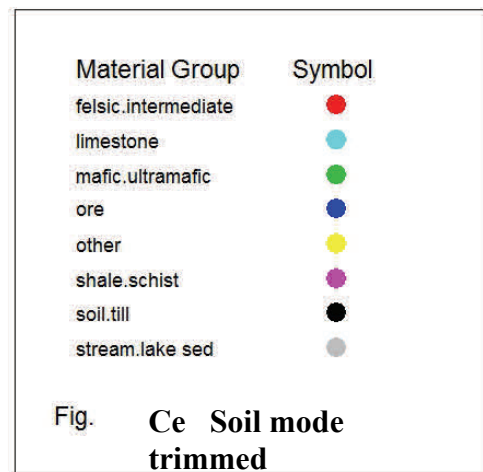
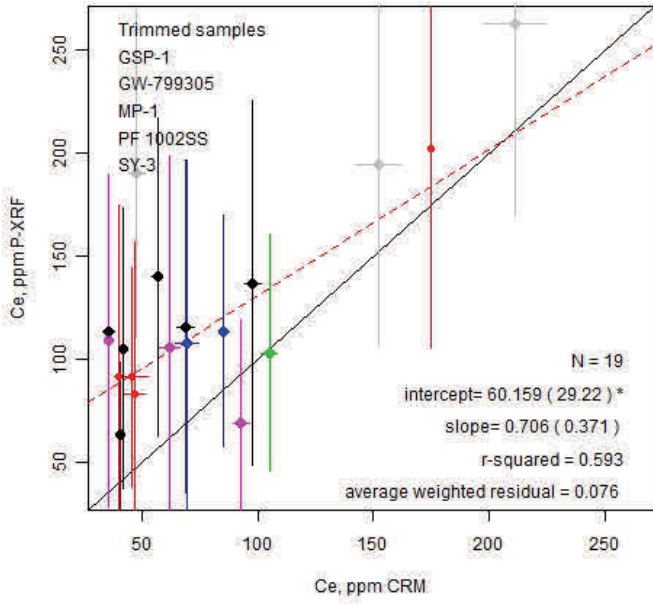
Handheld-HHBS-Soil Mode



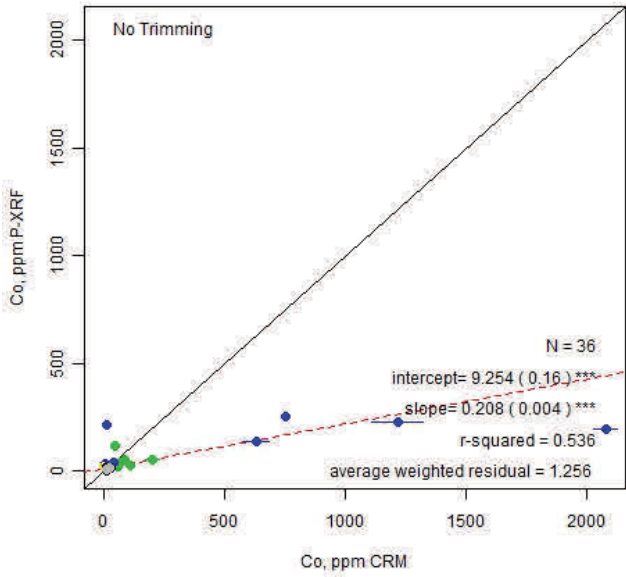
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Ce Soil mode

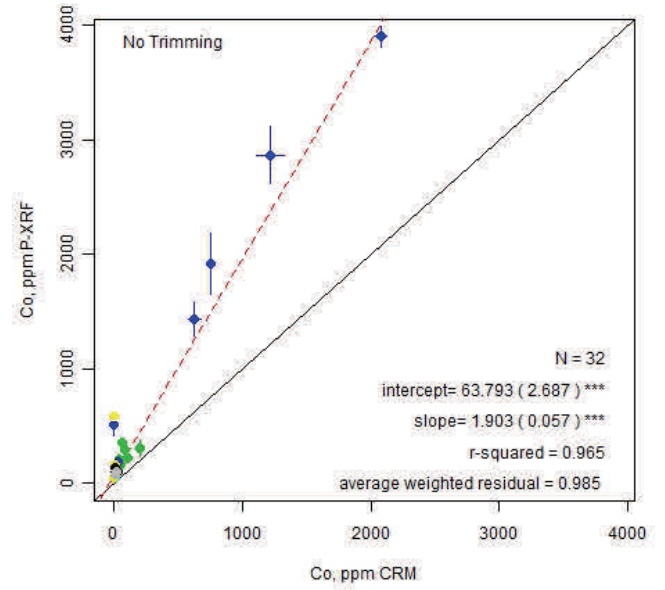
Bench Top-Machine A-Soil Mode



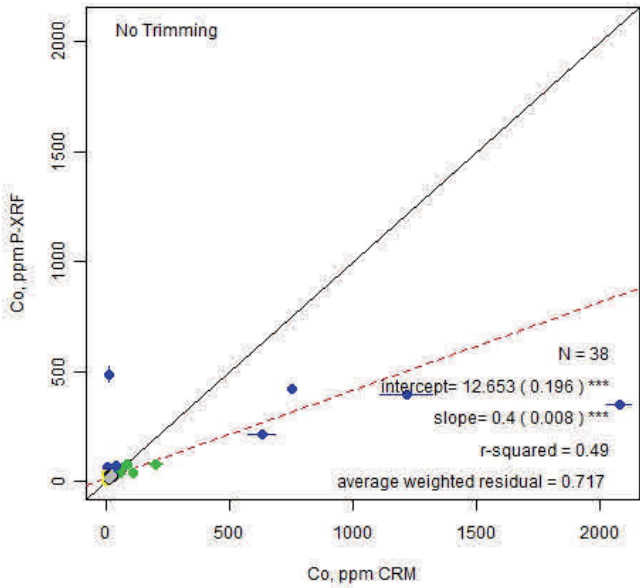
Bench Top-BTAS-Soil Mode



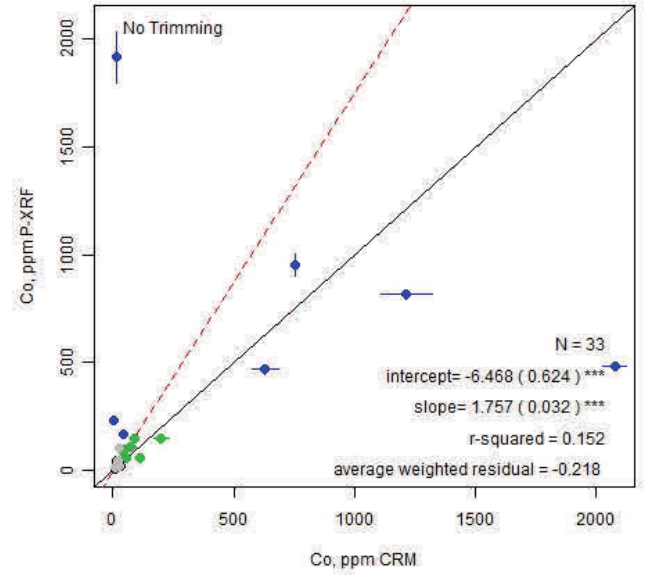
Bench Top-BTBS-Soil Mode



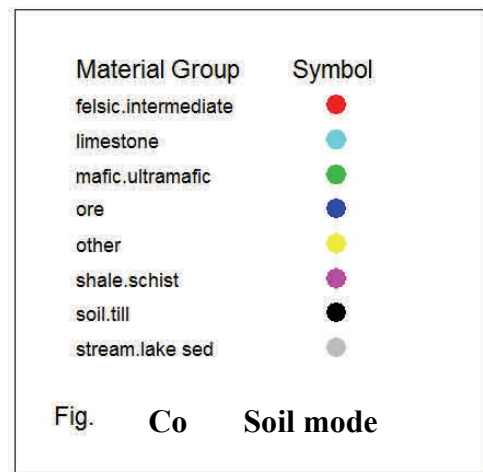
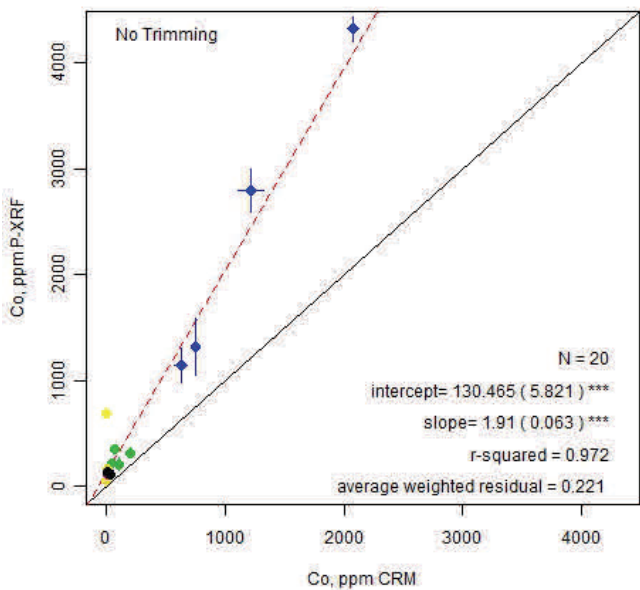
Handheld-HHAS-Soil Mode



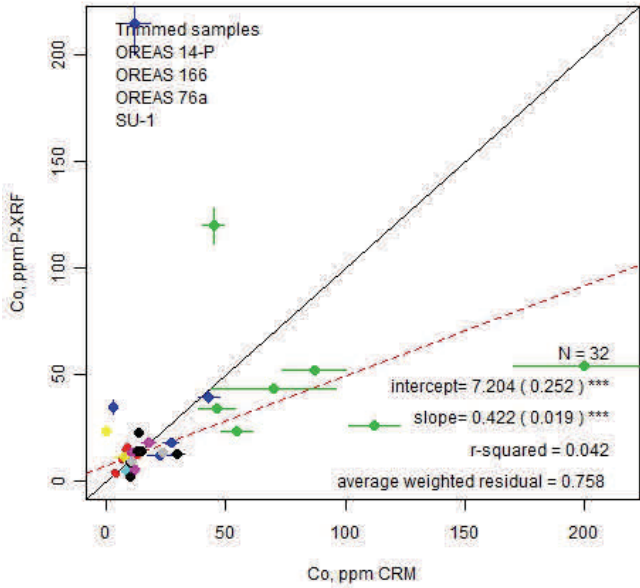
Handheld-HHBS-Soil Mode



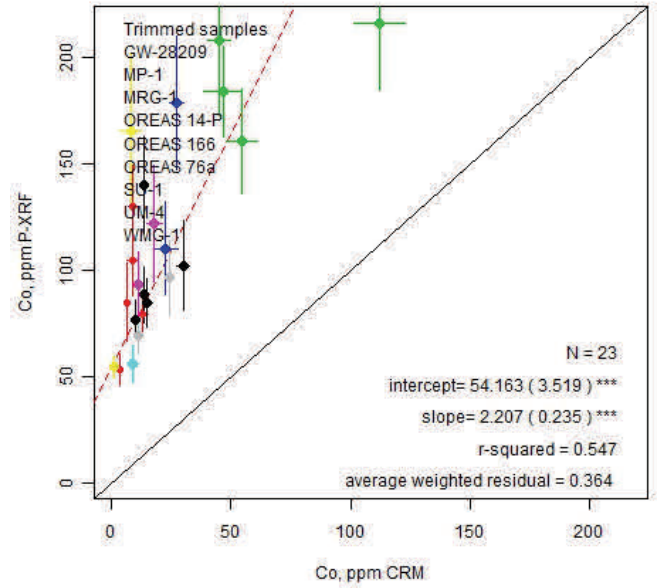
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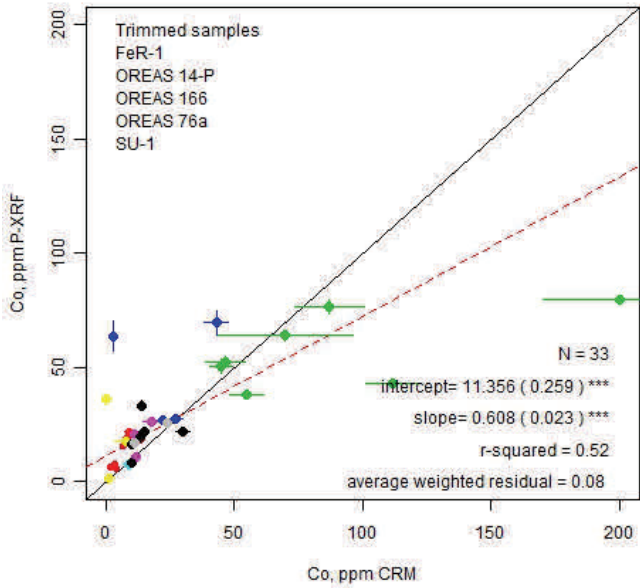
Bench Top-Machine A-Soil Mode



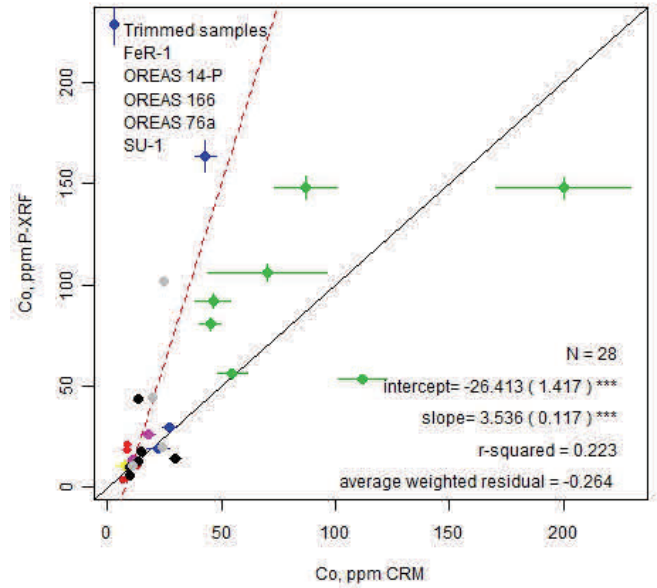
Bench Top-BTBS-Soil Mode



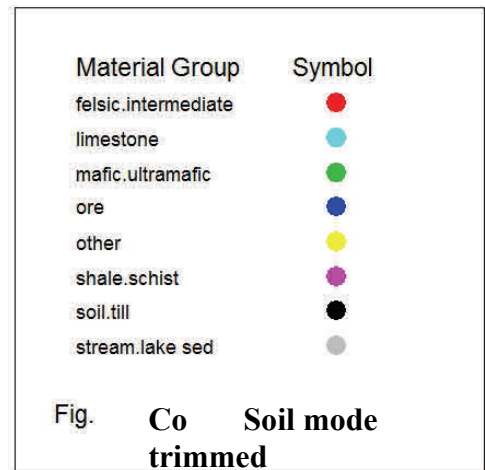
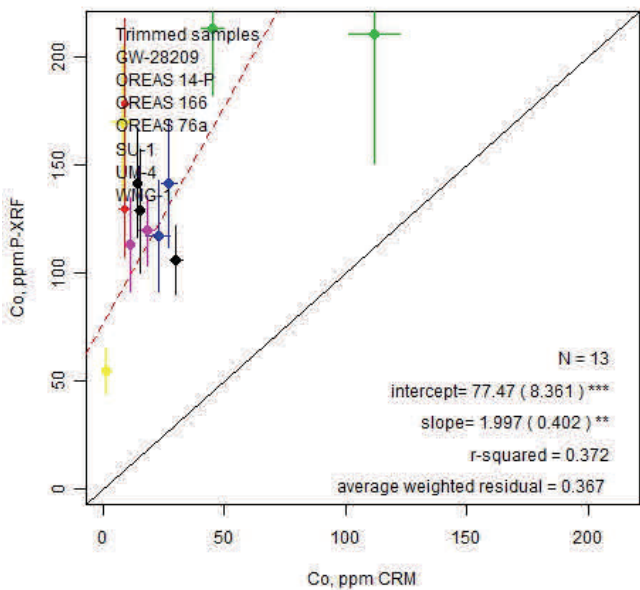
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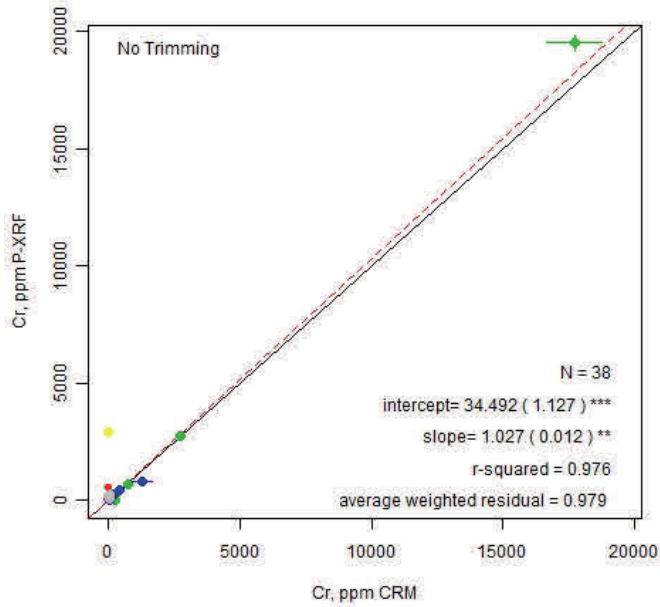
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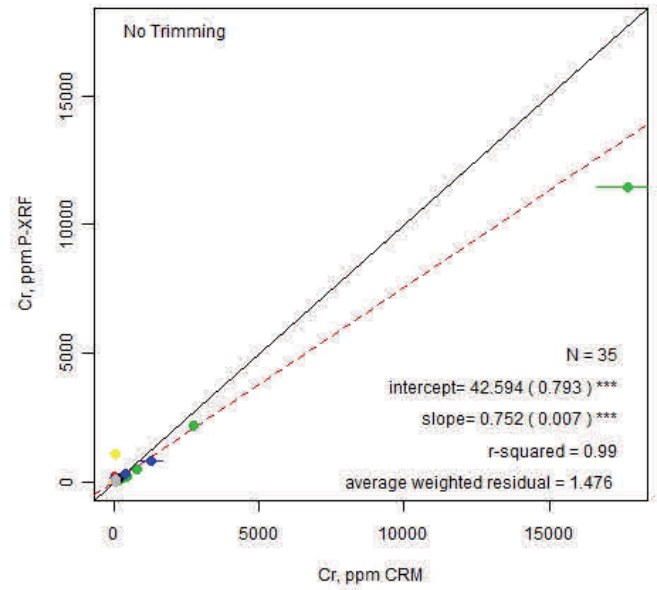
Handheld-HHCS-Soil Mode



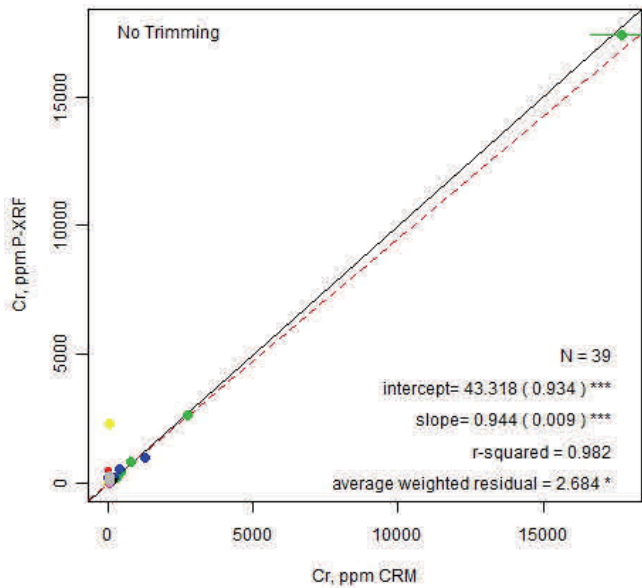
Bench Top-BTAS-Soil Mode



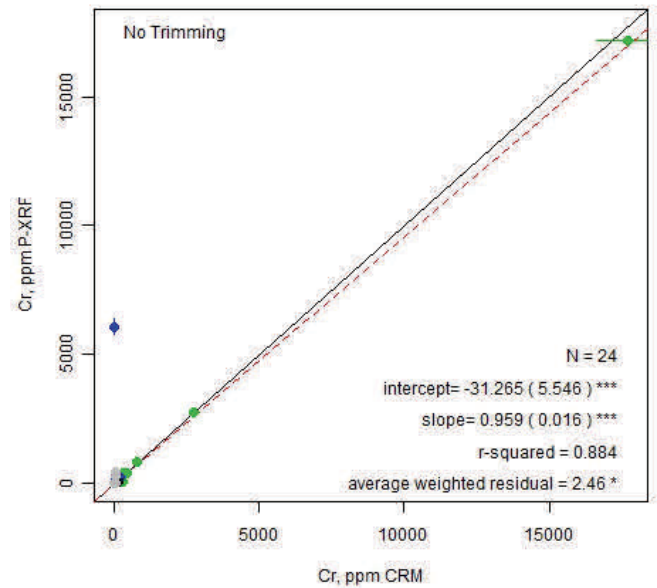
Bench Top-BTBS-Soil Mode



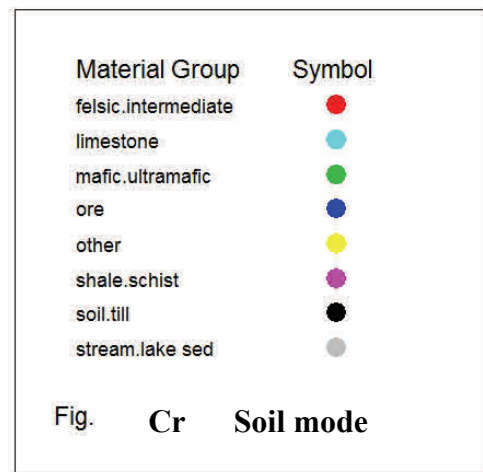
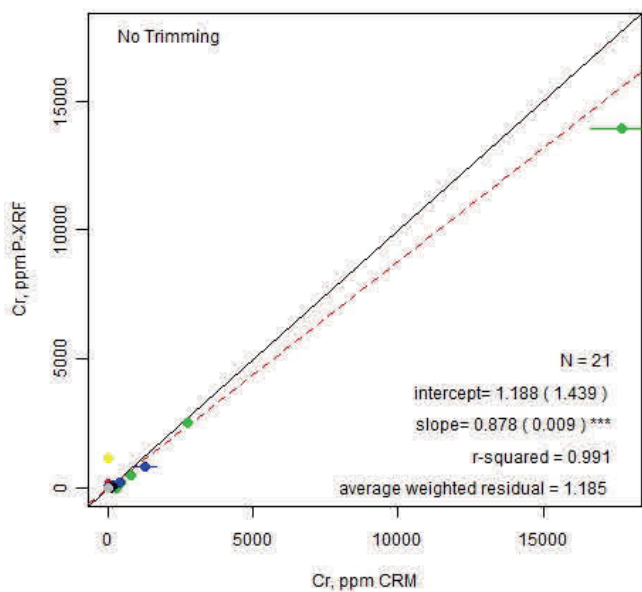
Handheld-HHAS-Soil Mode



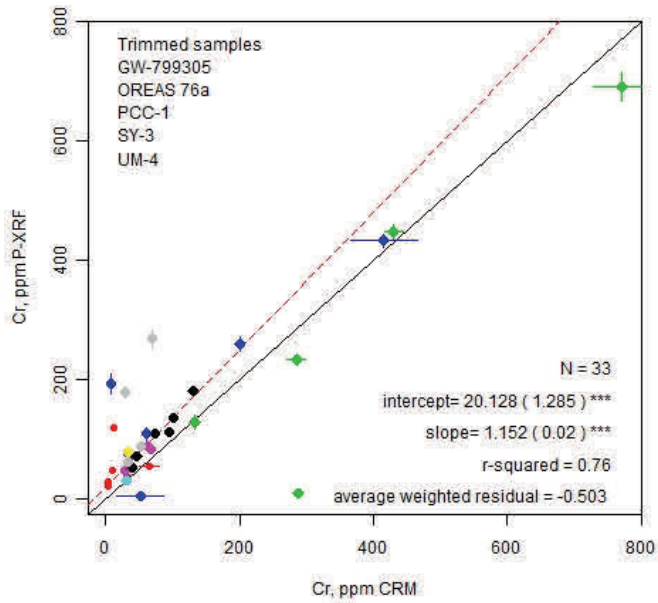
Handheld-HHBS-Soil Mode



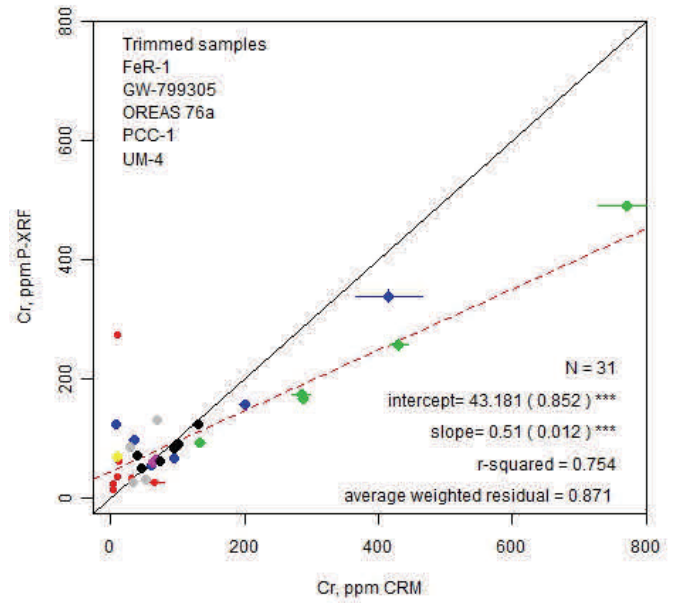
Handheld-HHCS-Soil Mode



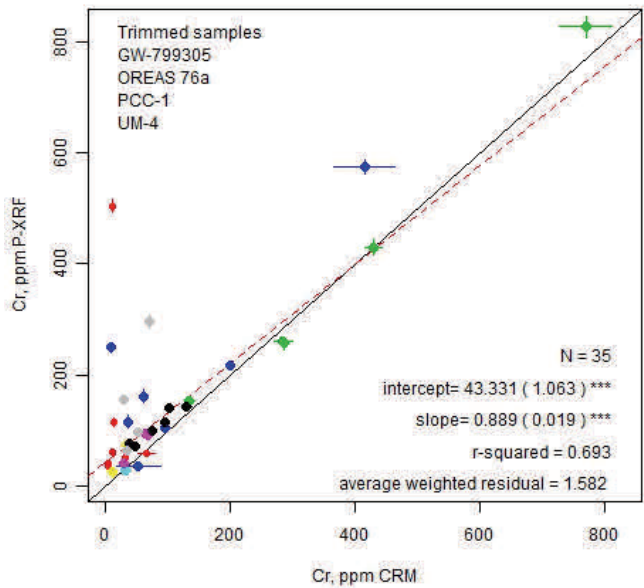
Bench Top-BTAS-Soil Mode



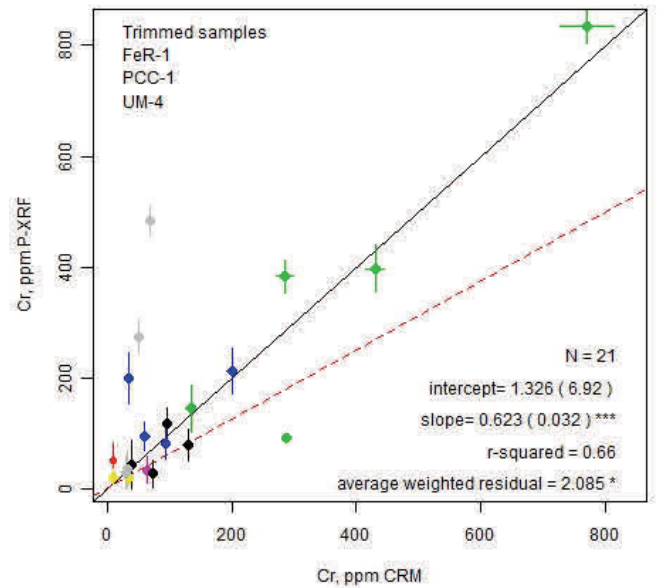
Bench Top-BTBS-Soil Mode



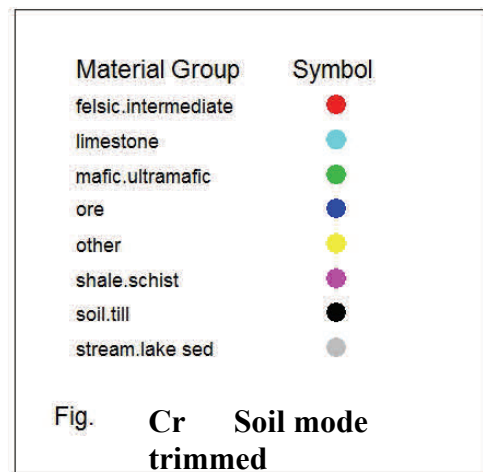
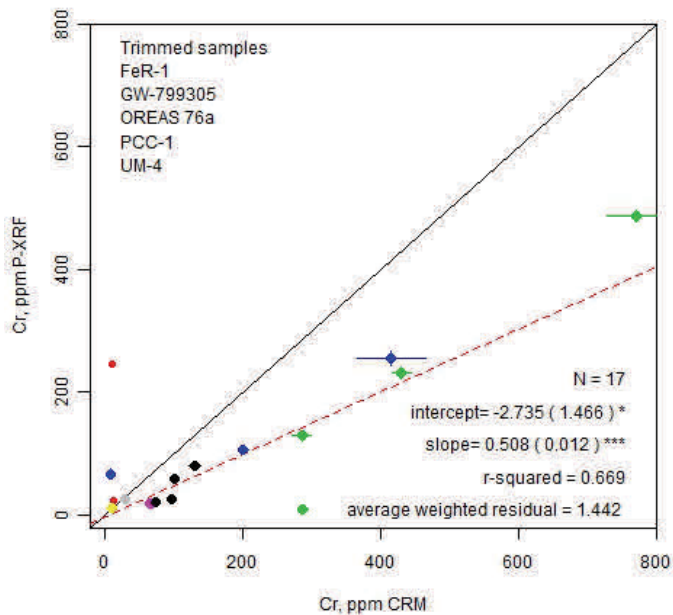
Handheld-HHAS-Soil Mode

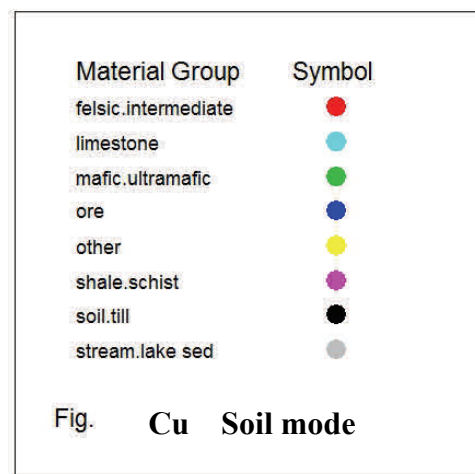
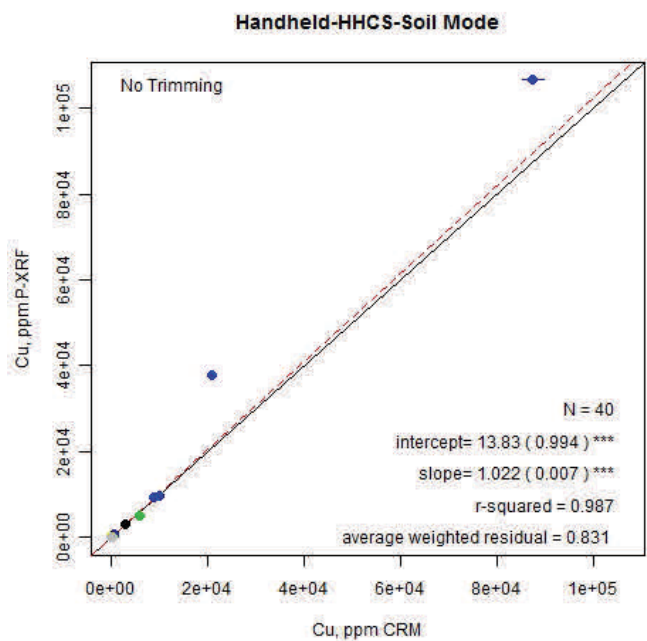
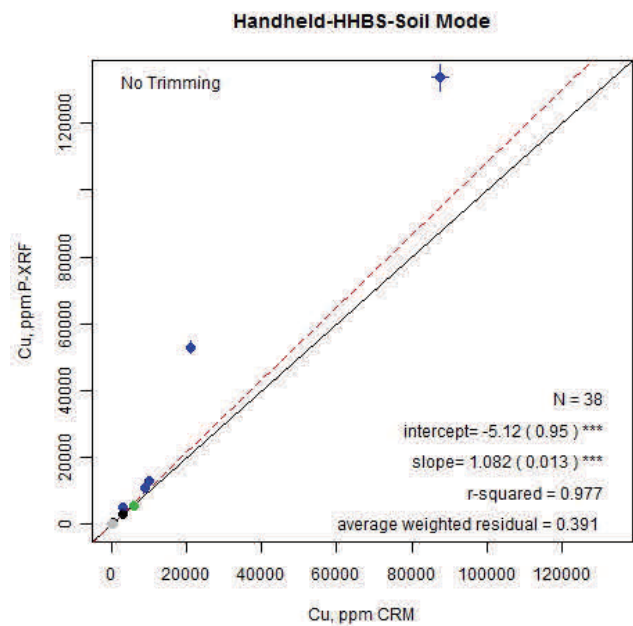
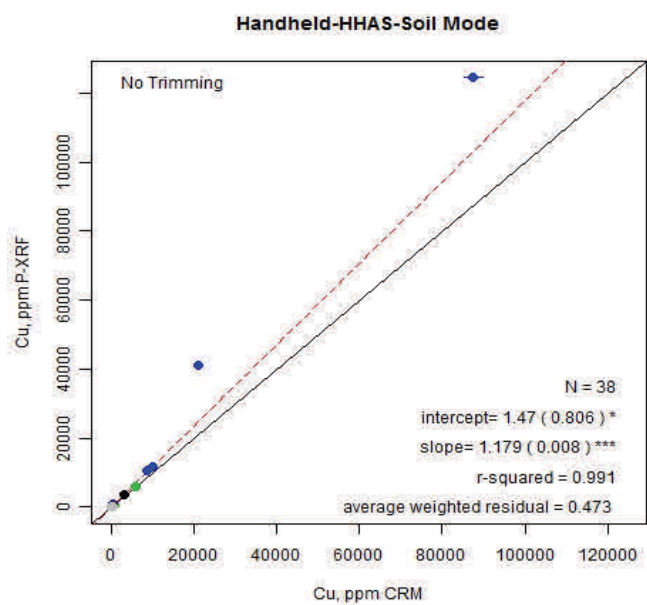
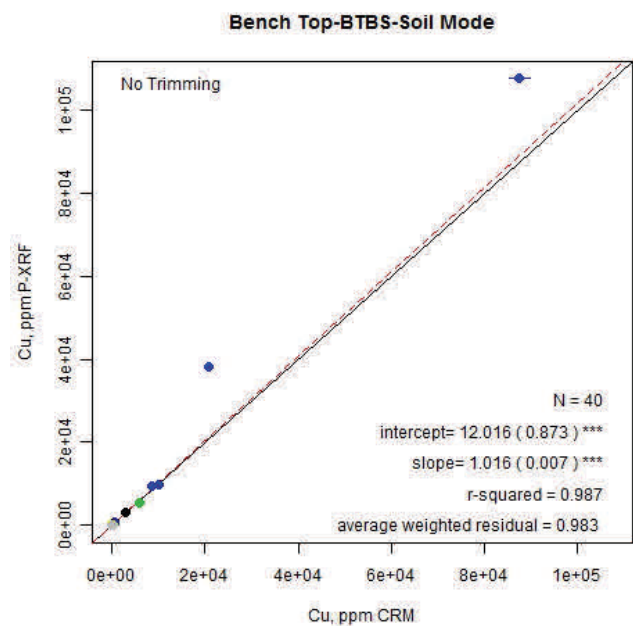
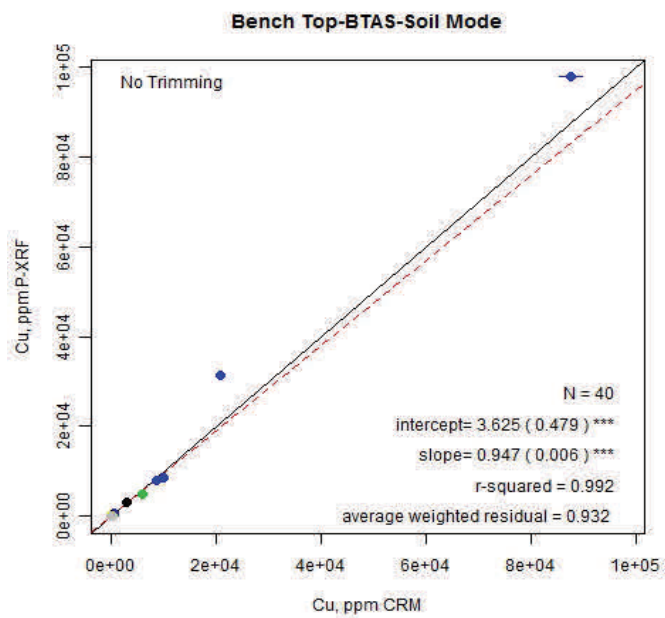


Handheld-HHBS-Soil Mode

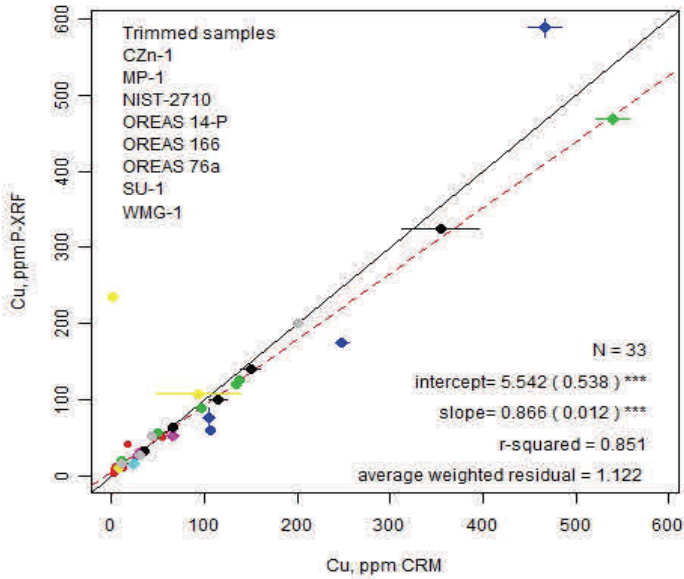


Handheld-HHCS-Soil Mode

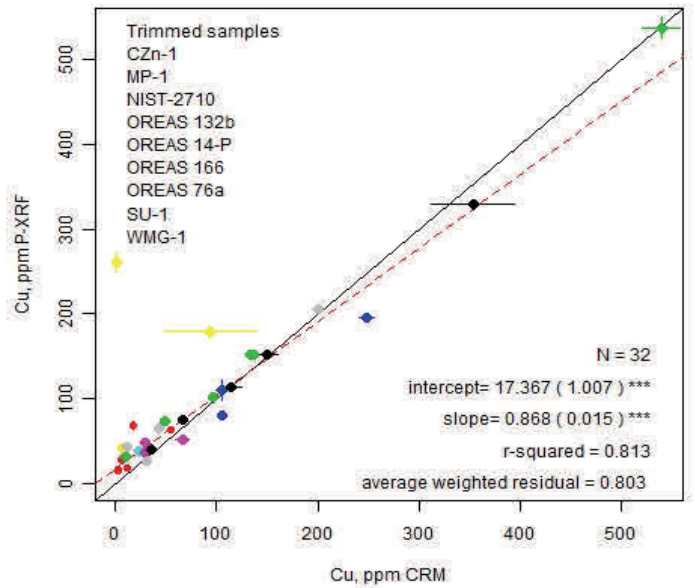




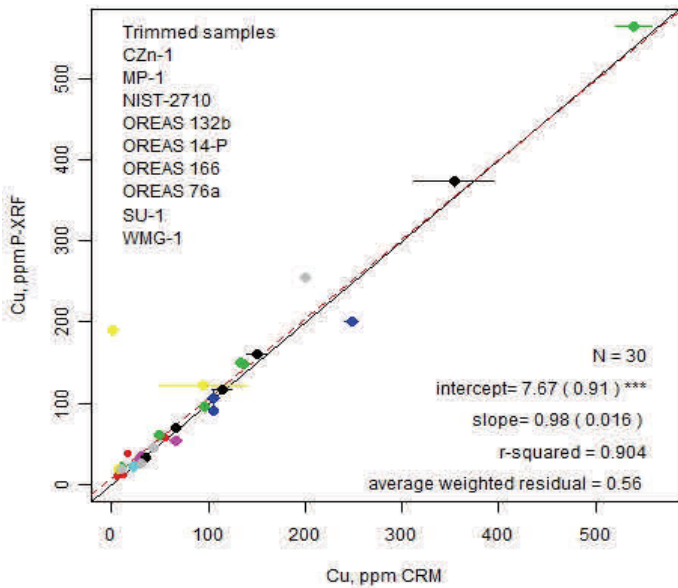
Bench Top-Machine A-Soil Mode



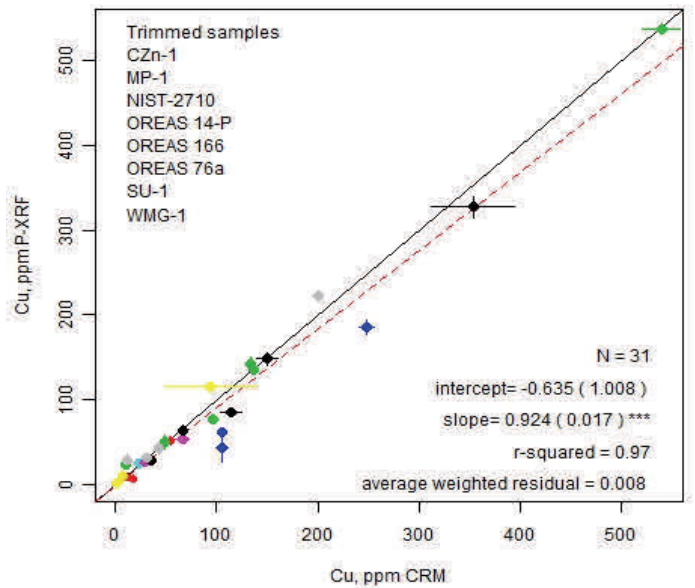
Bench Top-BTBS-Soil Mode



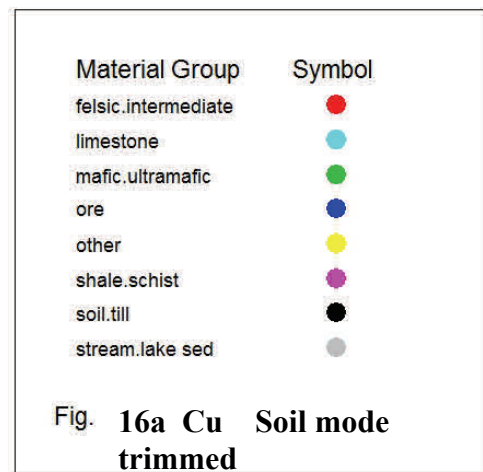
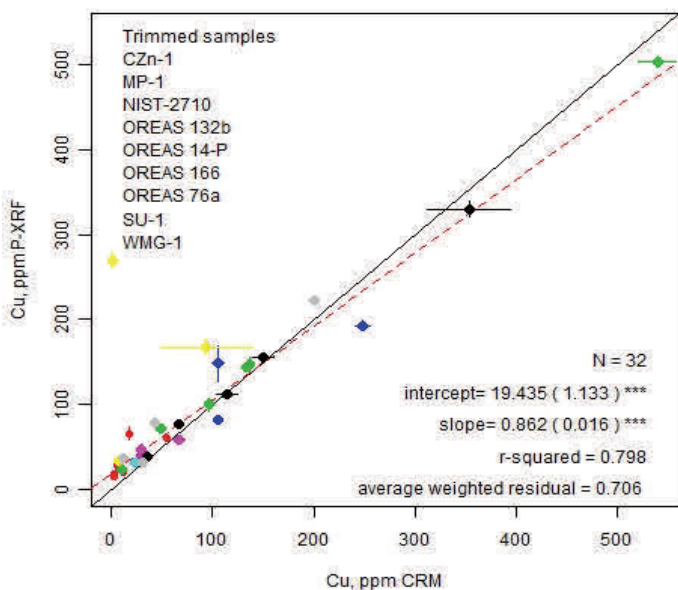
Handheld-HHAS-Soil Mode



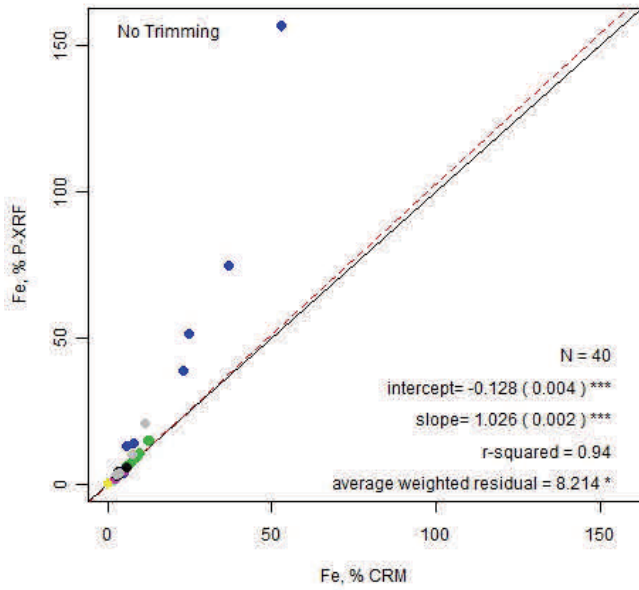
Handheld-HHBS-Soil Mode



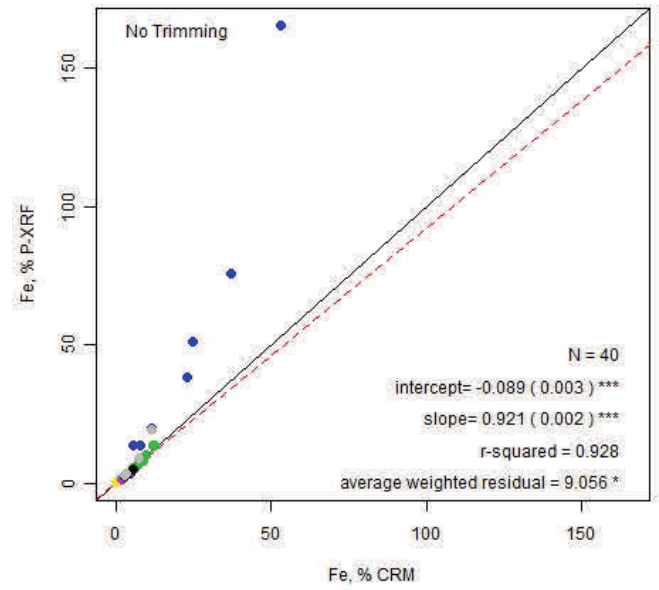
Handheld-HHCS-Soil Mode



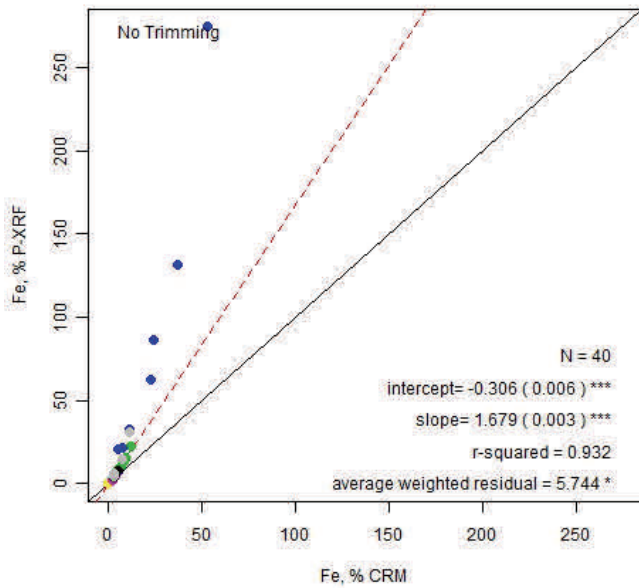
Bench Top-BTAS-Soil Mode



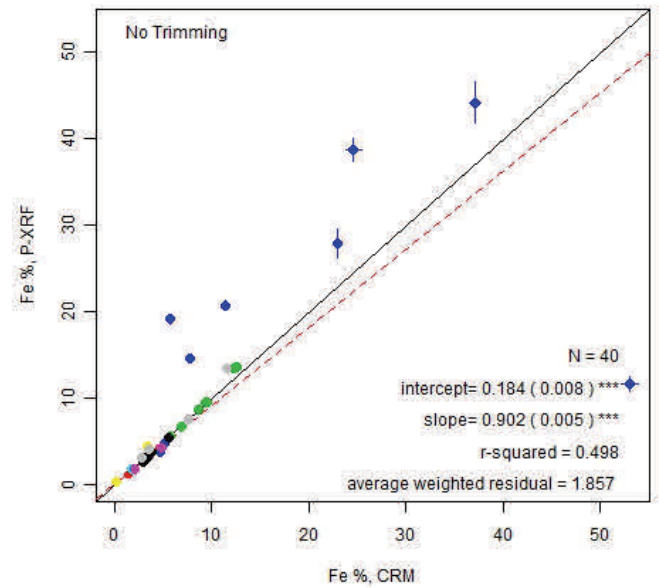
Bench Top-BTBS-Soil Mode



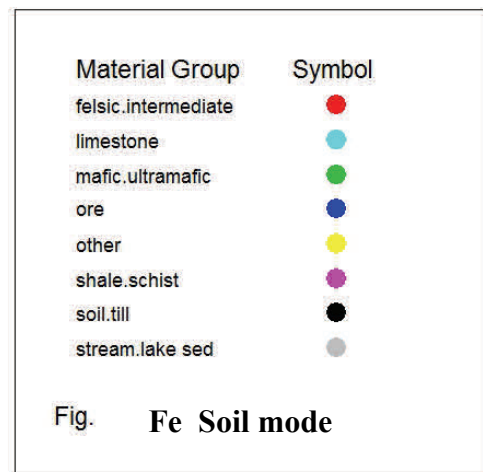
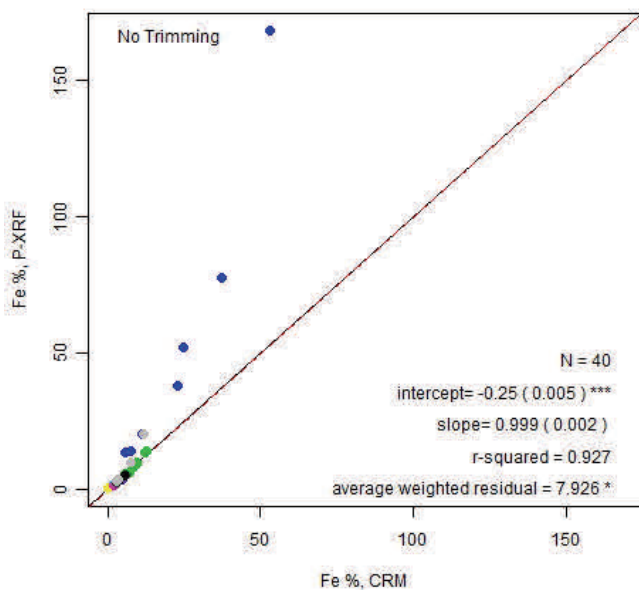
Handheld-HHAS-Soil Mode



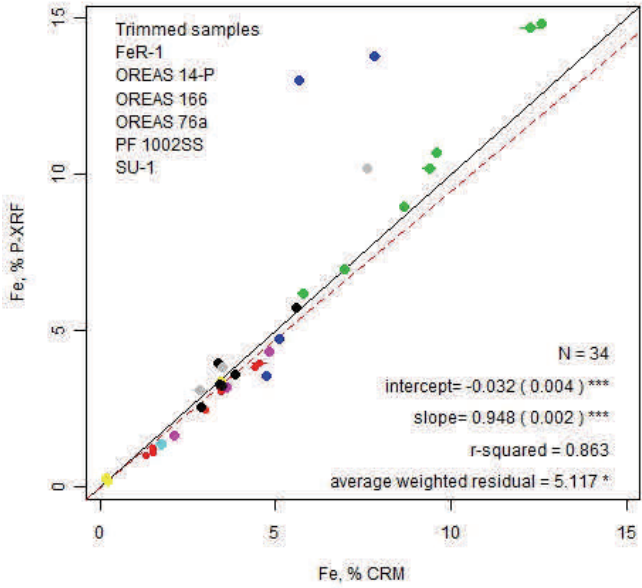
Handheld-HHBS-Soil Mode



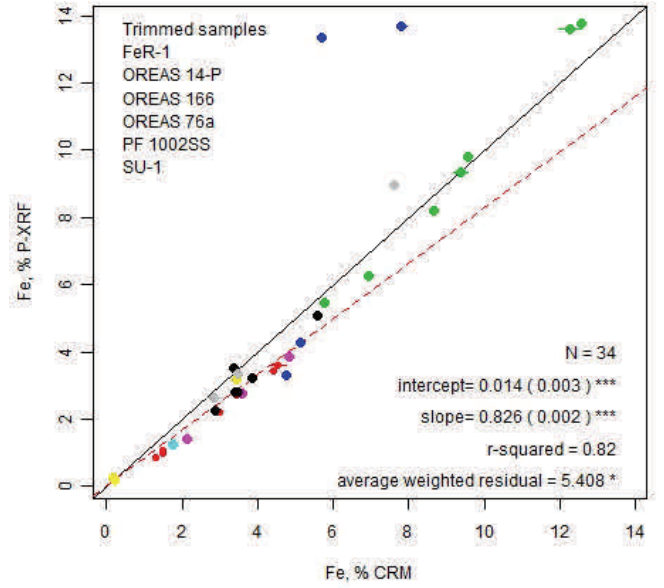
Handheld-HHCS-Soil Mode



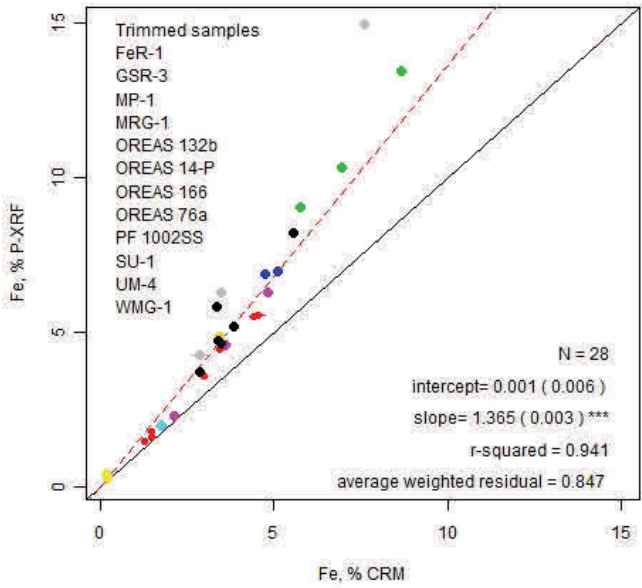
Bench Top-Machine A-Soil Mode



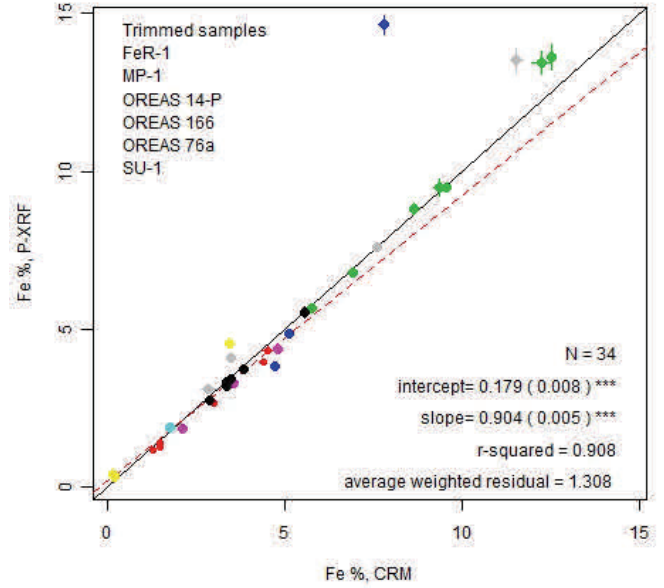
Bench Top-BTBS-Soil Mode



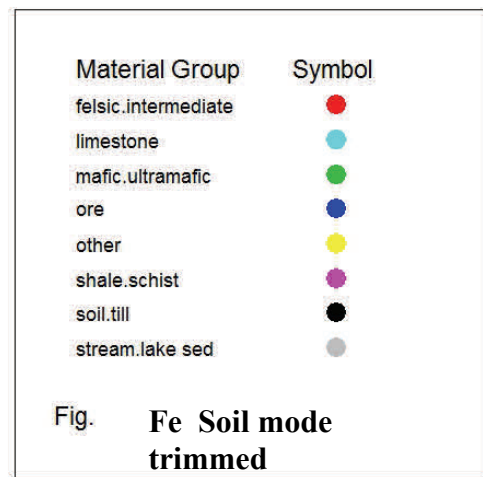
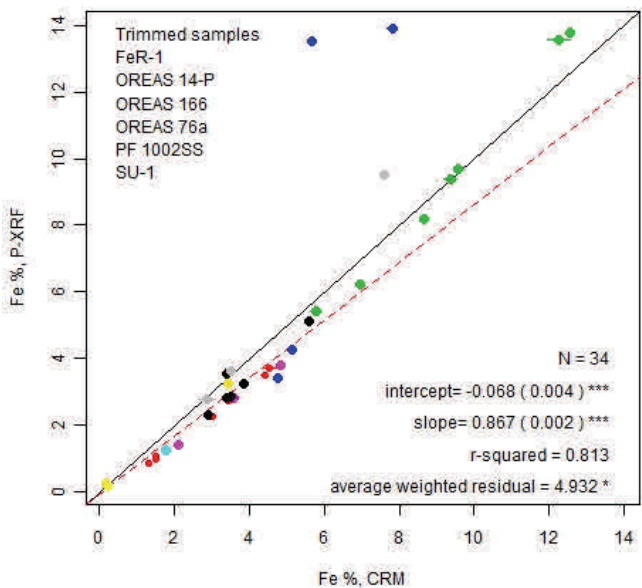
Handheld-HHAS-Soil Mode



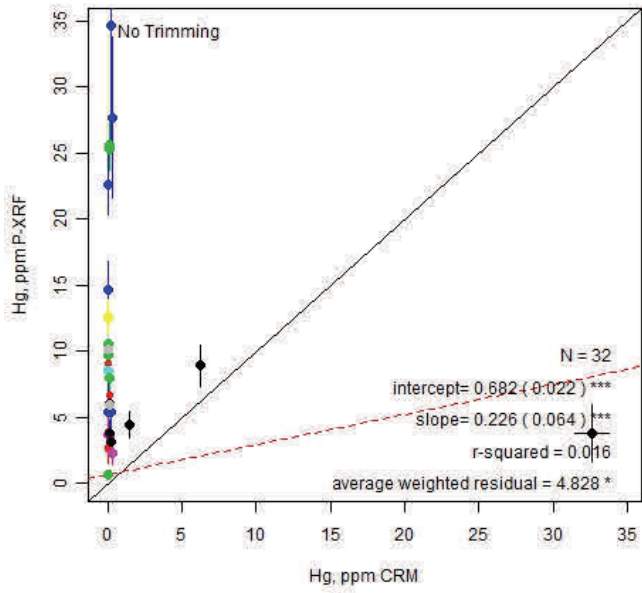
Handheld-HHBS-Soil Mode



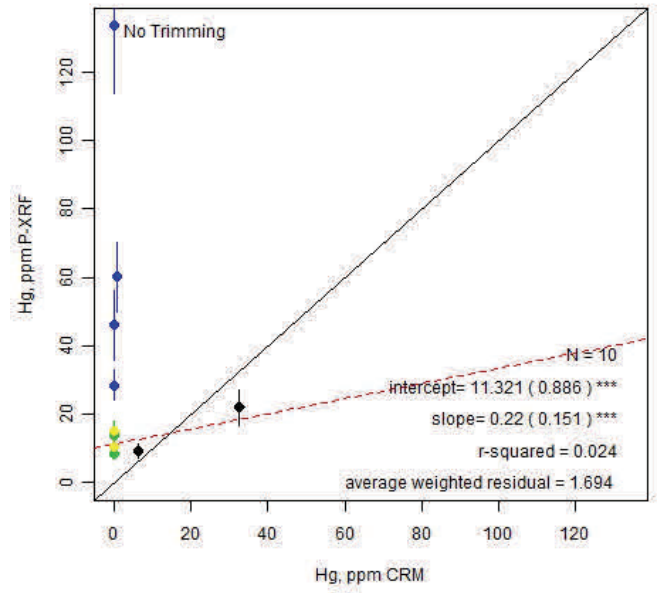
Handheld-HHCS-Soil Mode



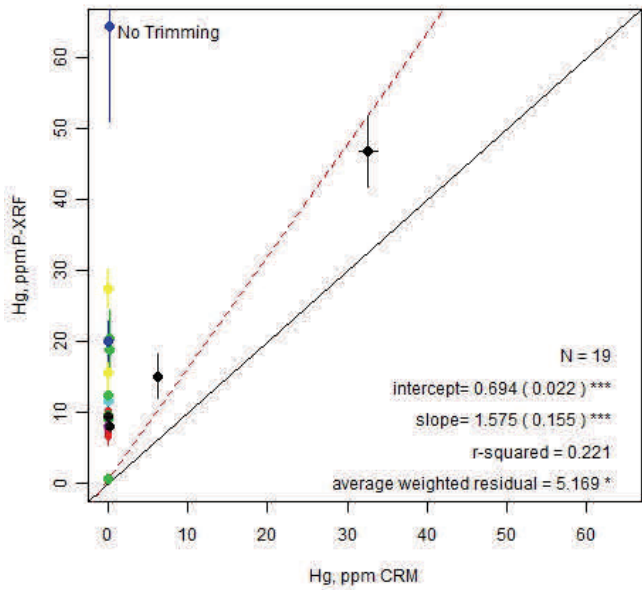
Bench Top-BTAS-Soil Mode



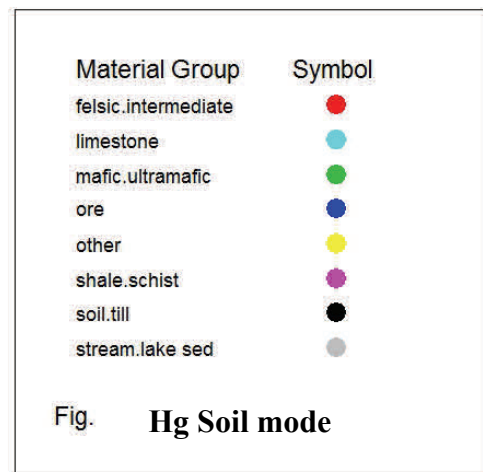
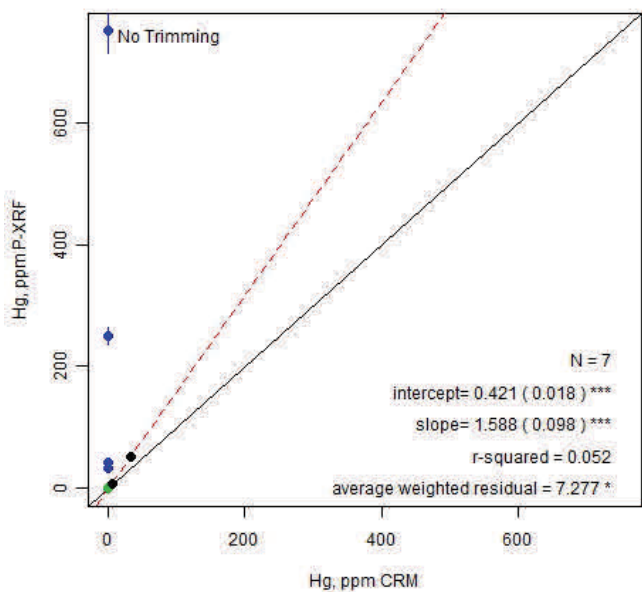
Bench Top-BTBS-Soil Mode



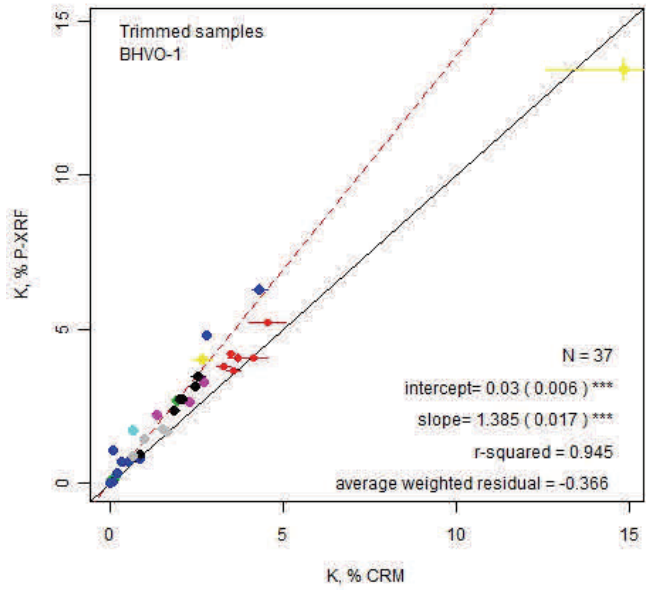
Handheld-HHAS-Soil Mode



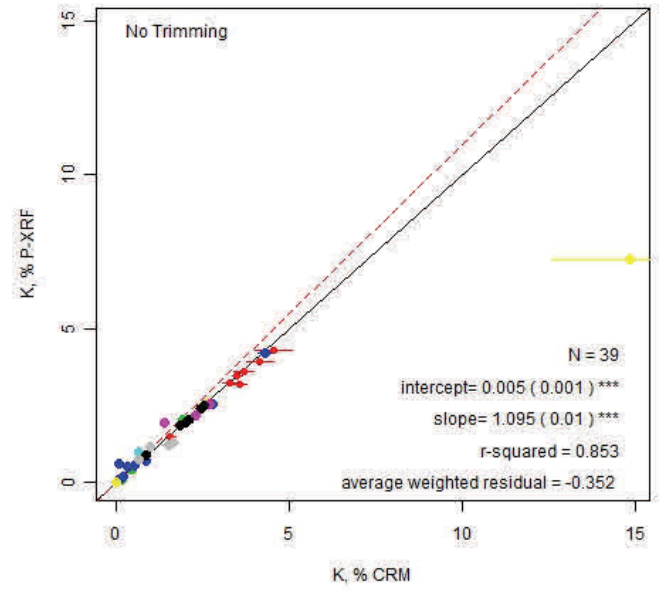
Handheld-HHCS-Soil Mode



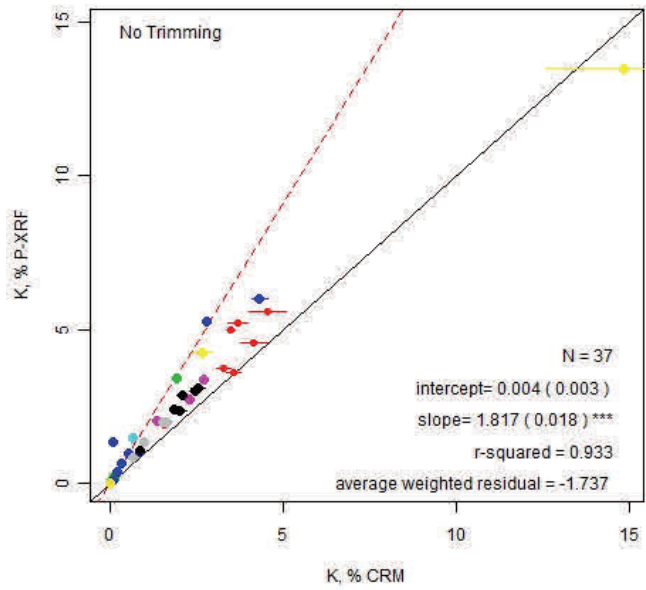
Bench Top-BTAS-Soil Mode



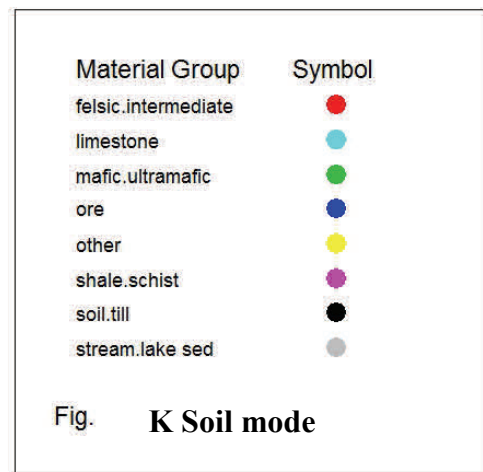
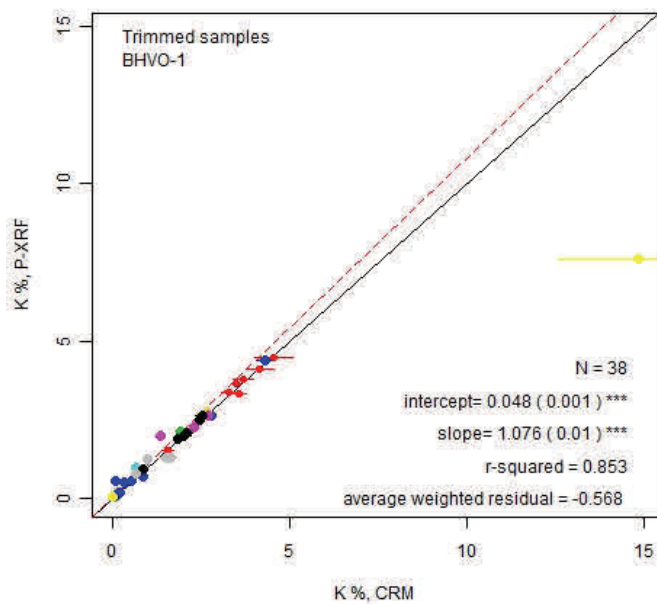
Bench Top-BTBS-Soil Mode



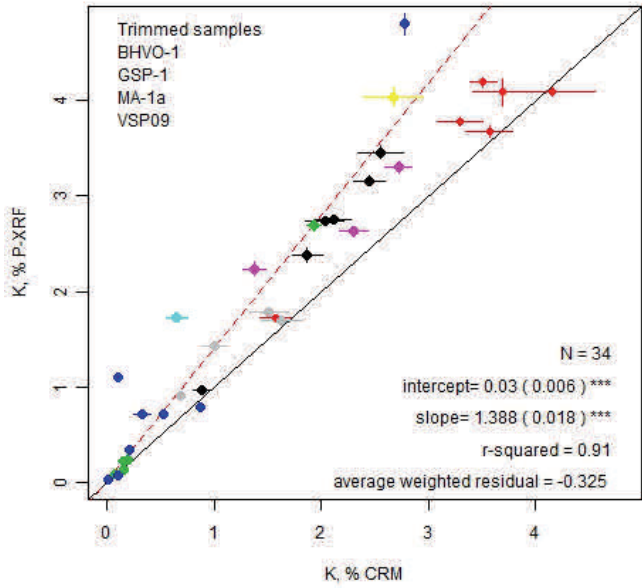
Handheld-HHAS-Soil Mode



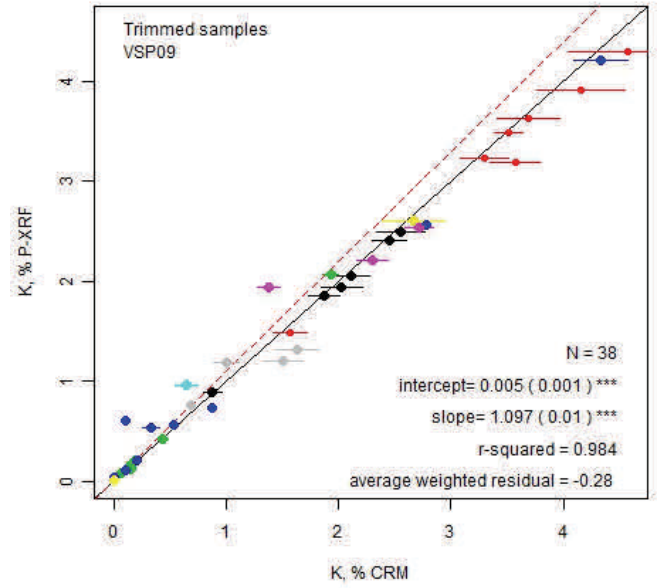
Handheld-HHCS-Soil Mode



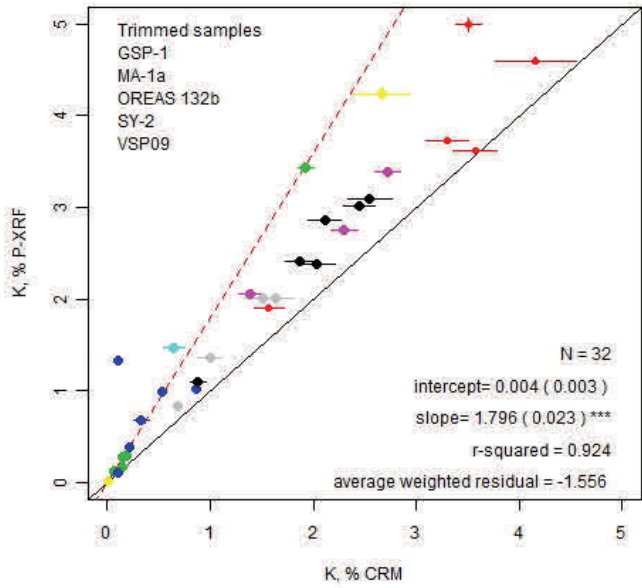
Bench Top-Machine A-Soil Mode



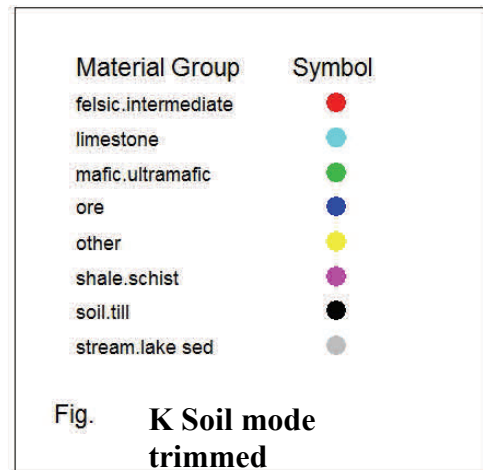
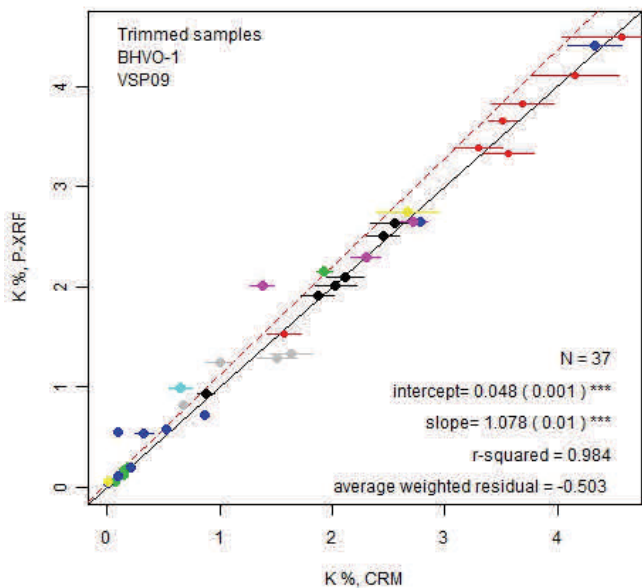
Bench Top-BTBS-Soil Mode



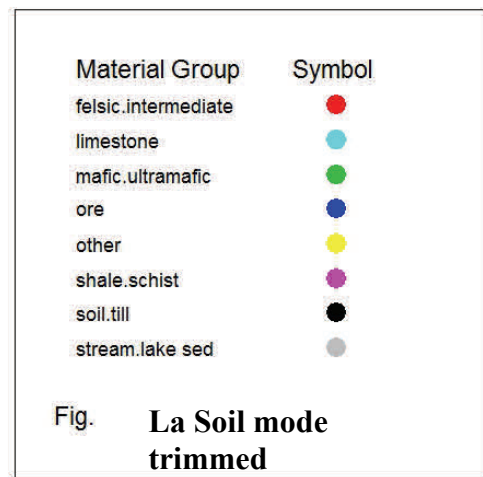
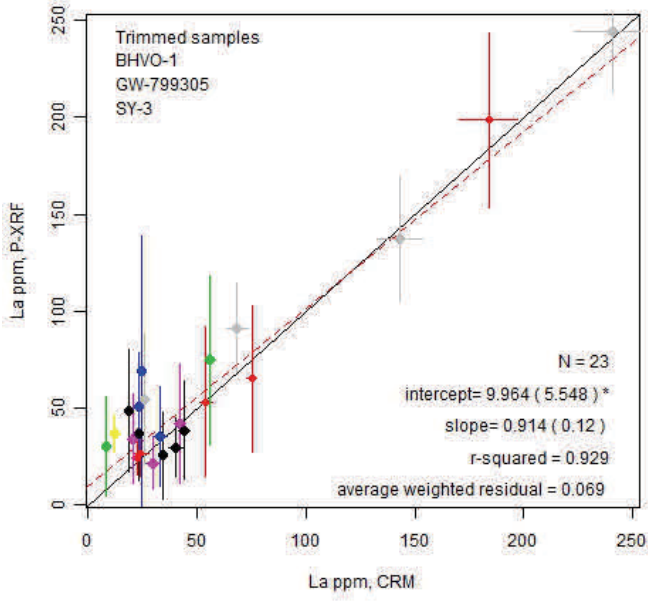
Handheld-HHAS-Soil Mode



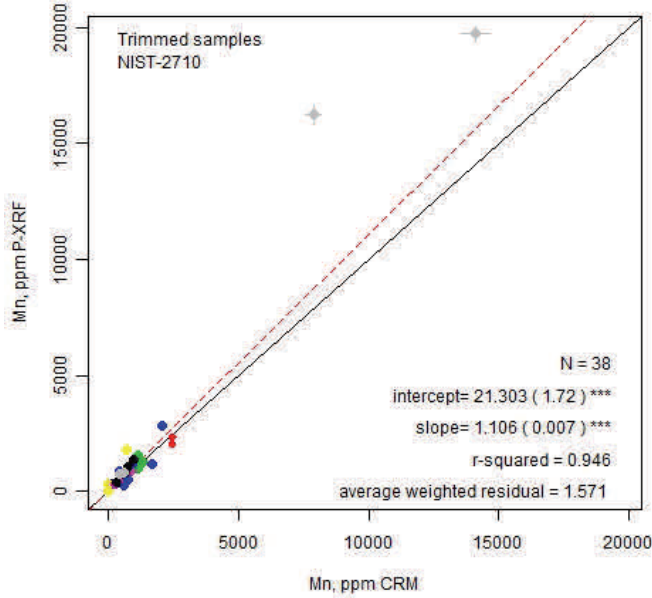
Handheld-HHCS-Soil Mode



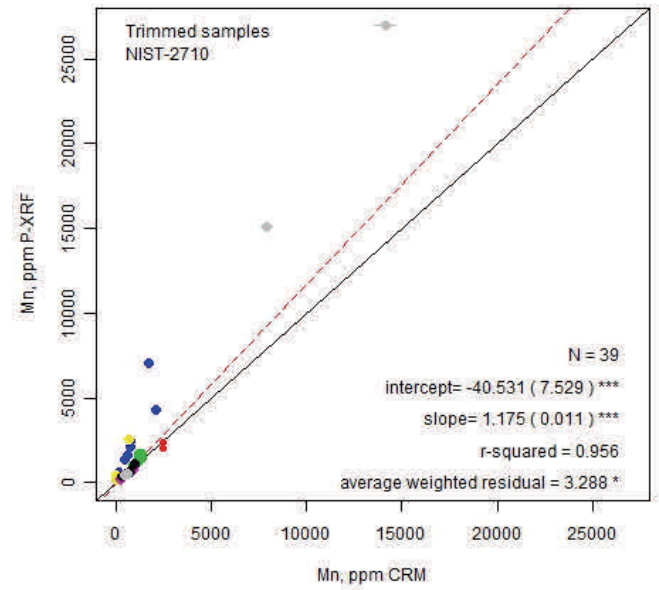
Bench Top-Machine A-Soil Mode



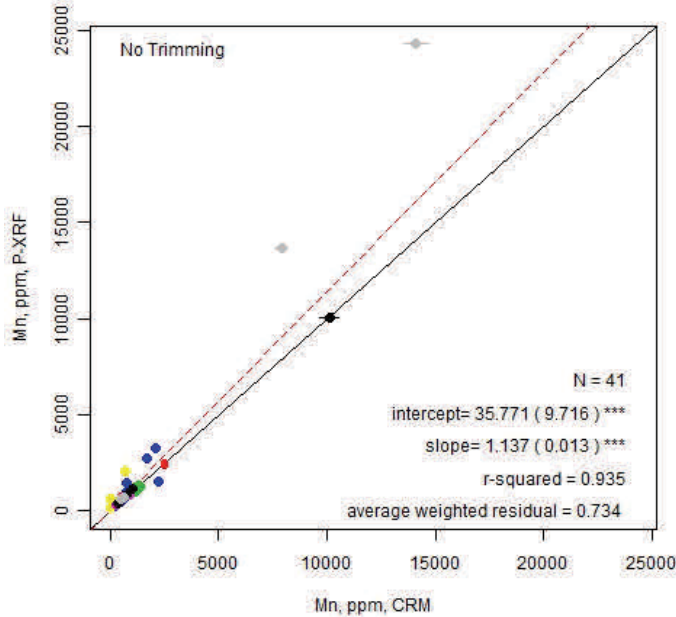
Bench Top-BTAS-Soil Mode



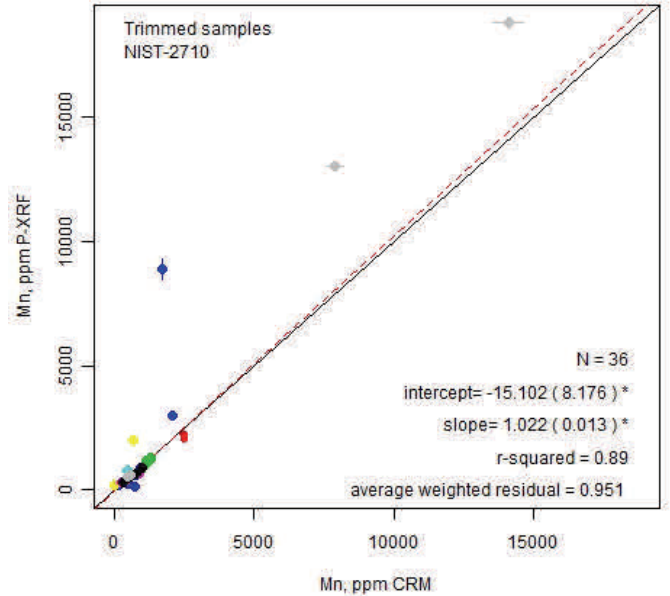
Bench Top-BTBS-Soil Mode



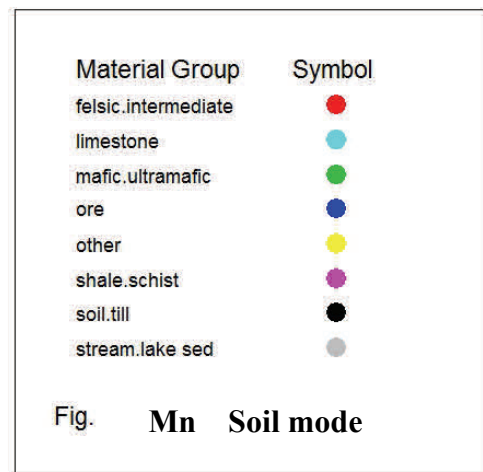
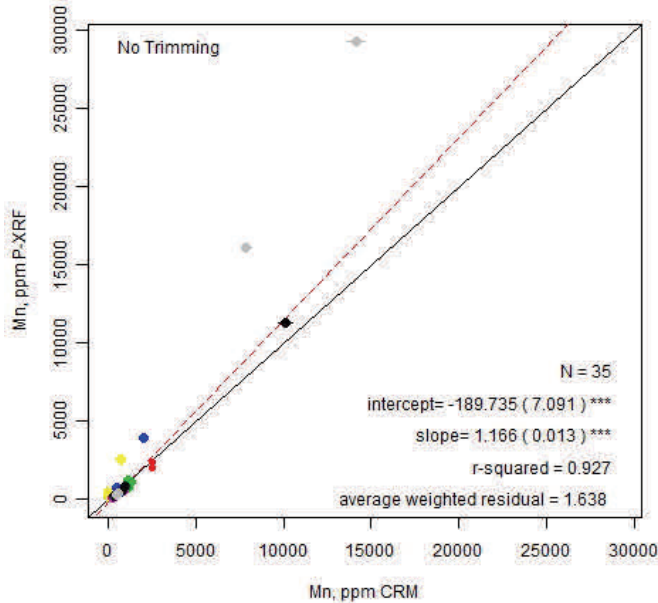
Handheld-HHAM-Mining Mode



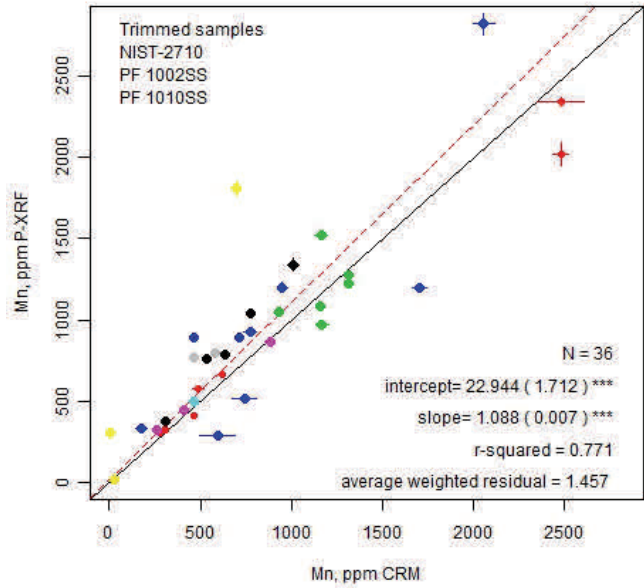
Handheld-HHBS-Soil Mode



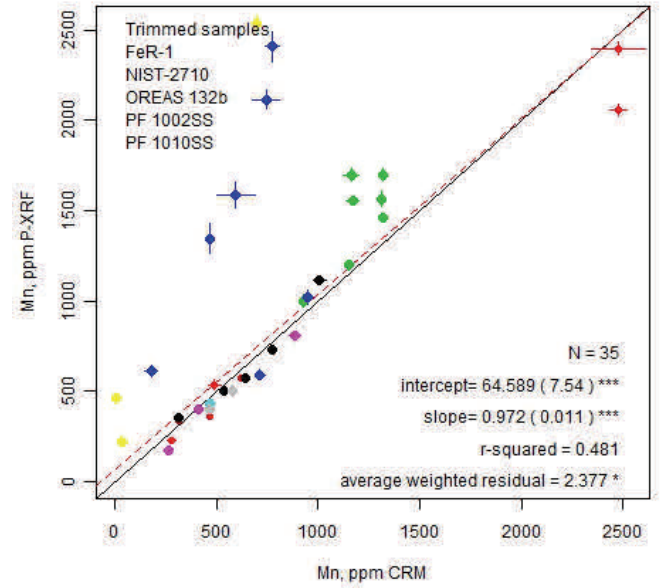
Handheld-HHCS-Soil Mode



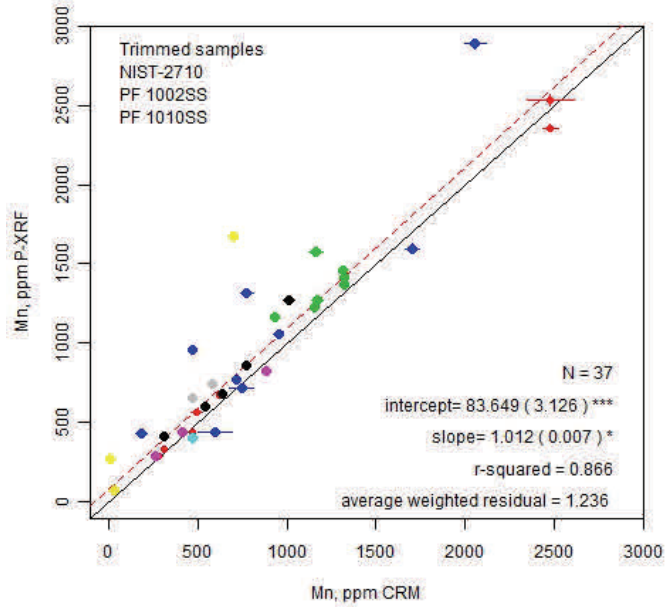
Bench Top-Machine A-Soil Mode



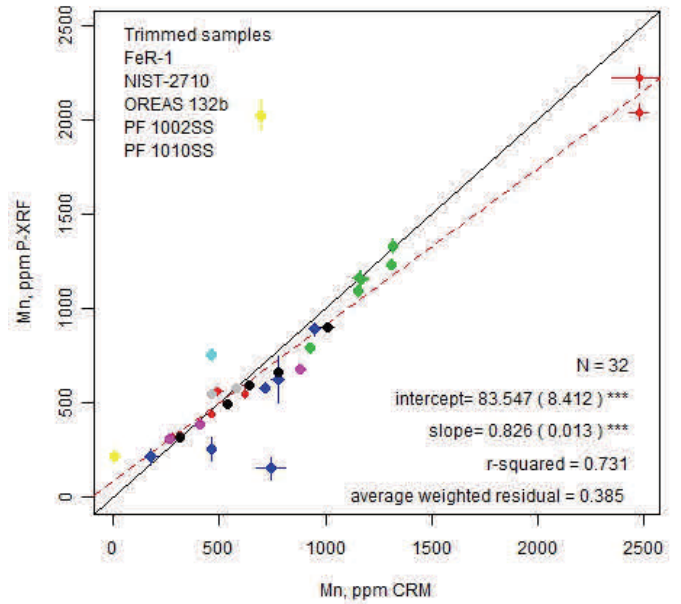
Bench Top-BTBS-Soil Mode



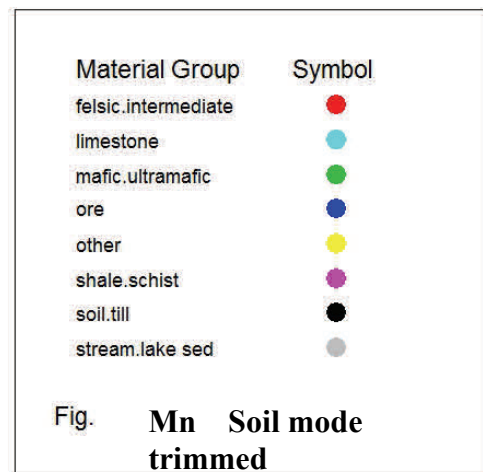
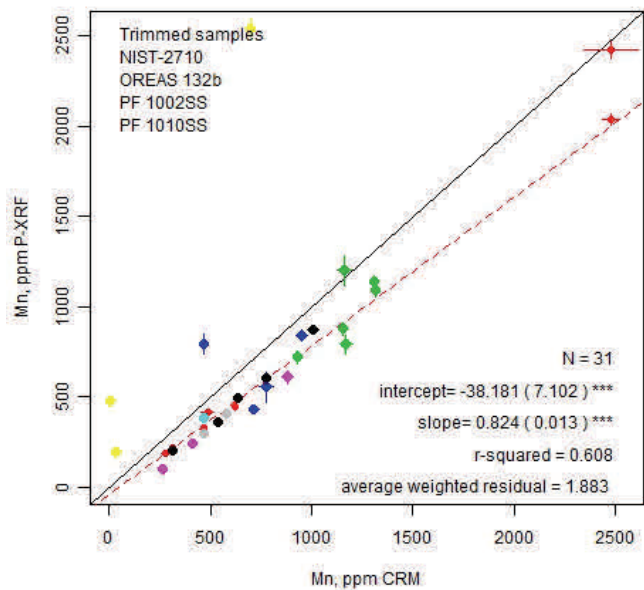
Handheld-HHAS-Soil Mode



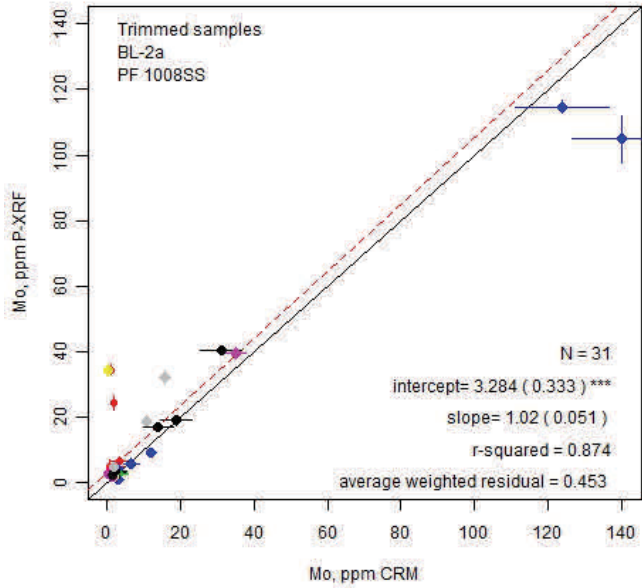
Handheld-HHBS-Soil Mode



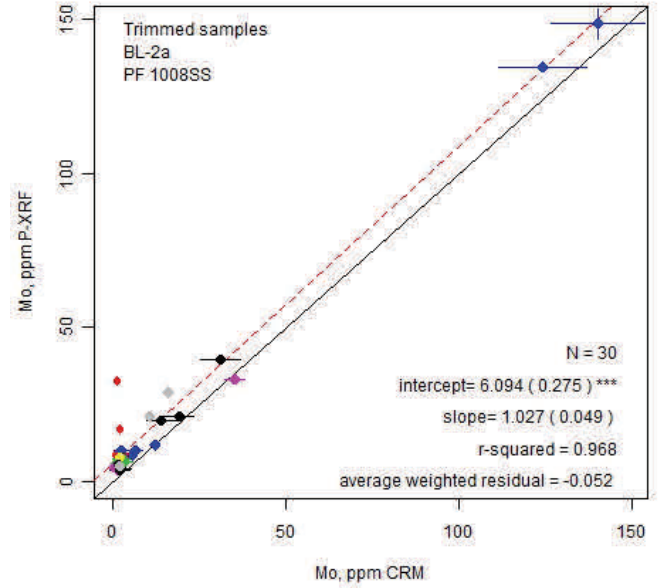
Handheld-HHCS-Soil Mode



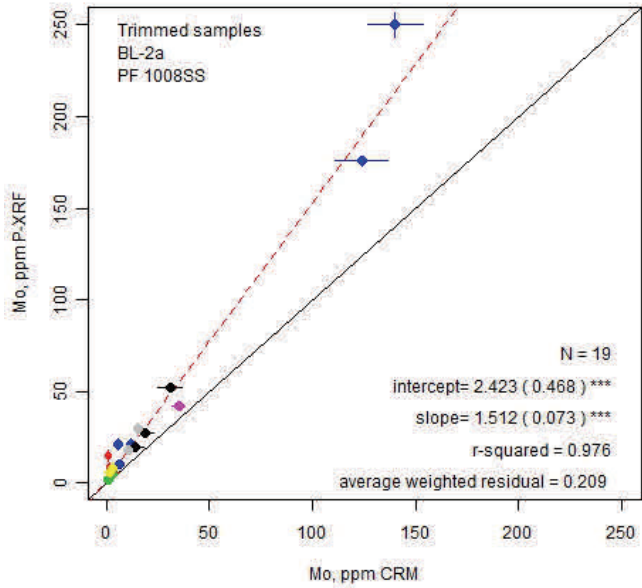
Bench Top-BTAS-Soil Mode



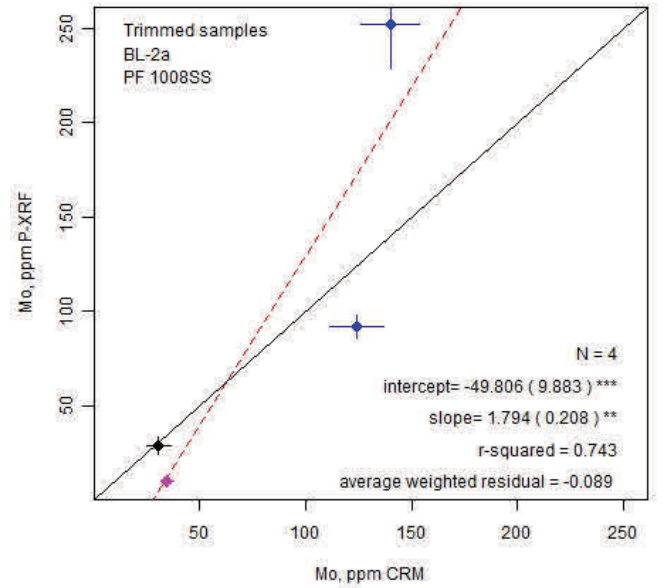
Bench Top-BTBS-Soil Mode



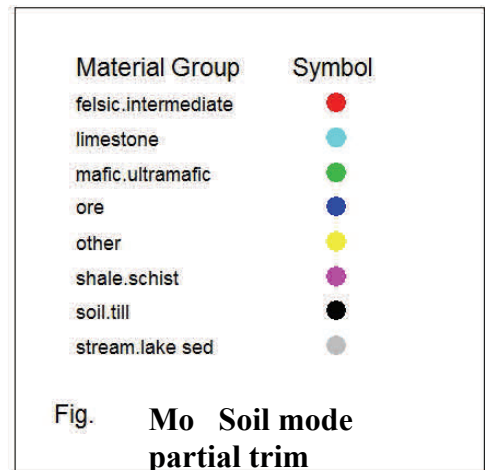
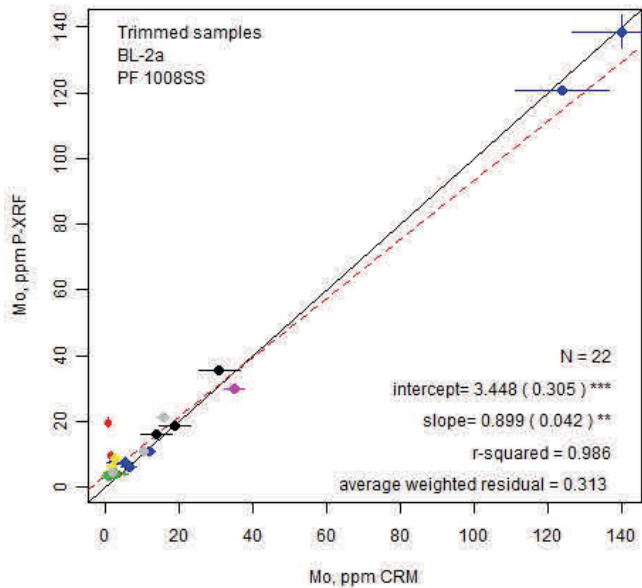
Handheld-HHAS-Soil Mode



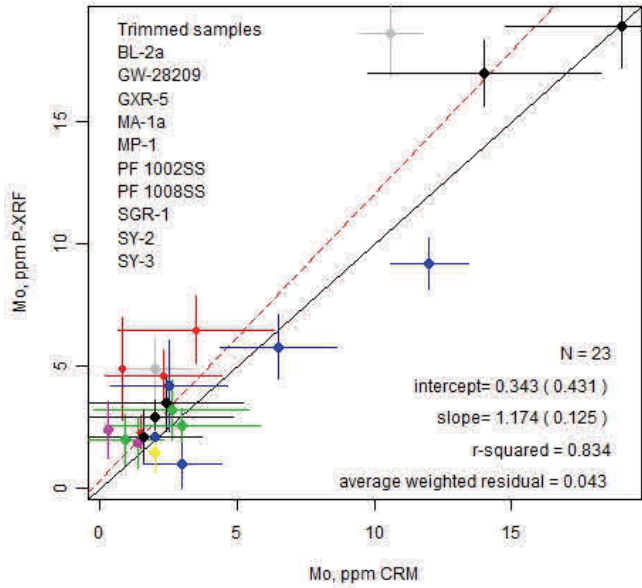
Handheld-HHBS-Soil Mode



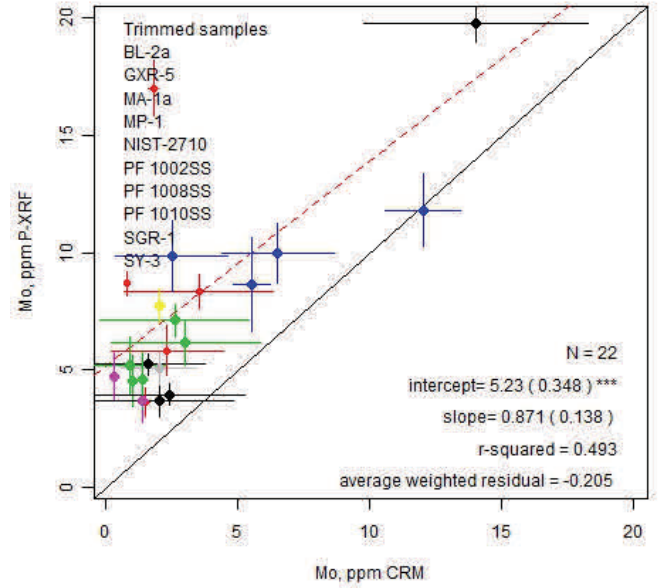
Handheld-HHCS-Soil Mode



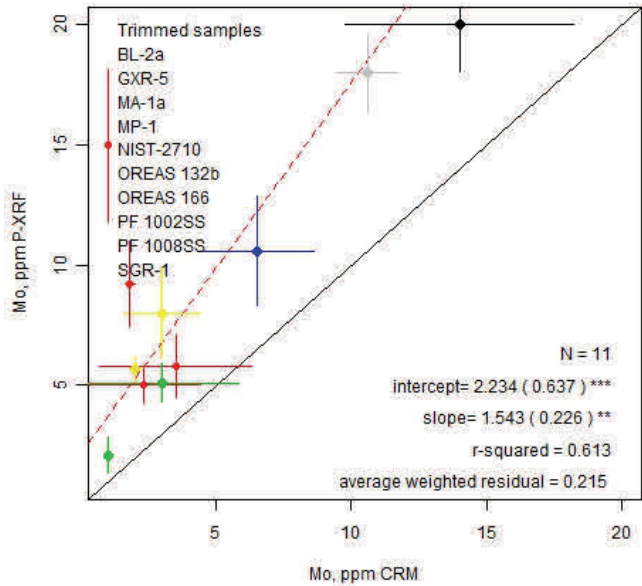
Bench Top-Machine A-Soil Mode



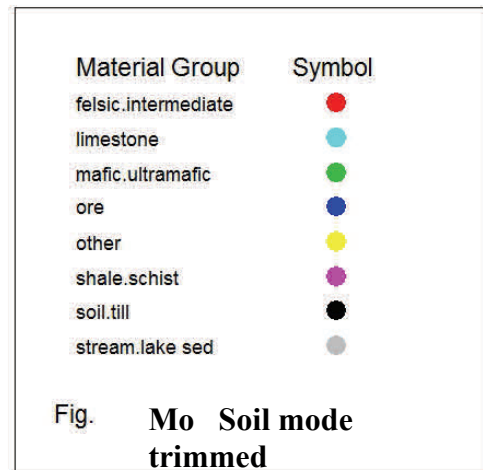
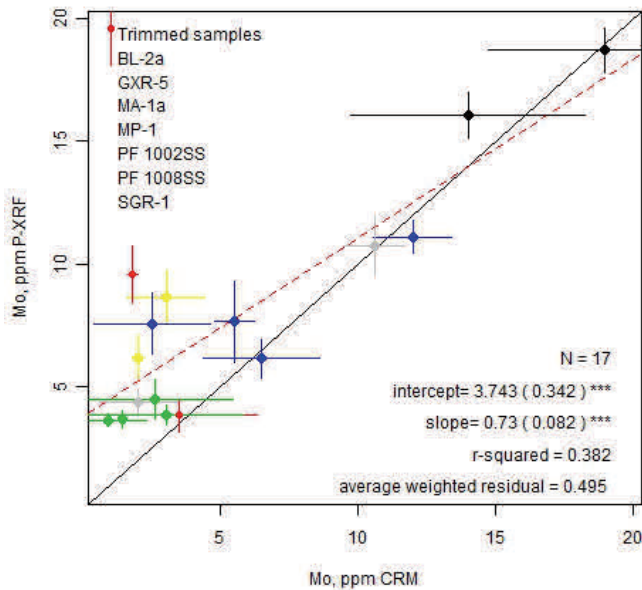
Bench Top-BTBS-Soil Mode



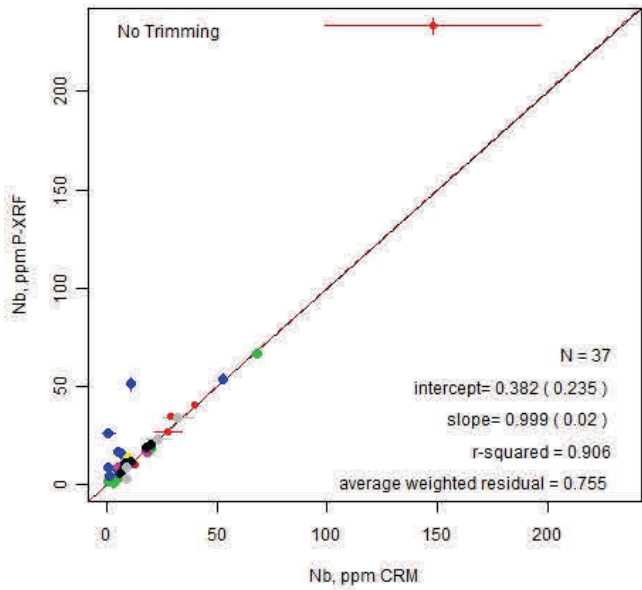
Handheld-HHAS-Soil Mode



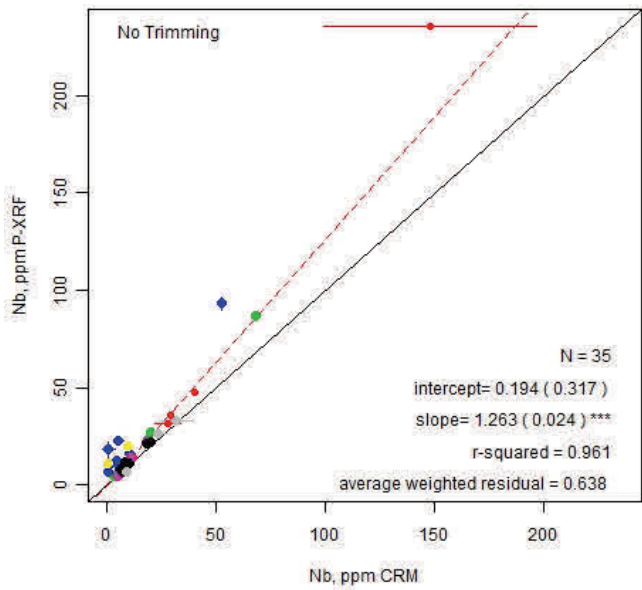
Handheld-HHCS-Soil Mode



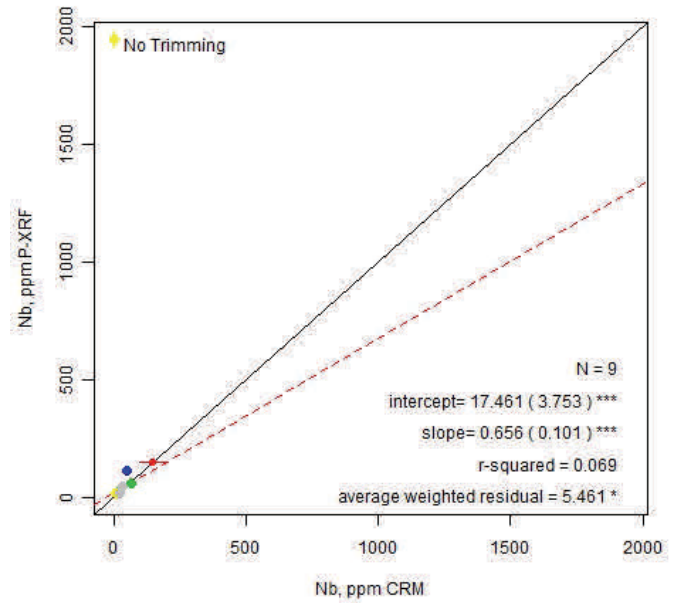
Bench Top-BTAS-Soil Mode



Handheld-HHAS-Soil Mode



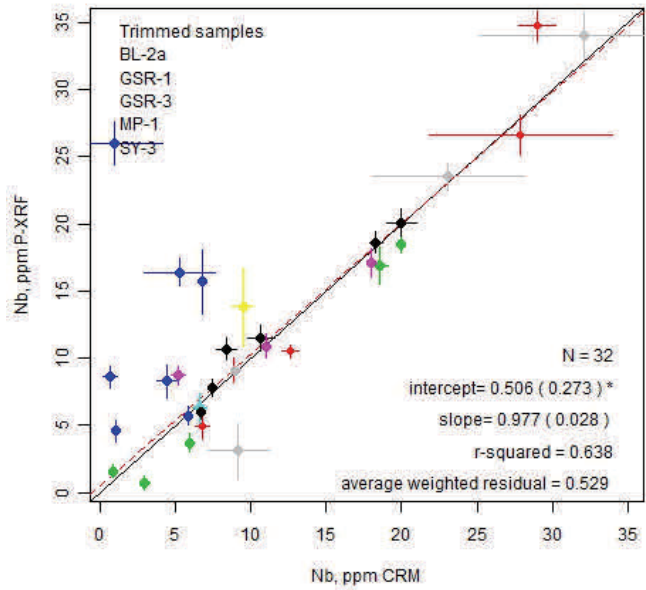
Handheld-HHBS-Soil Mode



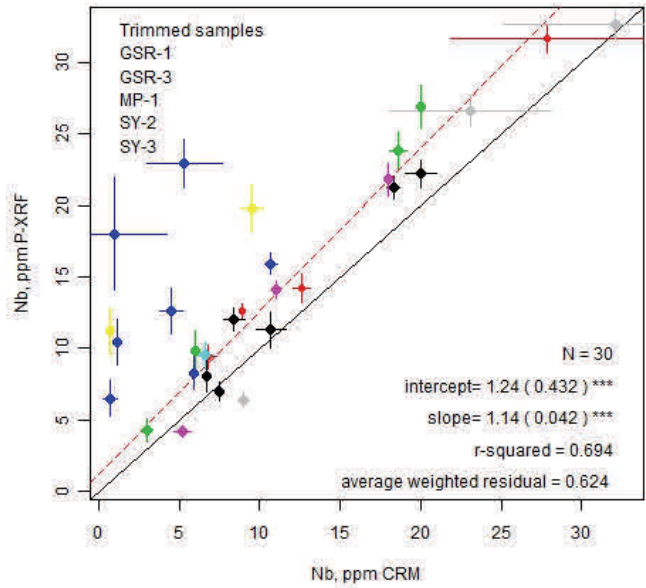
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Nb Soil mode

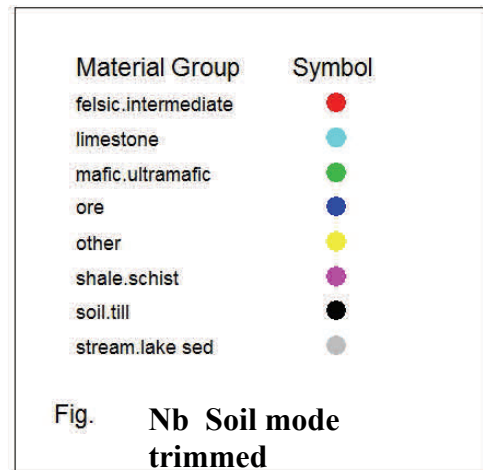
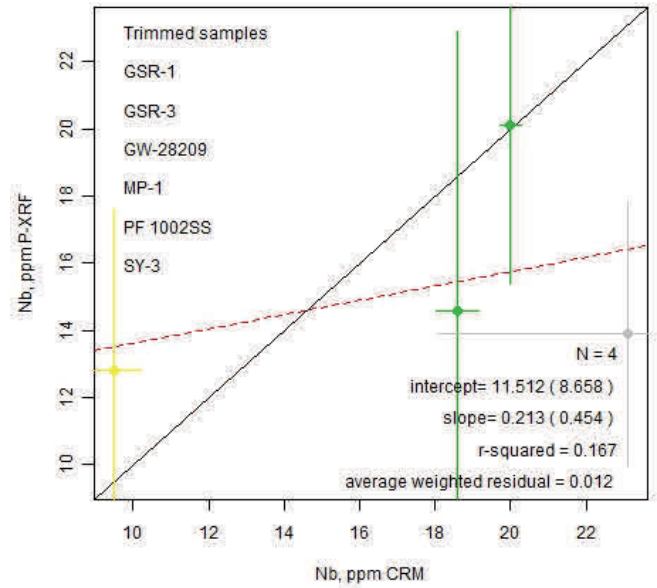
Bench Top-Machine A-Soil Mode



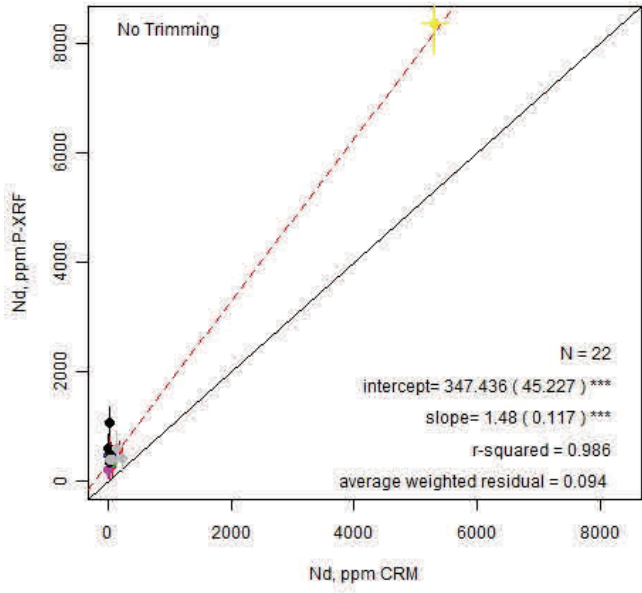
Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode

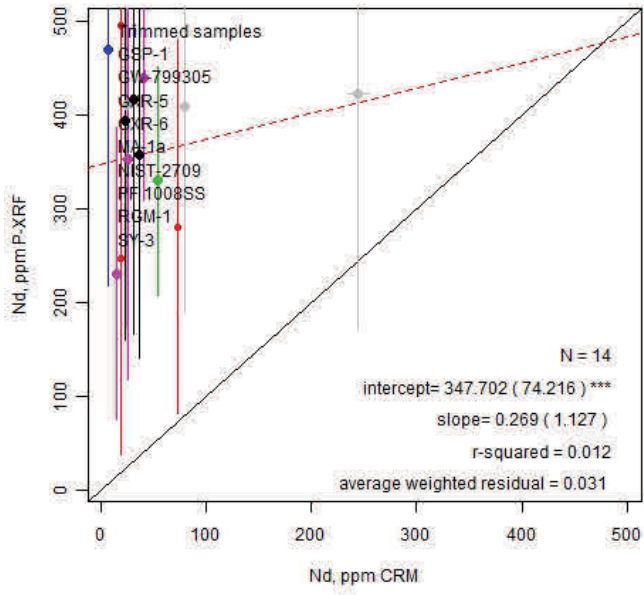


Bench Top-BTAS-Soil Mode



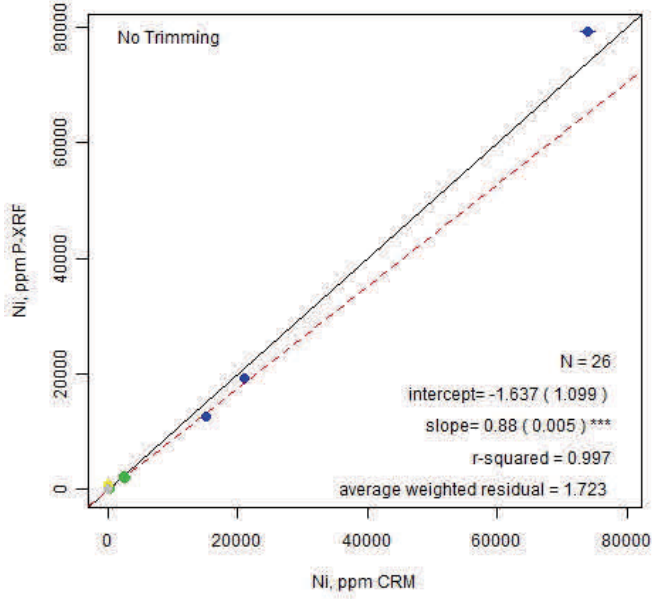
Nd Soil mode

Bench Top-Machine A-Soil Mode

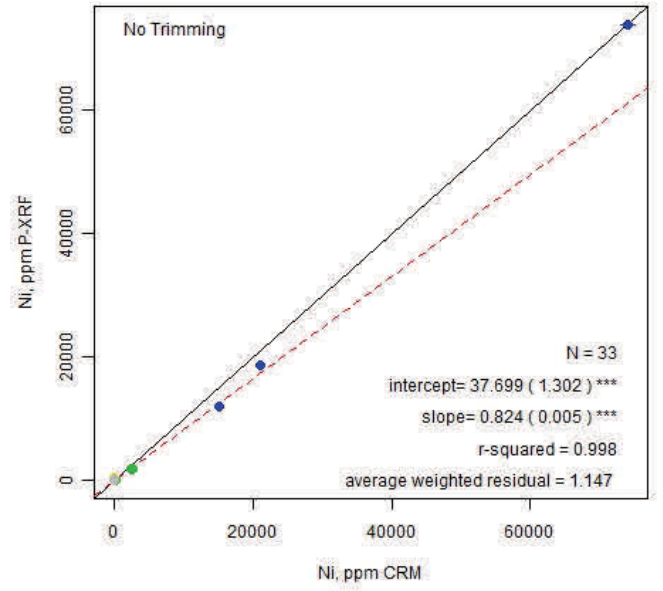


**Nd Soil mode
trimmed**

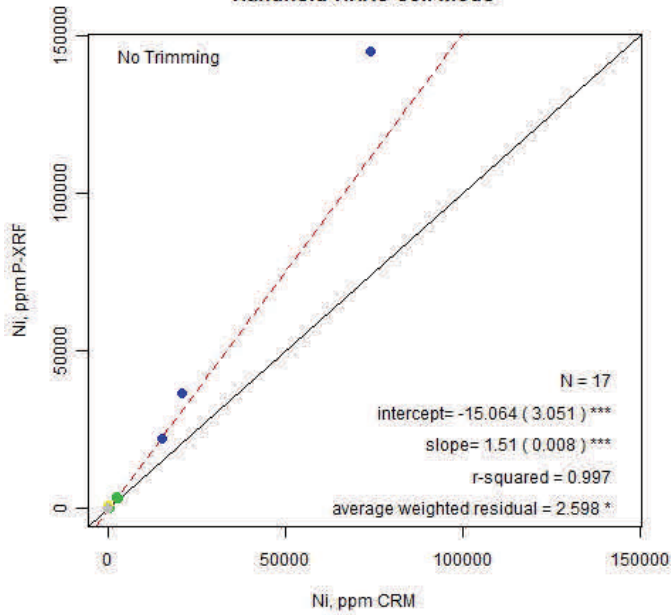
Bench Top-BTAS-Soil Mode



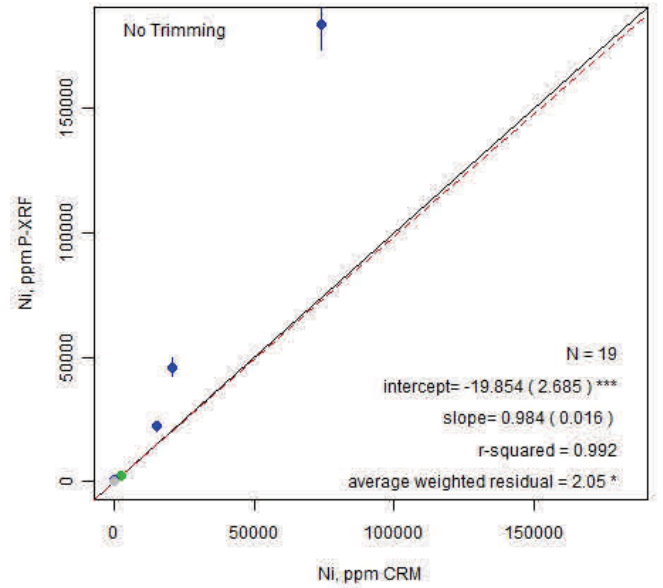
Bench Top-BTBS-Soil Mode



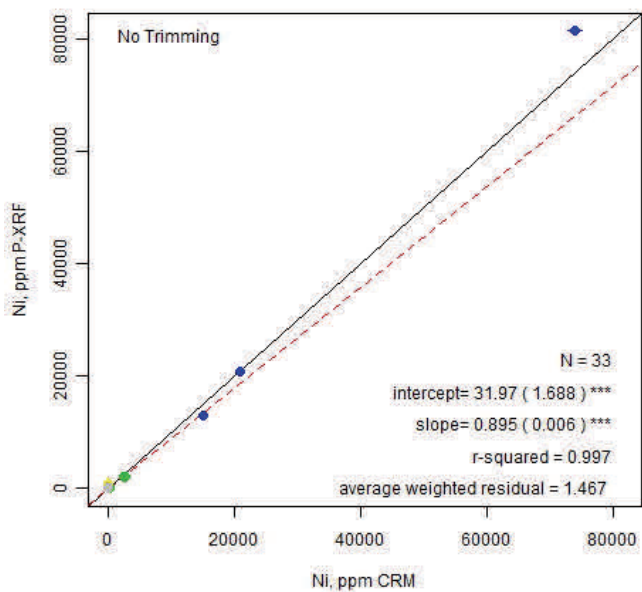
Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode



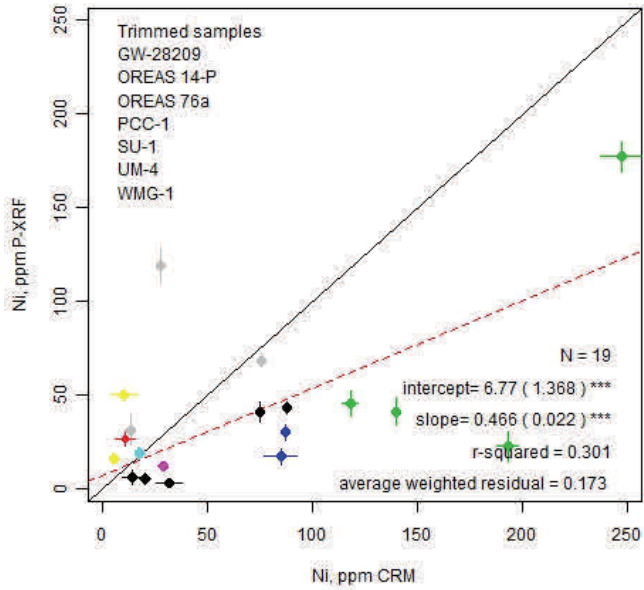
Handheld-HHCS-Soil Mode



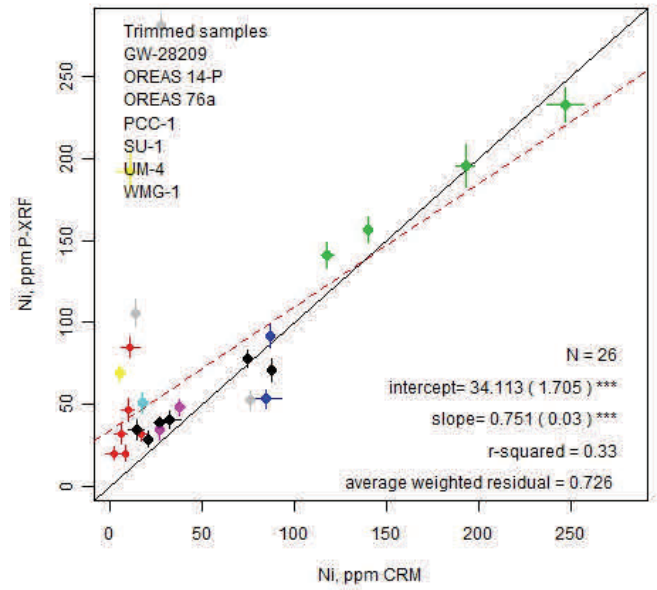
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. 19a Ni Soil mode

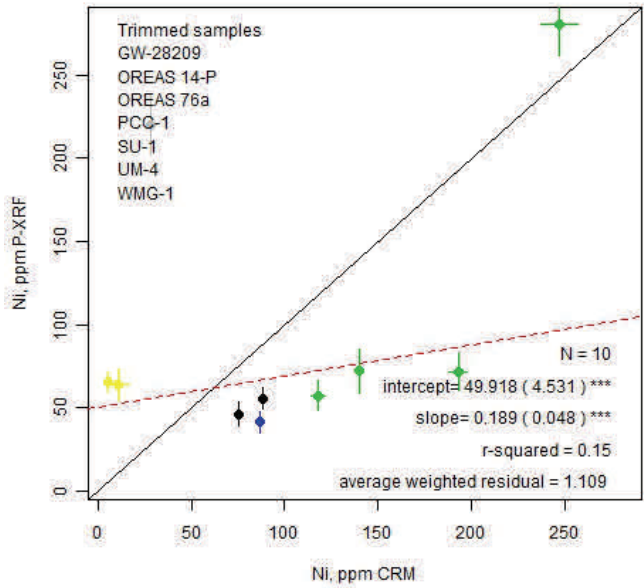
Bench Top-BTAS-Soil Mode



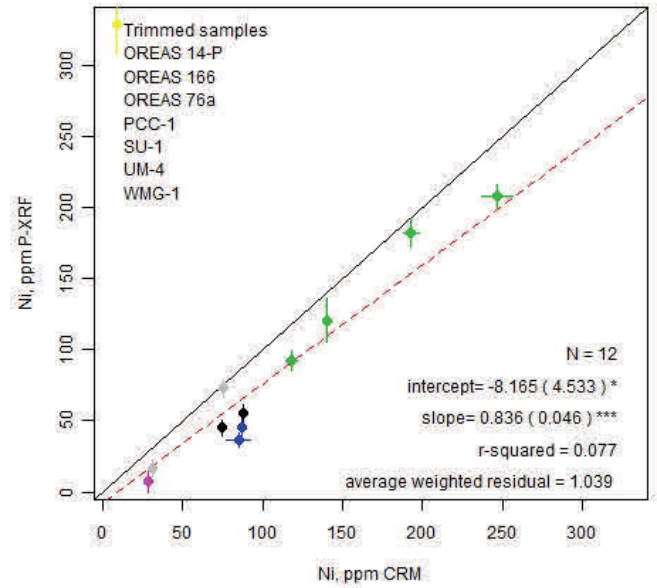
Bench Top-BTBS-Soil Mode



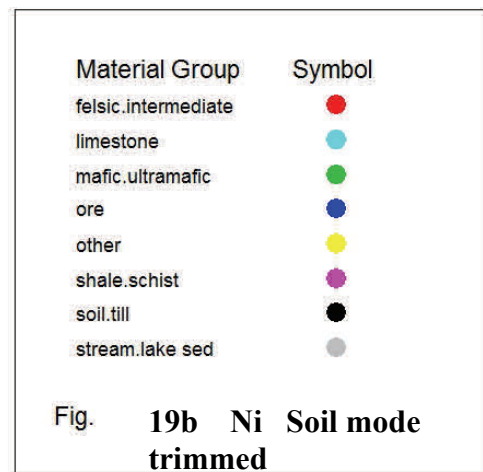
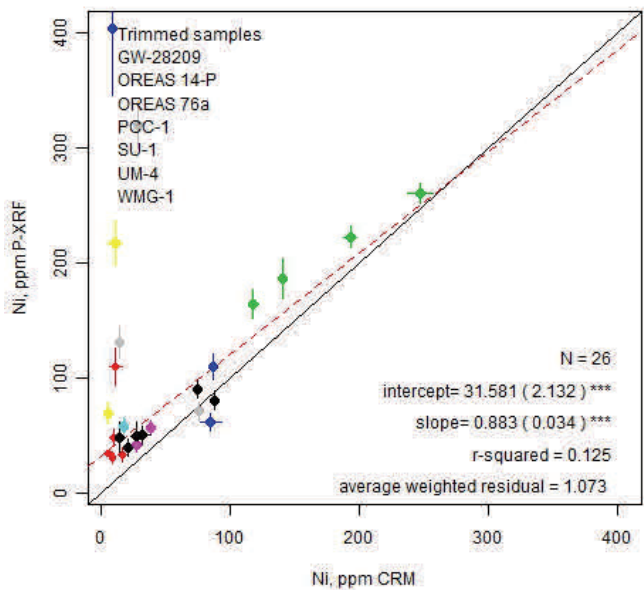
Handheld-HHAS-Soil Mode



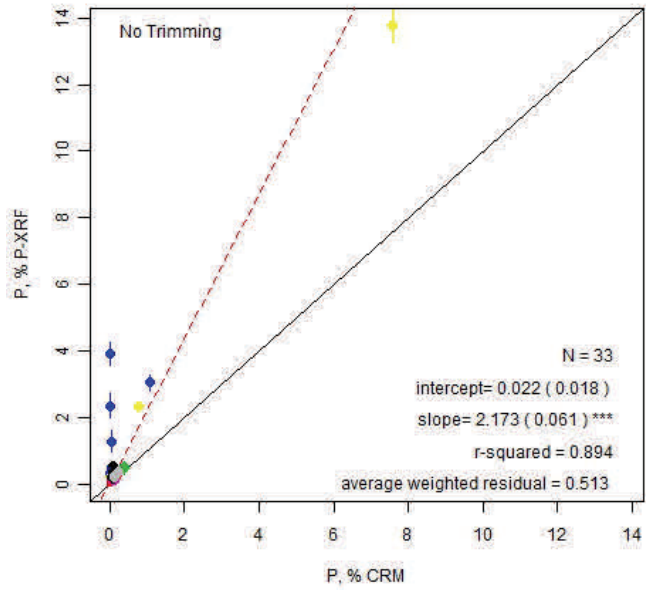
Handheld-HHBS-Soil Mode



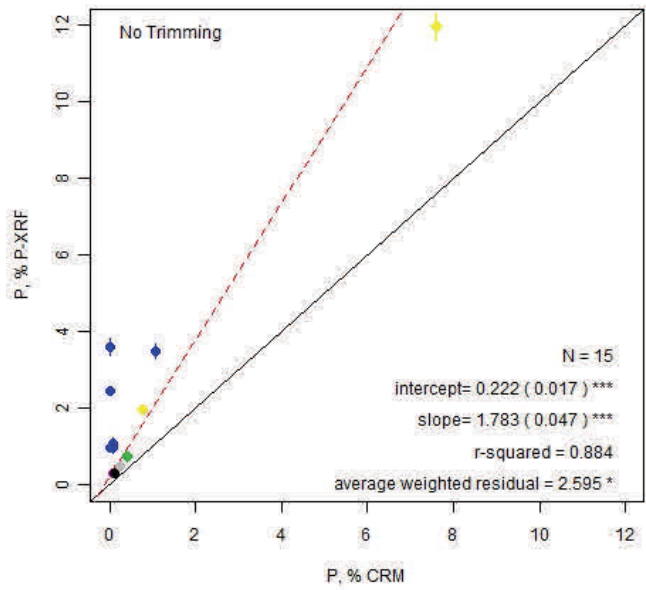
Handheld-HHCS-Soil Mode



Bench Top-BTAS-Soil Mode



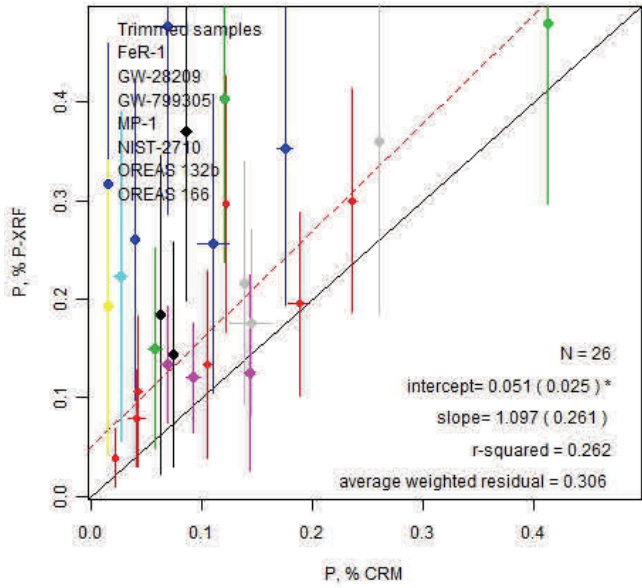
Handheld-HHAS-Soil Mode



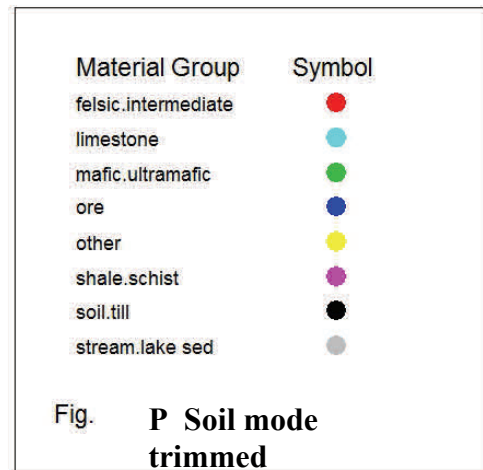
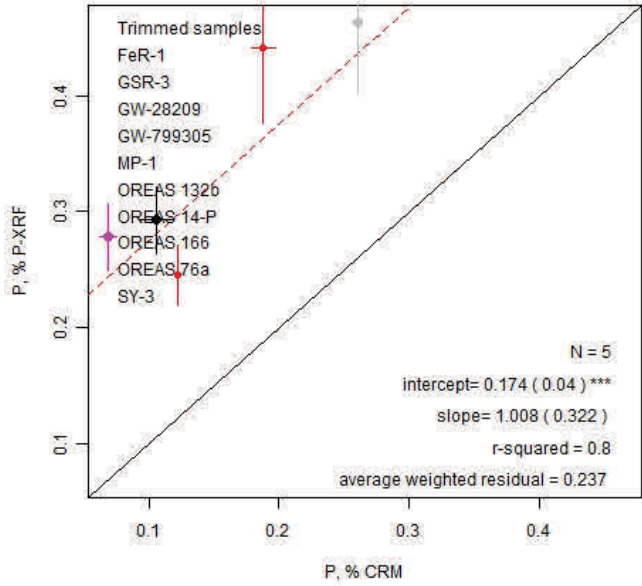
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. P Soil mode

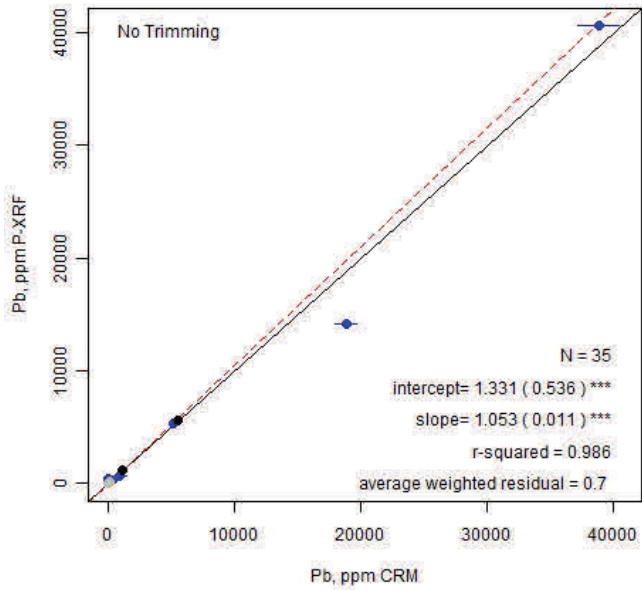
Bench Top-Machine A-Soil Mode



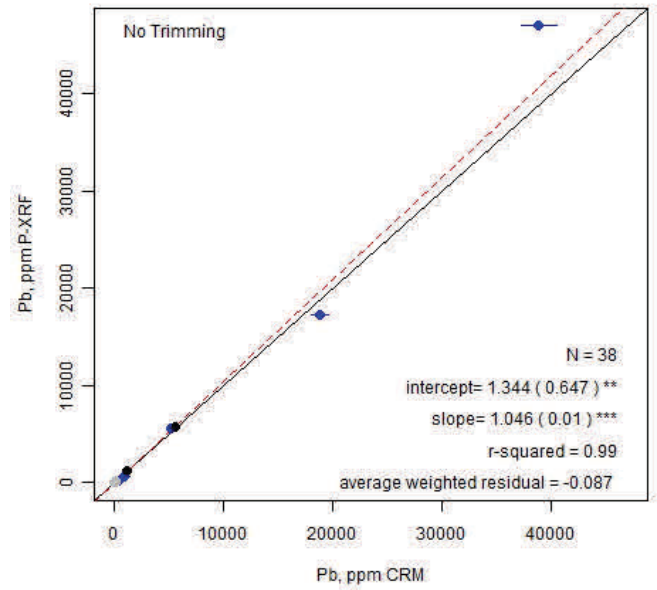
Handheld-HHAS-Soil Mode



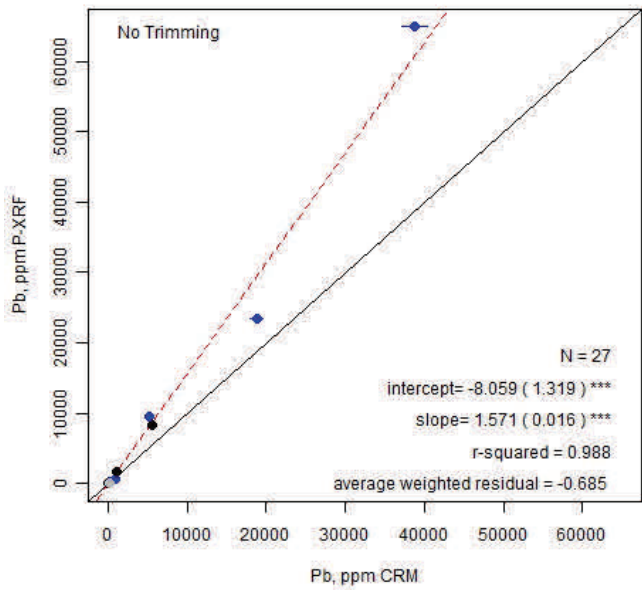
Bench Top-BTAS-Soil Mode



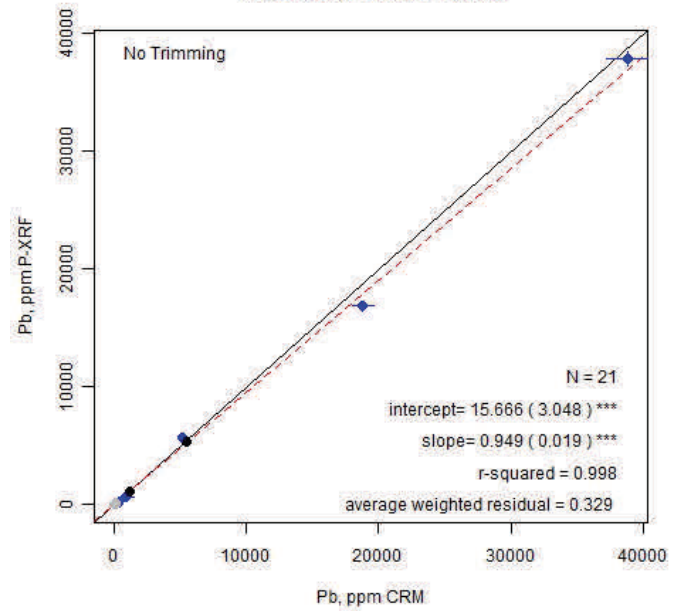
Bench Top-BTBS-Soil Mode



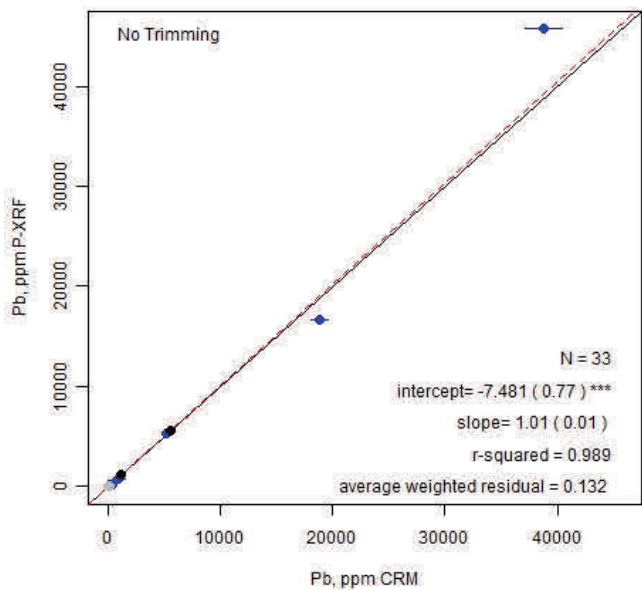
Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode



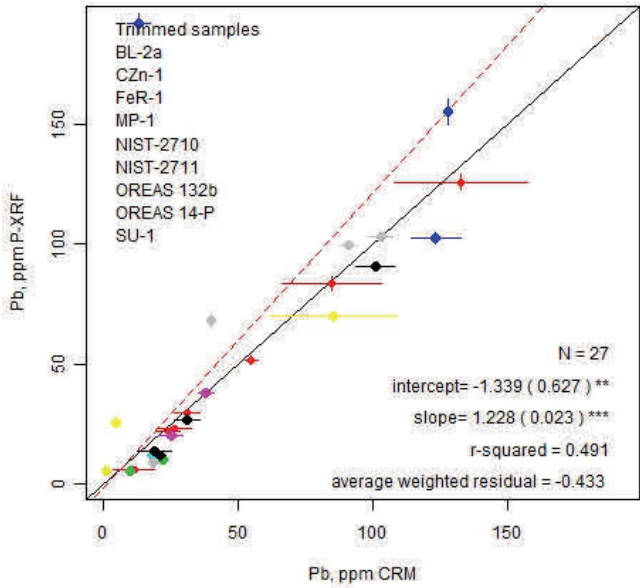
Handheld-HHCS-Soil Mode



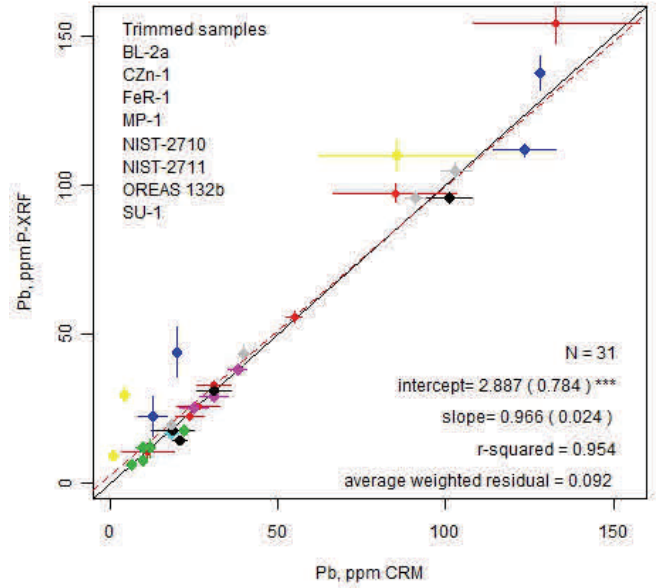
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Pb Soil mode

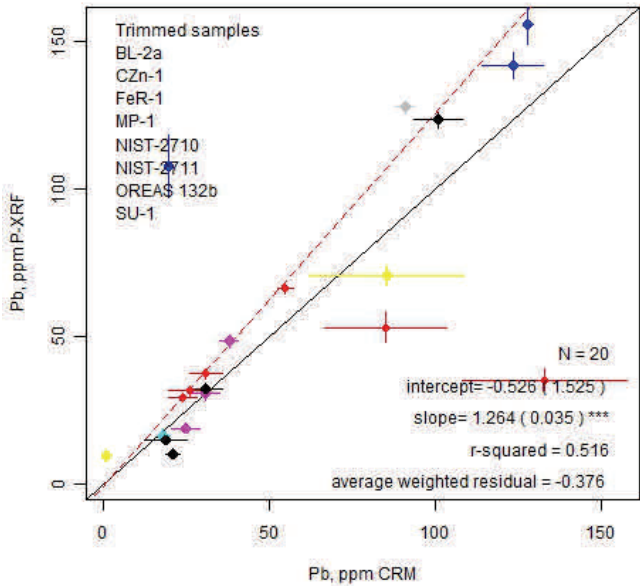
Bench Top-Machine A-Soil Mode



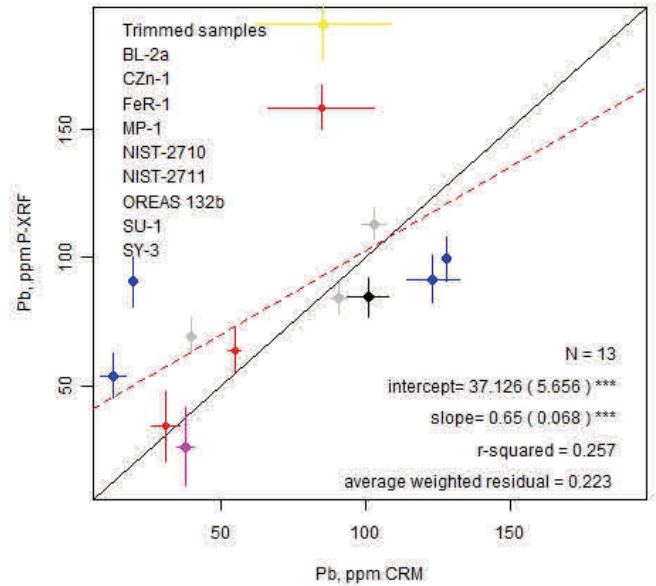
Bench Top-BTBS-Soil Mode



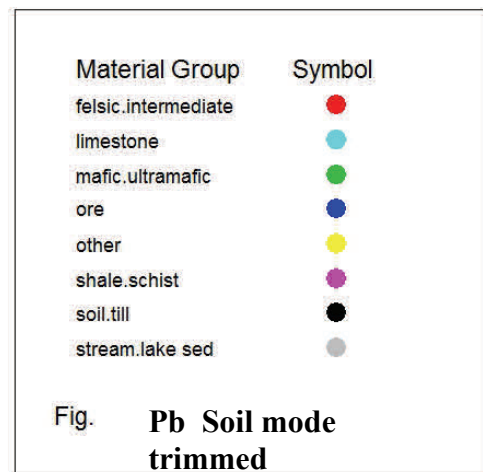
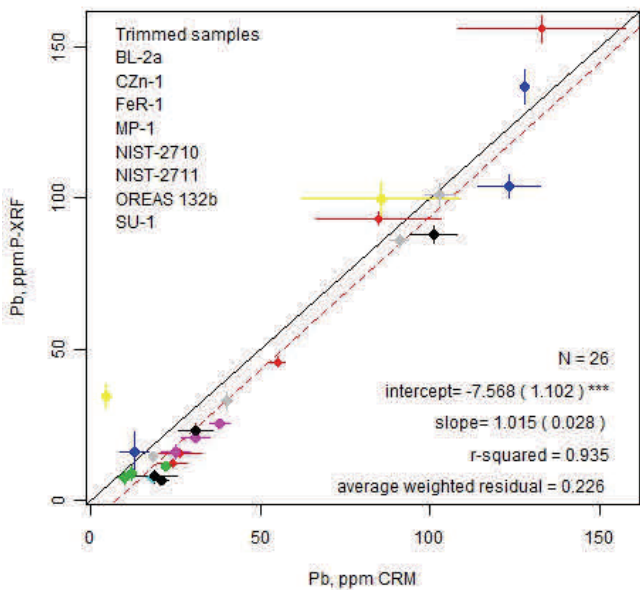
Handheld-HHAS-Soil Mode



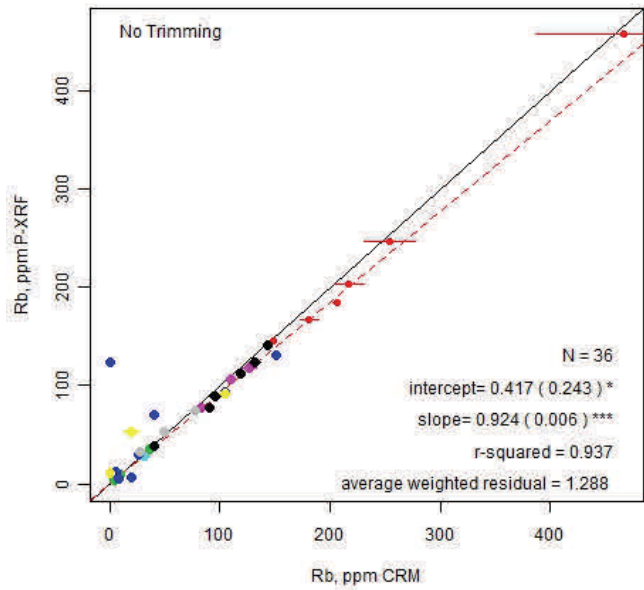
Handheld-HHBS-Soil Mode



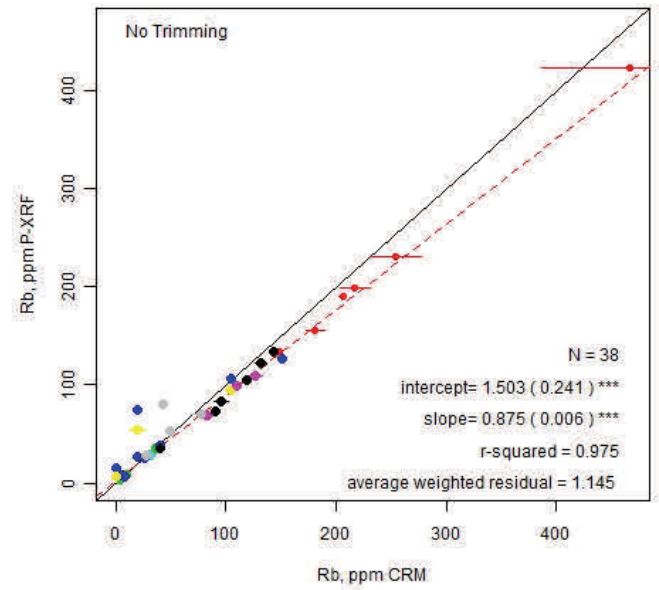
Handheld-HHCS-Soil Mode



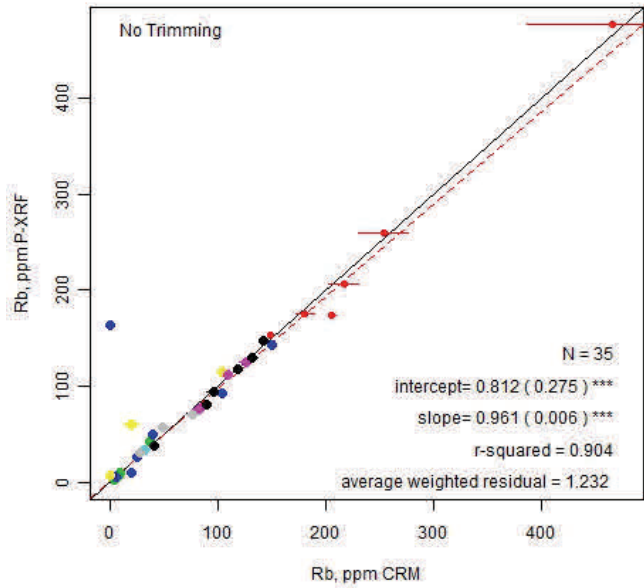
Bench Top-BTAS-Soil Mode



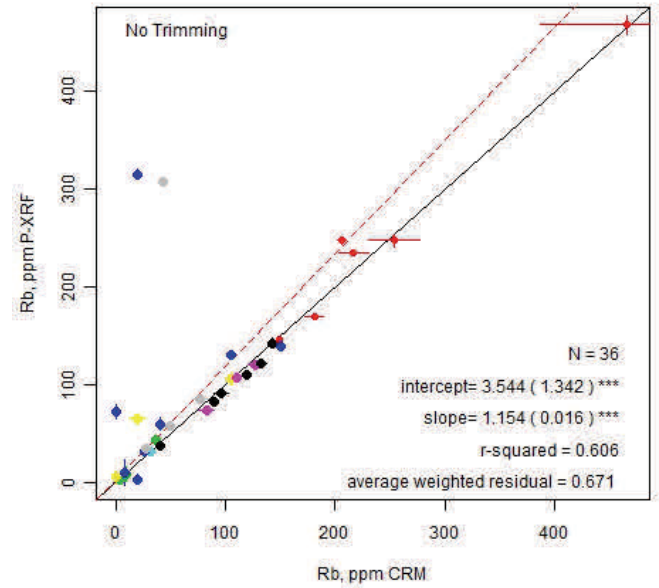
Bench Top-BTBS-Soil Mode



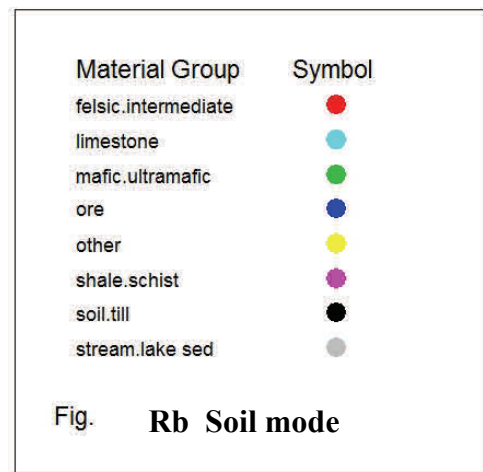
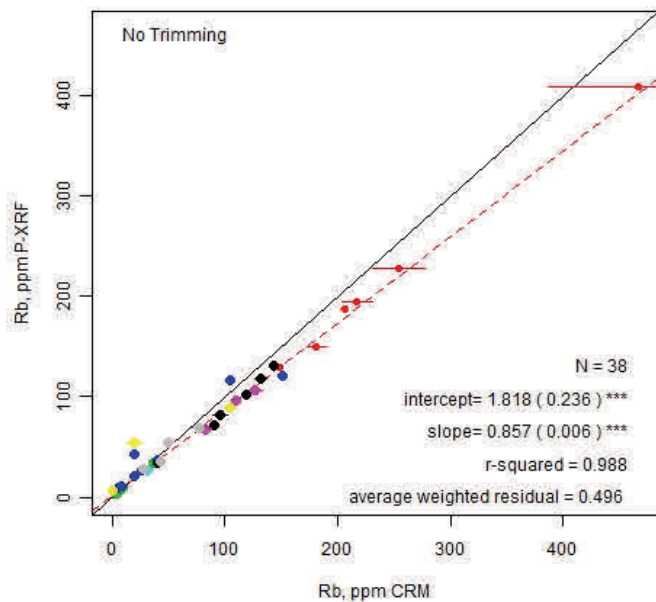
Handheld-HHAS-Soil Mode



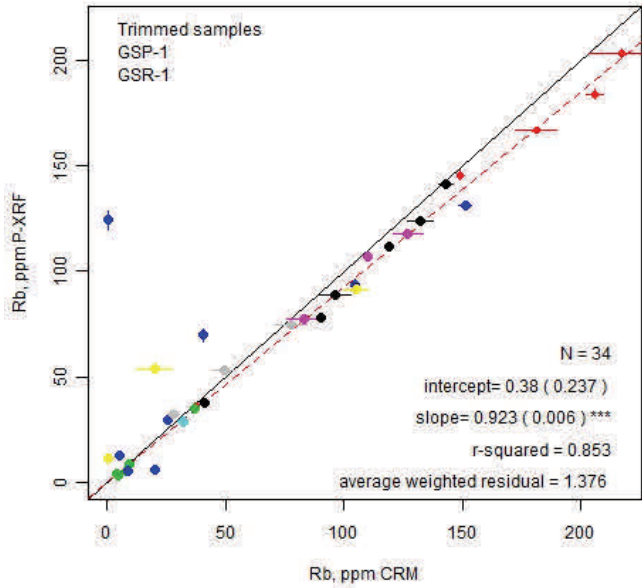
Handheld-HHBS-Soil Mode



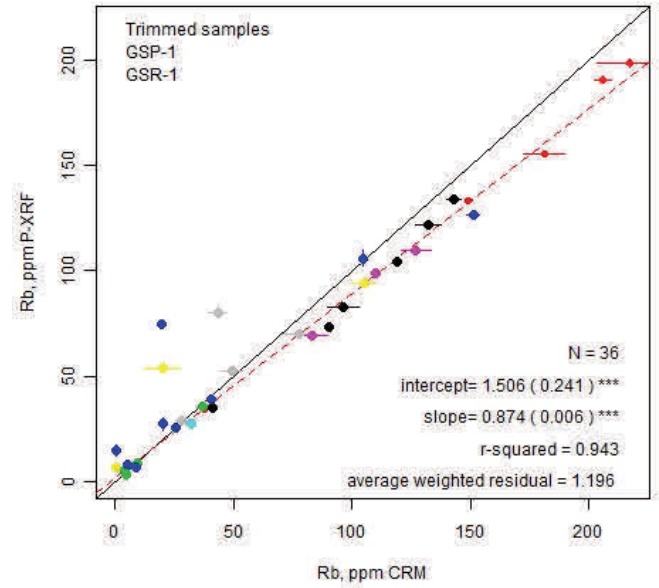
Handheld-HHCS-Soil Mode



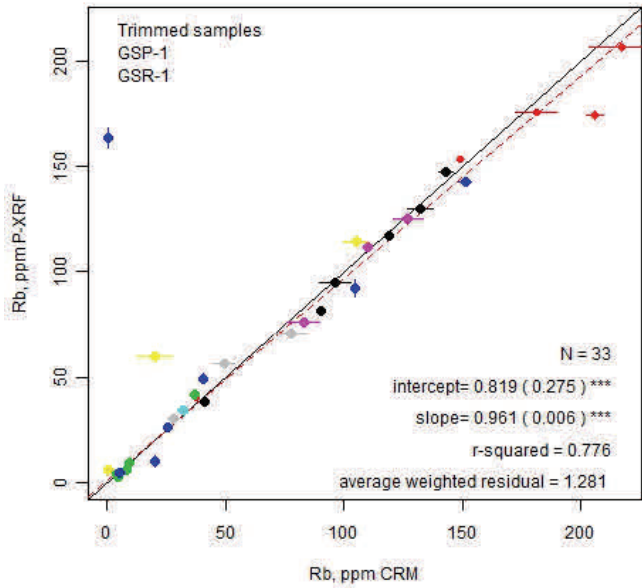
Bench Top-Machine A-Soil Mode



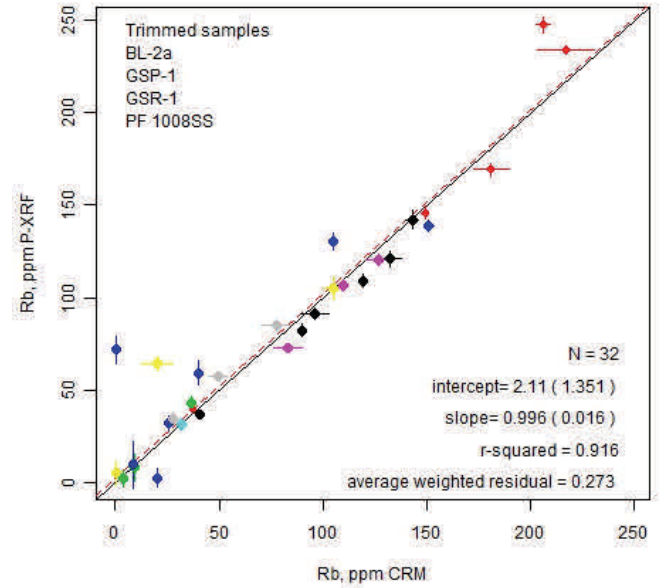
Bench Top-BTBS-Soil Mode



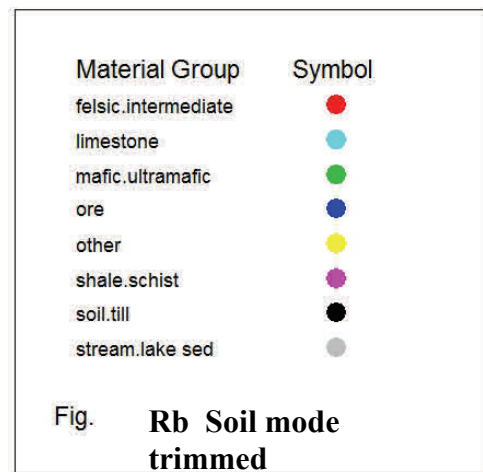
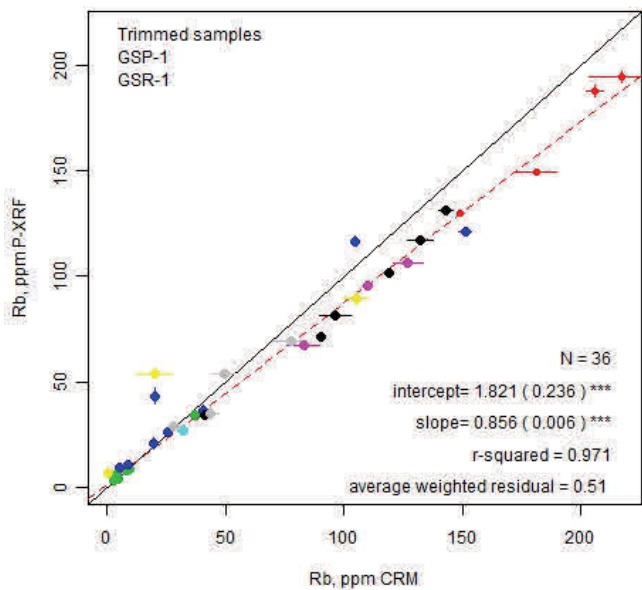
Handheld-HHAS-Soil Mode



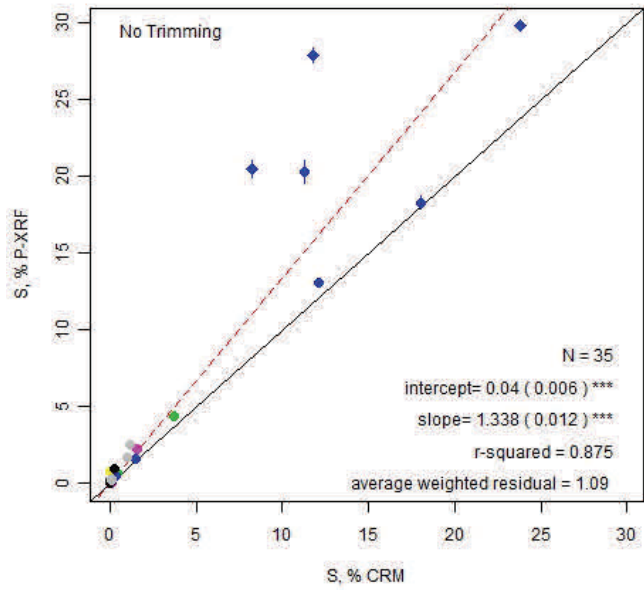
Handheld-HHBS-Soil Mode



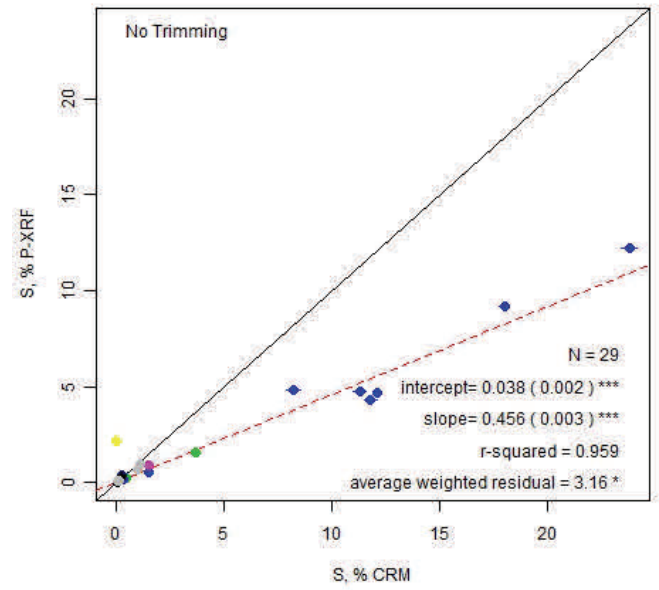
Handheld-HHCS-Soil Mode



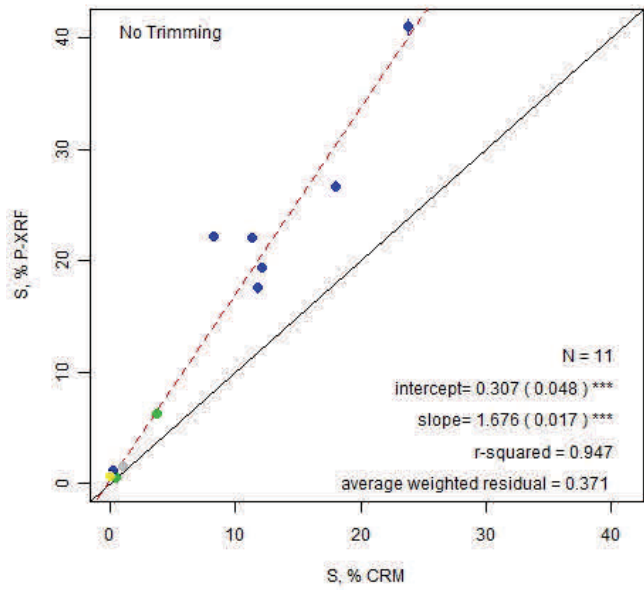
Bench Top-BTAS-Soil Mode



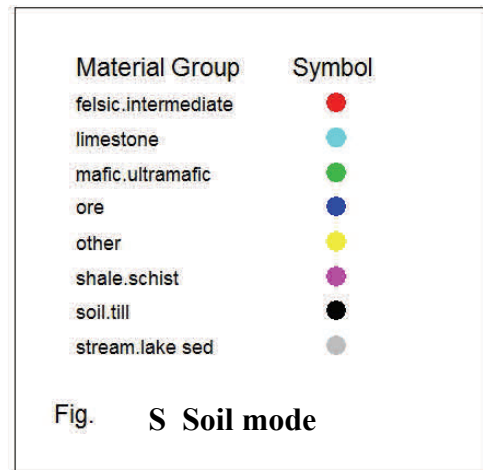
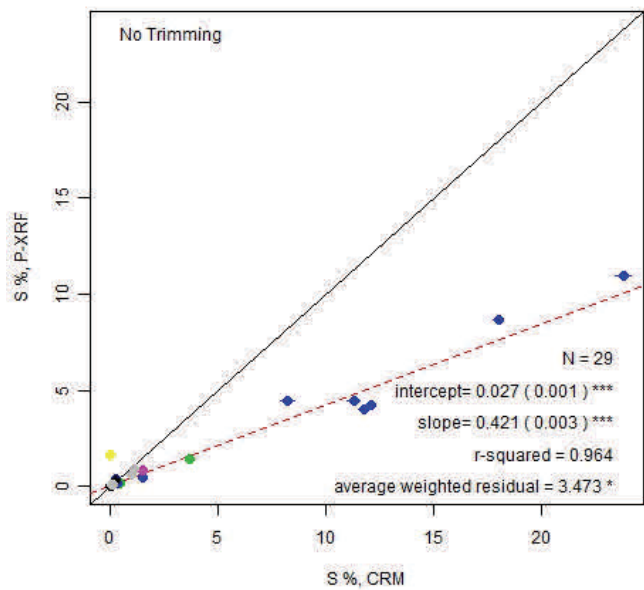
Bench Top-BTBS-Soil Mode



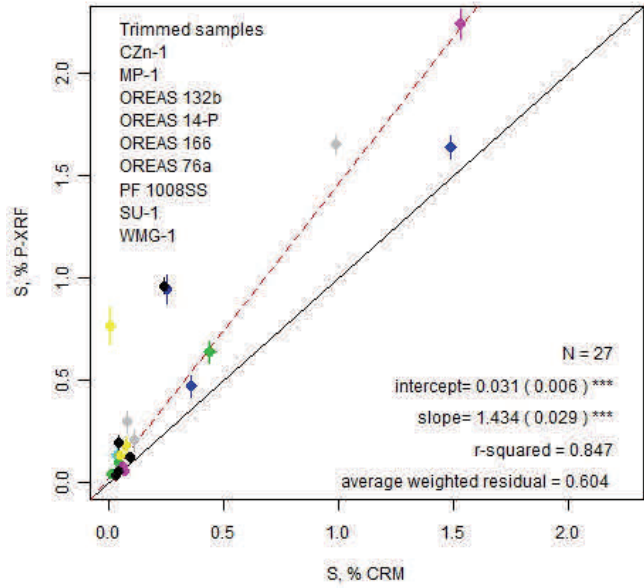
Handheld-HHAS-Soil Mode



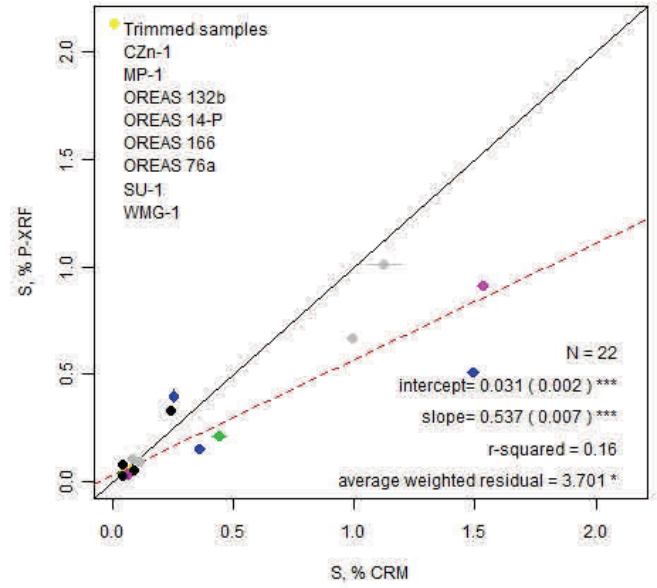
Handheld-HHCS-Soil Mode



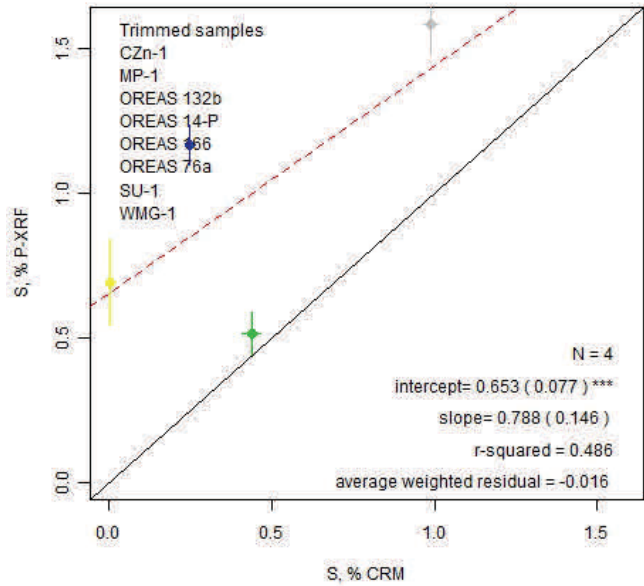
Bench Top-Machine A-Soil Mode



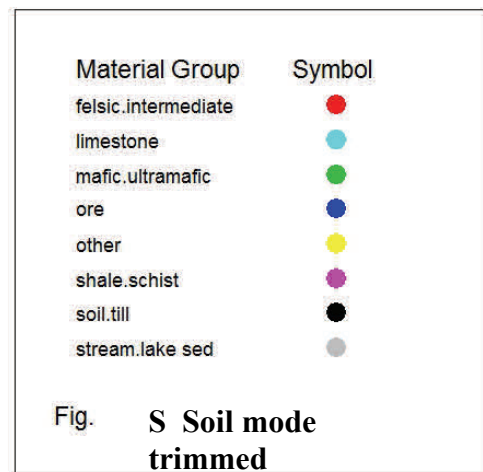
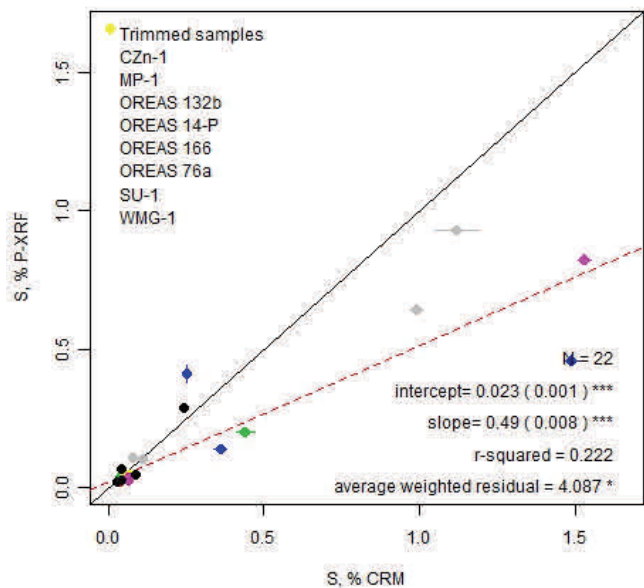
Bench Top-BTBS-Soil Mode



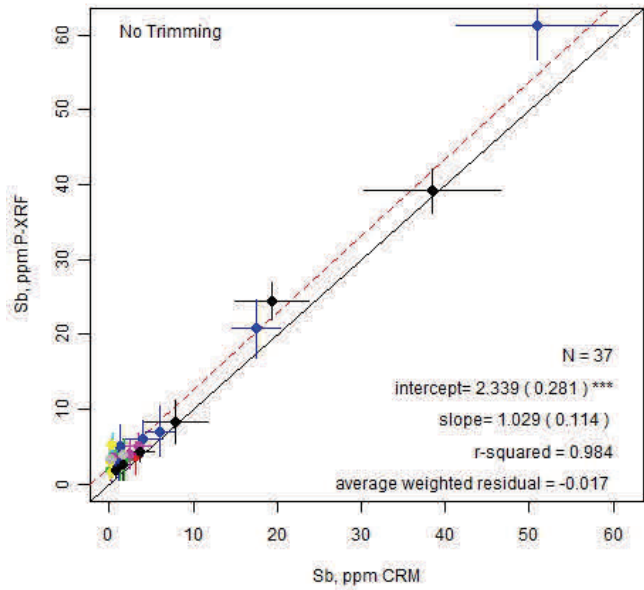
Handheld-HHAS-Soil Mode



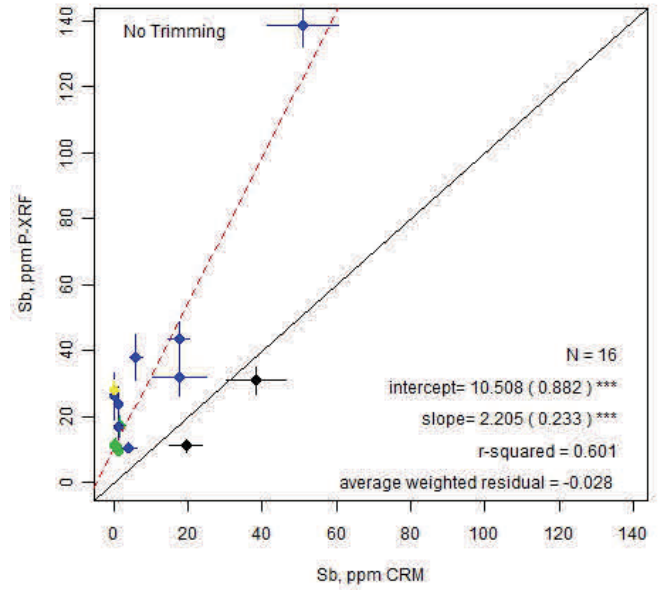
Handheld-HHCS-Soil Mode



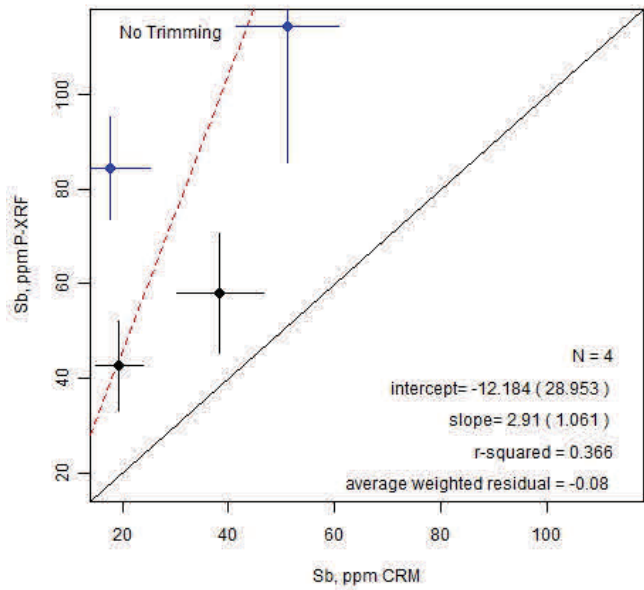
Bench Top-BTAS-Soil Mode



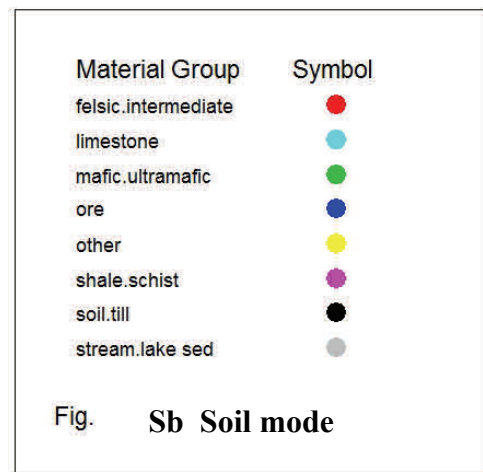
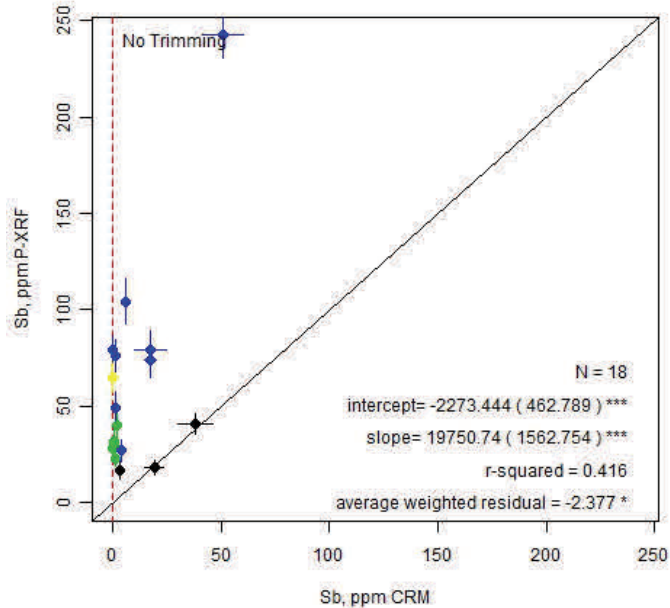
Bench Top-BTBS-Soil Mode



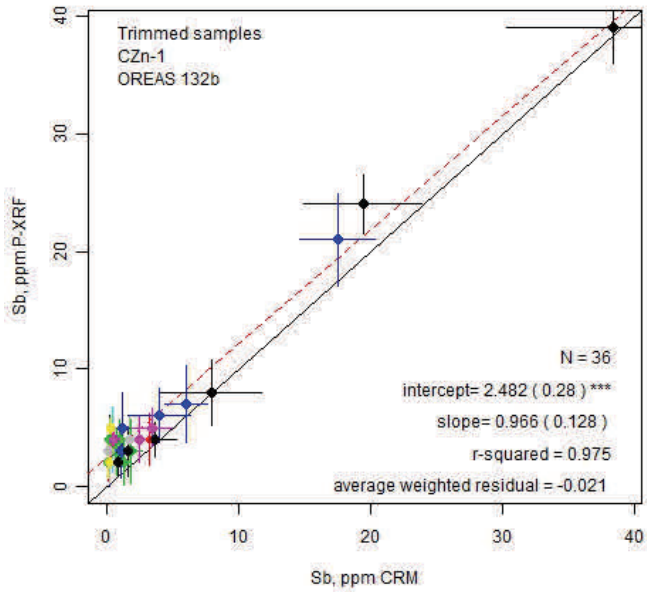
Handheld-HHAS-Soil Mode



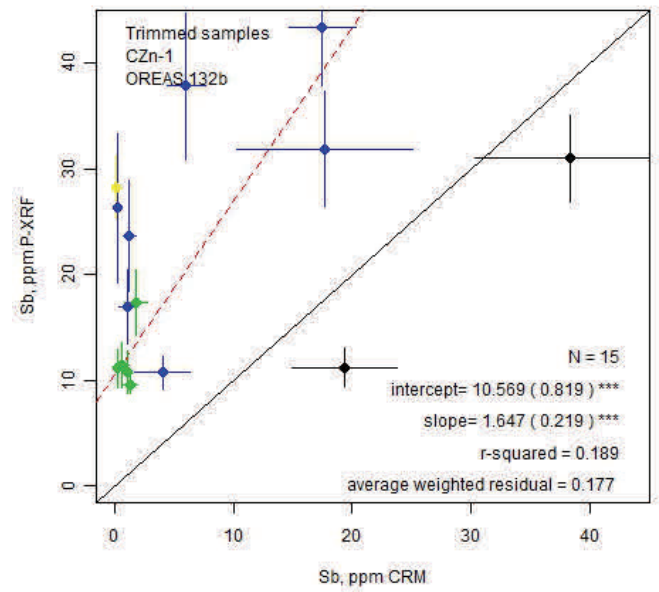
Handheld-HHCS-Soil Mode



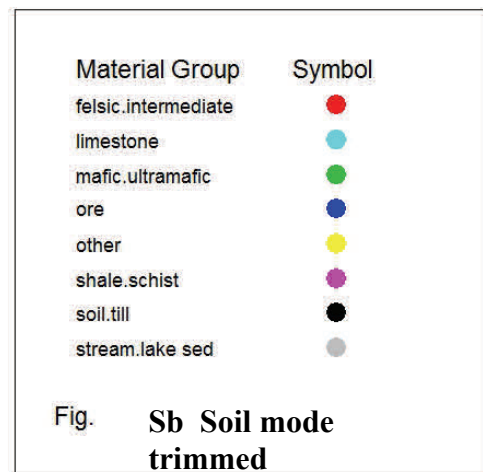
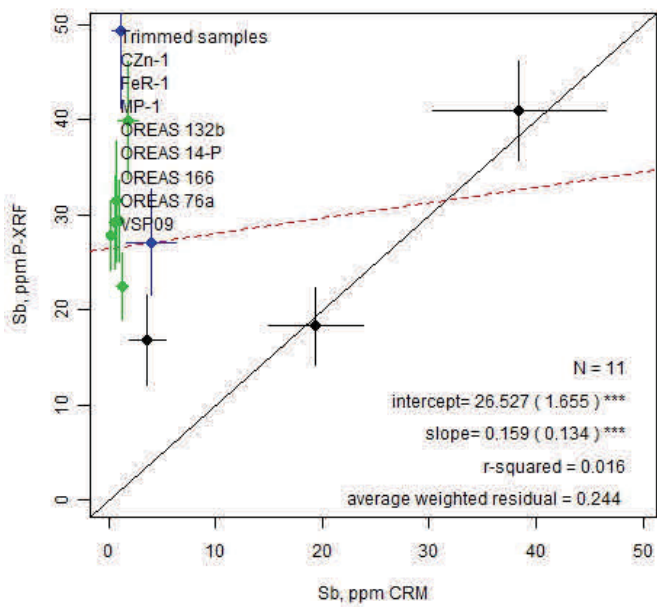
Bench Top-Machine A-Soil Mode



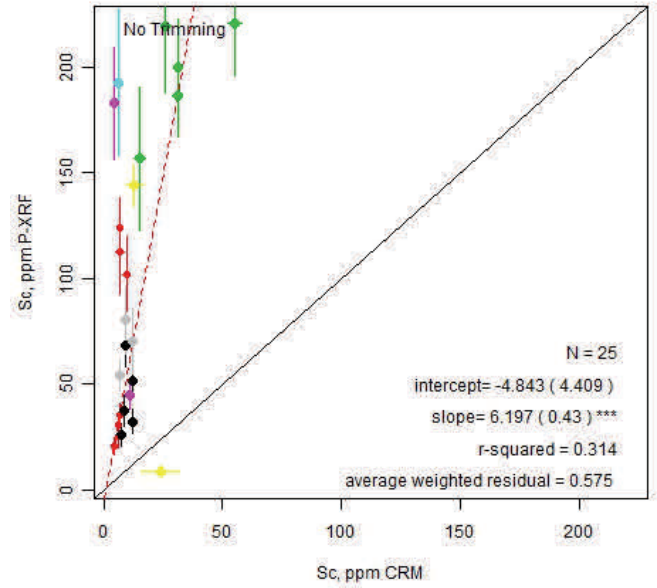
Bench Top-BTBS-Soil Mode



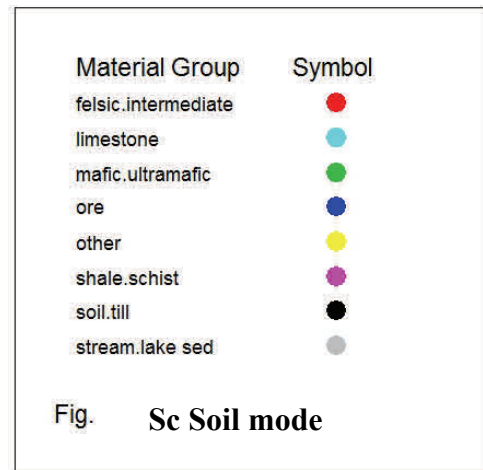
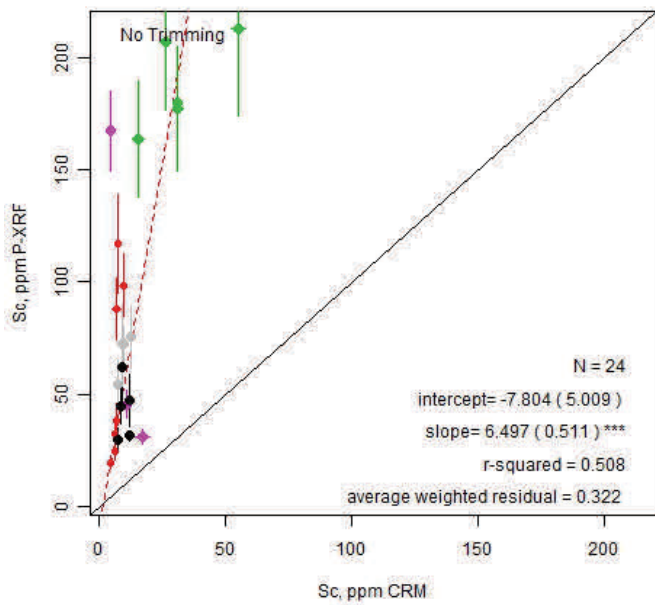
Handheld-HHCS-Soil Mode



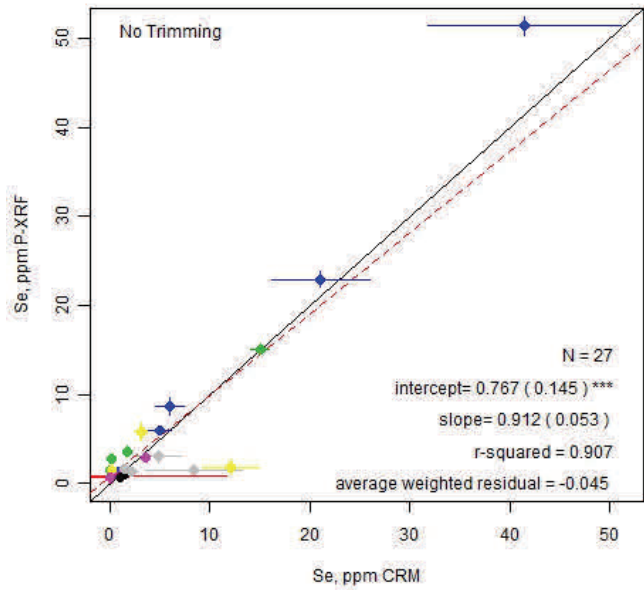
Bench Top-BTBS-Soil Mode



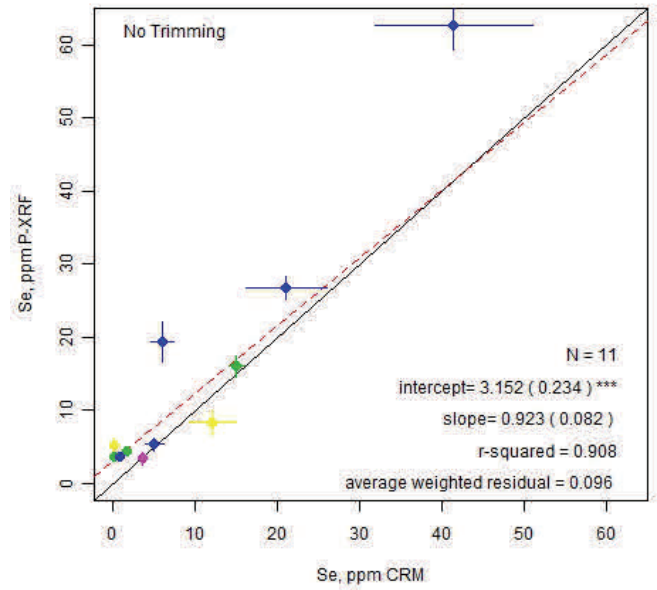
Handheld-HHCS-Soil Mode



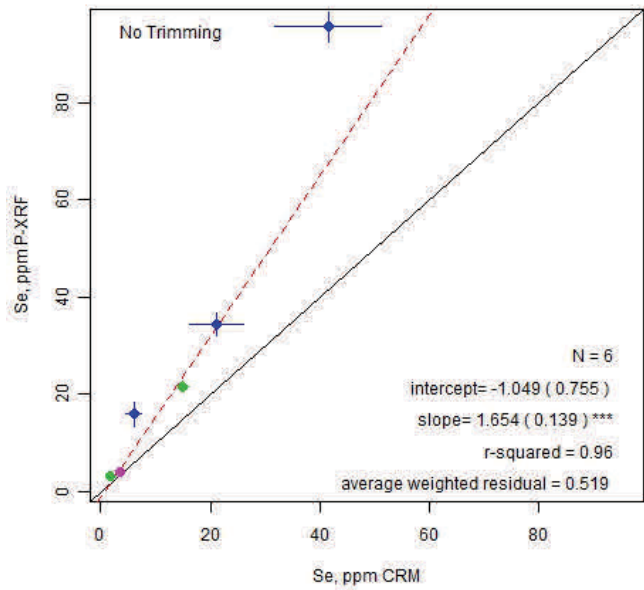
Bench Top-BTAS-Soil Mode



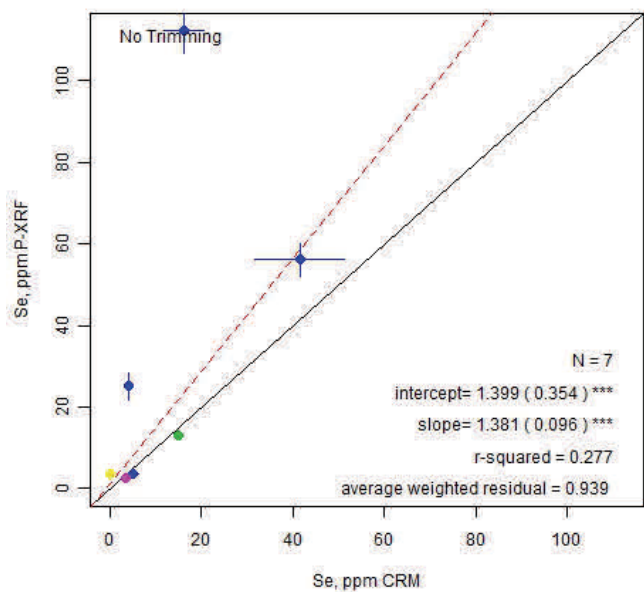
Bench Top-BTBS-Soil Mode



Handheld-HHAS-Soil Mode



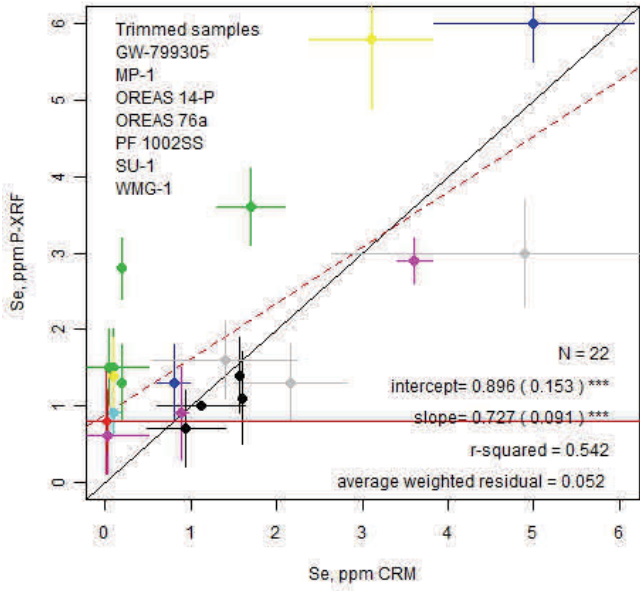
Handheld-HHCS-Soil Mode



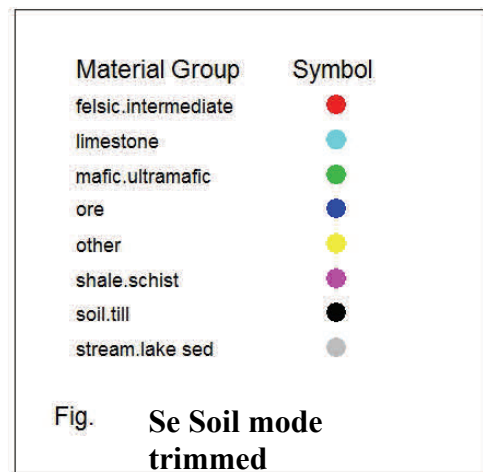
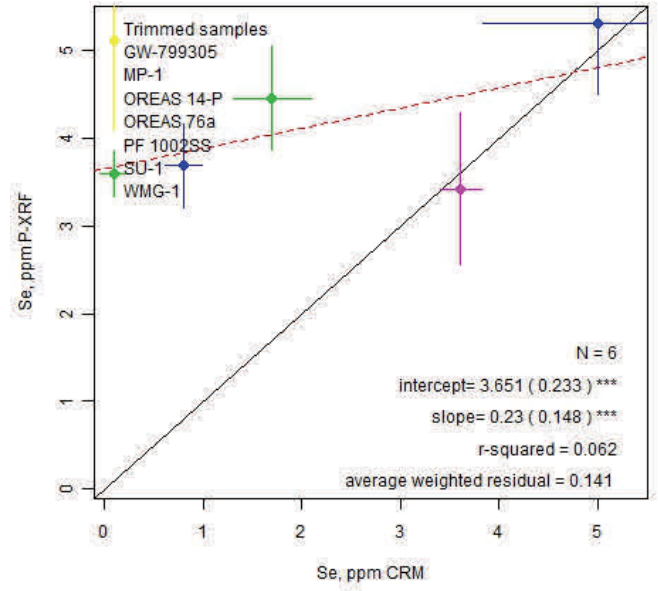
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Se Soil mode

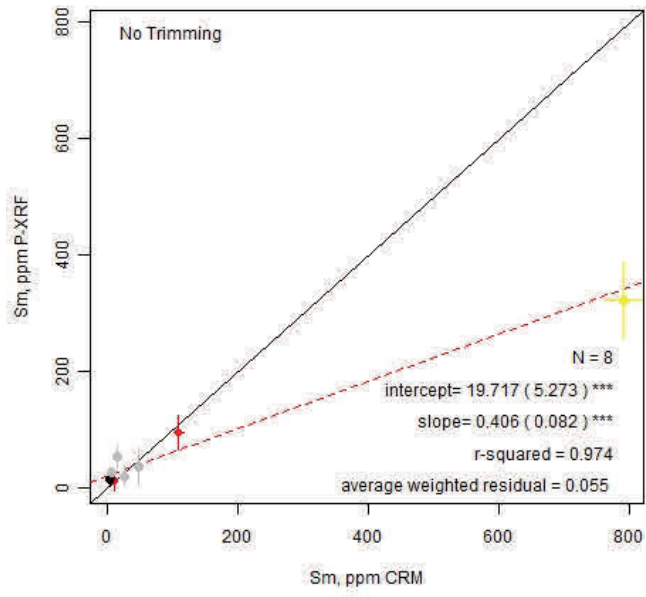
Bench Top-Machine A-Soil Mode



Bench Top-BTBS-Soil Mode



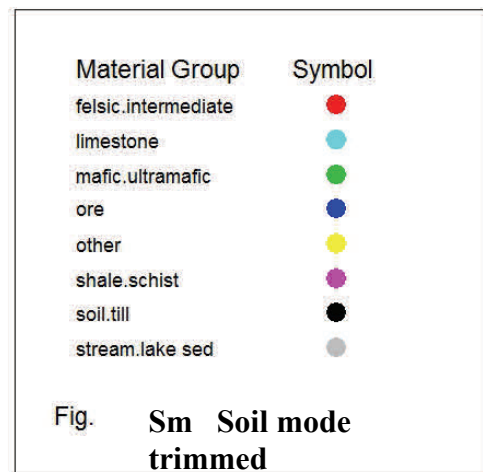
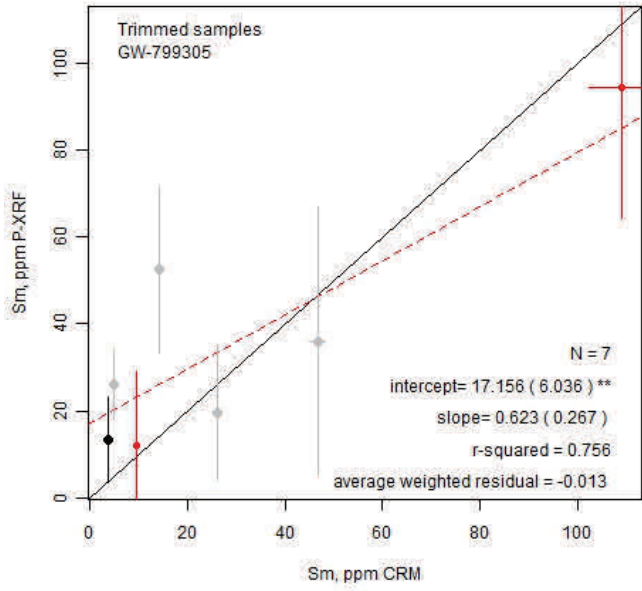
Bench Top-BTAS-Soil Mode



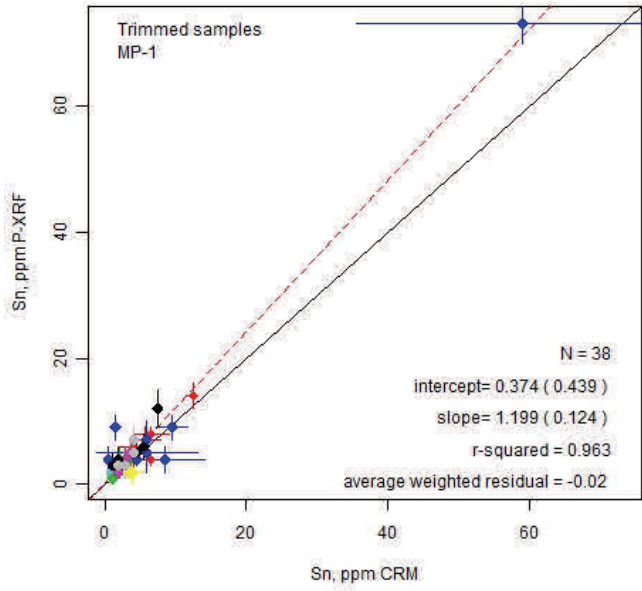
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Sm Soil mode

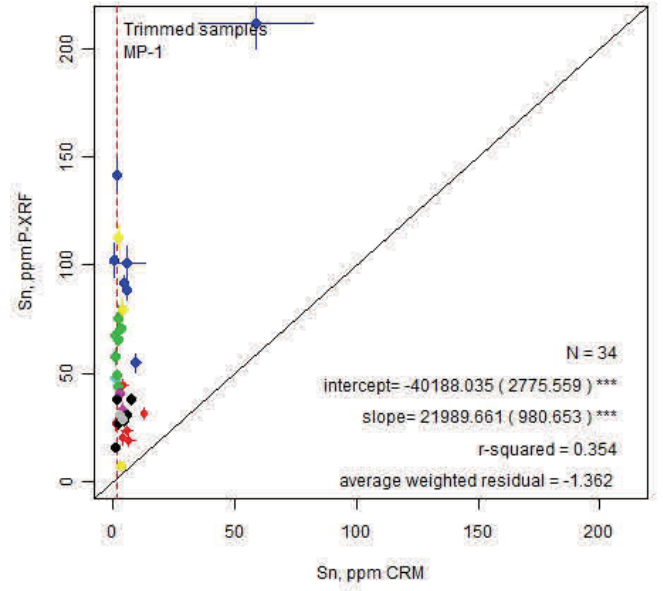
Bench Top-Machine A-Soil Mode



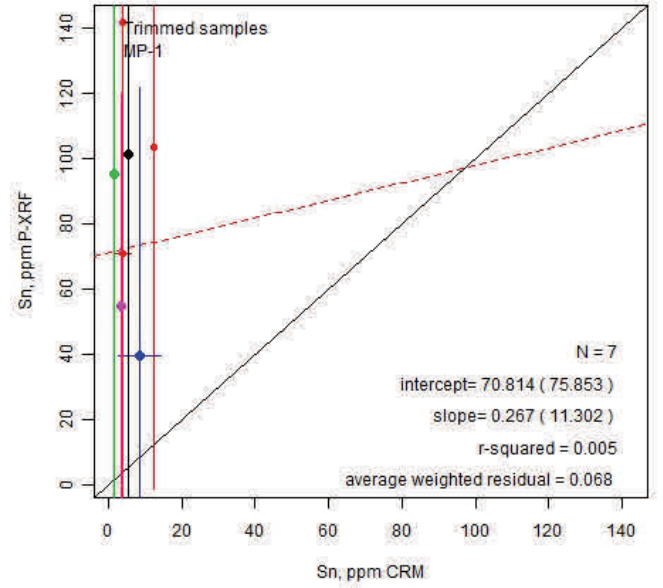
Bench Top-BTAS-Soil Mode



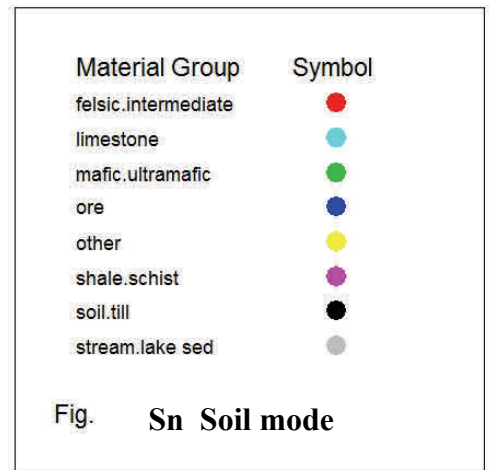
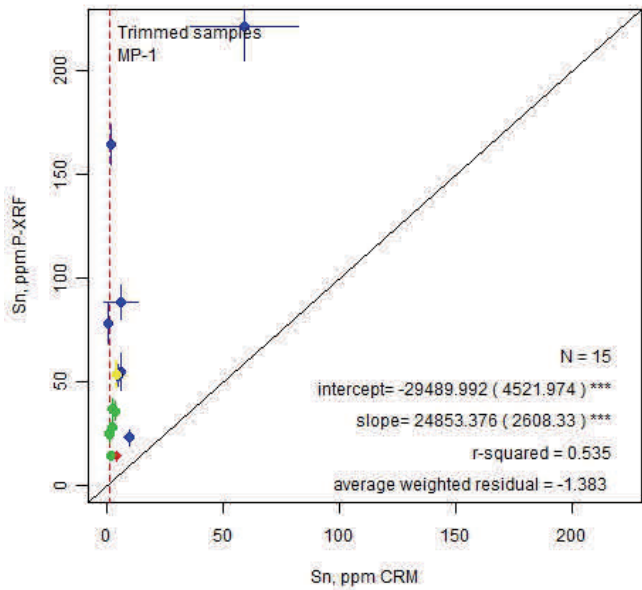
Bench Top-BTBS-Soil Mode



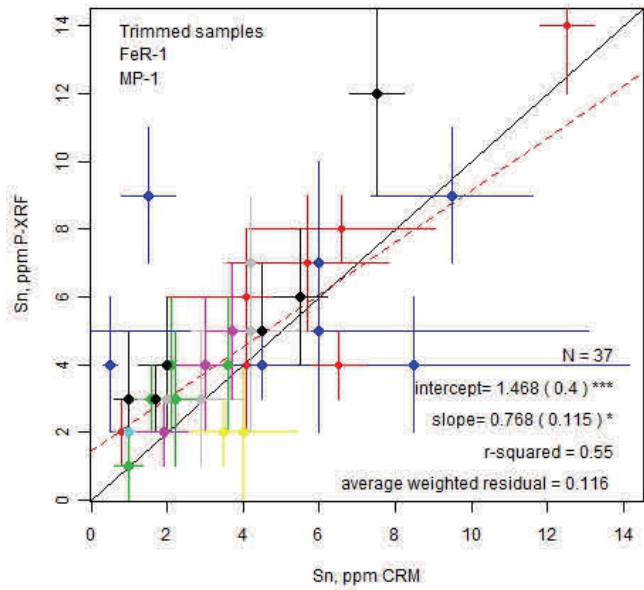
Handheld-HHBS-Soil Mode



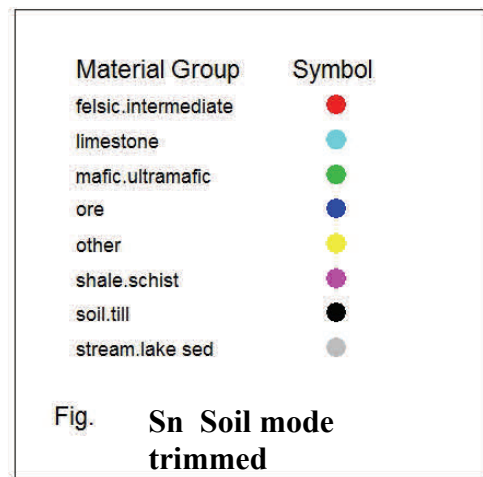
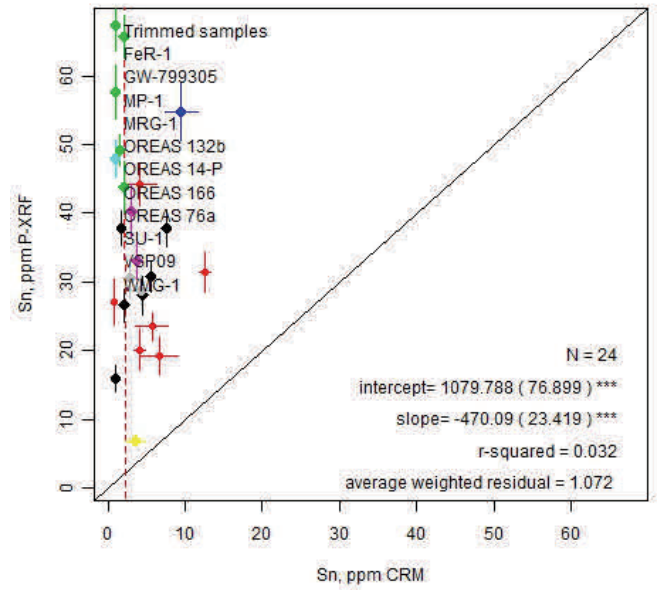
Handheld-HHCS-Soil Mode



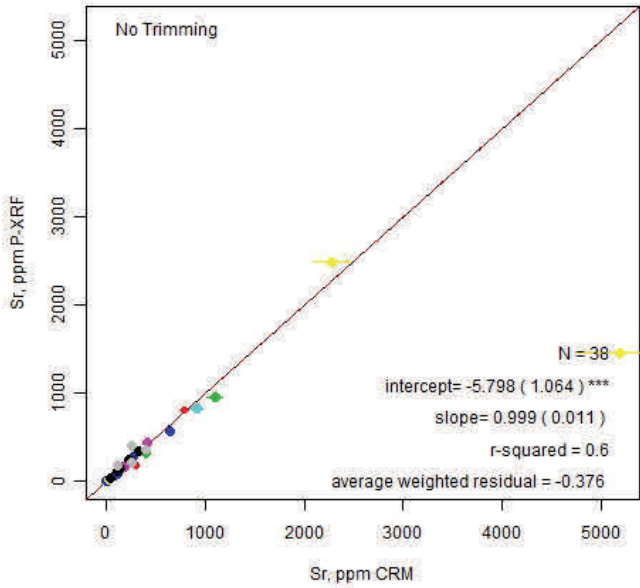
Bench Top-BTAS-Soil Mode



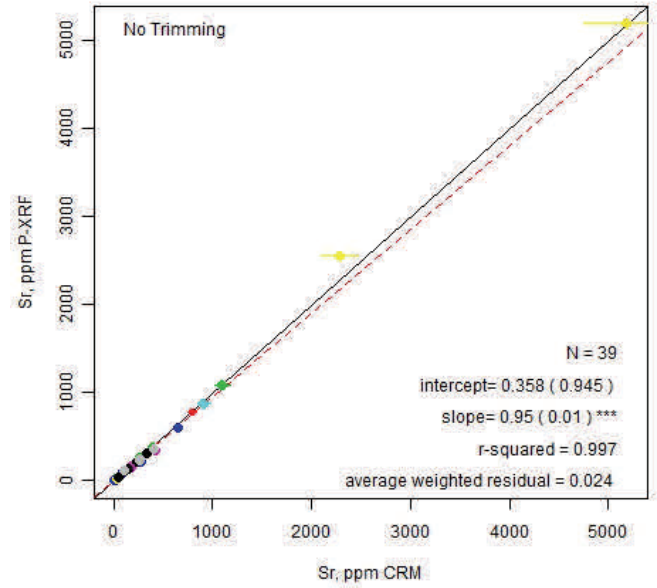
Bench Top-BTBS-Soil Mode



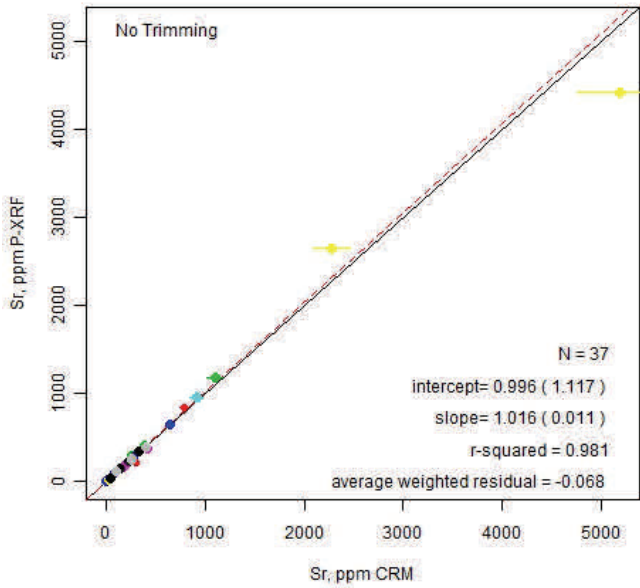
Bench Top-BTAS-Soil Mode



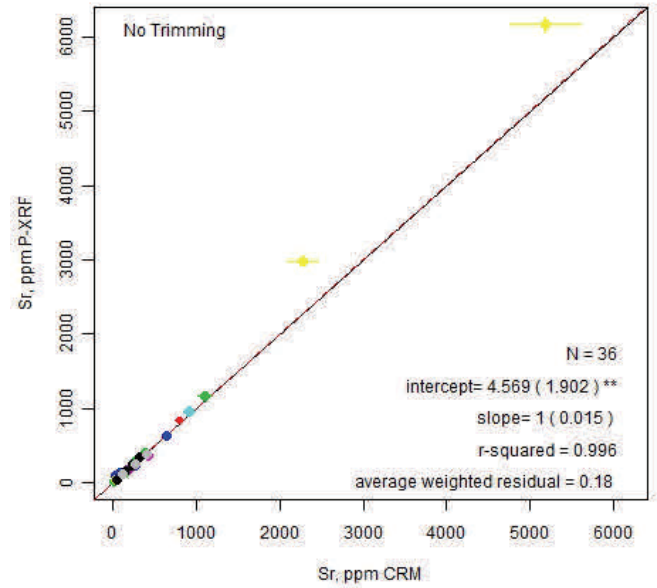
Bench Top-BTBS-Soil Mode



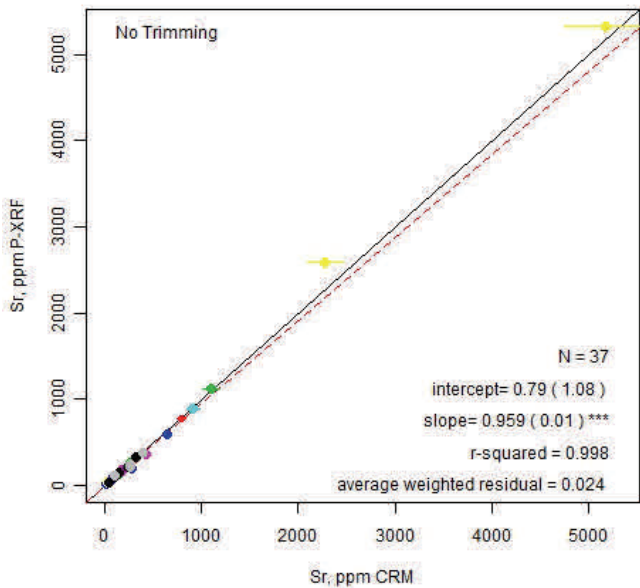
Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode



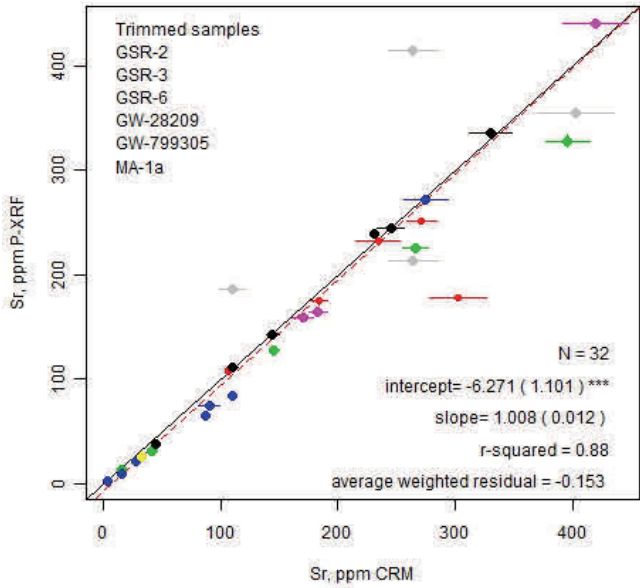
Handheld-HHCS-Soil Mode



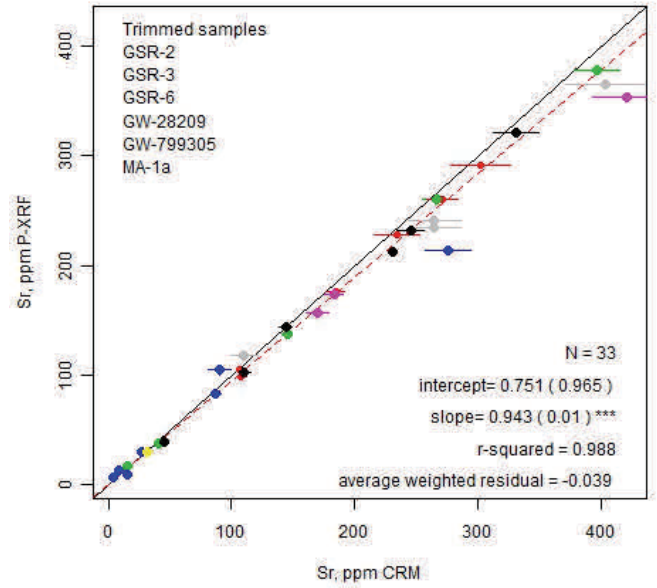
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Sr Soil mode

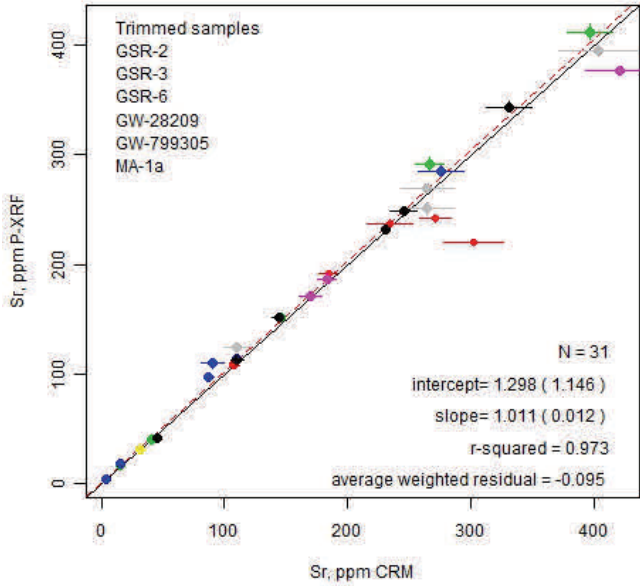
Bench Top-Machine A-Soil Mode



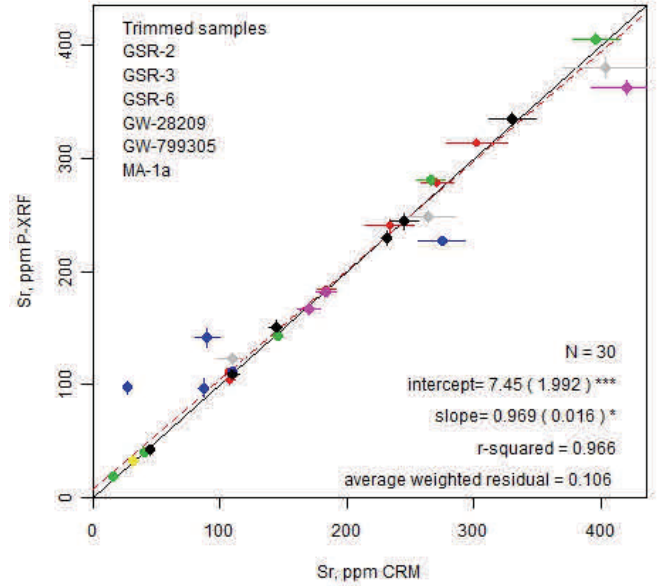
Bench Top-BTBS-Soil Mode



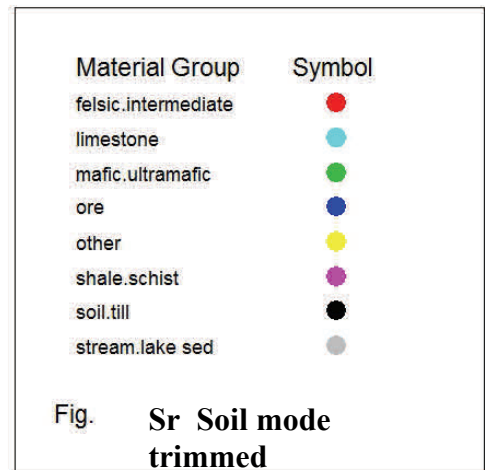
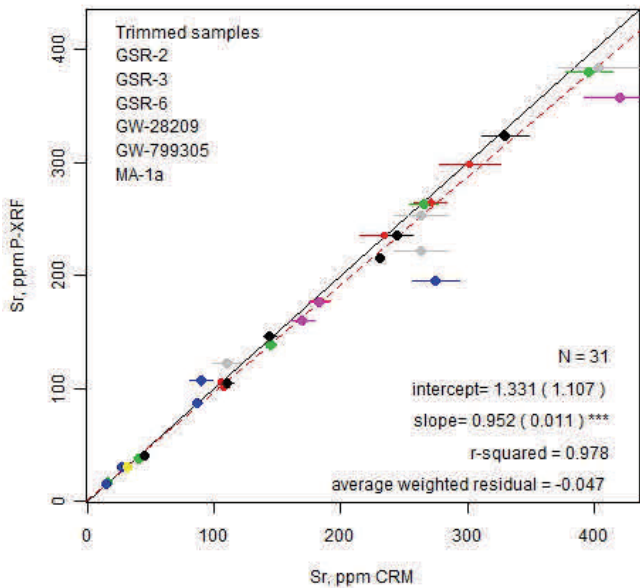
Handheld-HHAS-Soil Mode



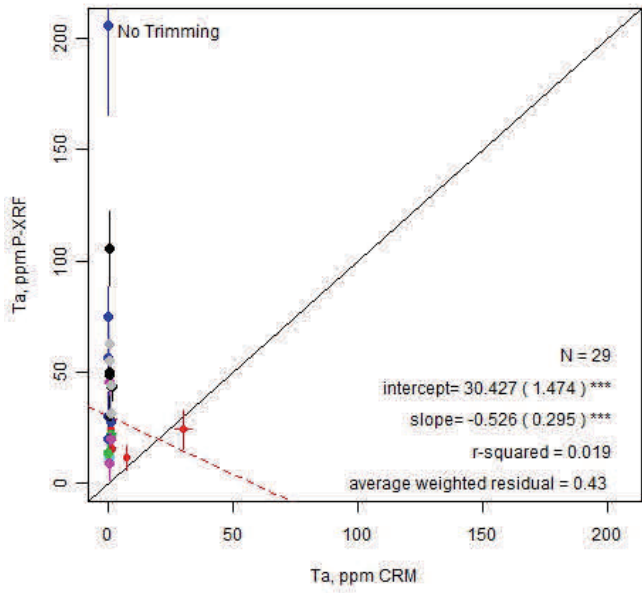
Handheld-HHBS-Soil Mode



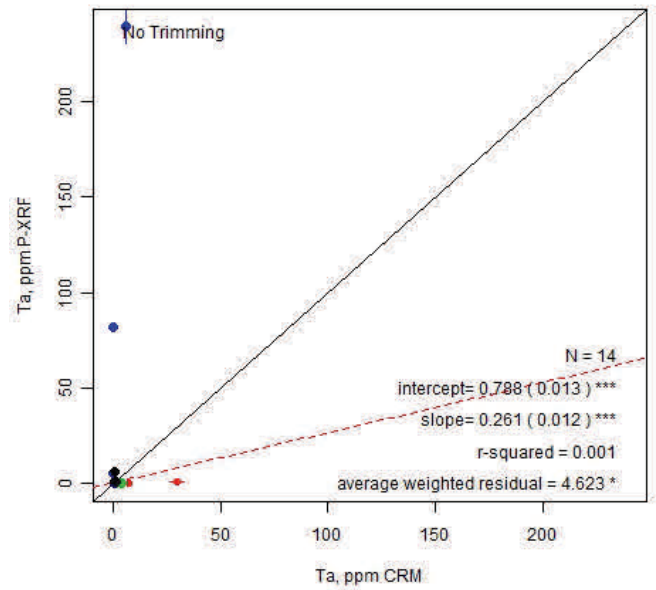
Handheld-HHCS-Soil Mode



Bench Top-BTAS-Soil Mode

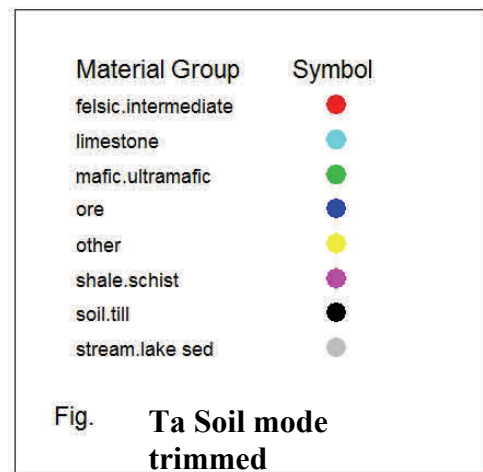
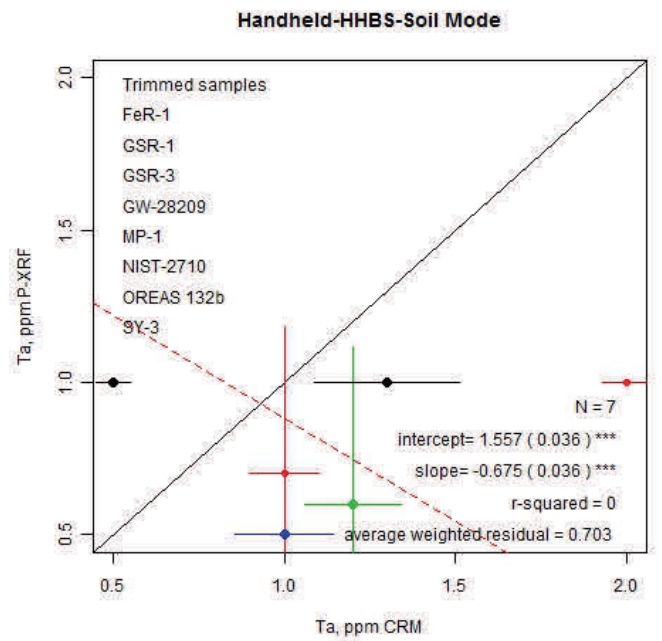


Handheld-HHBS-Soil Mode

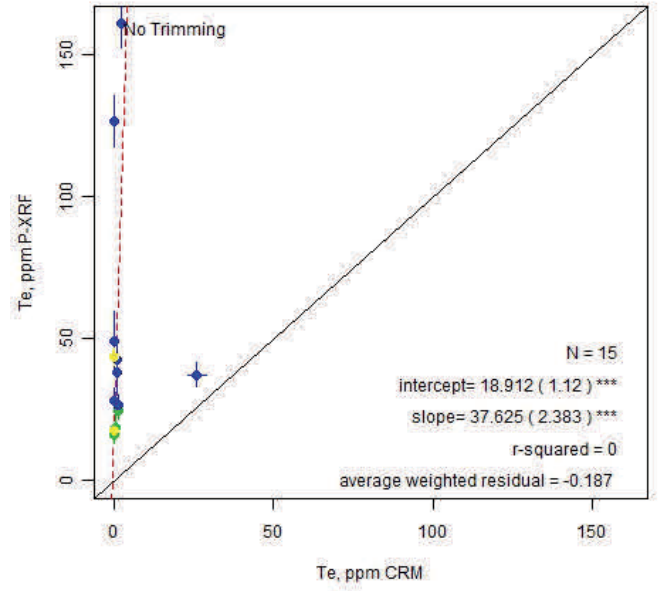


Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

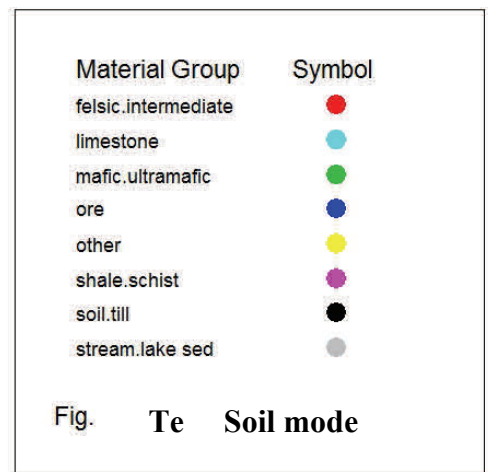
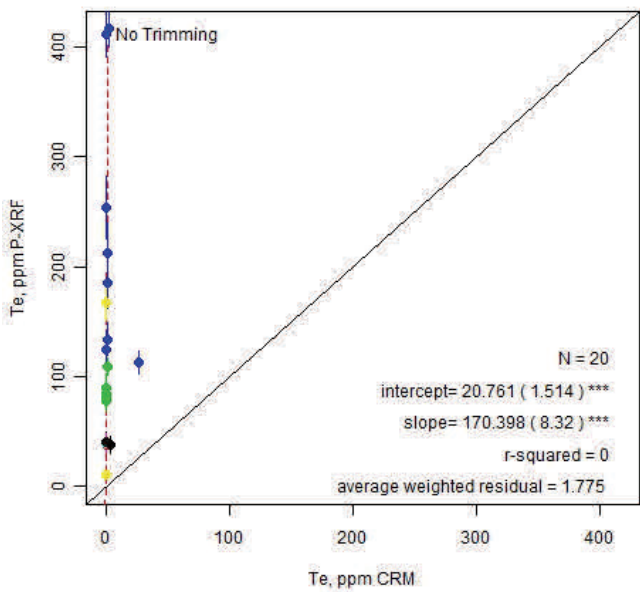
Fig. Ta Soil mode



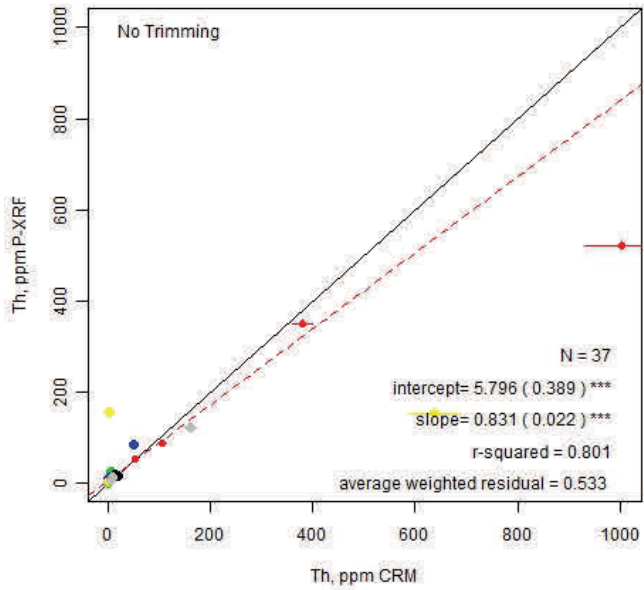
Bench Top-BTBS-Soil Mode



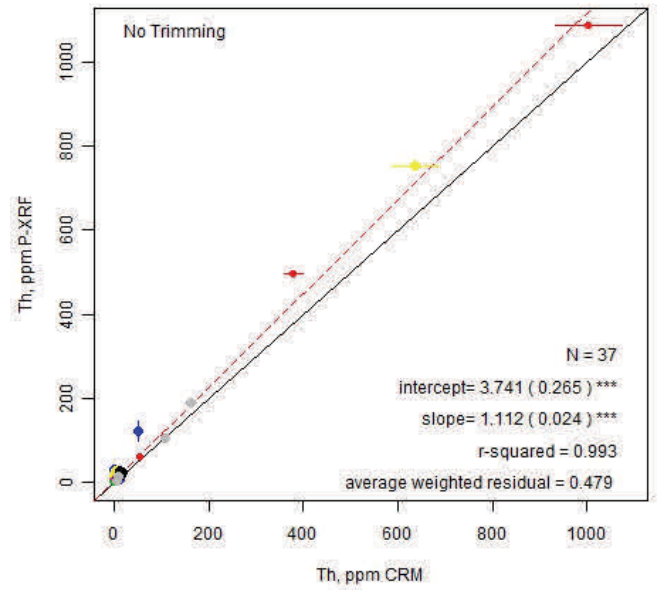
Handheld-HHCS-Soil Mode



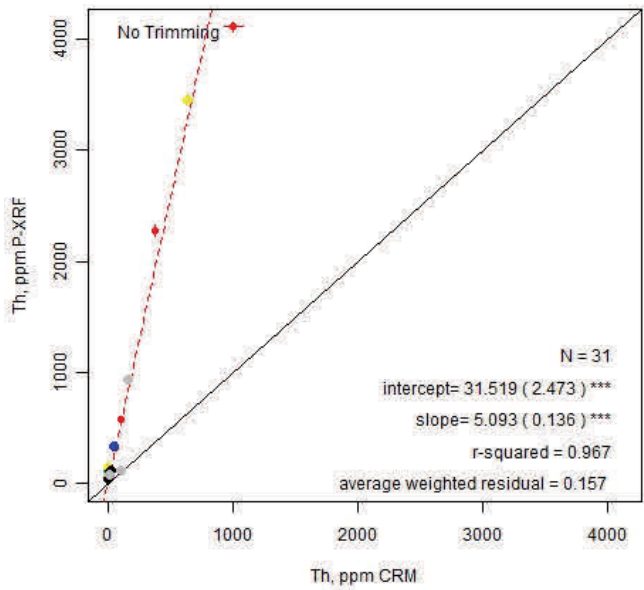
Bench Top-BTAS-Soil Mode



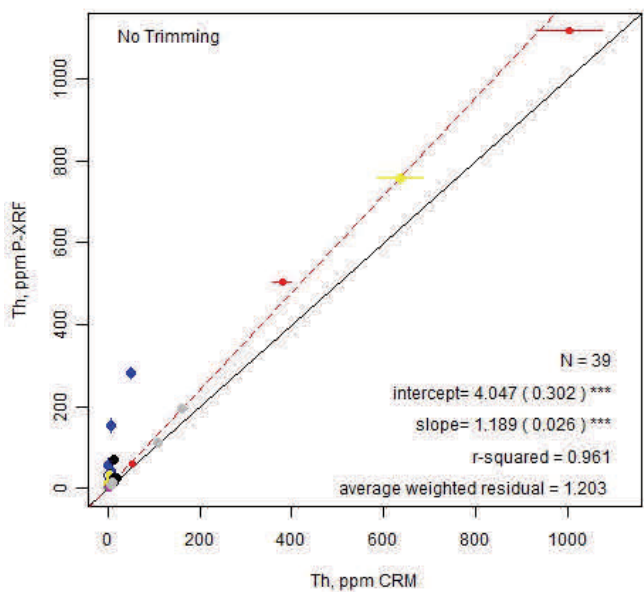
Bench Top-BTBS-Soil Mode



Handheld-HHAS-Soil Mode



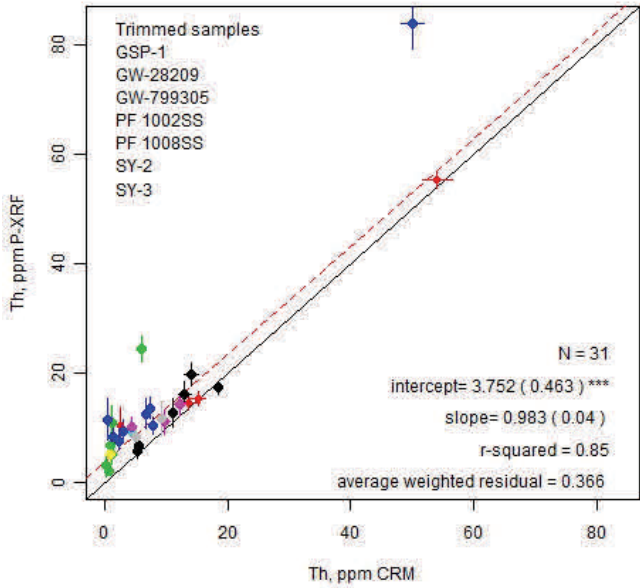
Handheld-HHCS-Soil Mode



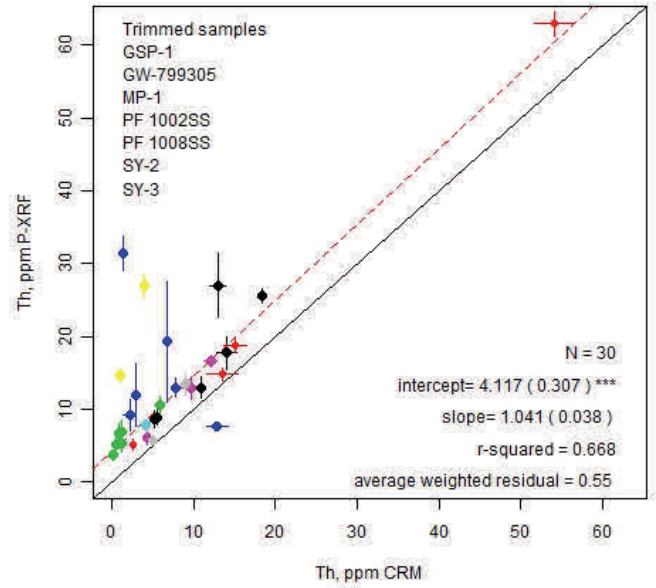
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Th Soil mode

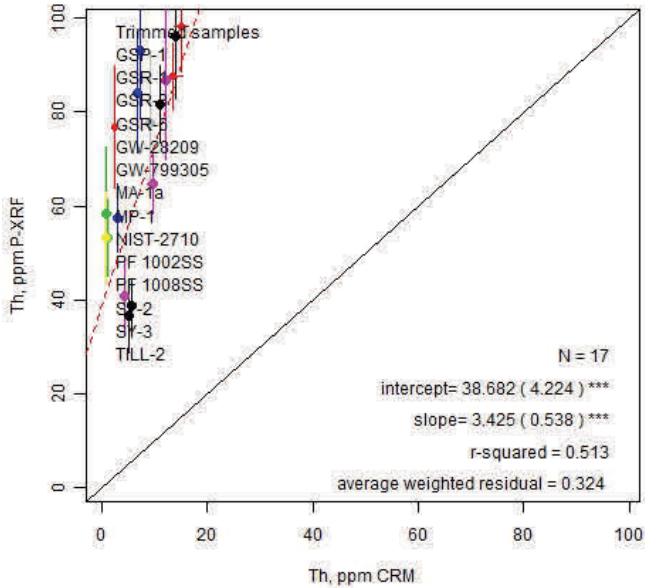
Bench Top-Machine A-Soil Mode



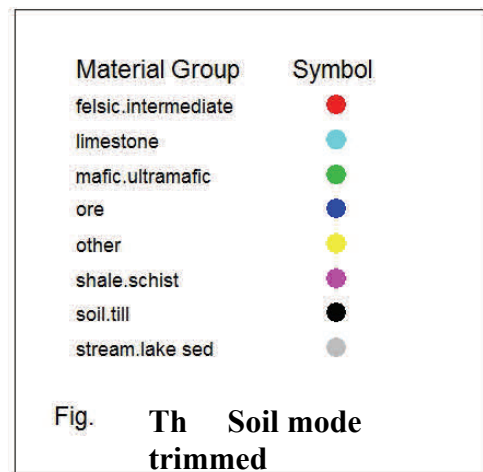
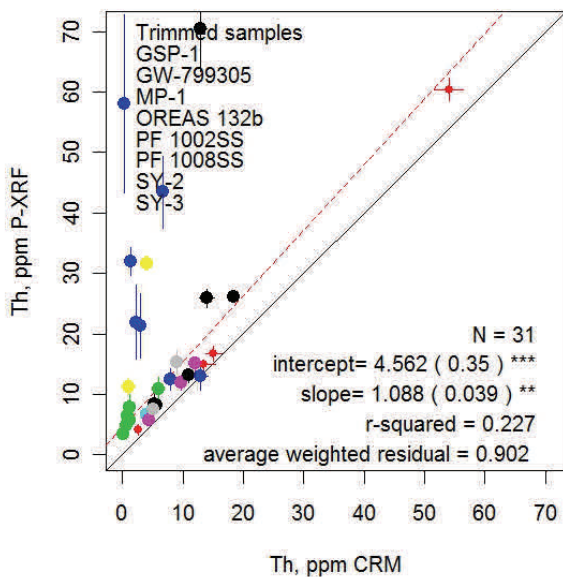
Bench Top-BTBS-Soil Mode



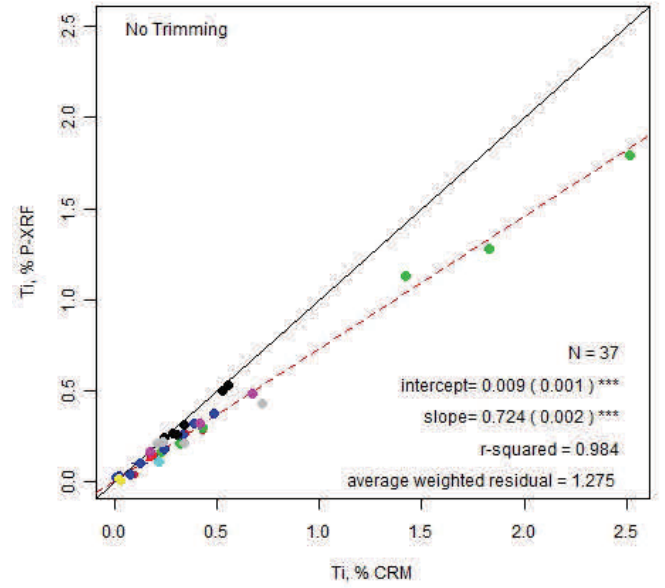
Handheld-HHAS-Soil Mode



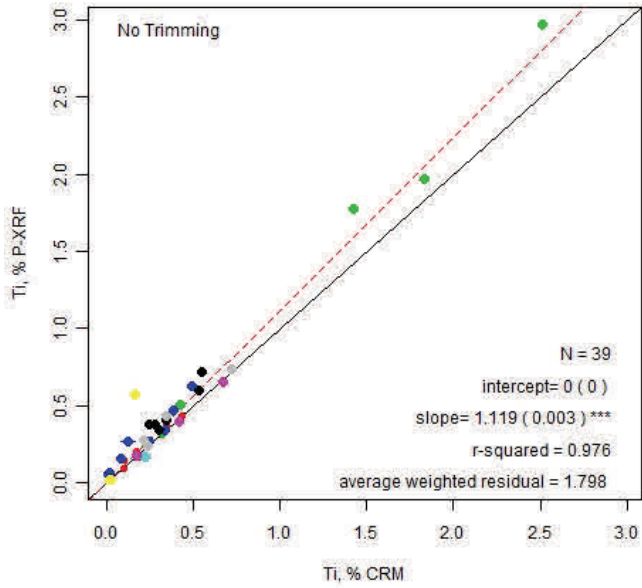
Handheld-HHCS-Soil Mode



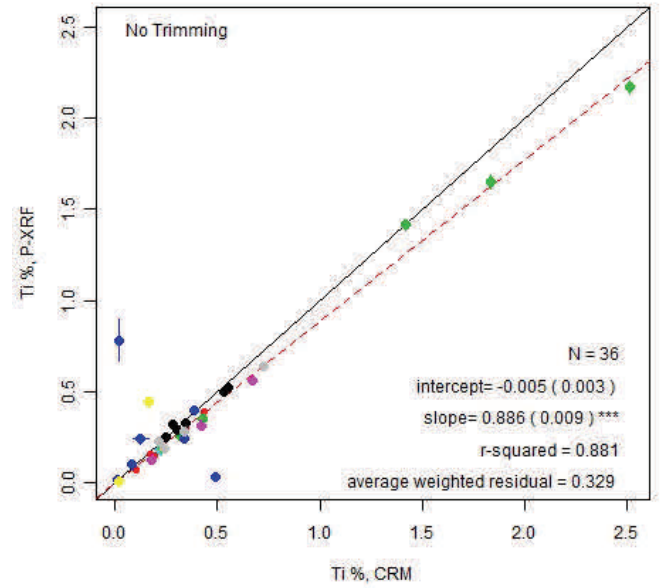
Bench Top-BTBS-Soil Mode



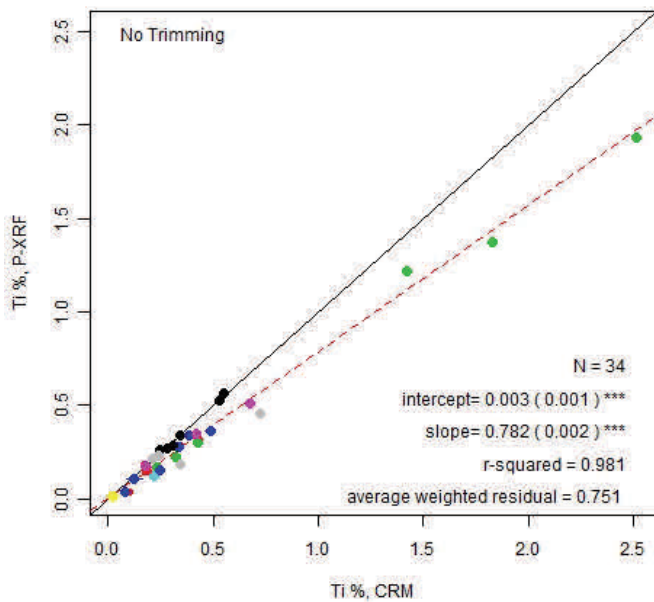
Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode



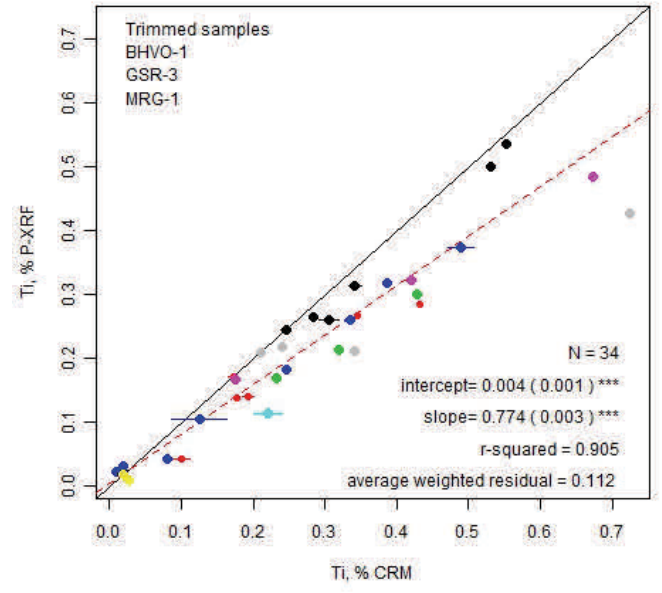
Handheld-HHCS-Soil Mode



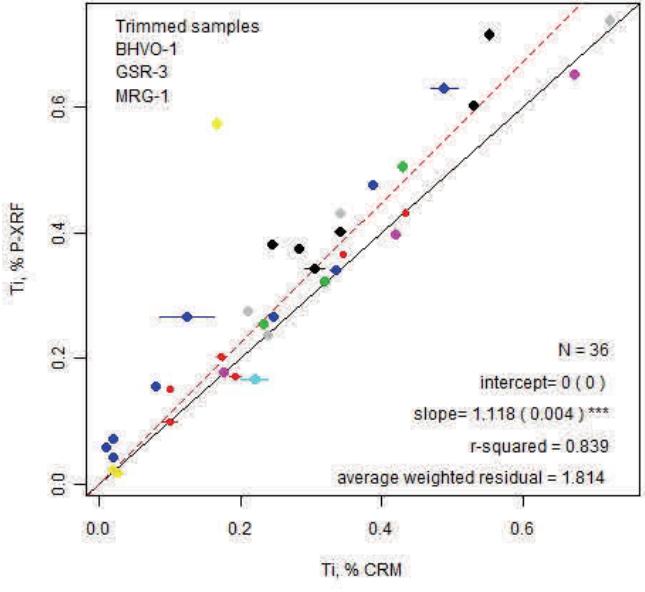
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Ti Soil mode

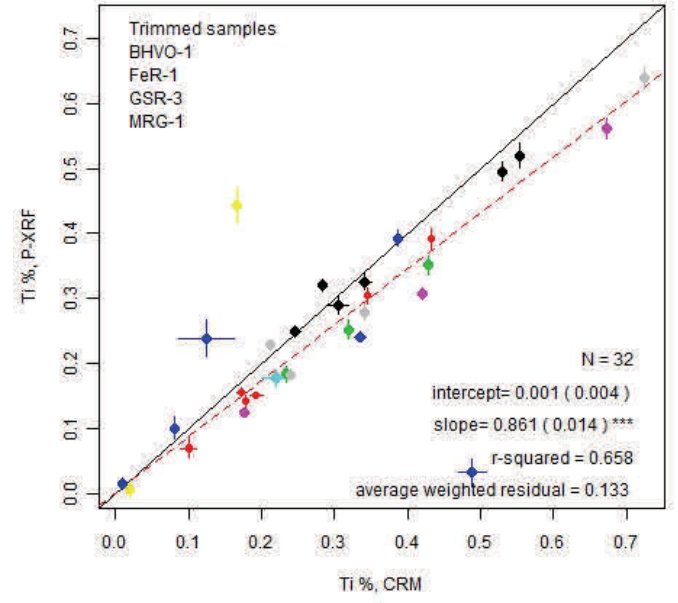
Bench Top-BTBS-Soil Mode



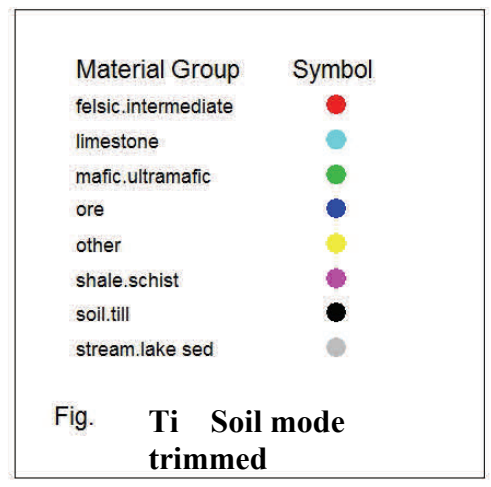
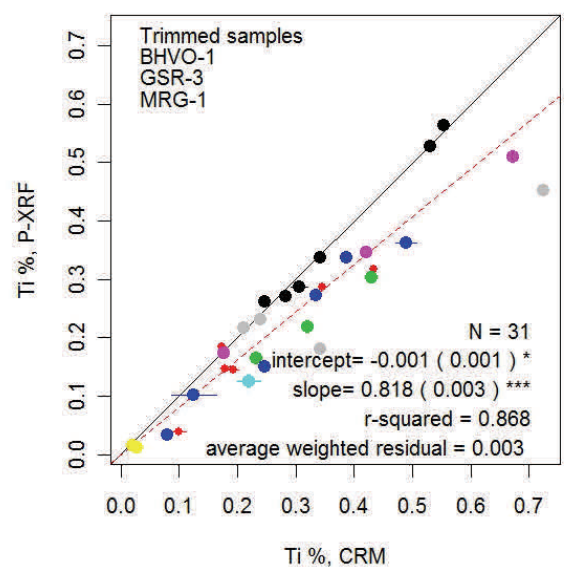
Handheld-HHAS-Soil Mode



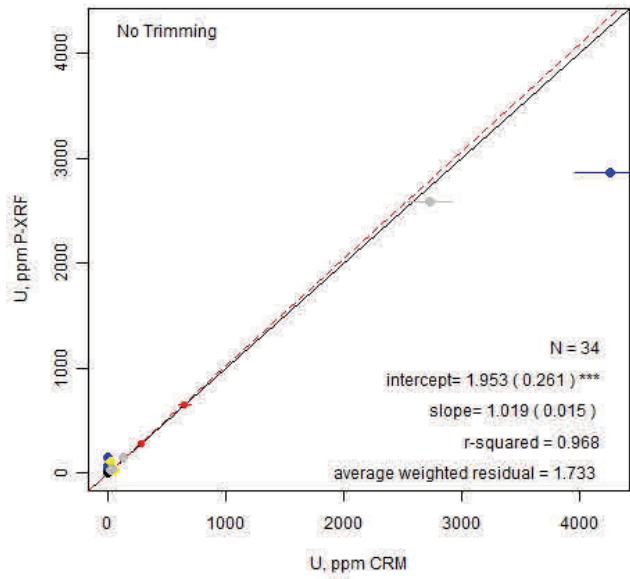
Handheld-HHBS-Soil Mode



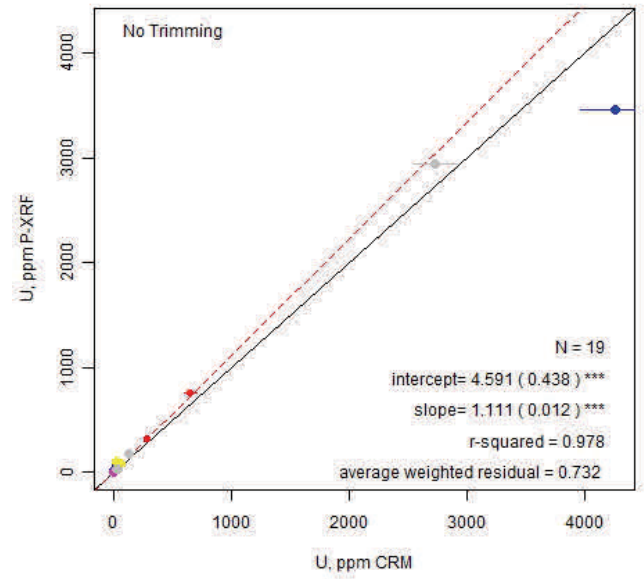
Handheld-HHCS-Soil Mode



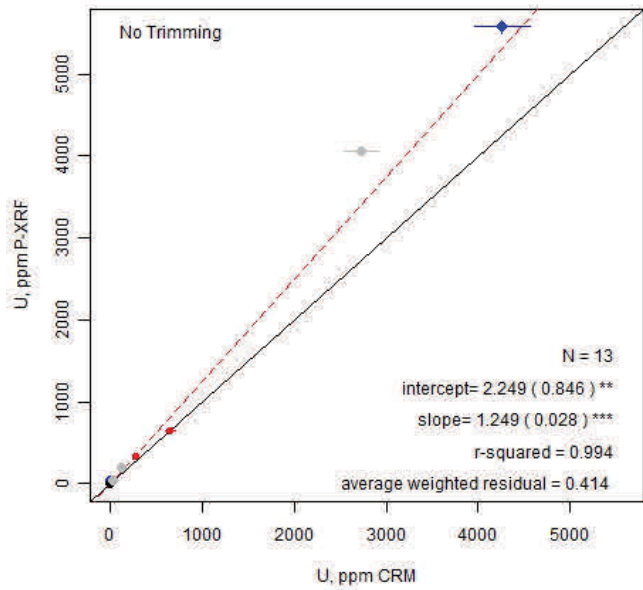
Bench Top-BTAS-Soil Mode



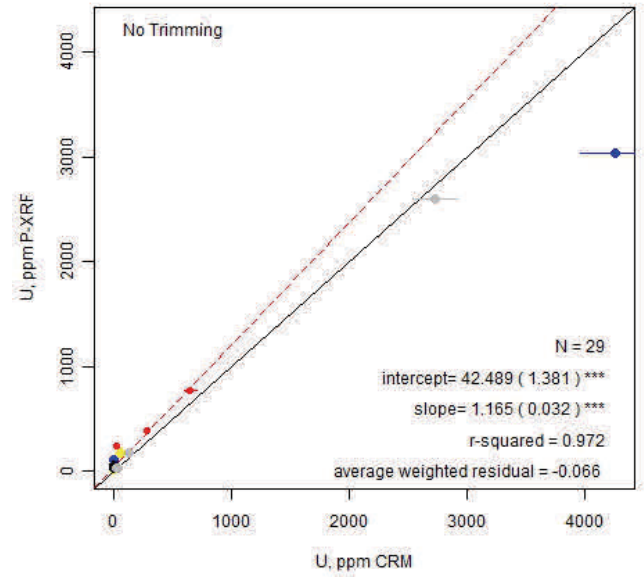
Bench Top-BTBS-Soil Mode



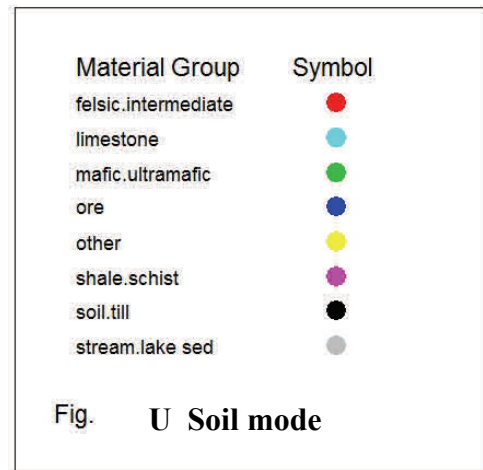
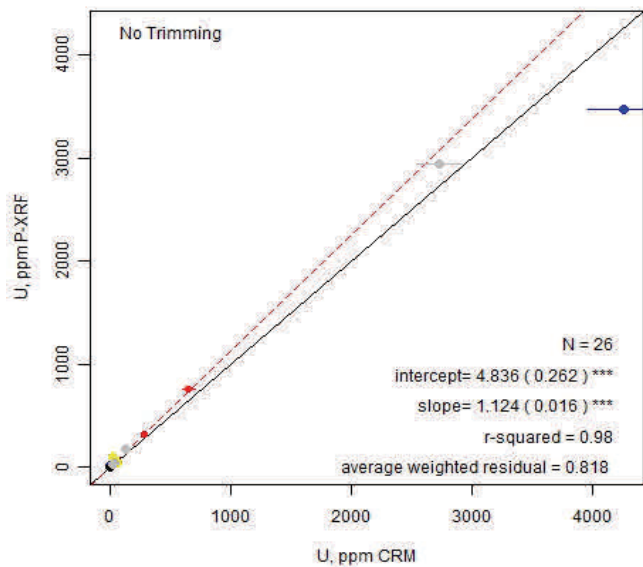
Handheld-HHAS-Soil Mode



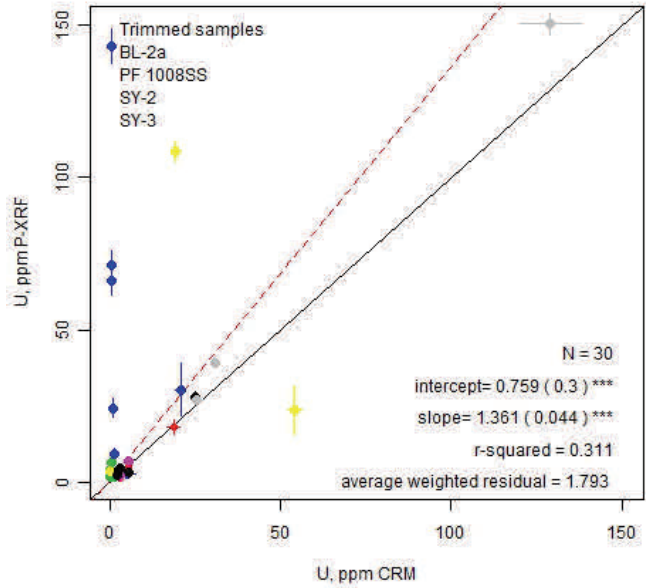
Handheld-HHBS-Soil Mode



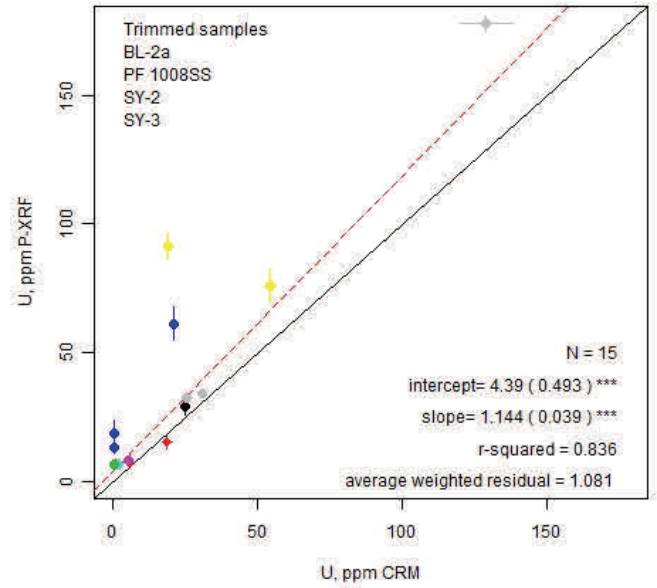
Handheld-HHCS-Soil Mode



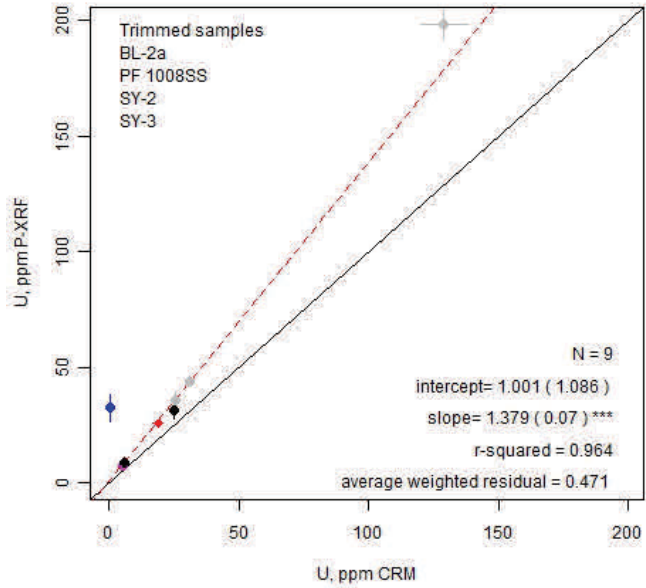
Bench Top-Machine A-Soil Mode



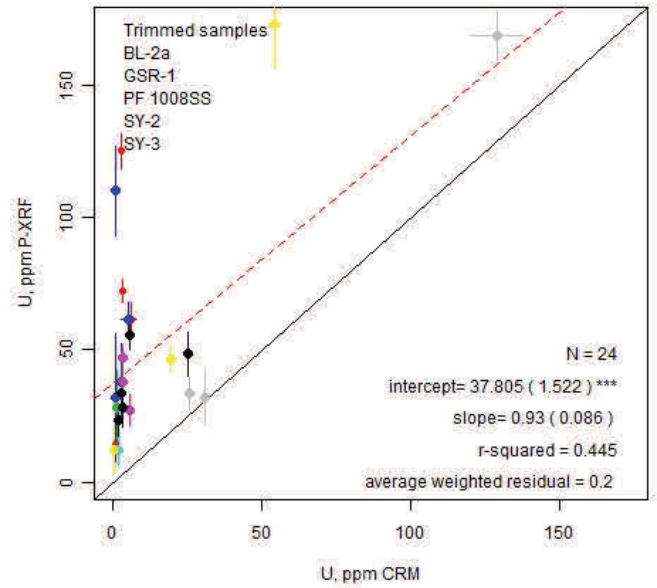
Bench Top-BTBS-Soil Mode



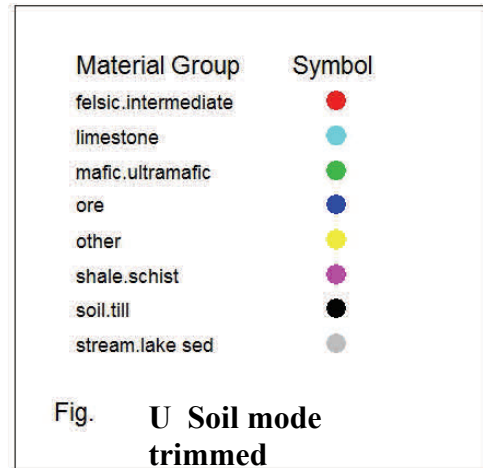
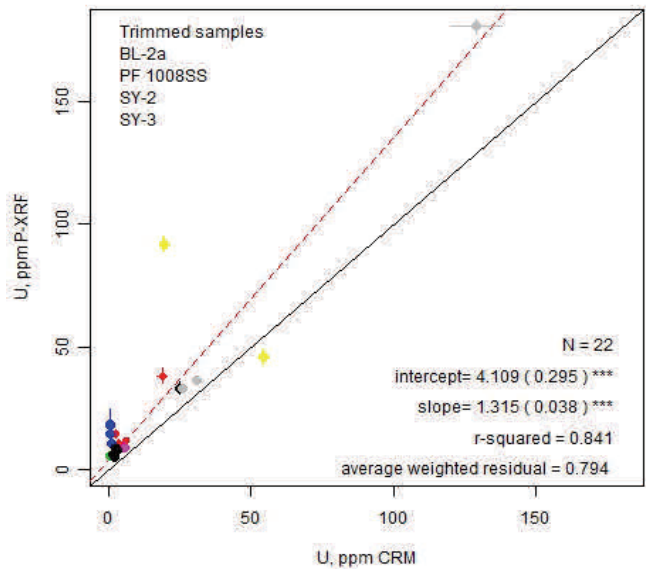
Handheld-HHAS-Soil Mode



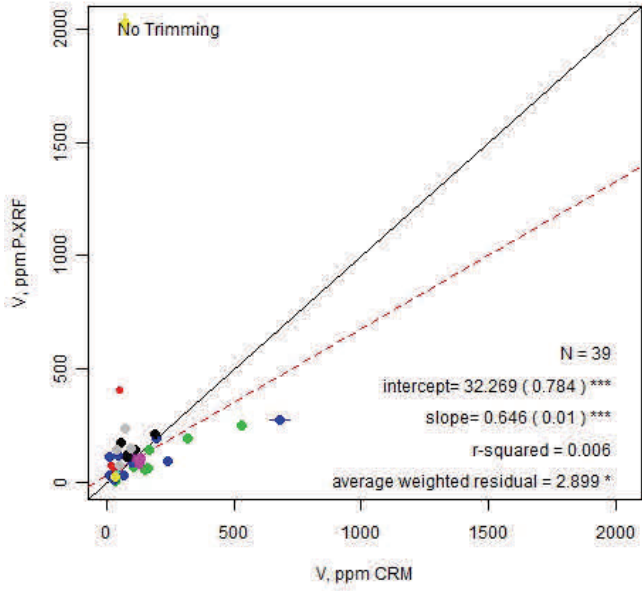
Handheld-HHBS-Soil Mode



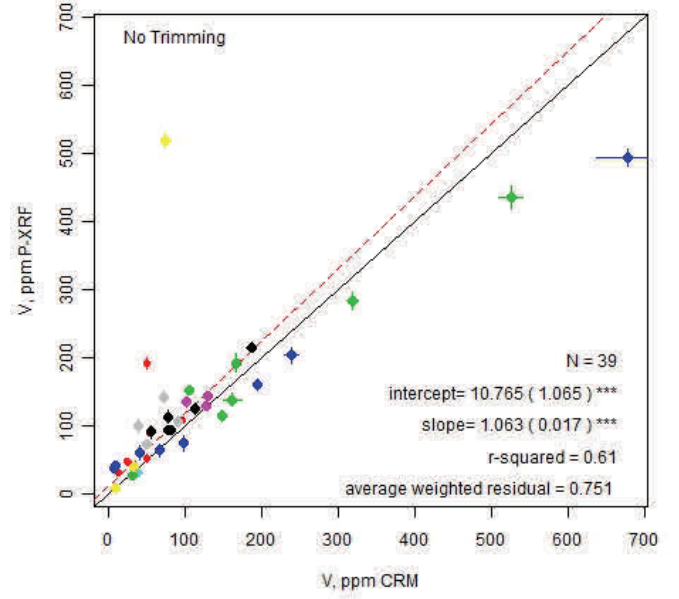
Handheld-HHCS-Soil Mode



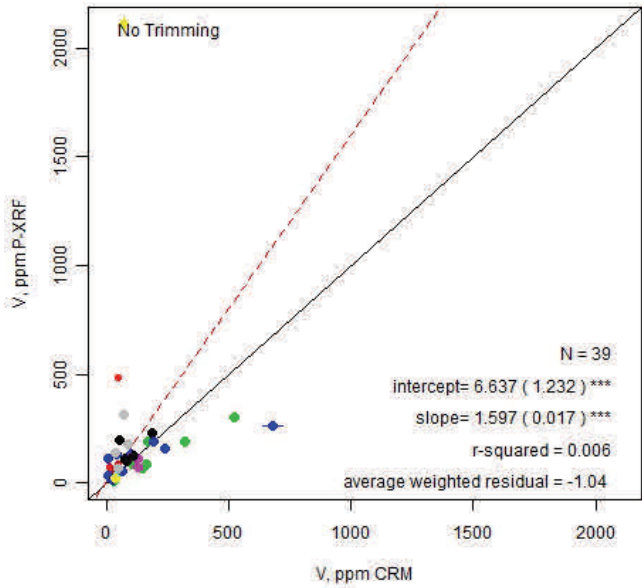
Bench Top-BTAS-Soil Mode



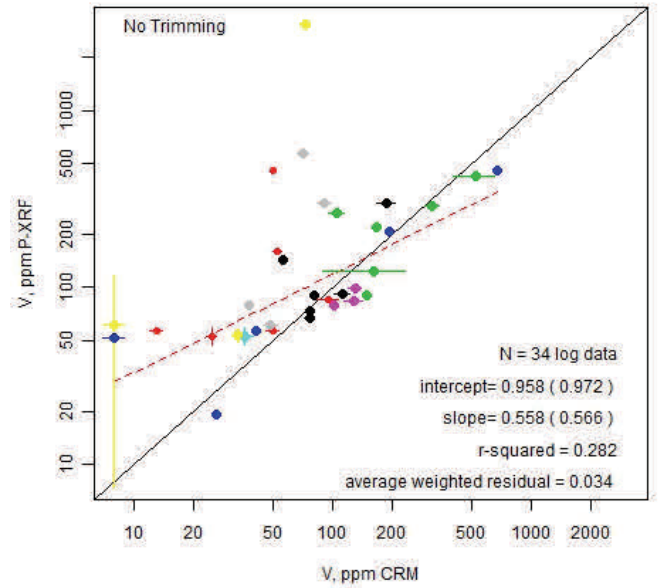
Bench Top-BTBS-Soil Mode



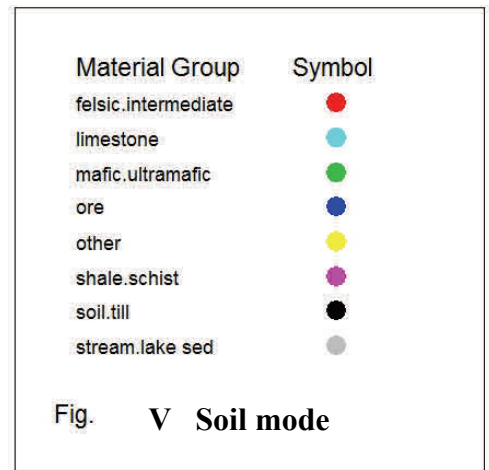
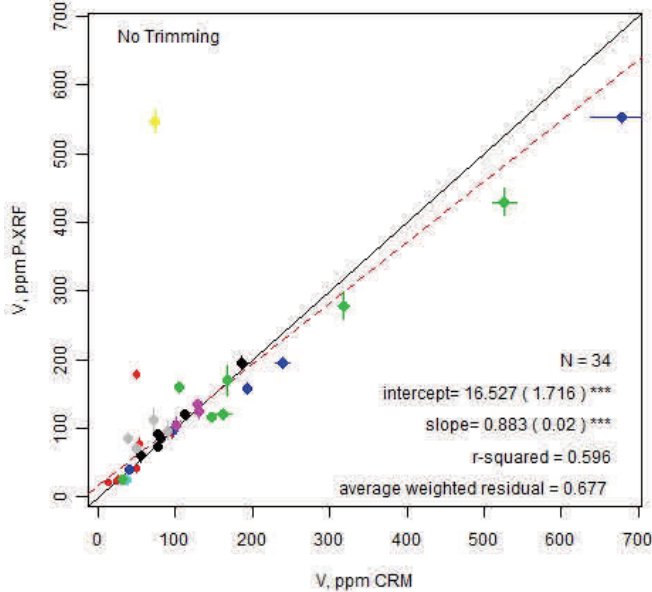
Handheld-HHAS-Soil Mode

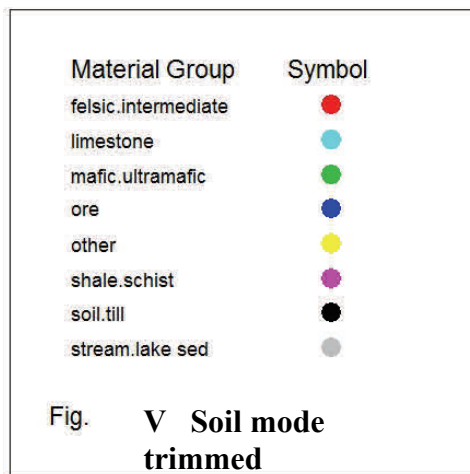
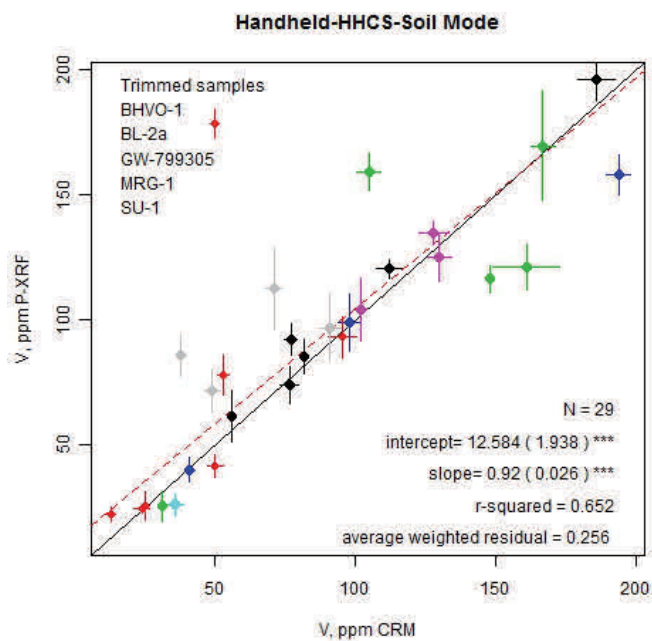
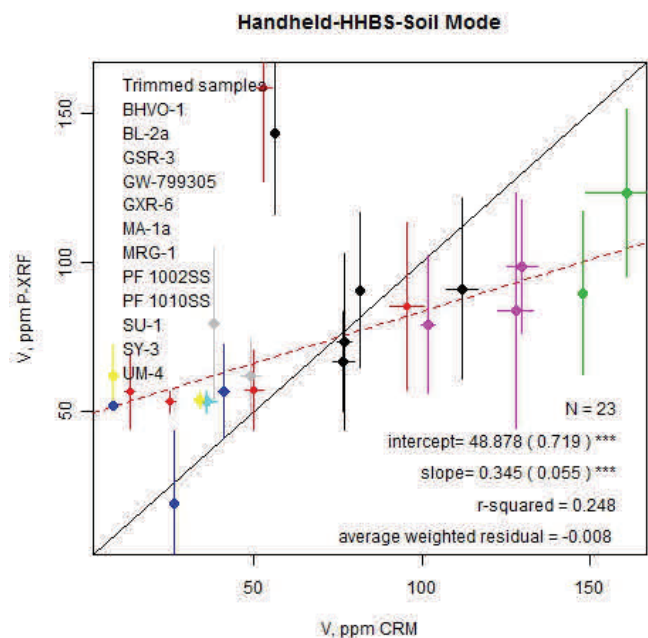
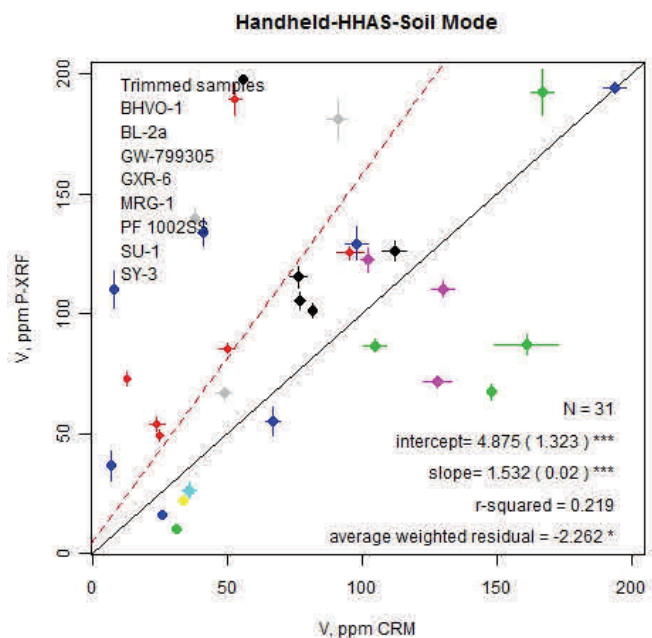
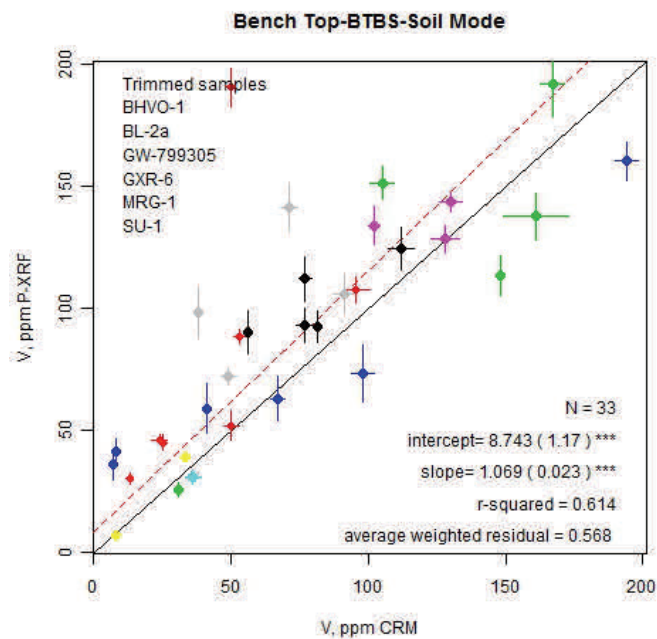
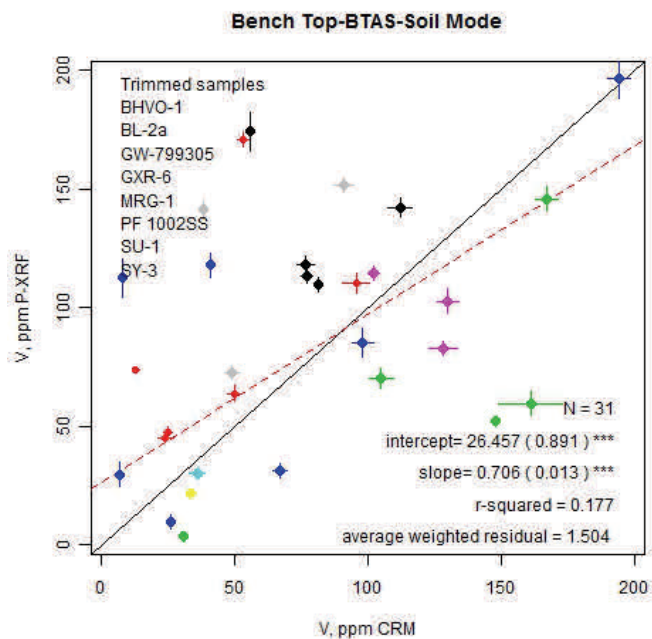


Handheld-HHBS-Soil Mode

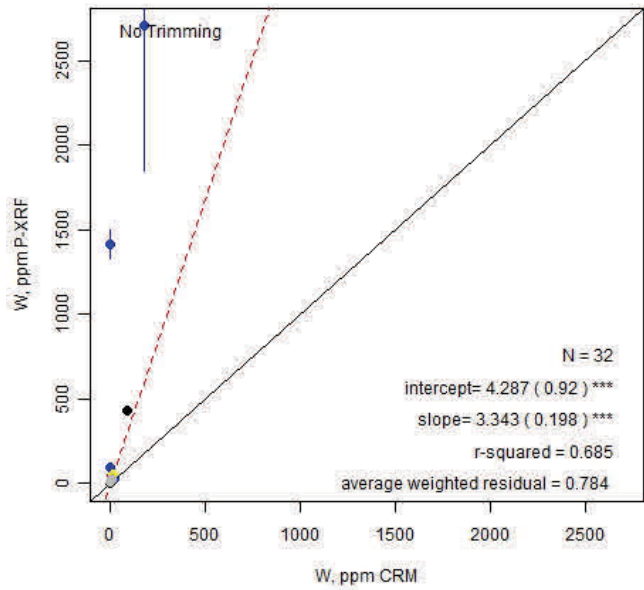


Handheld-HHCS-Soil Mode

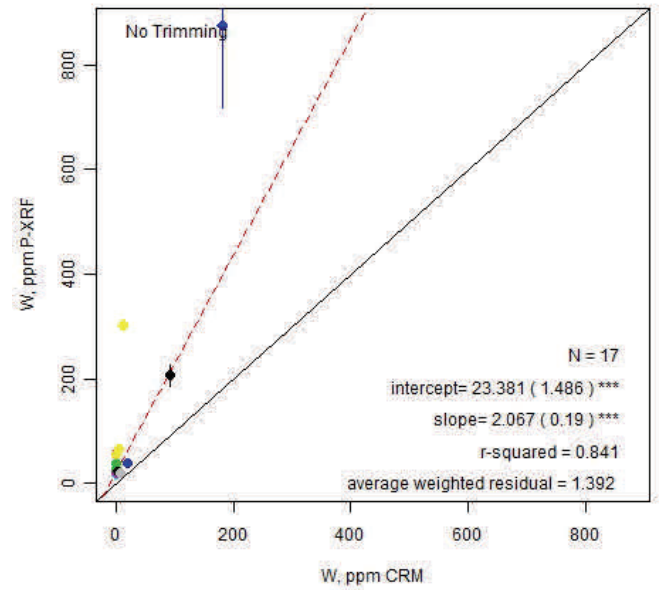




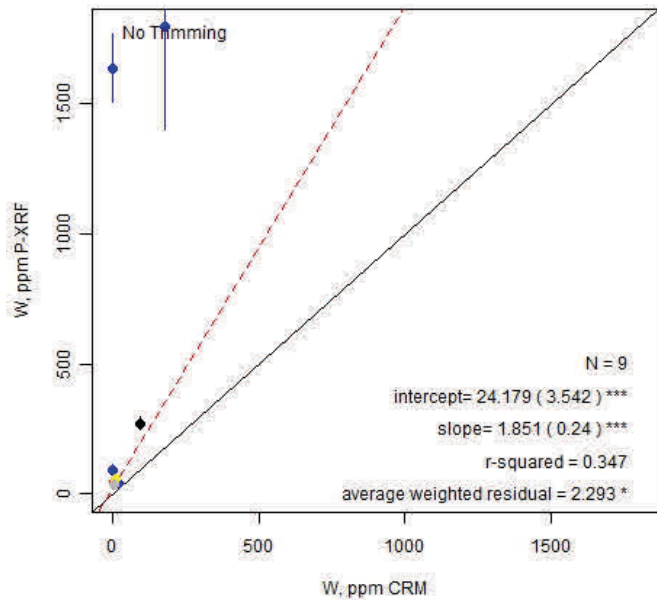
Bench Top-BTAS-Soil Mode



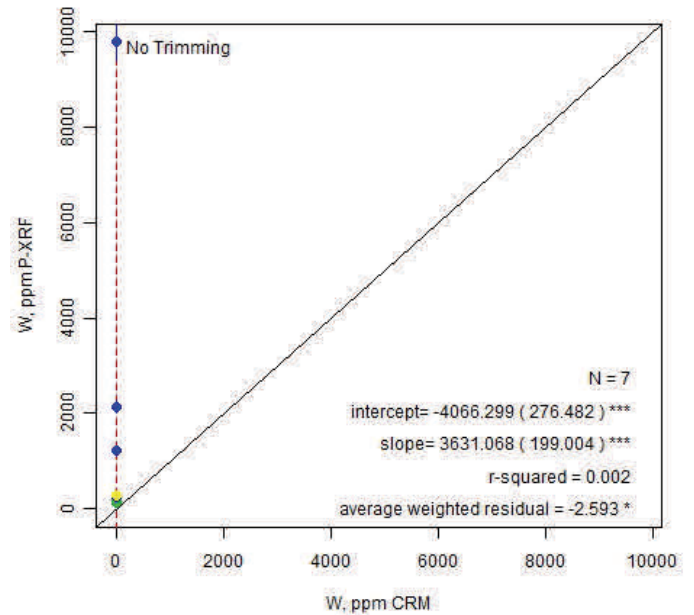
Bench Top-BTBS-Soil Mode



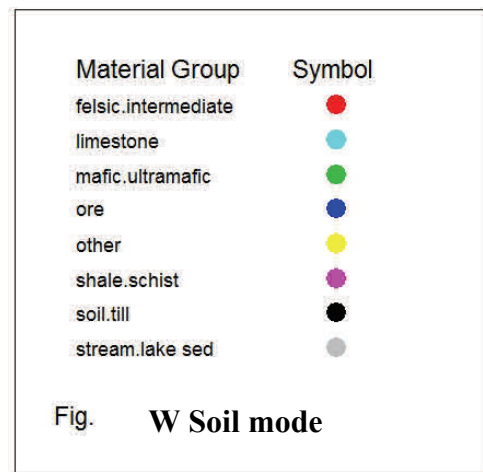
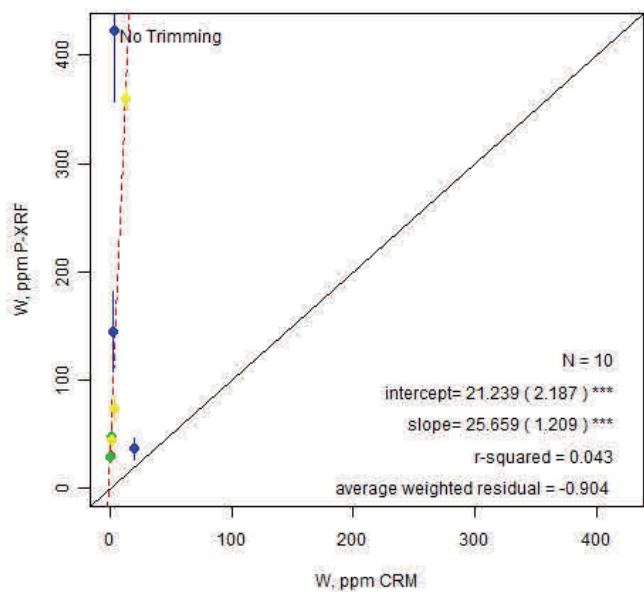
Handheld-HHAS-Soil Mode



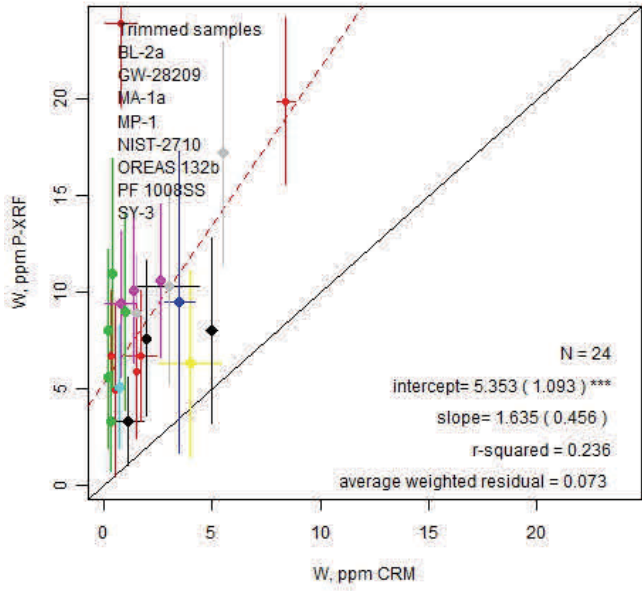
Handheld-HHBS-Soil Mode



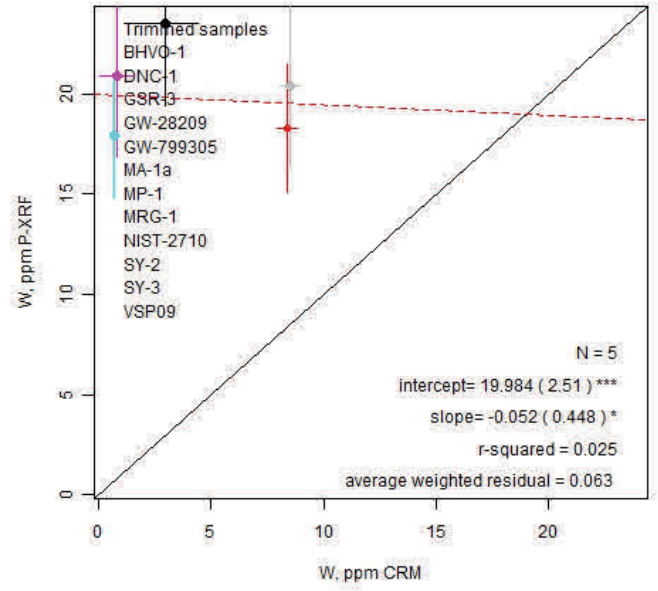
Handheld-HHCS-Soil Mode



Bench Top-Machine A-Soil Mode

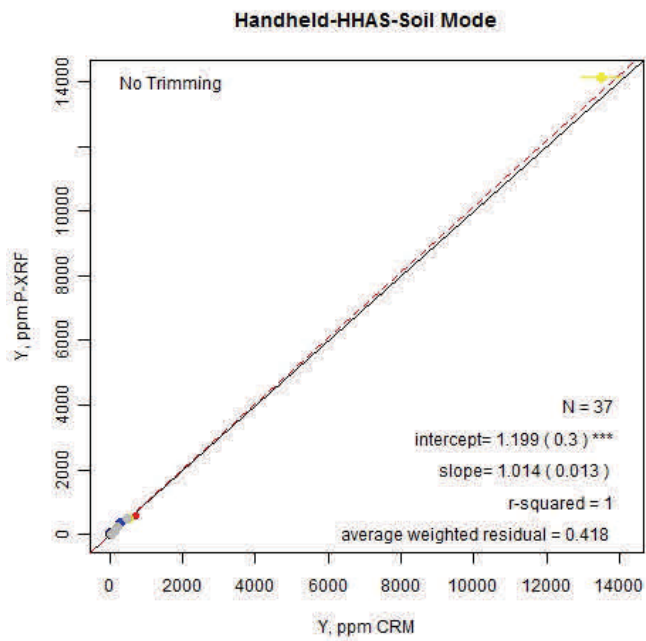
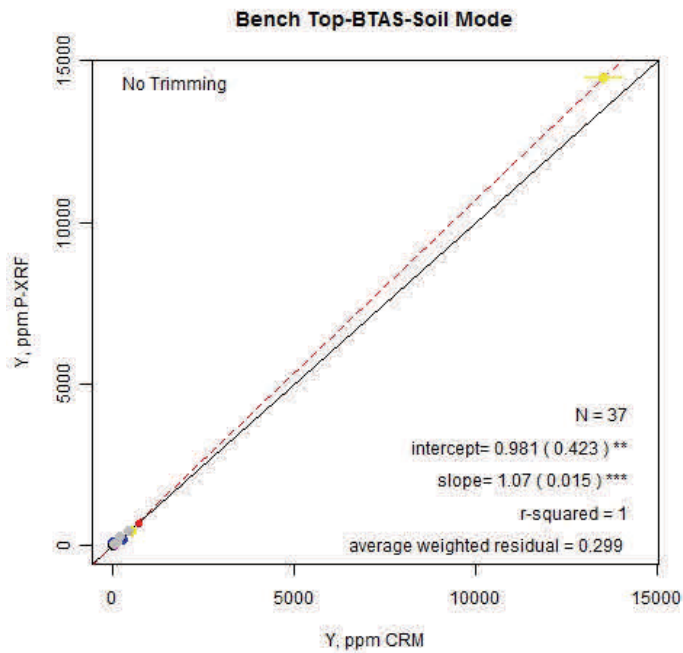


Bench Top-BTBS-Soil Mode



Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

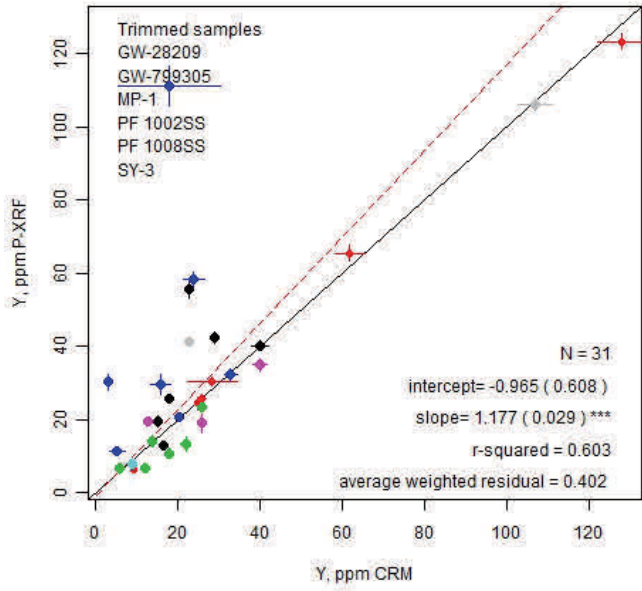
Fig. W Soil mode trimmed



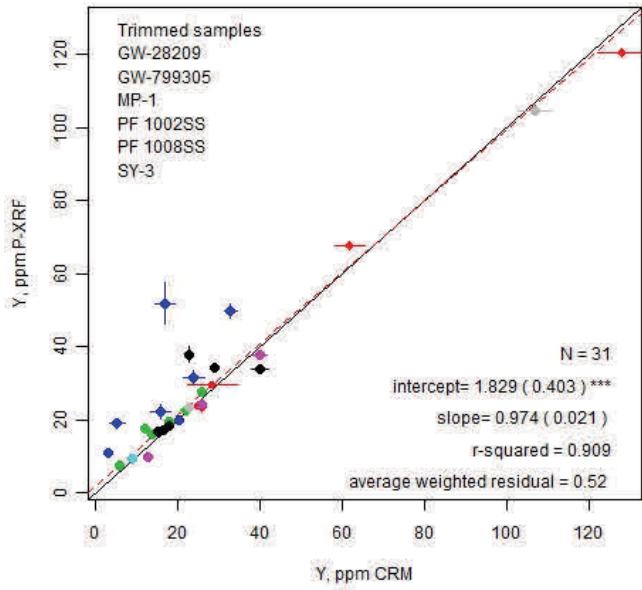
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Y Soil mode

Bench Top-BTAS-Soil Mode



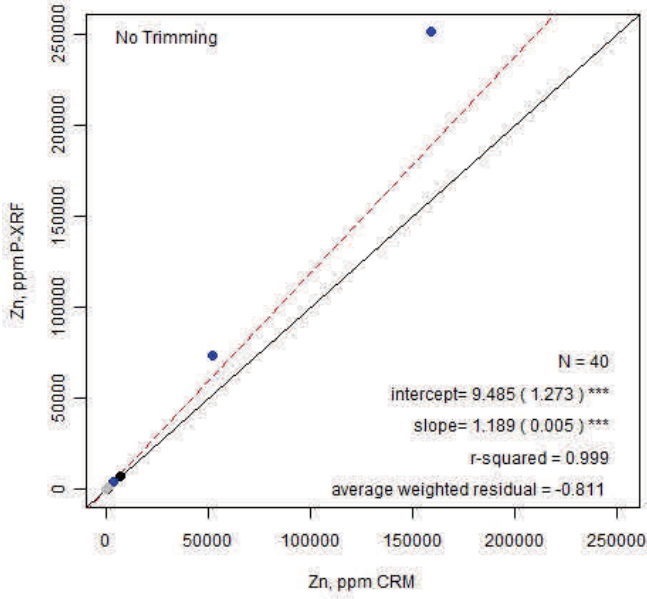
Handheld-HHAS-Soil Mode



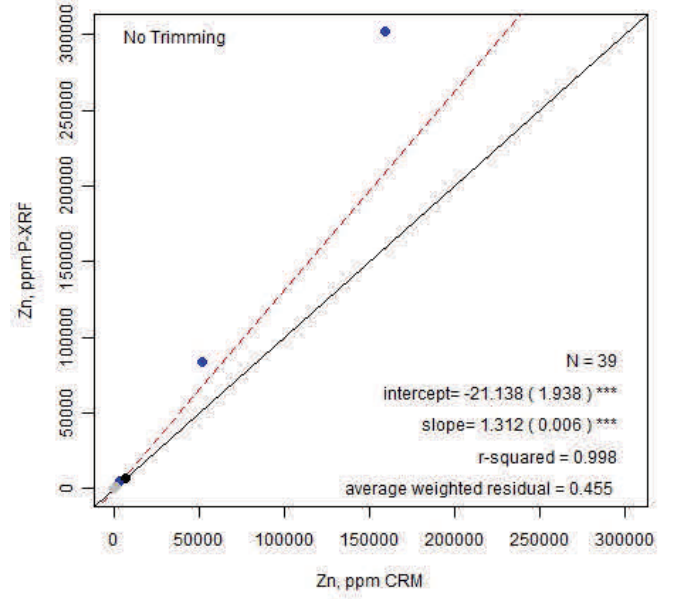
Material Group	Symbol
felsic.intermediate	●
limestone	●
mafic.ultramafic	●
ore	●
other	●
shale.schist	●
soil.till	●
stream.lake sed	●

Fig. Y Soil mode trimmed

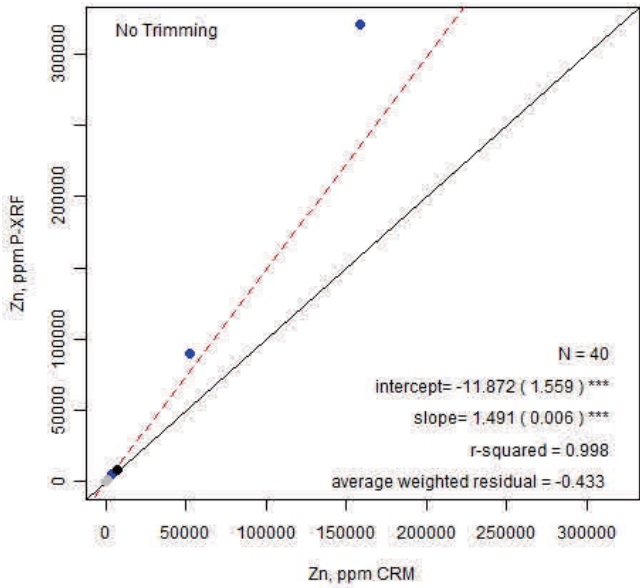
Bench Top-BTAS-Soil Mode



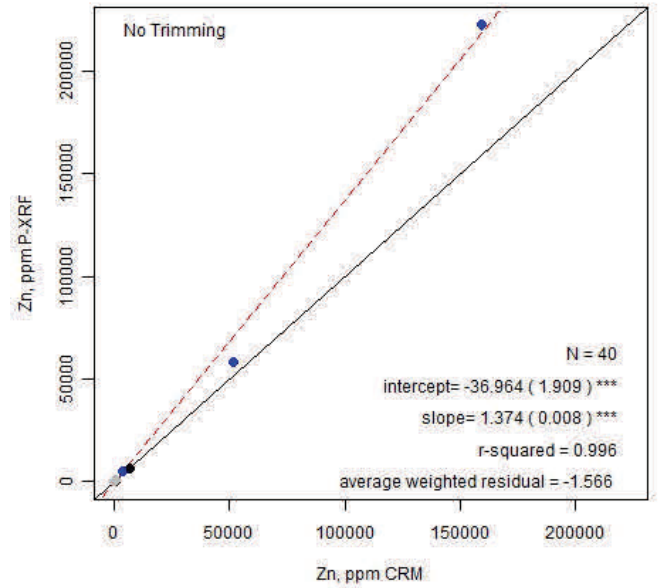
Bench Top-BTBS-Soil Mode



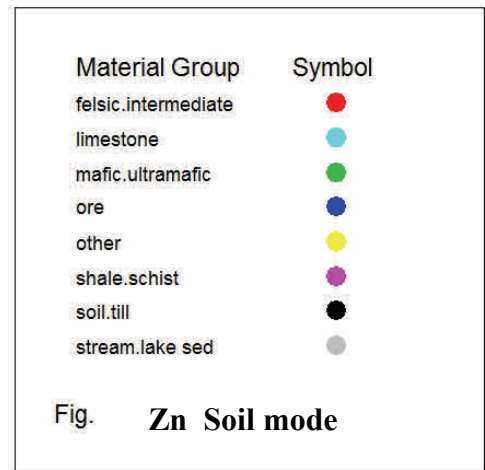
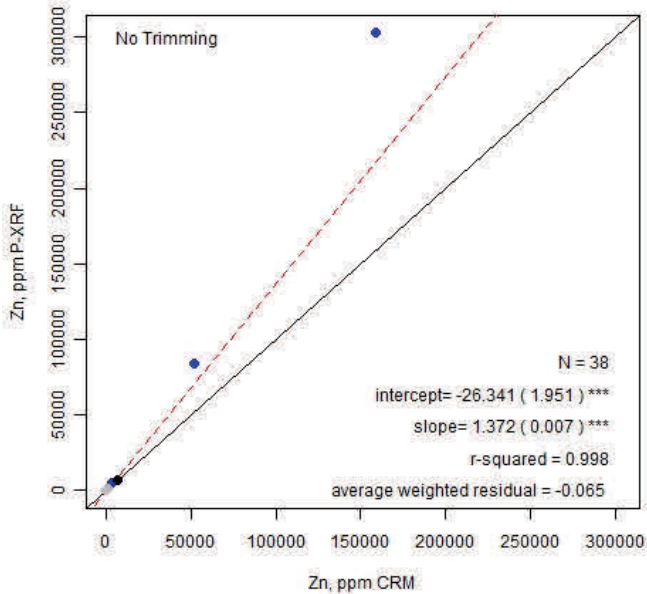
Handheld-HHAS-Soil Mode



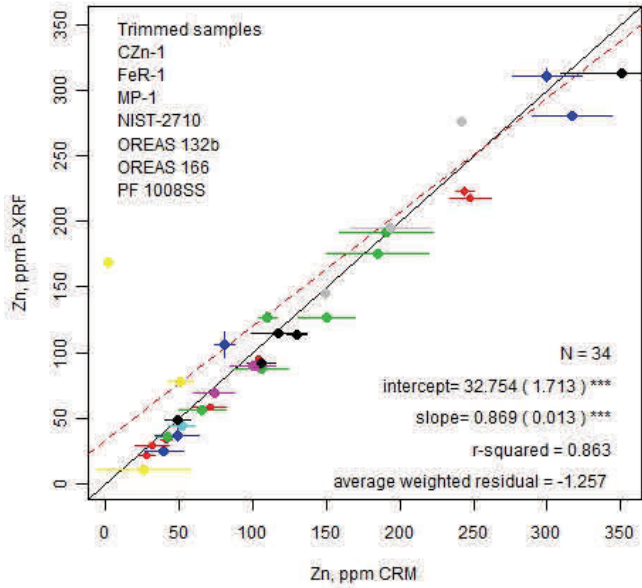
Handheld-HHBS-Soil Mode



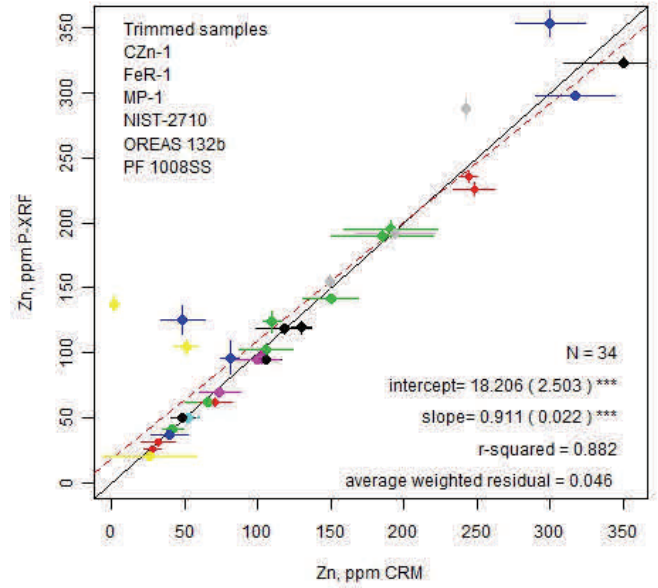
Handheld-HHCS-Soil Mode



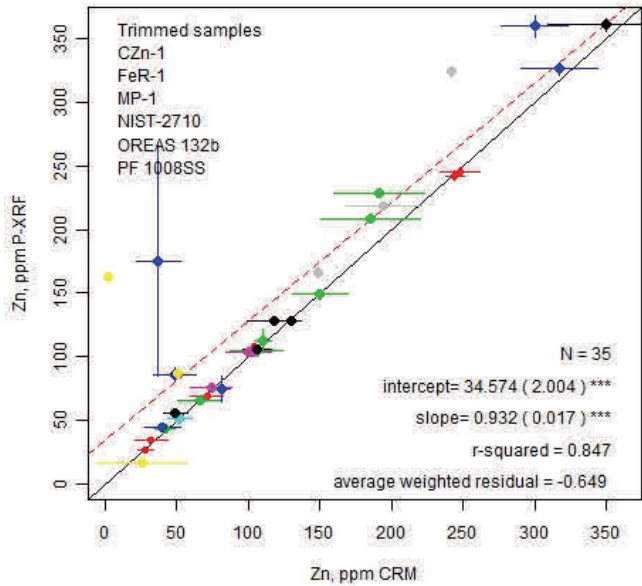
Bench Top-Machine A-Soil Mode



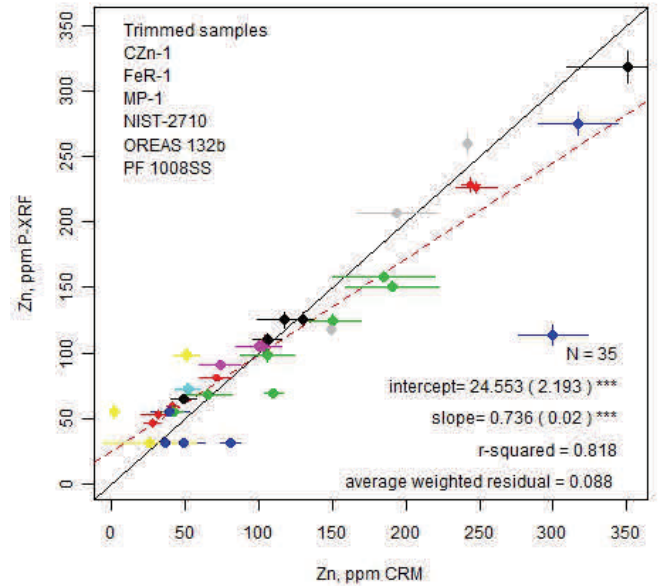
Bench Top-BTBS-Soil Mode



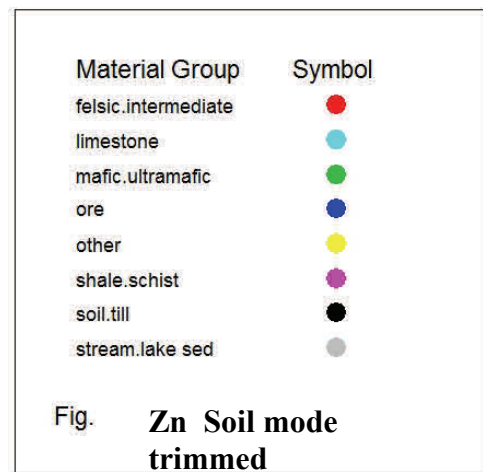
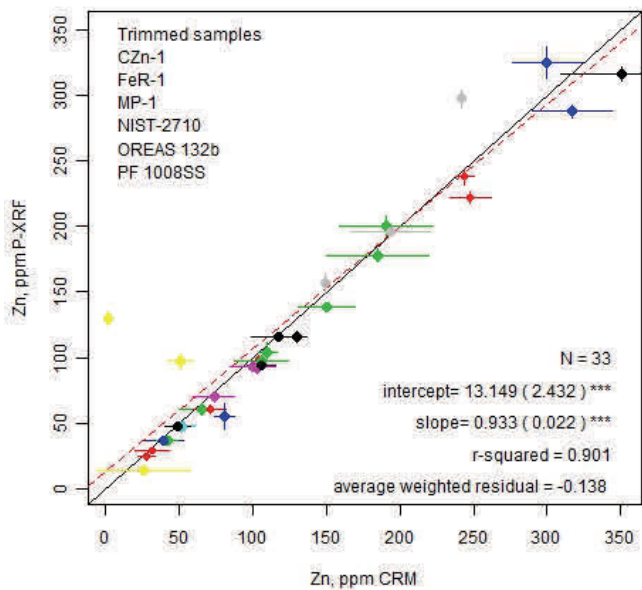
Handheld-HHAS-Soil Mode



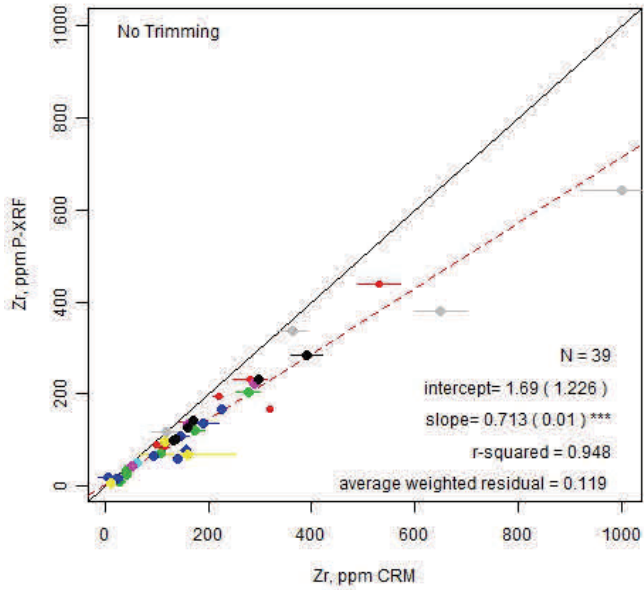
Handheld-HHBS-Soil Mode



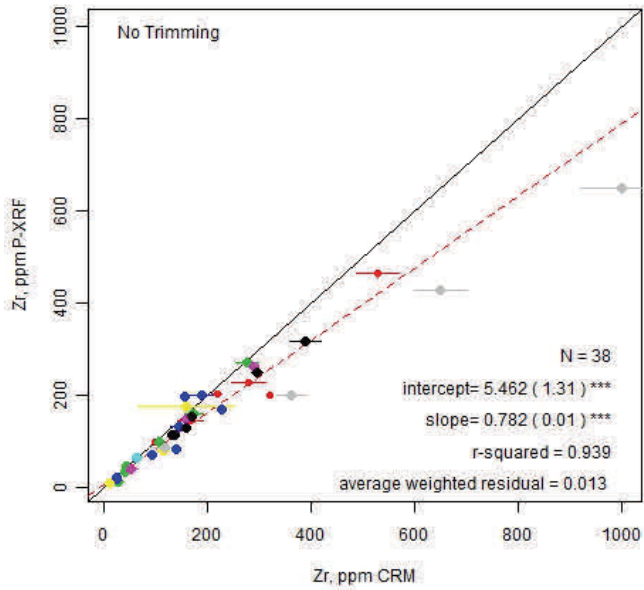
Handheld-HHCS-Soil Mode



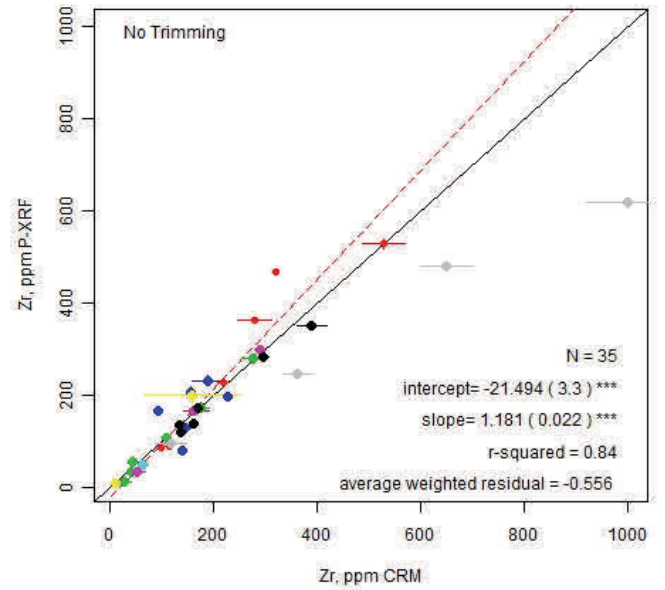
Bench Top-BTAS-Soil Mode



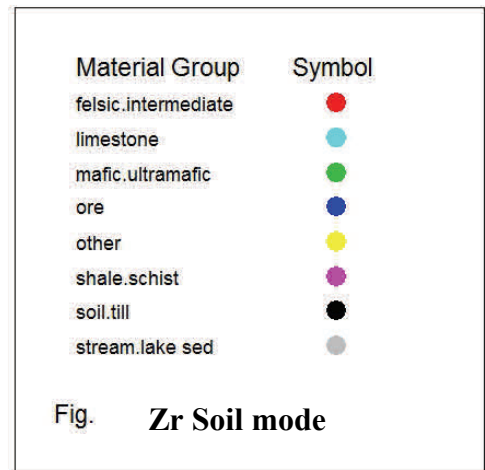
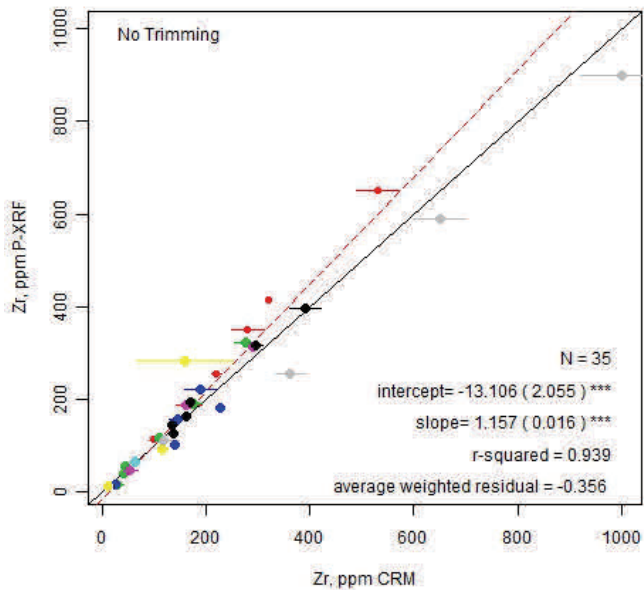
Handheld-HHAS-Soil Mode



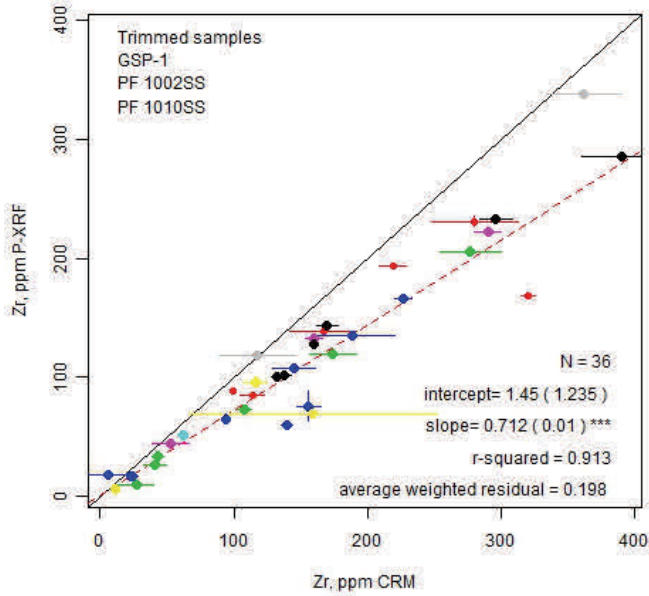
Handheld-HHBS-Soil Mode



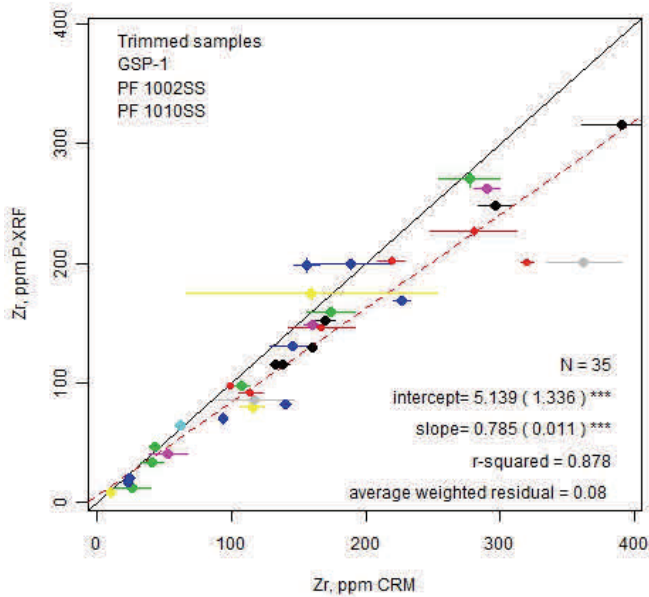
Handheld-HHCS-Soil Mode



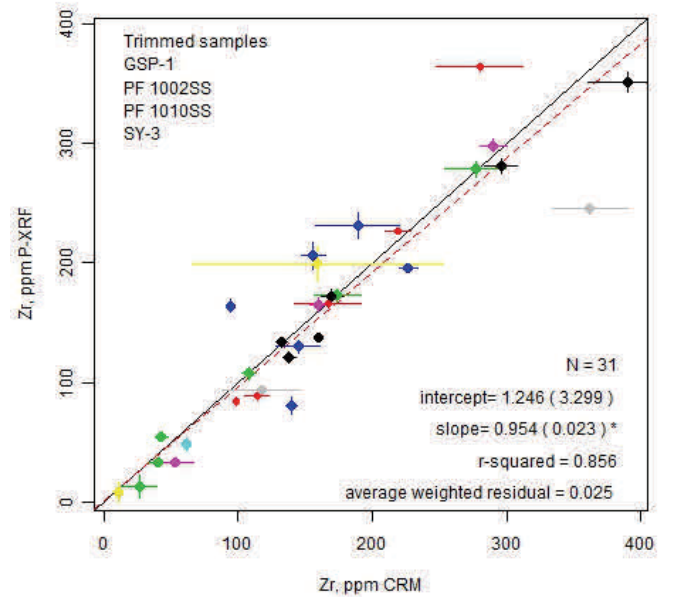
Bench Top-Machine A-Soil Mode



Handheld-HHAS-Soil Mode



Handheld-HHBS-Soil Mode



Handheld-HHCS-Soil Mode

