



Date Submitted: 09-Jun-15
Invoice No.: A15-04151-ReAssay
Invoice Date: 16-Sep-15
Your Reference: COOK AREA TILL SAMPLING

MINNESOTA DEPT OF NAT RESOURCES
500 LAFAYETTE RD BOX 45
ST PAUL MN 55155-4045
United States

ATTN: Don Elsenheimer

CERTIFICATE OF ANALYSIS

138 Soil samples were submitted for analysis.

The following analytical package was requested:

Code 1C-Exp Fire Assay-ICP/MS
Code 4LITHO (11+) Major Elements Fusion ICP(WRA)/Trace Elements Fusion
ICP/MS(WRA4B2)

REPORT A15-04151-ReAssay

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Notes:

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag. Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D. Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information.
Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1. Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

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Emmanuel Esemé, Ph.D.
Quality Control

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Results

Analyte Symbol	Pd	Pt	Au
Unit Symbol	ppb	ppb	ppb
Lower Limit	1	1	2
Method Code	FA-MS	FA-MS	FA-MS
CATS-007	1	2	< 2
CATS-012	7	< 1	< 2
CATS-015	1	< 1	< 2
CATS-025	2	1	3
CATS-027	1	< 1	< 2
CATS-028	9	< 1	25
CATS-039	5	< 1	< 2
CATS-051	4	1	< 2
CATS-056	1	< 1	< 2
CATS-059	1	< 1	7
CATS-061	3	1	4
CATS-062	1	1	< 2
CATS-063	1	< 1	< 2
CATS-067	1	< 1	< 2
CATS-072	1	< 1	< 2
CATS-073	1	< 1	< 2
CATS-087	1	< 1	< 2
CATS-092	12	< 1	< 2
CATS-093	1	< 1	5
CATS-099	1	< 1	< 2
CATS-108	2	< 1	< 2
CATS-112	1	1	< 2
CATS-306	1	< 1	< 2
CATS-311	1	< 1	< 2
CATS-314	1	< 1	3
CATS-315	1	< 1	8
CATS-316	1	< 1	8
CATS-317	1	< 1	2
CATS-320	1	< 1	2
CATS-333	1	< 1	9

QC

Analyte Symbol	Pd	Pt	Au
Unit Symbol	ppb	ppb	ppb
Lower Limit	1	1	2
Method Code	FA-MS	FA-MS	FA-MS
CDN-PGMS-25 Meas	1900	415	514
CDN-PGMS-25 Cert	1830	400	483
CATS-061 Orig	3	1	3
CATS-061 Dup	2	1	5
CATS-108 Orig	2	1	< 2
CATS-108 Dup	2	< 1	< 2
Method Blank	< 1	< 1	< 2