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Submitted on behalf of: Detour Gold Corporation

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**Assessment Report on the 2010 Geochemical Survey
(MMI), North Detour Area.**

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1. Introduction

The Detour Lake property was acquired from Pelangio Mines in 2007 by Detour Gold Corporation. Since then the property has been the subject of over 400 000m of definition diamond drilling, all focused on the historically producing Detour Lake Mine. The Company has advanced this deposit past feasibility stage and intends to begin construction in late 2010. In addition to the 11 million ounce (In-pit reserve, \$850 Gold Price as per feasibility study published in 2010) Detour Gold holds roughly 514km² of claims and leases offering great exploration potential for similar mineralization.

In the summer of 2010, a large-scale, surface geochemical survey was commissioned, utilizing the proprietary mobile metal ion (MMI) analysis. MMI involves sampling the soil and clay for loosely held metal ions, suggested to occur directly above a mineralized body. The engine for the vertical migration of these ions is thought to be related to the thermal gradient experienced within the earth's crust. MMI has been widely used for several years, and a study undertaken in 2006 as part of the Abitibi Geoscience Initiative proved the technique useful in the Abitibi region in targeting large scale gold mineralization in boreal environments with lower false anomalies than traditional geochemistry (e.g aqua-regia)

In preparation for the study an orientation survey was completed in May of 2010 over known mineralization within the proposed Detour Lake \$850 pit shell. The details of this study are not within the scope of this report, apart from mentioning that the results were positive in defining a baseline for the assay results and in proving the effectiveness of the technique in the region.

Of note, a similar test was undertaken by Pelangio Mines, under the direction of Mr. Kevin Filo (P.Geo) in 2005 , who at the time recommended the technique be applied to the rest of the property to assist in exploration efforts.

The survey was regional in nature, covering almost the entirety of the Detour Gold land holdings; this report serves to describe only the work done to the north of the proposed \$850 Detour Lake open pit. For the purposes of this report the area is referred to as the North Detour Area. The area covered by this report is outlined in the key map below.

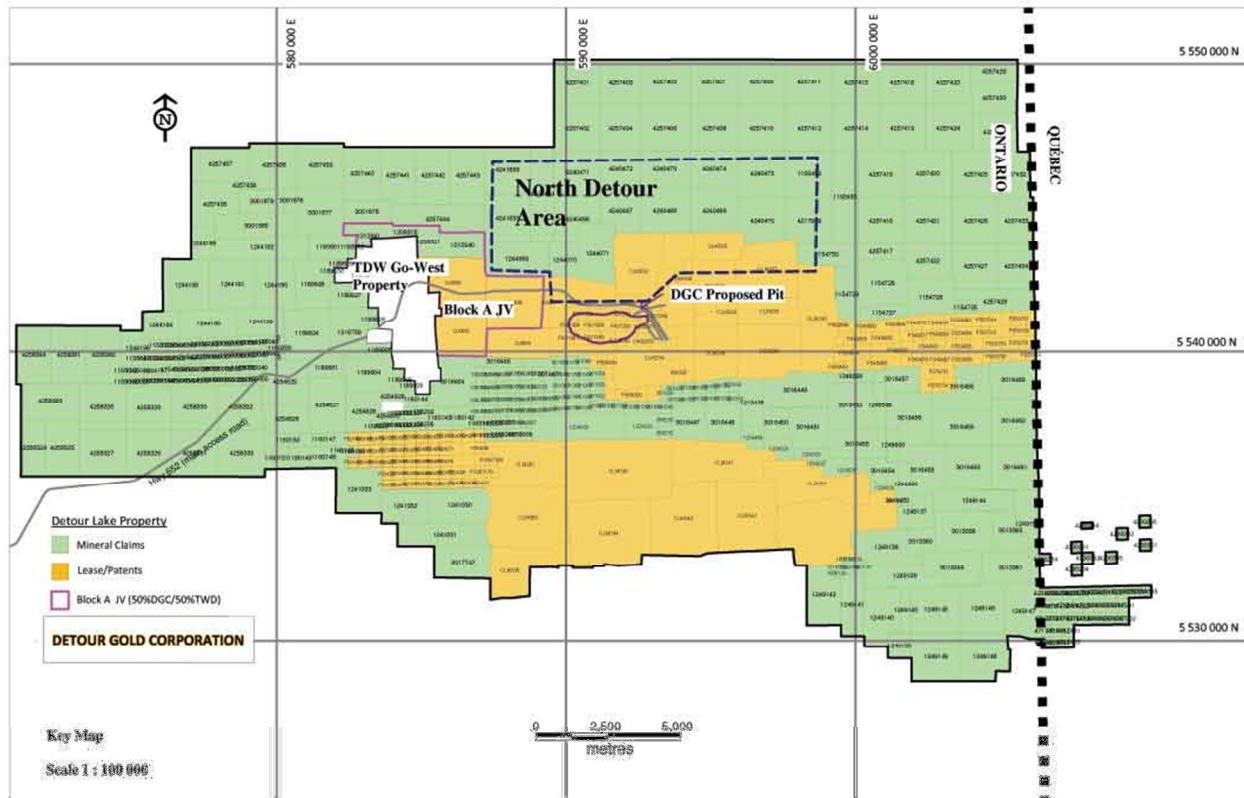


Figure 1: Key Map

2. Property Geology and Historical Exploration

The area covered by this assessment report covers a large range of rock types and structural features. The southernmost part of the work area is essentially the extreme northern extent of the upper detour lake formation. These mafic flows are part of the same series of inter-bedded and deformed massive and pillowed flows that host the Detour Lake gold deposit. The lithology strikes east-west and is occasionally bound by parallel, sub vertical D2 faults. The mafic sequence is bound to the north by more felsic to intermediate sequences of flows and tuffs. This package is up to 1km thick and east-west trending as the unit below. The area is cut and offset by a large, late north-west/south-east trending fault. Although all units strike roughly east west, they curl to the north slightly as one moves away from this late fault. To the north of the felsic tuffs/volcanics, there is a repeat of the lower detour type mafic flows before a large, extensive basement gneiss unit becomes pervasive. Apart from the volcanic sequences, there is a large

intrusive body that is emplaced within the volcanics to the south and east, just east of the large fault previously described. The intrusive is zoned and varies in composition from monzodiorite to more gabbroic material. The intrusive seems to be bounded by D2 faults and is older than the very recent intrusives.

Very little outcrop is observed in the area, and most information pertaining to the geology is based on the study of the regional airborne magnetic surveys, conducted as part of the Discover Abitibi initiative. The regional mag was compared to known magnetic signatures of Detour Lake type volcanics.

Very little serious exploration has taken place over the area in question, attention was historically focused on the strike extent of the volcanic packages closer to the Sunday Lake Deformational Zone (SLDZ). The extreme south of the study area includes the strike extent of the North Walter Lake (NWL) trend, a gold mineralized structure parallel but 1.2km to the north of the SLDZ. The NWL zone has been drilled off by Tradewinds Ventures and forms part of their \$700 resource pit developed in 2009. The feature is of interest as it displays a dextral movement in contrast to the main Detour Lake deposit, which has a sinistral movement. The structure is thought to be related to the North Walter Lake synform, of which the eastern extent is covered by the MMI survey. Immediately to the south and west of the soil survey the mafics remain mineralized and deformed.

Detour Gold has tested several structural lineaments north of the enclosed proposed \$850 pit as part of their condemnation drilling program. Although sporadic, narrow Au-hosting quartz-carbonate veining has been encountered, no significant mineralization comparable to the Detour Lake deposit has been intersected. The structural complexity and severity of deformation as well as alteration seems to decrease north of the proposed pit. That said, several strong structures in the same mafic host rocks that occur within the Detour deposit remain untested and are the subject of the MMI survey. The results will be considered in conjunction with the airborne magnetic and may be supplemented by further work, including IP surveys and diamond drilling.

The area offers untested exploration potential, and the MMI survey of 2010 will be the first step in this process.

3. 2010 Regional MMI Survey

The survey began June 2010 and was completed by early October 2010.

The sampling protocol was developed after conducting 2 orientation surveys in May of 2010. The orientation surveys were supervised by Dallas Davies, P.Geo (exploration consultant) in order to determine at which horizon the majority of metal ions were accumulating. Samples were taken every 10cm for 40cm. Graphs were then generated over the known mineralization to see which depth showed the largest spike in gold values. Different sampling methods were also attempted (shovel vs auger) to note any change in anomaly detection.

Mr. Davies helped to create a valid sampling protocol, by analyzing the final results of the orientation. The protocol with the best MMI response over known mineralization was defined as follows:

- Remove all organic material using a broad shovel to expose 50cm diameter of clay or silt. Humus was often well over 1 metre in depths and in certain areas it was too deep to allow for sampling, such sites we adjusted in location until a sample could be retrieved.
- Remove the first 10cm of material below the organic horizon, carefully exclude any organics which might attach to the clay. In this step a “dutch auger” proved to be the best tool. The auger was cleaned by plastic brush after each sampling.
- The location of the sample was recorded, as well as a description of the water content, colour, grain size of the clay or silt.
- The sample was bagged in a large “Ziploc” bag and sent for assay with no drying or further preparation. About 250gm of clay/silt was taken at each site.
- Consistency in depth and sample size was stressed during training of the soil samplers.

The sampling was undertaken by a team of 8 summer students, and supervised by the Detour Project Geologist. The samples were shipped to SGS’s Don Mills lab in Toronto Ontario for assay.

The results were expressed as a ratio, by dividing the assay by observed background values.

This value was determined to be in the order of 0.1 ppb for Au analysis. The background was calculated during the orientation survey and was chosen by taking into account the baseline estimated from scatter plots of 1000+ samples, and the lowest quartile value. Au values that were significantly above the scatterplot baseline were then expressed as multiples of the background; this is termed the response ratio (RR) of a sample. Using the standard deviation statistic it was determined that the variability in results was in the order of 0.05-0.1 ppb. Duplicates, blanks and

standards were inserted at the lab, the results were monitored for discrepancies, and samples in question were re-run at Detour's request.

Due to very swampy conditions and the large area's to be covered, access was by means of helicopter support. On average 90-100 samples were collected per day. The survey was conducted only on 100% controlled Detour Lands and ended at the border of the Block A joint venture between Tradewinds and Detour Gold. The MMI assay technique is a multi-element process providing analysis for 54 elements. Initially only Au, Ag and Cu were added to the central G.I.S database, once the response ratio was calculated from the initial assay.

The complete suite of elements tested for and detection limits is tabled below.

Element	Units	DL
Ag	ppb	1
Al	ppm	1
As	ppb	10
Au	ppb	0.1
Ba	ppb	10
Bi	ppb	1
Ca	ppm	10
Cd	ppb	1
Ce	ppb	5
Co	ppb	5
Cr	ppb	100
Cs	ppb	0.5
Cu	ppb	10
Dy	ppb	1
Er	ppb	0.5
Eu	ppb	0.5
Fe	ppm	1
Ga	ppb	1
Gd	ppb	1
Hg	ppb	1
In	ppb	0.5
K	ppm	0.1
La	ppb	1
Li	ppb	5
Mg	ppm	1
Mn	ppb	10
Mo	ppb	5
Nb	ppb	0.5

Nd	ppb	1
Ni	ppb	5
P	ppm	0.1
Pb	ppb	10
Pd	ppb	1
Pr	ppb	1
Pt	ppb	1
Rb	ppb	5
Sb	ppb	1
Sc	ppb	5
Sm	ppb	1
Sn	ppb	1
Sr	ppb	10
Ta	ppb	1
Tb	ppb	1
Te	ppb	10
Th	ppb	0.5
Ti	ppb	3
Tl	ppb	0.5
U	ppb	1
V	ppb	NA
W	ppb	1
Y	ppb	1
Yb	ppb	1
Zn	ppb	20
Zr	ppb	5

Table 1: SGS MMI-M Analysis package

A total of 1810 samples were collected in this area and are plotted on a relevant claim/topo map. The map is attached as Figure 2 and references the sample number to the location of the sample and Table 2 includes a description of each sample site.

4. Cost Summary

A pro-rated cost was calculated in order to divide the work across the relevant claims. Table 2 below is a summary of the costs incurred during the sampling program. A figure of C\$76.35 was incurred as the total cost per sample for the work; certain negligible costs were excluded from this calculation.

Cost description	Cost per unit	No. of units	Total
Labour (8 geo-students)	\$18/hr	201.1	\$3,620
Assay Cost	\$33.95/sample	1810	\$61,449.50
Helicopter Support	\$40.40/sample	1810	\$73,124.00
Total			\$138,193.50

Table 2: Cost Summary

Sampling was continuous, and the dollar value per claim relates to the number of samples taken on that claim. The cost schedule is attached as part of the detailed assessment form submitted.

5. Results and Recommendations for Future Exploration

The results from the regional MMI survey are encouraging, with numerous anomalous response ratio's for gold observed. In time, results for all elements will be studied, but for the initial work (and this report) only Au is considered. The numerous mid-level response ratios (2-4 times background) and the larger 4< values are even more encouraging when they occur in successive sample points along the same line and in adjacent lines, lowering the chances of a false positive response.

The majority of the anomalies occur at an intrusive/mafic contact to the south and east of the study area. These anomalies are particularly interesting because they occur in lengthy sequences of 3 or more samples in a row, indicating over 150m width zones of anomalous values.

There are also 5 other anomalies, farther north, in both mafic and felsic units, some located along inferred D2 faults (inferred from aeromagnetic data formlines), often in a series of sequential high response values.

The results indicate several prospective targets for follow up, likely by IP survey. Targets showing positive IP and geochemical responses should be followed up with diamond drilling. Historical exploration in the Detour Lake area has indicated IP is very effective in defining disseminated sulphide mineralization and should be the next step in this under explored terrain.

6. References

1. Detour Gold Corporation, FEASIBILITY STUDY OF THE DETOUR LAKE PROJECT. 2010. NI-43 101 Document
2. Fedikow M.A, AQUA REGIA, MOBILE METAL IONS AND ENZYME LEACHSM SOIL GEOCHEMICAL SURVEY RESULTS FROM THE TIMMINS AREA: DISCOVER ABITIBI INITIATIVE. 2006. OFR 617
3. Fedikow M.A, A MOBILE METAL IONS (MMI-M) SOIL GEOCHEMICAL SURVEY ON PELANGIO'S BLOCK C PROJECT, ONTARIO: INTERPRETATIONS AND RECOMMENDATIONS, Internal Publication for Pelangio Mines Inc

7. Statement of Qualifications

This is to certify that,

I, Tyron Breytenbach am the person responsible for the management of this survey and author of the report. I reside at 55 Gilmour Ave, Toronto Ontario and have worked for Detour Gold Corporation as a full time employee since January 2009.

I am a graduate geologist of the Rand Afrikaans University, where I graduated with a B.Sc. (Honours) in 2004. I have been practicing my profession in South Africa, Australia, Guyana and Canada in a variety of capacities for the last 6 years.

I am currently in the process of registration with the Professional Geologists Association of Ontario and am working under a qualified person (Mr Roger Aubertin, Exploration Manager, P.Eng). I am also a member of the Prospectors and Developers Association of Canada.

The statements in this report are based upon field observations by myself and others, the study of pertinent records of the Ontario Geological Survey, geological reports and maps published by the Ontario Ministry of Northern Development and Mines, and data from work performed on the Detour Lake Properties of Placer Dome North America and previous owners.

Tyron Breytenbach, B.Sc.H



65475-0036 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PROPERTY DESCRIPTION: PCL 6534 SEC NEC; LOCATION RW 306 UNSURVEYED TERRITORY PT 1, 6R5062, CONTAINING 108.60 ACRES, MORE OR LESS; DISTRICT OF COCHRANE

PROPERTY REMARKS: CROWN GRANT SEE CP8533.

ESTATE/QUALIFIER:

FEE SIMPLE
 ABSOLUTE

RECENTLY:

FIRST CONVERSION FROM BOOK

PIN CREATION DATE:

2004/09/20

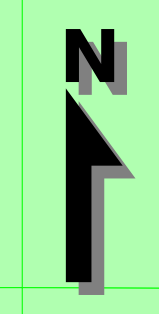
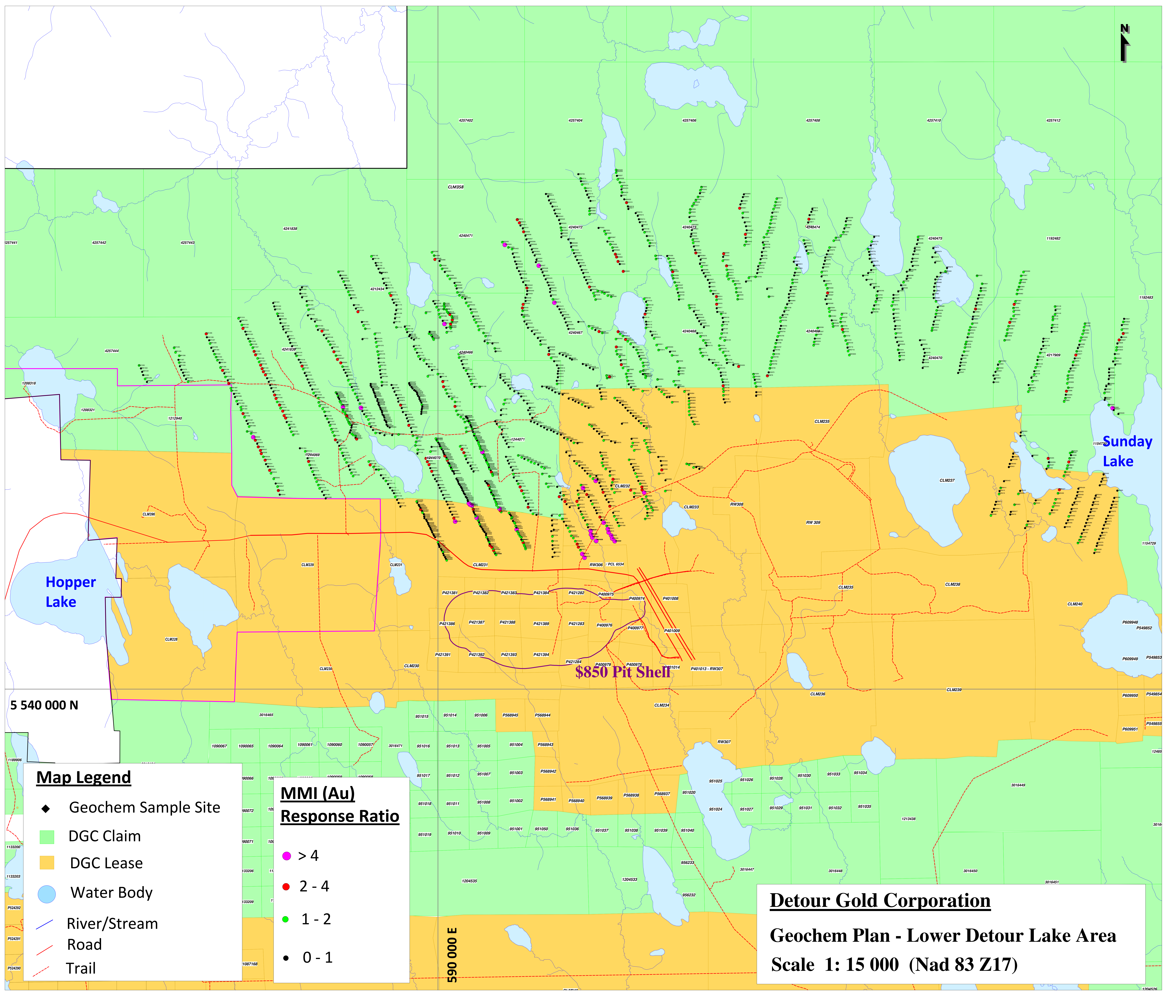
OWNERS' NAMES

DETOUR GOLD CORPORATION

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
6R5062	1988/04/12	PLAN REFERENCE				C
CB48101	2008/10/30	TRANSFER REMARKS: PLANNING ACT STATEMENTS	\$1	GOLDCORP CANADA LTD.	DETOUR GOLD CORPORATION	C
CB48103	2008/10/30	NOTICE REMARKS: ROYALTY AGREEMENT		DETOUR GOLD CORPORATION		C
CB48404	2008/11/06	NOTICE REMARKS: TERMINATION & ROYALTY AGREEMENT		DETOUR GOLD CORPORATION		C
CB48405	2008/11/06	NOTICE REMARKS: MEMORANDUM OF AGREEMENT		DETOUR GOLD CORPORATION		C
CB52426	2009/04/24	NOTICE REMARKS: CB48404, CB48405		FRANCO-NEVADA CORPORATION	FRANCO-NEVADA CORPORATION	C
CB52434	2009/04/24	NOTICE REMARKS: MULTI		FRANCO-NEVADA CORPORATION	BANK OF MONTREAL	C

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 NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



Hopper Lake

Sunday Lake

\$850 Pit Shell

5 540 000 N

590 000 E

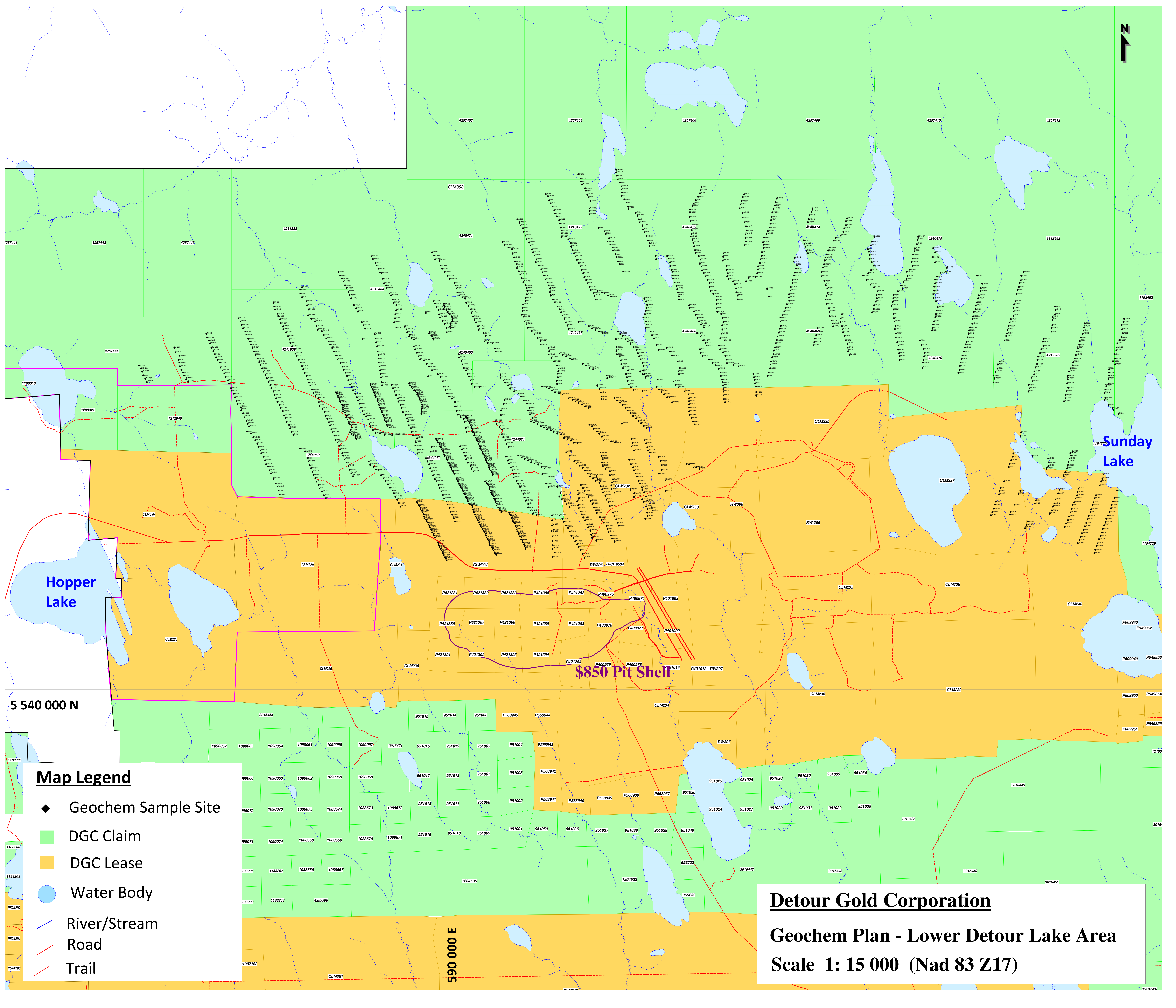
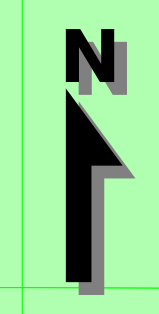
Map Legend

- ◆ Geochem Sample Site
- DGC Claim
- DGC Lease
- Water Body
- River/Stream
- Road
- - - Trail

**MMI (Au)
Response Ratio**

- > 4
- 2 - 4
- 1 - 2
- 0 - 1

Detour Gold Corporation
Geochem Plan - Lower Detour Lake Area
Scale 1: 15 000 (Nad 83 Z17)



Hopper Lake

Sunday Lake

\$850 Pit Shell

Map Legend

- ◆ Geochem Sample Site
- DGC Claim
- DGC Lease
- Water Body
- River/Stream
- Road
- - - Trail

Detour Gold Corporation
Geochem Plan - Lower Detour Lake Area
Scale 1: 15 000 (Nad 83 Z17)

Target	Sample	East	North	Line	DepthHum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T11	MMI0457	592176	5545423	6		1	3 GRY	50	CLAY	DGC		04/06/2010
T11	MMI0458	592232	5545405	6		0.5	3 DRK GRY	50	CLAY	DGC		04/06/2010
T11	MMI0459	592267	5545388	6		0.75	5 GRY	50	CLAY	DGC		04/06/2010
T11	MMI0460	592313	5545359	6		0.5	5 GRY	60	CLAY/SAN	DGC		04/06/2010
T11	MMI0461	592359	5545344	6		1	3 GRY	50	CLAY	DGC		04/06/2010
T11	MMI0462	592424	5544767	5		1.5	3 LT GRY	50	CLAY	DGC		04/06/2010
T11	MMI0463	592237	5544851	5		0.75	2 LT BRWN	90	SANDY CL	DGC		04/06/2010
T11	MMI0464	592193	5544870	5		0.5	2 LT BRWN	70	SANDY CL	DGC		04/06/2010
T11	MMI0465	592143	5544891	5		0.5	2 BRWN	70	SANDY CL	DGC		04/06/2010
T11	MMI0466	592100	5544913	5		0.4	1 LT BRWN	80	SILTY CL	DGC		04/06/2010
T11	MMI0467	592054	5544941	5		0.6	3 BRWN	40	CLAY	DGC		04/06/2010
T11	MMI0468	591912	5545001	5		0.75	2 GRY BRW	90	SILT	DGC		04/06/2010
T11	MMI0472	592303	5544236	4		0.05	1 GRY BRW	30	SILT	DGC		04/06/2010
T11	MMI0473	592337	5544253	4		0.1	1 GRY	20	SILT	DGC		04/06/2010
T11	MMI0474	592295	5544270	4		1.5	5 BLU GRY	70	CLAY	DGC		04/06/2010
T11	MMI0475	592114	5544354	4		0.01	1 LT GRY	20	SILT	DGC		04/06/2010
T11	MMI0476	592068	5544375	4		0.1	1 LT BRWN	60	CLAY	DGC		04/06/2010
T11	MMI0477	592018	5544408	4		0.1	2 GRY BRW	40	SILT	DGC		04/06/2010
T11	MMI0478	591972	5544428	4		0.1	2 BRWN	30	SILT	DGC		04/06/2010
T11	MMI0479	591824	5544487	4		0.05	1 BRWN OR	30	SILT	DGC		04/06/2010
T11	MMI0480	591797	5544505	4		0.05	1 GRY BRW	30	SILT	DGC		04/06/2010
T11	MMI0481	591745	5544531	4		0.05	1 BRWN	30	SILT/PEBB	DGC		04/06/2010
T11	MMI0482	591700	5544550	4		0.05	1 GRY BRW	30	SILTY CL	DGC		04/06/2010
T11	MMI0483	591656	5544570	4		0.05	1 ORG	20	SILTY CL	DGC		04/06/2010
T11	MMI0494	591093	5543182	1		0.75	2 LT GRY	75	CLAY	DGC		04/06/2010
T11	MMI0495	591140	5543156	1		1.5	2 LT GRY	75	CLAY	DGC		04/06/2010
T11	MMI0496	591177	5543136	1		1.5	2 LT GRY	65	CLAY	DGC		04/06/2010
T11	MMI0497	591228	5543117	1		2	5 LT GRY	85	CLAY	DGC		04/06/2010
T11	MMI0498	591269	5543091	1		1.5	2 LT GRY	75	CLAY	DGC		04/06/2010
T11	MMI0499	591314	5543074	1		2	5 LT GRY	75	CLAY	DGC	lots of roots	04/06/2010
T11	MMI0500	591365	5543057	1		1.5	5 LT GRY	75	CLAY	DGC	lots of roots	04/06/2010
T11	MMI0501	591411	5543025	1		1.5	10 DRK GRY	75	CLAY	DGC		04/06/2010
T11	MMI0502	591449	5543007	1		2.5	5 LT GRY	75	CLAY	DGC		04/06/2010
T11	MMI0503	591717	5543421	2		0.5	5 DRK GRY	75	CLAY	DGC		04/06/2010
T11	MMI0504	591674	5543465	2		0.2	5 LT GRY DF	10	SILT/SAN	DGC		04/06/2010
T11	MMI0505	591625	5543478	2		0.1	7.5 ORG BRW	5	SILT/SAN	DGC	atop an est	04/06/2010
T11	MMI0506	591576	5543504	2		1	5 DRK TO L	75	CLAY	DGC		04/06/2010
T11	MMI0507	591539	5543525	2		0.5	5 LT BRWN	70	CLAY/SILT	DGC		04/06/2010
T11	MMI0508	591486	5543534	2		0.3	2 LT GRY	80	CLAY	DGC	near road e	04/06/2010
T11	MMI0509	591446	5543561	2		0.1	5 GRY ORG	25	SILT/CLAY	DGC	clear cut ar	04/06/2010
T11	MMI0510	591402	5543581	2		0.1	2 GRY ORG	25	SILT	DGC	clear cut ar	04/06/2010
T11	MMI0511	591354	5543609	2		0.05	2 LT GRY OI	50	SILT/CLAY	DGC	clear cut ar	04/06/2010
T11	MMI0512	591311	5543632	2		0.05	2 LT GRY	50	SILT/CLAY	DGC	clear cut ar	04/06/2010
T11	MMI0513	591266	5543646	2		0.1	10 BRWN OR	50	SILT/CLAY	DGC	clear cut ar	04/06/2010
T11	MMI0514	591418	5544121	3		1	2 LT GRY	80	CLAY	DGC	flat, woode	04/06/2010
T11	MMI0515	591480	5544108	3		0.2	7.5 ORG BRW	10	SAND/SILT	DGC	esker, flat,	04/06/2010
T11	MMI0516	591511	5544094	3		0.1	5 ORG BRW	10	SAND/SILT	DGC		04/06/2010
T11	MMI0517	591555	5544069	3		0.25	5 ORG BRW	10	SAND/SILT	DGC	esker edge	04/06/2010
T11	MMI0518	591597	5544042	3		0.1	2 LT GRY OI	25	SAND/SILT	DGC		04/06/2010
T11	MMI0519	591649	5544023	3		0.1	5 DK BRWN	50	SILT	DGC		04/06/2010
T11	MMI0520	591698	5544012	3		0.1	10 LT GRY OI	25	SILT	DGC	near road e	04/06/2010
T11	MMI0521	591780	5543956	3		1.5	5 GRY BRW	50	CLAY	DGC		04/06/2010
T11	MMI0522	591837	5543939	3		1.5	2 GRY BRW	80	CLAY/SILT	DGC		04/06/2010
T11	MMI0523	591871	5543917	3		0.1	5 ORG BRW	25	CLAY/SILT	DGC	clear cut ar	04/06/2010
T11	MMI0524	591915	5543899	3		0.1	2 GRY BRW	40	CLAY/SILT	DGC		04/06/2010
T11	MMI0525	591962	5543876	3		1	2 LT GRY	75	CLAY	DGC		04/06/2010
T11	MMI0526	592005	5543851	3		1	7.5 LT GRY	75	CLAY	DGC		04/06/2010
T11	MMI0527	592052	5543830	3		0.5	2 GRY BRW	75	CLAY	DGC		04/06/2010
T13	MMI0469	591473	5542797	1		1.25	2 BLU GRY	80	CLAY	DGC		04/06/2010
T13	MMI0470	591502	5542754	1		0.5	2 LT BRWN	100	CLAY	DGC		04/06/2010
T13	MMI0471	591652	5542620	1		0.5	2 LT BRWN	70	CLAY	DGC		04/06/2010
T13	MMI0484	592061	5543601	3		0.1	1 LT BRWN	100	SILT/CLAY	DGC		04/06/2010
T13	MMI0485	592095	5543580	3		0.2	1 LT BRWN	40	CLAY	DGC		04/06/2010
T13	MMI0486	592122	5543544	3		0.1	1 ORG	50	SILT/CLAY	DGC		04/06/2010
T13	MMI0487	592165	5543511	3		0.03	2 LT BRWN	40	SILT/CLAY	DGC		04/06/2010
T13	MMI0488	592195	5543477	3		0.2	2 GRY/BRW	80	SILT/CLAY	DGC		04/06/2010
T13	MMI0489	592233	5543436	3		0.2	2 DRK GRY	70	CLAY	DGC		04/06/2010
T13	MMI0490	592256	5543386	3		1	2 GRY/BRW	90	SILT/CLAY	DGC		04/06/2010
T13	MMI0491	592357	5543376	3		1	5 GRY	70	SILT/CLAY	DGC		04/06/2010
T13	MMI0530	592755	5544322	5		0.25	2 GRY BRW	65	SILT/CLAY	DGC	flat, heavily	04/06/2010
T13	MMI0531	592790	5544290	5		0.25	2 GRY BRW	65	SILT/CLAY	DGC	light grey a	04/06/2010
T13	MMI0532	592830	5544260	5		0.25	1 GRY BRW	80	CLAY	DGC	water hole	04/06/2010
T13	MMI0533	592840	5543554	4		0.1	2 GRY BRW	70	SILT/CLAY	DGC	flat, woode	04/06/2010

Target	Sample	East	North	Line	Depth	Humidity	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T14	MMI0386	598767	5542117	6		0.1		1 BRWN	80	CLAY	DGC		04/06/2010
T14	MMI0387	598794	5542168	6		0.05		1 BRWN	60	SILT/CLAY	DGC		04/06/2010
T14	MMI0388	598811	5542216	6		0.05		1 BRWN	70	SILT/CLAY	DGC		04/06/2010
T14	MMI0389	598826	5542263	6		0.5		2 LT BRWN	90	SILT/CLAY	DGC		04/06/2010
T14	MMI0390	598859	5542356	6		0.03		2 LT BRWN	90	SILT/CLAY	DGC		04/06/2010
T14	MMI0391	598884	5542409	6		0.1		1 BRWN/GR	70	SILT/CLAY	DGC		04/06/2010
T14	MMI0392	598566	5543001	4		0.2		1 LT BRWN	55	CLAY	DGC		04/06/2010
T14	MMI0393	598575	5543043	4		0.8		4 BRWN	60	CLAY	DGC		04/06/2010
T14	MMI0394	598590	5543093	4		0.1		1 LT BRWN	70	CLAY	DGC		04/06/2010
T14	MMI0395	598601	5543142	4		0.1		1 LT BRWN	10	CLAY	DGC		04/06/2010
T14	MMI0396	598620	5543186	5		0.2		1 LT GRY	100	SANDY CL	DGC		04/06/2010
T14	MMI0397	597834	5543206	1		0.25		2 GRY/BRW	10	SILT/CLAY	DGC	large and s	04/06/2010
T14	MMI0398	597827	5543164	1		0.25		5 GRY/BRW	50	CLAY	DGC		04/06/2010
T14	MMI0399	597805	5543120	1		0.25		5 GRY/BRW	75	CLAY	DGC		04/06/2010
T14	MMI0400	597786	5543067	1		0.4		5 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0401	597774	5543024	1		1.5		10 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0402	597708	5542831	1		1.5		10 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0403	597851	5542511	2		0.25		5 GRY/BRW	70	SILT/CLAY	DGC		04/06/2010
T14	MMI0404	597903	5542658	2		2.5		5 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0405	597928	5542699	2		0.25		2 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0406	598034	5542286	3		1		2 GRY/BRW	25	SILT	DGC		04/06/2010
T14	MMI0407	598018	5542236	3		1.5		2 LT GRY	70	CLAY	DGC		04/06/2010
T14	MMI0408	597995	5542193	3		1.5		1 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0409	597530	5542364	1		0.5		1 LT GRY	80	CLAY	DGC	tall and fall	04/06/2010
T14	MMI0410	597546	5542411	1		1		1 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0411	597571	5542456	1		0.25		5 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0412	597587	5542511	1		1.5		5 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0413	597599	5542551	1		1		2 LT GRY	80	CLAY	DGC		04/06/2010
T14	MMI0414	597663	5542740	1		0.25		1 ORG/BRW	10	SILT/CLAY	DGC	leaches ou	04/06/2010
T14	MMI0415	597647	5542696	1		1		2 DARK GR	70	CLAY	DGC	within hole	04/06/2010
T14	MMI0416	597641	5542656	1		0.5		2 LT GRY	70	CLAY	DGC	edge of str	04/06/2010
T14	MMI0417	597801	5542414	2		0.1		10 ORG	80	SILT	DGC	near sand f	04/06/2010
T14	MMI0418	597793	5542378	2		1.5		2 LT GRY	80	CLAY	DGC	flat, tree co	04/06/2010
T14	MMI0419	598140	5542570	3		0.1		5 LT GRY	75	CLAY	DGC	lake edge	04/06/2010
T14	MMI0420	598125	5542527	3		2		1 LT GRY	75	CLAY	DGC	moved up f	04/06/2010
T14	MMI0421	598333	5542387	4		1		1 LT GRY	75	CLAY	DGC		04/06/2010
T14	MMI0422	598360	5542436	4		0.75		5 LT GRY	75	CLAY	DGC	light orange	04/06/2010
T14	MMI0423	598375	5542484	4		0.25		5 GRY ORG	25	SILT/CLAY	DGC		04/06/2010
T14	MMI0424	598394	5542531	4		0.5		2 LT GRY	75	CLAY	DGC		04/06/2010
T14	MMI0425	598411	5542582	4		0.5		5 GRY BRW	75	CLAY	DGC		04/06/2010
T14	MMI0426	598443	5542667	4		0.25		5 GRY BRW	50	CLAY	DGC		04/06/2010
T14	MMI0427	598462	5542715	4		0.25		5 GRY BRW	50	SILT/CLAY	DGC		04/06/2010
T14	MMI0428	598710	5542683	5		1		5 DARK GR	75	CLAY	DGC		04/06/2010
T14	MMI0429	598721	5542730	5		0.1		7.5 GRY ORG	10	SAND/SILT	DGC	located at k	04/06/2010
T14	MMI0430	598701	5542635	5		0.25		2 DARK GR	75	CLAY	DGC		04/06/2010
T14	MMI0431	598683	5542595	5		0.1		10 ORG BRW	15	SAND/SILT	DGC		04/06/2010
T14	MMI0432	598665	5542541	5		0.1		1 GRY BRW	75	SILT/CLAY	DGC		04/06/2010
T14	MMI0433	598642	5542509	5		0.1		2 DARK GR	50	SILT/CLAY	DGC		04/06/2010
T14	MMI0434	598627	5542452	5		0.1		2 BRWN OR	50	SILT/CLAY	DGC		04/06/2010
T14	MMI0435	598613	5542404	5		0.2		2 BRWN OR	50	SILT/CLAY	DGC		04/06/2010
T14	MMI0437	598844	5542309	6		0.1		1 LT BRWN	100	SILT/CLAY	DGC		04/06/2010
T14	MMI0438	598895	5542450	6		0.05		1 RED/ORG	30	SILT	DGC		04/06/2010
T14	MMI0439	598913	5542507	6		0		1 RED	50	SILT	DGC	under upro	04/06/2010
T14	MMI0440	598925	5542543	6		0.1		2 ORG/GRY	70	CLAY	DGC		04/06/2010
T14	MMI0441	598944	5542595	6		0.2		1 ORG	30	SILT	DGC		04/06/2010
T14	MMI0442	598957	5542635	6		0		2 GRY/ORG	10	SILT	DGC	under upro	04/06/2010
T14	MMI0443	599012	5542775	6		0.3		5 BRWN/OR	80	SAND	DGC		04/06/2010
T14	MMI0444	599032	5542825	6		0.3		2 BRWN/GR	20	SILT/CLAY	DGC		04/06/2010
T14	MMI0445	599048	5542865	6		0.1		2 LT BRWN	50	SILT/CLAY	DGC		04/06/2010
T14	MMI0446	599064	5542922	6		0.05		3 LT BRWN	30	SILT/CLAY	DGC		04/06/2010
T14	MMI0453	598590	5542352	5		0.1		1 BRWN OR	25	SILT/CLAY	DGC	numerous f	04/06/2010
T14	MMI0454	598578	5542299	5		0.25		7.5 LT GRY	75	CLAY	DGC		04/06/2010
T14	MMI0455	598555	5542259	5		0.25		2 LT GRY	75	CLAY	DGC		04/06/2010
T14	MMI0456	598536	5542206	5		1		2 LT GRY	75	CLAY	DGC	flat, deeper	04/06/2010
T16	MMI3488	592367	5542725	C		0.1		1 LT BRWN	20	CLAY/SILT	DGC		30/07/2010
T16	MMI3489	592403	5542676	C		0.6		2 LT BRWN	70	CLAY	DGC		30/07/2010
T16	MMI3490	592624	5542710	C		0.4		2 GRY	80	SILT	DGC		30/07/2010
T16	MMI3491	592674	5542668	C		0.8		2 LT BRWN	50	CLAY	DGC		30/07/2010
T16	MMI3492	592670	5542617	C		0.6		2 BRWN	60	CLAY	DGC		30/07/2010
T16	MMI3493	592779	5542586	C		0.6		1 BRWN	20	CLAY/SILT	DGC		30/07/2010
T16	MMI3494	592804	5542549	C		0.5		1 LT BRWN	30	SILT	DGC		30/07/2010
T16	MMI3495	592833	5542490	C		0.4		1 BRWN	30	SILT	DGC		30/07/2010
T16	MMI3496	592852	5542453	C		0.1		1 ORG BRW	10	SILT	DGC	OLD FORE	30/07/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T16	MMI3497	592850	5542401	C		0.1		1 ORG BRW	10	SILT	DGC	OLD FORE	30/07/2010
T16	MMI3498	592853	5542361	C		0.1		1 ORG BRW	20	SILT	DGC	OLD FORE	30/07/2010
T16	MMI3499	592822	5542317	C		0.1		1 ORG BRW	20	CLAY/SILT	DGC	OLD FORE	30/07/2010
T16	MMI3545	592082	5542564	B		0.05		2 GRY	60	SILT	DGC	HIGHGRO	30/07/2010
T16	MMI3546	592053	5542616	B		0.5		2 BRWN	60	SILT	DGC	HIGHGRO	30/07/2010
T16	MMI3547	592026	5542650	B		0.4		2 GRY	80	CLAY	DGC	HIGHGRO	30/07/2010
T16	MMI3548	591996	5542696	B		0.6		5 GRY	60	CLAY/SILT	DGC	HIGHGRO	30/07/2010
T16	MMI3549	591975	5542739	B		0.5		5 ORG BRW	60	CLAY/SILT	DGC	SWAMP	30/07/2010
T16	MMI3550	591947	5542779	B		0.3		2 ORG BRW	80	CLAY	DGC	HIGHGRO	30/07/2010
T16	MMI3551	591657	5542366	A		0.8		2 GRY	50	SILT	DGC	MARSH IN	30/07/2010
T16	MMI3552	591693	5542317	A		0.3		5 GRY	60	SILT	DGC	EDGE OF	30/07/2010
T16	MMI3553	591714	5542280	A		0.4		2 BRWN	50	SILT	DGC	WATER H	30/07/2010
T16	MMI3554	591745	5542228	A		0.2		2 BRWN	80	SILT	DGC	WATER H	30/07/2010
T16	MMI3555	591772	5542195	A		0.5		2 BRWN	60	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3556	591794	5542146	A		0.5		2 BRWN	30	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3557	591815	5542088	A		0.2		2 BRWN	40	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3558	591843	5542058	A		0.3		2 BRWN	30	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3559	591869	5542014	A		0.3		2 BRWN	20	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3560	591763	5543403	A2		0.6		1 BLU GRY	70	CLAY/SILT	DGC	SIDE OF E	30/07/2010
T16	MMI3561	591811	5543382	A2		0.1		1 BRWN	80	CLAY/SILT	DGC	SIDE OF E	30/07/2010
T16	MMI3562	591851	5543354	A2		0.2		1 LT BRWN	50	CLAY	DGC	SIDE OF E	30/07/2010
T16	MMI3563	591900	5543348	A2		0.1		2 LT BRWN	60	CLAY/SILT	DGC		30/07/2010
T16	MMI3564	592211	5543223	C		0.1		1 BRWN	60	CLAY/SILT	DGC		30/07/2010
T16	MMI3565	592227	5543177	C		0.1		1 LT BRWN	50	SILT	DGC		30/07/2010
T16	MMI3566	592245	5543132	C		0.1		1 LT BRWN	30	CLAY/SILT	DGC		30/07/2010
T16	MMI3567	592233	5543082	C		0.2		1 GRY BRW	80	CLAY/SILT	DGC		30/07/2010
T16	MMI3568	592247	5543039	C		0.4		1 BRWN	50	CLAY/SILT	DGC		30/07/2010
T16	MMI3569	592285	5542997	C		0.2		1 BRWN	20	SILT	DGC		30/07/2010
T16	MMI3570	592341	5542962	C		0.2		1 GRY	20	SILT	DGC		30/07/2010
T16	MMI3571	592342	5542908	C		0.1		1 BRWN	40	CLAY/SILT	DGC		30/07/2010
T16	MMI3572	592384	5542858	C		0.2		3 BRWN	50	CLAY	DGC		30/07/2010
T16	MMI3573	592373	5542815	C		0.4		2 BRWN	30	CLAY/SILT	DGC		30/07/2010
T16	MMI3574	592361	5542772	C		0.3		2 BRWN	30	CLAY/SILT	DGC		30/07/2010
T16	MMI3575	591896	5541975	A		0.3		2 BRWN	10	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3576	591912	5541934	A		0.2		2 BRWN	10	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3577	591940	5541893	A		0.2		2 BRWN	15	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3578	591965	5541840	A		0.2		2 GRY	20	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3579	591996	5541789	A		0.2		2 BRWN	20	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3580	592407	5542007	A		0.2		2 BRWN	10	SILT	DGC	ELEVATE	30/07/2010
T16	MMI3581	593559	5542999	E		0.2		2 BRWN	60	SILT	DGC	LIGHT FO	30/07/2010
T16	MMI3582	593517	5543023	E		0.3		2 BRWN	60	SILT	DGC	LIGHT FO	30/07/2010
T16	MMI3583	593480	5543019	E		0.3		5 GRY	60	SILT	DGC	WATER H	30/07/2010
T16	MMI3584	593420	5543056	E		0.3		5 GRY	70	CLAY	DGC	WATER H	30/07/2010
T16	MMI3585	593387	5543068	E		0.2		2 GRY	70	CLAY	DGC	LIGHT FO	30/07/2010
T16	MMI3586	593098	5542844	D		0.4		2 GRY	80	CLAY	DGC	WATER H	30/07/2010
T16	MMI3587	593010	5542933	D		0.3		5 GRY	60	SILT	DGC	HIGH GRC	30/07/2010
T16	MMI3588	593048	5542985	D		0.4		10 GRY	90	CLAY/SILT	DGC	WATER H	30/07/2010
T16	MMI3589	593044	5543046	D		0.4		2 GRY	80	CLAY	DGC	WATER H	30/07/2010
T16	MMI3603	593034	5543107	D		0.2		5 GRY	80	CLAY	DGC	WATER H	30/07/2010
T16	MMI3604	593000	5543162	D		0.5		2 GRY	80	CLAY	DGC	WATER H	30/07/2010
T16	MMI3605	592885	5543224	D		0.6		2 GRY	80	CLAY	DGC	WATER H	30/07/2010
T16	MMI3606	592505	5543614	B2		0.4		2 GRY	70	CLAY	DGC	DENSE FC	30/07/2010
T16	MMI3607	592407	5542014	B		0.05		2 LT GRY	10	SILT	DGC	ON TOP O	30/07/2010
T16	MMI3608	592373	5542051	B		0.05		10 LT GRY	10	SILT	DGC	ON TOP O	30/07/2010
T16	MMI3609	592358	5542093	B		0.05		2 LT GRY	10	SILT	DGC	ON TOP O	30/07/2010
T16	MMI3610	592324	5542134	B		0.05		2 LT GRY	10	SILT	DGC	ON TOP O	30/07/2010
T16	MMI3611	592313	5542181	B		0.05		2 LT GRY	10	SILT	DGC	ON TOP O	30/07/2010
T16	MMI3612	592297	5542224	B		0.05		5 BRWN	10	SILT	DGC	BESIDE O	30/07/2010
T16	MMI3613	592257	5542267	B		0.1		5 GRY	30	SILT	DGC	FOREST E	30/07/2010
T16	MMI3614	592224	5542303	B		0.2		5 LT GRY	90	SILT	DGC	FOREST C	30/07/2010
T16	MMI3615	592205	5542343	B		0.2		8 GRY	20	SILT	DGC	POND ED	30/07/2010
T16	MMI3616	592163	5542396	B		0.1		5 GRY	20	SILT	DGC	DENSE FC	30/07/2010
T16	MMI3617	592152	5542435	B		0.1		2 GRY	85	SILT	DGC	FOREST E	30/07/2010
T16	MMI3618	592127	5542472	B		0.2		5 DK BRWN	80	SILT	DGC	SWAMP	30/07/2010
T16	MMI3619	592102	5542520	B		0.4		2 BRWN	40	SILT	DGC	WATER H	30/07/2010
T16	MMI3703	592862	5543249	D		0.3		2 DK GRY	80	CLAY	DGC	DENSE FC	30/07/2010
T16	MMI3704	592851	5543293	D		0.6		2 GRY	80	CLAY	DGC	DENSE FC	30/07/2010
T16	MMI3705	592834	5543345	D		0.6		2 GRY	80	CLAY	DGC	DENSE FC	30/07/2010
T16	MMI3706	592811	5543385	D		0.3		2 GRY	80	CLAY	DGC	DENSE FC	30/07/2010
T16	MMI3708	593096	5542697	D		1.3		10 LT GRY	80	CLAY	DGC	SWAMP	30/07/2010
T16	MMI4630	592160	5542029	B		0.4		1 GRY	75	CLAY	DGC	JUST OUT	11/08/2010
T16	MMI4631	592099	5542060	B		0.4		1 GRY	90	CLAY	DGC	PEBBLY, S	11/08/2010
T16	MMI4632	592093	5542097	B		0.5		2 LT BRWN	75	CLAY	DGC	SAMPLE T	11/08/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T16	MMI4633	592075	5542159	B		0.4	0	BRWN GR	50	CLAY/SILT	DGC	SAMPLE T	11/08/2010
T24	MMI0921	588778	5544205	F		0.2	1	BRWN	70	SILT/CLAY	DGC		11/06/2010
T24	MMI0922	588762	5544265	F		0.2	1	BRWN	80	SILT/CLAY	DGC		11/06/2010
T24	MMI0923	588741	5544308	F		0.3	1	GRY/BRW	40	SILT	DGC		11/06/2010
T24	MMI0924	588718	5544348	F		0.1	1	GRY/BRW	30	SILT/CLAY	DGC		11/06/2010
T24	MMI0925	588700	5544392	F		0.1	2	GRY/BRW	100	SILT/CLAY	DGC		11/06/2010
T24	MMI0926	588676	5544443	F		0	0	LT BRWN	20	SILT/CLAY	DGC	Open road	11/06/2010
T24	MMI0927	588631	5544490	F		0	0	LT BRWN	20	CLAY	DGC	Open road	11/06/2010
T24	MMI0928	588611	5544541	F		0.3	3	GRY/BRW	20	CLAY	DGC		11/06/2010
T24	MMI0929	588826	5544113	F		0	2	GRY	100	SAND/CLAY	DGC	Pebbles in	11/06/2010
T24	MMI0930	588804	5544149	F		1	3	GRY	70	CLAY	DGC		11/06/2010
T24	MMI0931	592924	5542435	L		0.4	0	GRY	20	CLAY	DGC		11/06/2010
T24	MMI0932	592906	5542476	L		0.15	1	DK BRWN	20	CLAY	DGC		11/06/2010
T24	MMI0933	592879	5542527	L		0.3	5	WHT GRY	80	CLAY	DGC	WATERHC	11/06/2010
T24	MMI0934	592851	5542568	L		1	30	GRY ORG	30	CLAY	DGC		11/06/2010
T24	MMI0935	592835	5542621	L		0.3	15	GRY BWR	20	CLAY	DGC		11/06/2010
T24	MMI0936	592808	5542677	L		0.3	5	WHT GRY	60	CLAY	DGC	10M NORT	11/06/2010
T24	MMI0937	592780	5542712	L		0.1	5	GRY	15	CLAY/SILT	DGC	OVER SHA	11/06/2010
T24	MMI0938	592777	5542751	L		0.1	1	BRWN GR	15	CLAY/SILT	DGC		11/06/2010
T24	MMI0939	592754	5542797	L		0.75	2	GRY BRW	10	CLAY/SILT	DGC		11/06/2010
T24	MMI0940	592728	5542836	L		0.75	10	GRY	20	CLAY	DGC	EDGE OF	11/06/2010
T24	MMI0941	592710	5542892	L		1.2	10	BRWN	15	CLAY	DGC		11/06/2010
T24	MMI0942	592689	5542937	L		0.2	5	GRY	80	CLAY	DGC	WATERHC	11/06/2010
T24	MMI0943	592668	5542980	L		0.25	3	GRY	90	CLAY	DGC	WATERHC	11/06/2010
T24	MMI0944	592656	5543019	L		0.6	12	GRY	20	CLAY	DGC	WATERHC	11/06/2010
T24	MMI0945	592629	5543064	L		0.5	3	BLUE GRY	15	CLAY	DGC	WATERHC	11/06/2010
T24	MMI0946	592603	5543123	L		1.5	5	STEEL BL	50	CLAY	DGC	WATERHC	11/06/2010
T24	MMI0947	592672	5543251	L		0.5	3	GRY BRW	75	CLAY/SILT	DGC	70-80M NC	11/06/2010
T24	MMI0948	592637	5543305	L		0.35	4	BRWN	10	SILT/SAND	DGC		11/06/2010
T24	MMI0949	592652	5543351	L		0.2	3	BRWN	8	SILT/SAND	DGC		11/06/2010
T24	MMI0950	592636	5543408	L		0.4	5	DRK BRW	50	SILT/SAND	DGC		11/06/2010
T24	MMI0951	589915	5542966	G		0.2	1	LT BRWN	40	SILT	DGC		11/06/2010
T24	MMI0952	589895	5543009	G		0.1	1	BRWN	40	SILT/SAND	DGC		11/06/2010
T24	MMI0953	589878	5543056	G		0.1	1	GRY	10	SILT/CLAY	DGC		11/06/2010
T24	MMI0954	589855	5543097	G		0.6	1	GRY/BRW	70	SILT	DGC		11/06/2010
T24	MMI0955	586037	5544183	A		0.1	1	GRY/BRW	40	CLAY/SILT	DGC		18/06/2010
T24	MMI0956	589836	5543142	G		1	1	GRY	90	SILT/CLAY	DGC	Hole in san	11/06/2010
T24	MMI0957	589898	5543234	G		0.75	1	GRY	30	SILT/CLAY	DGC	Moved off c	11/06/2010
T24	MMI0958	589913	5543299	G		1	3	GRY	70	SAND/CLAY	DGC		11/06/2010
T24	MMI0959	589724	5543260	G		1	2	GRY	90	CLAY	DGC	Alder Swar	11/06/2010
T24	MMI0960	589692	5543318	G		1.5	3	GRY	90	SILT/CLAY	DGC	Pot Hole	11/06/2010
T24	MMI0961	589701	5543364	G		1.3	2	GRY	90	SILT/CLAY	DGC		11/06/2010
T24	MMI0962	589715	5543418	G		1	1	GRY	60	CLAY	DGC	Close to Rd	11/06/2010
T24	MMI0963	589658	5543451	G		0.75	2	GRY	50	SILT/CLAY	DGC		11/06/2010
T24	MMI0964	589643	5543501	G		0.2	1	DRK GRY	30	SILT/CLAY	DGC		11/06/2010
T24	MMI0965	589632	5543555	G		0.05	1	GRY/ORG	30	SILT	DGC		11/06/2010
T24	MMI0966	589603	5543592	G		0.1	1	DRK GRY	20	CLAY	DGC		11/06/2010
T24	MMI0967	589593	5543648	G		0.05	1	GRY	40	SILT	DGC		11/06/2010
T24	MMI0968	589577	5543687	G		0.75	1	GRY	60	SILT	DGC		11/06/2010
T24	MMI0969	589934	5542914	G		0.05	1	GRY/BRW	20	SILT	DGC		11/06/2010
T24	MMI0970	589563	5543733	G		0.05	1	DRK BRW	60	SAND	DGC	Close to Rd	11/06/2010
T24	MMI0971	589522	5543773	G		0.05	1	GRY	30	SILT/CLAY	DGC		11/06/2010
T24	MMI0972	589506	5543827	G		0.05	1	ORG	30	SILT	DGC		11/06/2010
T24	MMI0973	589491	5543868	G		0.05	1	GRY/BRW	30	SILT/CLAY	DGC		11/06/2010
T24	MMI0974	589460	5543915	G		0.05	1	ORG/BRW	20	SILT	DGC		11/06/2010
T24	MMI0975	589454	5543960	G		0.05	1	GRY/ORG	20	SILT/CLAY	DGC		11/06/2010
T24	MMI0976	589431	5544005	G		0.05	1	GRY	40	SILT	DGC		11/06/2010
T24	MMI0977	589408	5544050	G		0.05	1	GRY/ORG	40	SILT	DGC		11/06/2010
T24	MMI0978	589959	5542861	G		0.05	1	GRY/ORG	50	SILT/CLAY	DGC		11/06/2010
T24	MMI0979	589981	5542830	G		0.05	1	GRY/ORG	40	SILT/CLAY	DGC		11/06/2010
T24	MMI0980	590006	5542780	G		0.05	1	GRY	30	SILT	DGC		11/06/2010
T24	MMI0981	590024	5542740	G		0.05	1	ORG	30	SILT	DGC		11/06/2010
T24	MMI0982	590046	5542692	G		0.05	1	GRY	40	SILT	DGC		11/06/2010
T24	MMI0983	590068	5542644	G		0.05	1	ORG	20	SILT	DGC		11/06/2010
T24	MMI0984	590086	5542597	G		0.05	1	GRY/ORG	20	SILT	DGC		11/06/2010
T24	MMI0985	590115	5542554	G		0.05	2	GRY/ORG	20	SILT	DGC		11/06/2010
T24	MMI0986	590131	5542514	G		0.05	2	GRY/ORG	30	SILT	DGC		11/06/2010
T24	MMI0987	590158	5542466	G		0.05	2	GRY/ORG	20	SILT	DGC		11/06/2010
T24	MMI0988	590170	5542415	G		0.05	2	ORG	30	SILT	DGC		11/06/2010
T24	MMI0989	590194	5542376	G		0.05	2	GRY/ORG	30	SILT	DGC		11/06/2010
T24	MMI0990	590234	5542282	G		0.05	2	GRY/ORG	30	SILT/CLAY	DGC	Edge of un	11/06/2010
T24	MMI0991	590216	5542328	G		0.01	1	GRY/BRW	10	SILT	DGC		11/06/2010
T24	MMI0992	588645	5545682	G		0.75	4	DK GRY	80	CLAY	DGC		18/06/2010

Target	Sample	East	North	Line	DepthHum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI1212	592157	5542904	K	0.05	1	DK BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1213	591902	5542705	J	0.05	2	ORG	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1214	591911	5542651	J	0.05	2	GRY/ORG	30	SILT	DGC		18/06/2010
T24	MMI1215	591921	5542601	J	0.05	1	ORG/BRW	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1216	591892	5542556	J	0.05	2	GRY	60	CLAY	DGC		18/06/2010
T24	MMI1217	591909	5542506	J	0.15	2	GRY	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1218	591916	5542463	J	0.05	2	GRY/BRW	50	CLAY	DGC		18/06/2010
T24	MMI1219	591942	5542419	J	0.2	1	LT BRWN	60	CLAY	DGC		18/06/2010
T24	MMI1220	591957	5542380	J	0.1	1	GRY/ORG	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1221	591977	5542333	J	0.05	2	ORG/BRW	30	SILT	DGC		18/06/2010
T24	MMI1222	592003	5542297	J	0.05	1	ORG/BRW	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1223	592033	5542241	J	0.05	1	LT GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1224	592043	5542205	J	0.05	1	LT GRY	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1225	592078	5542155	J	0.05	2	GRY	80	SILT	DGC		18/06/2010
T24	MMI1226	592084	5542105	J	0.15	4	DK GRY	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1227	592102	5542063	J	0.05	1	LT GRY	30	SILT/SAND	DGC	Edge of cle	18/06/2010
T24	MMI1228	592155	5542019	J	0.75	1	GRY	90	CLAY	DGC	Pot hole	18/06/2010
T24	MMI1229	591560	5541800	I	0.4	1	GRY	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1230	591587	5541860	I	0.3	1	DK BRWN	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1231	591561	5541907	I	0.3	1	LT GRY	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1232	591560	5541960	I	0.5	5	LT GRY/BR	80	CLAY	DGC		18/06/2010
T24	MMI1233	591558	5542015	I	0.4	1	LT GRY	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1234	591558	5542080	I	0.5	2	LT GRY	80	CLAY	DGC		18/06/2010
T24	MMI1235	591543	5542151	I	1	2	GRY/ORG	90	CLAY	DGC		18/06/2010
T24	MMI1236	591577	5542171	I	0.5	2	LT GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1237	591555	5542229	I	1.5	2	DK GRY	80	CLAY	DGC		18/06/2010
T24	MMI1238	591552	5542298	I	1	1	ORG/BRW	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1239	591550	5542363	I	1	1	GRY	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1240	591340	5542373	I	1	1	BLU/GRY	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1241	591293	5542387	I	0.25	2	DK GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1242	591261	5542432	I	1.5	3	DK GRY	80	CLAY	DGC		18/06/2010
T24	MMI1243	591228	5542477	I	0.8	2	LT BRWN	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1244	591228	5542521	I	0.5	2	GRY	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1245	591197	5542565	I	0.8	3	DK GRY	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1246	591175	5542611	I	1	2	LT GRY	80	CLAY	DGC		18/06/2010
T24	MMI1247	591161	5542661	I	0.5	1	GRY/BRW	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1248	591139	5542702	I	1.5	2	DK GRY	90	CLAY	DGC		18/06/2010
T24	MMI1249	591118	5542754	I	0.4	2	LT GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1250	591092	5542796	I	0.5	1	LT GRY	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1251	591073	5542835	I	0.2	1	BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1252	591032	5542882	I	0.1	1	BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1253	591027	5542928	I	0.3	1	DK BRWN	80	CLAY	DGC		18/06/2010
T24	MMI1254	591016	5542979	I	0.1	3	BRWN	20	CLAY/SILT	DGC		18/06/2010
T24	MMI1255	590993	5543021	I	0.2	1	ORG/BRW	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1256	590967	5543072	I	0.2	1	BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1257	590951	5543111	I	0.3	2	DK GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1258	590926	5543164	I	0.5	1	LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1259	586012	5544224	A	0.3	1	GRY	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1260	585985	5544277	A	0.3	1	DK BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1261	585972	5544321	A	0.6	1	GRY/BRW	80	CLAY	DGC		18/06/2010
T24	MMI1262	585955	5544367	A	0.4	1	LT GRY	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1263	585930	5544408	A	0.6	1	GRY/BRW	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1264	586407	5544647	B	1.5	1	BL GRY	80	CLAY	DGC		18/06/2010
T24	MMI1265	586426	5544586	B	1	2	GRY/BRW	90	CLAY	DGC		18/06/2010
T24	MMI1266	586477	5544540	B	0.3	1	LT BRWN	30	CLAY/SILT	DGC		18/06/2010
T24	MMI1267	586466	5544484	B	0.5	1	BRWN	10	SILT	DGC		18/06/2010
T24	MMI1268	586476	5544447	B	0.5	1	GRY	90	CLAY	DGC		18/06/2010
T24	MMI1269	586486	5544396	B	0.3	1	GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1270	586504	5544349	B	0.2	1	GRY	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1271	586528	5544309	B	0.2	1	DK GRY	80	CLAY	DGC		18/06/2010
T24	MMI1272	590457	5544154	I	0.8	2	LT BRWN	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1273	590444	5544202	I	0.6	2	BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1274	590423	5544256	I	0.3	2	LT BRWN	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1275	590403	5544294	I	0.4	1	LT BRWN	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1276	590382	5544339	I	0.75	3	LT BRWN	35	CLAY/SILT	DGC		18/06/2010
T24	MMI1277	590334	5544423	I	0.8	2	BRWN	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1278	590350	5544373	I	0.3	1	BRWN	30	CLAY/SILT	DGC		18/06/2010
T24	MMI1279	590320	5544470	I	0.2	1	LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1280	590288	5544515	I	0.05	2	GRY/BRW	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1281	590284	5544562	I	1.4	3	LT GRY	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1282	590119	5544857	I	1.5	2	GRY	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1283	590114	5544921	I	0.4	2	BRWN	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1284	590088	5544973	I	0.4	2	LT BRWN	30	CLAY/SILT	DGC		18/06/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI1285	590064	5545015	I		1.25		2 LT GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1286	590028	5545064	I		1.3		2 BLU/GR	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1287	590012	5545104	I		0.75		2 BLU/GR	85	CLAY/SILT	DGC		18/06/2010
T24	MMI1288	590006	5545160	I		0.8		2 LT GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1289	589981	5545201	I		0.9		3 BRWN	85	CLAY/SILT	DGC		18/06/2010
T24	MMI1290	589958	5545248	I		1		2 LT BRWN	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1291	589937	5545282	I		0.6		3 GR	85	CLAY/SILT	DGC		18/06/2010
T24	MMI1292	586541	5544269	B		0.2		1 DK BRWN	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1293	586569	5544222	B		0.8		1 DK GR	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1294	586598	5544186	B		0.2		1 DK GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1295	586844	5544838	C		0.3		1 LT BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1296	586853	5544792	C		0.6		1 LT BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1297	586884	5544750	C		1		1 LT GR	80	CLAY	DGC		18/06/2010
T24	MMI1298	586897	5544707	C		1		2 BL GR	80	CLAY	DGC		18/06/2010
T24	MMI1299	586913	5544648	C		1		1 BL GR	90	CLAY	DGC		18/06/2010
T24	MMI1300	586940	5544603	C		0.75		1 LT GR	80	CLAY	DGC		18/06/2010
T24	MMI1301	586956	5544561	C		0.6		2 DK BRWN	80	CLAY	DGC		18/06/2010
T24	MMI1302	586978	5544521	C		1		1 LT BRWN	80	CLAY	DGC		18/06/2010
T24	MMI1303	586996	5544479	C		0.75		1 LT BRWN	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1304	587028	5544446	C		0.75		2 LT BRWN	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1305	587038	5544378	C		0.75		1 LT BRWN	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1306	587066	5544341	C		0.1		1 LT GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1307	587090	5544299	C		0.3		1 LT BRWN	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1308	587138	5544205	C		0.3		1 LT GR	80	CLAY	DGC		18/06/2010
T24	MMI1309	587105	5544250	C		0.3		1 LT BRWN	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1310	588193	5543238	D		0.4		1 GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1311	588206	5543190	D		0.1		1 GR BRW	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1312	588224	5543144	D		0.3		1 GR BRW	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1313	588238	5543101	D		0.5		2 GR BRW	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1314	588253	5543052	D		0.6		1 GR	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1315	588271	5543009	D		0.4		1 GR	80	SILT	DGC		18/06/2010
T24	MMI1316	588291	5542961	D		0.5		1 GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1317	588309	5542918	D		0.3		1 BRWN	40	SILT	DGC		18/06/2010
T24	MMI1318	587284	5545049	D		0.75		2 LT BRWN	40	CLAY	DGC		18/06/2010
T24	MMI1319	587310	5545008	D		0.15		1 GR BRW	40	SILT	DGC		18/06/2010
T24	MMI1320	587329	5544959	D		0.1		1 LT BRWN	20	CLAY/SILT	DGC		18/06/2010
T24	MMI1321	587344	5544912	D		0.2		1 LT BRWN	40	CLAY	DGC		18/06/2010
T24	MMI1322	587376	5544868	D		0.3		1 DK BRWN	75	SILT	DGC		18/06/2010
T24	MMI1323	587390	5544828	D		0.75		1 LT BRWN	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1324	587416	5544772	D		0.2		1 DK ORG B	20	SILT	DGC		18/06/2010
T24	MMI1325	587438	5544735	D		0.5		1 LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1326	587452	5544691	D		0.3		1 LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1327	587478	5544648	D		0.6		3 LT GR	80	CLAY	DGC	water hole	18/06/2010
T24	MMI1328	587496	5544599	D		0.8		3 BL GR	70	CLAY	DGC	water hole	18/06/2010
T24	MMI1329	587516	5544552	D		0.9		2 BL GR	90	CLAY	DGC	water hole	18/06/2010
T24	MMI1330	587544	5544504	D		0.9		2 GR	80	CLAY	DGC	water hole	18/06/2010
T24	MMI1331	587564	5544455	D		0.75		1 LT BRWN	80	CLAY	DGC		18/06/2010
T24	MMI1332	587585	5544412	D		0.8		2 LT BRWN	80	CLAY/SAN	DGC	water hole	18/06/2010
T24	MMI1333	587605	5544364	D		0.5		1 LT GR	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1334	587623	5544322	D		0.3		1 LT BRWN	30	CLAY/SILT	DGC		18/06/2010
T24	MMI1335	587651	5544279	D		0.2		1 BRWN	50	CLAY/SILT	DGC		18/06/2010
T24	MMI1336	587673	5544233	D		0.02		1 ORG GR	25	SILT	DGC		18/06/2010
T24	MMI1337	587696	5544184	D		0.1		2 DK BRWN	30	SILT	DGC		18/06/2010
T24	MMI1338	587715	5544140	D		0.05		1 ORG GR	15	SILT	DGC		18/06/2010
T24	MMI1339	587730	5544097	D		0.03		1 ORG	10	SILT	DGC		18/06/2010
T24	MMI1340	587759	5544050	D		0.05		1 ORG	10	SILT	DGC		18/06/2010
T24	MMI1341	587776	5544005	D		0.3		2 LT GR BR	30	CLAY/SILT	DGC		18/06/2010
T24	MMI1342	587795	5543958	D		0.6		3 LT GR	70	CLAY	DGC		18/06/2010
T24	MMI1343	587810	5543911	D		0.4		2 LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1344	587843	5543869	D		0.9		3 GR	80	CLAY	DGC	water hole	18/06/2010
T24	MMI1345	587856	5543826	D		0.4		1 LT BRWN	30	CLAY	DGC		18/06/2010
T24	MMI1346	587886	5543786	D		0.6		1 LT BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1347	587905	5543725	D		0.4		1 LT BRWN	30	CLAY/SILT	DGC		18/06/2010
T24	MMI1348	587926	5543691	D		0.3		1 LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1349	587940	5543636	D		0.05		3 LT BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1350	587972	5543598	D		0.3		1 LT BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1351	587984	5543551	D		0.6		2 LT GR	70	CLAY/SILT	DGC		18/06/2010
T24	MMI1352	588002	5543504	D		0.75		2 LT GR	90	CLAY	DGC	water hole	18/06/2010
T24	MMI1353	588028	5543461	D		0.75		2 GR	75	CLAY	DGC		18/06/2010
T24	MMI1354	588120	5543280	D		0.8		3 GR	70	CLAY	DGC		18/06/2010
T24	MMI1355	588603	5543395	E		0.4		1 BRWN	70	CLAY/SAN	DGC		18/06/2010
T24	MMI1356	588632	5543360	E		0.25		1 LT BRWN	25	CLAY	DGC		18/06/2010
T24	MMI1357	588656	5543314	E		0.3		2 GR BRW	60	CLAY	DGC		18/06/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI1358	588670	5543266	E		1		3 LT GR	85	CLAY	DGC		18/06/2010
T24	MMI1359	588695	5543215	E		0.5		3 LT GR	70	CLAY	DGC		18/06/2010
T24	MMI1360	588708	5543177	E		0.5		3 LT GR	70	CLAY	DGC		18/06/2010
T24	MMI1361	588730	5543129	E		0.4		1 LT GR	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1362	588754	5543086	E		0.75		2 LT GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1363	588783	5543035	E		0.2		1 DK BRWN	40	CLAY	DGC		18/06/2010
T24	MMI1364	588800	5542986	E		0.1		2 LT GR	80	CLAY	DGC		18/06/2010
T24	MMI1365	588820	5542940	E		0.3		1 LT GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1366	588844	5542901	E		1.1		2 GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1376	588329	5542873	D		0.4		1 BRWN	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1377	588348	5542825	D		0.5		1 GR BRW	30	CLAY/SILT	DGC		18/06/2010
T24	MMI1378	588370	5542779	D		0.2		1 LT GR	60	CLAY/SILT	DGC		18/06/2010
T24	MMI1379	588388	5542734	D		0.3		1 GR	80	CLAY/SILT	DGC		18/06/2010
T24	MMI1380	588422	5542689	D		0.5		1 GR	90	CLAY/SILT	DGC		18/06/2010
T24	MMI1381	588447	5542642	D		0.3		1 DK BRWN	20	SILT	DGC		18/06/2010
T24	MMI1382	588471	5542597	D		0.1		1 BRWN	40	CLAY/SILT	DGC		18/06/2010
T24	MMI1986	587152	5544162	C		0.4		1 BRWN	90	SILT CLAY	DGC		14/07/2010
T24	MMI1987	587179	5544097	C		0.3		1 BRWN	80	SILT CLAY	DGC		14/07/2010
T24	MMI1988	587188	5544064	C		0.2		1 LT BRWN	50	SILT CLAY	DGC		14/07/2010
T24	MMI1989	587222	5544021	C		0.3		1 BRWN	70	SILT CLAY	DGC		14/07/2010
T24	MMI1990	587236	5543977	C		0.4		2 GR	60	SILT CLAY	DGC		14/07/2010
T24	MMI1991	587258	5543921	C		0.4		1 LT BRWN	80	SILT CLAY	DGC		14/07/2010
T24	MMI1992	587272	5543881	C		0.6		1 BLU GR	90	SILT CLAY	DGC		14/07/2010
T24	MMI1993	587315	5543838	C		0.5		1 LT BRWN	60	SILT CLAY	DGC		14/07/2010
T24	MMI1994	587320	5543800	C		0.4		1 BRWN	60	SILT CLAY	DGC		14/07/2010
T24	MMI1995	587345	5543752	C		0.5		2 LT BRWN	40	SILT CLAY	DGC		14/07/2010
T24	MMI1996	587365	5543703	C		0.4		1 LT BRWN	50	SILT CLAY	DGC		14/07/2010
T24	MMI1997	587392	5543653	C		0.2		1 BRWN	70	CLAY	DGC		14/07/2010
T24	MMI1998	587410	5543613	C		0.1		1 GR BRW	40	CLAY	DGC		14/07/2010
T24	MMI1999	587428	5543575	C		0.4		2 LT BRWN	60	CLAY	DGC		14/07/2010
T24	MMI2000	587401	5543509	C		0.1		1 LT BRWN	40	CLAY/SILT	DGC		14/07/2010
T24	MMI2001	587455	5543482	C		0.5		2 BLU GR	80	CLAY/SILT	DGC	WATER H	14/07/2010
T24	MMI2033	587485	5543431	C		0.2		1 LT BRWN	20	CLAY/SILT	DGC		14/07/2010
T24	MMI2034	587513	5543389	C		0.1		1 LT BRWN	90	CLAY/SILT	DGC	WATER H	14/07/2010
T24	MMI2035	587539	5543341	C		0.2		1 GR	80	CLAY/SILT	DGC	WATER H	14/07/2010
T24	MMI2036	587553	5543300	C		0.6		1 LT BRWN	70	CLAY/SILT	DGC		14/07/2010
T24	MMI2037	587583	5543250	C		0.8		1 BLU GR	80	CLAY/SILT	DGC	WATER H	14/07/2010
T24	MMI2038	587594	5543207	C		0.6		1 LT BRWN	90	CLAY/SILT	DGC	WATER H	14/07/2010
T24	MMI2039	587621	5543164	C		0.5		1 LT GR	70	CLAY/SILT	DGC	WATER H	14/07/2010
T24	MMI2040	587646	5543118	C		0.1		1 LT BRWN	10	CLAY	DGC		14/07/2010
T24	MMI2041	587658	5543064	C		0.1		1 DK GR	20	CLAY	DGC		14/07/2010
T24	MMI2042	587684	5543031	C		0.4		1 GR	40	SILT	DGC		14/07/2010
T24	MMI2043	587707	5542980	C		1		2 BLU GR	60	CLAY	DGC		14/07/2010
T24	MMI2044	587726	5542939	C		3		5 BLU GR	90	CLAY/SILT	DGC		14/07/2010
T24	MMI2045	587764	5542864	C		1.5		2 BLU GR	70	CLAY/SILT	DGC		14/07/2010
T24	MMI2046	587790	5542800	C		0.1		1 ORG BRW	40	CLAY/SILT	DGC		14/07/2010
T24	MMI2047	587815	5542758	C		0.4		2 LT BRWN	30	CLAY	DGC		14/07/2010
T24	MMI2048	587826	5542705	C		0.2		1 LT BRWN	60	CLAY/SILT	DGC	CLEAR CL	14/07/2010
T24	MMI2049	587845	5542649	C		0.1		1 LT BRWN	40	CLAY	DGC	CLEAR CL	14/07/2010
T24	MMI4015	589717	5544017	G2		0.1		1 BRWN OR	60	SILT	DGC		09/08/2010
T24	MMI4016	589729	5543993	G2		0.05		1 BRWN OR	70	SILT	DGC		09/08/2010
T24	MMI4017	589745	5543975	G2		0.05		1 BRWN OR	50	SILT	DGC		09/08/2010
T24	MMI4018	589747	5543951	G2		0.1		1 BRWN OR	60	CLAY/SILT	DGC		09/08/2010
T24	MMI4019	589759	5543927	G2		0.1		1 BRWN OR	50	SILT	DGC		09/08/2010
T24	MMI4020	589773	5543903	G2		0.1		1 BRWN OR	50	SILT	DGC		09/08/2010
T24	MMI4021	589780	5543875	G2		0.1		1 BRWN OR	80	SILT	DGC		09/08/2010
T24	MMI4022	589786	5543852	G2		0.05		1 BRWN OR	50	SILT	DGC		09/08/2010
T24	MMI4023	589782	5543826	G2		0.05		1 BRWN OR	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4024	589779	5543804	G2		0.05		2 BRWN OR	60	CLAY/SILT	DGC		09/08/2010
T24	MMI4025	589774	5543776	G2		0.05		1 BRWN OR	50	SILT	DGC		09/08/2010
T24	MMI4026	589772	5543748	G2		1		1 LT BRWN	60	CLAY/SILT	DGC		09/08/2010
T24	MMI4027	588790	5543620	E2		0.4		0 BRWN	40	CLAY/SILT	DGC		09/08/2010
T24	MMI4028	588804	5543602	E2		0.4		1 GR BRW	70	CLAY	DGC	SAMPLED	09/08/2010
T24	MMI4029	588825	5543589	E2		0.2		0 BRWN	30	CLAY/SILT	DGC		09/08/2010
T24	MMI4030	588821	5543560	E2		0.4		1 DK BRWN	60	CLAY	DGC		09/08/2010
T24	MMI4031	588811	5543525	E2		0.4		1 DK BRWN	60	CLAY	DGC		09/08/2010
T24	MMI4032	588801	5543494	E2		0.15		1 DK BRWN	40	CLAY/SILT	DGC		09/08/2010
T24	MMI4033	588827	5543476	E2		0.3		1 BRWN	10	CLAY	DGC		09/08/2010
T24	MMI4034	588846	5543460	E2		0.4		1 GR	50	CLAY	DGC		09/08/2010
T24	MMI4035	588879	5543448	E2		0.4		1 LT BRWN	60	CLAY	DGC		09/08/2010
T24	MMI4036	588877	5543421	E2		0.2		0 GR BRW	20	CLAY	DGC		09/08/2010
T24	MMI4037	588893	5543405	E2		0.3		3 BRWN	70	CLAY	DGC		09/08/2010
T24	MMI4038	589712	5544042	G2		0.1		1 BRWN OR	70	SILT	DGC		09/08/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI4087	590173	5544914	9A		2		3 DK GRY	60	CLAY	DGC		09/08/2010
T24	MMI4088	590191	5545004	9A		0.3		1 GRY BRW	70	CLAY	DGC		09/08/2010
T24	MMI4103	590172	5544970	9A		1.5		5 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4104	590195	5545029	9A		0.4		1 GRY	60	CLAY	DGC		09/08/2010
T24	MMI4105	590195	5545056	9A		0.5		3 DK GRY	60	CLAY	DGC		09/08/2010
T24	MMI4107	590187	5545078	9A		0.2		1 DK BRWN	65	CLAY	DGC		09/08/2010
T24	MMI4108	590161	5545101	9A		0.5		1 GRY	65	CLAY	DGC		09/08/2010
T24	MMI4109	590142	5545119	9A		0.3		1 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4110	590126	5545135	9A		0.3		0 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4111	590115	5545164	9A		0.4		1 DK GRY B	70	CLAY/SILT	DGC		09/08/2010
T24	MMI4112	590081	5545175	9A		0.2		0 GRY	80	CLAY	DGC		09/08/2010
T24	MMI4113	590090	5545204	9A		0.4		0 LT BRWN	70	CLAY	DGC		09/08/2010
T24	MMI4253	589083	5544156	F2		0.05		1 ORG BRW	20	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4254	589083	5544133	F2		0.1		1 GRY ORG	20	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4255	589096	5544111	F2		0.1		1 ORG	40	SILT/SAND	DGC	CLEAR CL	09/08/2010
T24	MMI4256	589115	5544088	F2		0.15		1 ORG	20	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4257	589120	5544068	F2		0.15		1 ORG	40	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4258	589128	5544044	F2		0.2		1 ORG	40	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4259	589137	5544025	F2		0.1		1 ORG	40	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4260	589146	5543995	F2		0.2		1 ORG	40	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4261	589152	5543975	F2		0.1		1 LT GRY	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4272	590081	5545222	9A		0.2		0 LT GRY	80	CLAY	DGC		09/08/2010
T24	MMI4274	588782	5543640	E2		0.5		0 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4275	588767	5543671	E2		0.3		0 BRWN	50	CLAY	DGC		09/08/2010
T24	MMI4276	588751	5543702	E2		0.2		0 BRWN	70	CLAY/SILT	DGC		09/08/2010
T24	MMI4281	589300	5543601	F2		0.03		1 BRWN	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4282	589316	5543580	F2		0.05		1 BRWN	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4283	589342	5543563	F2		0.01		1 GRY BRW	40	CLAY/SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4292	588610	5544039	E2		0.8		3 GRY	70	CLAY	DGC		09/08/2010
T24	MMI4293	588624	5544021	E2		0.6		1 LT BRWN	70	CLAY	DGC		09/08/2010
T24	MMI4294	588638	5543994	E2		0.5		2 GRY BRW	70	CLAY/SILT	DGC		09/08/2010
T24	MMI4295	588643	5543972	E2		0.3		1 BRWN	70	CLAY/SILT	DGC		09/08/2010
T24	MMI4296	588656	5543952	E2		0.3		1 DK GRY	60	CLAY/SILT	DGC		09/08/2010
T24	MMI4297	588665	5543919	E2		0.4		0 LT GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4298	588672	5543905	E2		0.4		0 BRWN	70	CLAY/SILT	DGC	LARGE QU	09/08/2010
T24	MMI4299	588691	5543874	E2		0.5		0 GRY	90	CLAY	DGC		09/08/2010
T24	MMI4300	588704	5543863	E2		0.15		1 LT BRWN	30	CLAY	DGC	LARGE DE	09/08/2010
T24	MMI4301	588706	5543840	E2		1		2 BLU GRY	70	CLAY	DGC		09/08/2010
T24	MMI4302	588706	5543810	E2		2		2 BLU GRY	95	CLAY	DGC		09/08/2010
T24	MMI4303	588704	5543781	E2		0.6		1 BRWN GR	65	CLAY	DGC		09/08/2010
T24	MMI4304	588733	5543766	E2		0.7		2 BLU GRY	90	CLAY	DGC		09/08/2010
T24	MMI4305	588742	5543741	E2		0.4		2 GRY	70	CLAY	DGC		09/08/2010
T24	MMI4306	588759	5543721	E2		0.4		1 DK GRY	70	CLAY	DGC		09/08/2010
T24	MMI4314	591097	5544028	A		0.1		1 DK GRY	40	SILT/SAND	DGC		09/08/2010
T24	MMI4315	591133	5543986	A		0.1		1 GRY ORG	30	SILT/SAND	DGC		09/08/2010
T24	MMI4316	591168	5543931	A		0.1		1 LT BRWN	40	SILT	DGC		09/08/2010
T24	MMI4317	591216	5543889	A		0.1		1 LT BRWN	40	SILT	DGC		09/08/2010
T24	MMI4318	591250	5543829	A		0.1		1 GRY BRW	30	SILT	DGC		09/08/2010
T24	MMI4319	591228	5543798	A		0.05		1 GRY ORG	30	SILT	DGC		09/08/2010
T24	MMI4320	591252	5543743	A		0.05		1 GRY BRW	20	SILT	DGC		09/08/2010
T24	MMI4321	591284	5543694	A		0.1		1 GRY ORG	30	SILT	DGC		09/08/2010
T24	MMI4322	592168	5544129	C2		0.2		1 GRY ORG	30	SILT	DGC		09/08/2010
T24	MMI4323	592203	5544088	C2		0.1		1 GRY ORG	30	SILT	DGC		09/08/2010
T24	MMI4324	592212	5544038	C2		0.1		1 BRWN OR	50	SILT	DGC		09/08/2010
T24	MMI4325	592226	5543988	C2		0.1		2 BRWN OR	60	CLAY/SILT	DGC		09/08/2010
T24	MMI4326	592225	5543950	C2		0.4		2 GRY BRW	60	CLAY/SILT	DGC		09/08/2010
T24	MMI4327	589608	5544168	G2		0.8		1 DK BRWN	80	SILT	DGC		09/08/2010
T24	MMI4328	589608	5544158	G2		0.1		1 BRWN OR	30	SILT	DGC		09/08/2010
T24	MMI4329	589619	5544138	G2		0.1		1 BRWN OR	20	SILT	DGC		09/08/2010
T24	MMI4330	589639	5544115	G2		0.05		1 GRY BRW	20	SILT	DGC		09/08/2010
T24	MMI4331	589654	5544095	G2		0.1		1 GRY ORG	30	SILT	DGC		09/08/2010
T24	MMI4332	589675	5544071	G2		0.1		1 GRY ORG	30	SILT	DGC		09/08/2010
T24	MMI4333	589694	5544060	G2		0.1		1 BRWN OR	40	SILT	DGC		09/08/2010
T24	MMI4334	589175	5543951	F2		0.05		1 ORG	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4335	589173	5543925	F2		0.02		1 LT GRY	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4336	589190	5543902	F2		0.1		1 ORG BRW	10	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4337	589189	5543878	F2		0.05		1 ORG BRW	20	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4338	589201	5543860	F2		0.05		1 BRWN	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4339	589212	5543834	F2		0.05		1 LT BRWN	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4340	589220	5543811	F2		0.05		1 ORG	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4341	589234	5543790	F2		0.05		1 BRWN	30	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4342	589239	5543767	F2		0.05		1 BRWN	20	SILT	DGC	CLEAR CL	09/08/2010
T24	MMI4343	589245	5543739	F2		0.05		1 GRY BRW	60	CLAY/SILT	DGC	CLEAR CL	09/08/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI4344	589261	5543722	F2		0.05		1 ORG	30	SILT	DGC	CLEAR CU	09/08/2010
T24	MMI4345	589269	5543698	F2		0.05		1 ORG	30	SILT	DGC	CLEAR CU	09/08/2010
T24	MMI4346	589273	5543665	F2		0.05		1 GRY	30	SILT	DGC	CLEAR CU	09/08/2010
T24	MMI4347	589290	5543648	F2		0.1		1 ORG	30	SILT	DGC	CLEAR CU	09/08/2010
T24	MMI4348	589297	5543632	F2		0.03		1 BRWN	30	SILT	DGC	CLEAR CU	09/08/2010
T24	MMI4390	590085	5545251	9A		0.4		0 LT GRY	80	CLAY	DGC		09/08/2010
T24	MMI4391	590166	5544939	9A		1.5		1 BLU GRY	80	CLAY	DGC		09/08/2010
T24	MMI4401	589942	5544759	H2		0.6		1 LT GRY	85	CLAY/SILT	DGC		09/08/2010
T24	MMI4402	589933	5544779	H2		0.4		2 BRWN	70	CLAY/SILT	DGC		09/08/2010
T24	MMI4403	589921	5544801	H2		0.7		3 GRY	70	SILT	DGC		09/08/2010
T24	MMI4404	589910	5544818	H2		1.1		1 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4405	589879	5544841	H2		0.8		2 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4406	589886	5544866	H2		1.7		4 GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4407	589836	5545123	H2		1.9		3 LT GRY	80	CLAY/SILT	DGC		09/08/2010
T24	MMI4834	590221	5542933	G1		0.03		1 ORG	10	SILT	DGC		01/09/2010
T24	MMI4835	590213	5542960	G1		0.04		1 LT GRY	10	SILT	DGC		01/09/2010
T24	MMI4836	590196	5542973	G1		0.03		1 GRY	10	SILT	DGC		01/09/2010
T24	MMI4837	590185	5542997	G1		0.05		1 LT BRWN	10	SILT	DGC		01/09/2010
T24	MMI4838	590177	5543016	G1		0.02		1 LT GRY OI	10	SILT	DGC		01/09/2010
T24	MMI4839	590162	5543043	G1		0.02		1 LT GRY OI	10	SILT	DGC		01/09/2010
T24	MMI4840	590155	5543069	G1		0.02		1 LT GRY OI	10	SILT	DGC		01/09/2010
T24	MMI4841	590140	5543082	G1		0.02		1 BRWN	30	SILT	DGC		01/09/2010
T24	MMI4842	590128	5543116	G1		0.15		3 GRY BRW	40	SILT	DGC		01/09/2010
T24	MMI4843	590121	5543130	G1		0.05		3 BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4844	590116	5543151	G1		0.05		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4845	590093	5543175	G1		0.02		1 GRY	30	SILT	DGC		01/09/2010
T24	MMI4846	590086	5543198	G1		0.05		1 ORG	20	SILT	DGC		01/09/2010
T24	MMI4847	590075	5543220	G1		0.02		1 ORG	20	SILT	DGC		01/09/2010
T24	MMI4848	590070	5543244	G1		0.05		1 GRY ORG	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4849	590052	5543266	G1		0.05		1 BRWN	50	SILT	DGC		01/09/2010
T24	MMI4850	590039	5543288	G1		0.15		1 BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4865	590792	5541828	G1		0.8		1 GRY	70	CLAY	DGC		01/09/2010
T24	MMI4866	590778	5541844	G1		0.6		2 DK GRY	50	CLAY	DGC		01/09/2010
T24	MMI4867	590770	5541864	G1		0.4		1 GRY	60	CLAY	DGC		01/09/2010
T24	MMI4868	590757	5541889	G1		0.3		1 GRY	60	CLAY	DGC		01/09/2010
T24	MMI4869	590749	5541911	G1		0.4		1 BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI4870	590734	5541932	G1		0.2		1 GRY	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4871	590708	5541956	G1		0.2		1 GRY	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4872	590704	5541978	G1		0.1		1 LT BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4873	590697	5542004	G1		0.1		1 BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI4874	590686	5542022	G1		0.1		1 ORG BRW	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4875	590678	5542043	G1		0.1		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4886	589961	5542068	G		0.1		2 OR BRWN	20	SILT	DGC		01/09/2010
T24	MMI4887	589945	5542090	G		0.1		2 LT GRY	20	SILT	DGC		01/09/2010
T24	MMI4888	589937	5542110	G		0.1		2 OR BRWN	20	SILT	DGC		01/09/2010
T24	MMI4889	589921	5542134	G		0.1		2 OR BRWN	20	SILT	DGC		01/09/2010
T24	MMI4890	589913	5542158	G		0.15		2 BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4891	589903	5542178	G		0.2		2 BRWN	20	SILT	DGC		01/09/2010
T24	MMI4892	589894	5542201	G		0.1		2 GRY	60	SILT	DGC		01/09/2010
T24	MMI4893	589881	5542222	G		0.1		2 LT BRWN	20	SILT	DGC		01/09/2010
T24	MMI4894	589869	5542245	G		0.1		2 OR BRWN	20	SILT	DGC		01/09/2010
T24	MMI4895	589862	5542267	G		0.1		2 LT BRWN	30	SILT	DGC		01/09/2010
T24	MMI4896	589848	5542289	G		0.5		2 OR BRWN	30	SILT	DGC		01/09/2010
T24	MMI4897	589839	5542309	G		0.2		2 OR BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4898	589815	5542327	G		0.2		2 LT BRWN	60	SILT	DGC		01/09/2010
T24	MMI4899	589812	5542352	G		0.2		2 DK BRWN	30	SILT	DGC		01/09/2010
T24	MMI4900	589808	5542382	G		0.3		2 DK BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4901	590662	5542068	G1		0.1		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4902	590654	5542097	G1		0.05		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4903	590654	5542117	G1		0.05		1 DK ORG B	30	SILT	DGC		01/09/2010
T24	MMI4904	590635	5542138	G1		0.05		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4905	590619	5542157	G1		0.05		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4906	590608	5542179	G1		0.05		1 GRY BRW	30	SILT	DGC		01/09/2010
T24	MMI4907	590594	5542203	G1		0.05		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4908	590578	5542220	G1		0.05		1 GRY ORG	30	SILT	DGC		01/09/2010
T24	MMI4909	590569	5542245	G1		0.05		1 GRY ORG	70	SILT	DGC		01/09/2010
T24	MMI4910	590561	5542270	G1		0.05		1 GRY ORG	30	SILT	DGC		01/09/2010
T24	MMI4911	590548	5542296	G1		0.1		1 ORG BRW	30	SILT	DGC		01/09/2010
T24	MMI4912	590541	5542312	G1		0.2		1 ORG BRW	50	SILT	DGC		01/09/2010
T24	MMI4913	590527	5542334	G1		0.1		1 LT BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4914	590514	5542354	G1		0.1		1 ORG BRW	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4915	590505	5542378	G1		0.2		1 GRY ORG	20	SILT	DGC		01/09/2010
T24	MMI4916	590491	5542402	G1		0.1		1 GRY ORG	20	SILT	DGC		01/09/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI4917	590484	5542421	G1		0.1		1 LT BRWN	30	SILT	DGC		01/09/2010
T24	MMI4918	590481	5542448	G1		0.1		1 GRY ORG	20	SILT	DGC	LOTS OF F	01/09/2010
T24	MMI4919	590468	5542480	G1		0.3		1 BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4920	590462	5542501	G1		0.3		1 LT GRY	10	SILT	DGC		01/09/2010
T24	MMI4921	590437	5542511	G1		0.1		1 GRY	60	CLAY	DGC	GRASSY	01/09/2010
T24	MMI4922	590421	5542530	G1		0.05		1 BRWN	20	CLAY/SILT	DGC		01/09/2010
T24	MMI4923	590408	5542559	G1		0.05		1 ORG BRWN	30	SILT	DGC		01/09/2010
T24	MMI4924	590403	5542575	G1		0.1		1 ORG BRWN	30	SILT	DGC		01/09/2010
T24	MMI4925	590393	5542604	G1		0.1		1 GRY ORG	30	SILT	DGC		01/09/2010
T24	MMI4926	590026	5543308	G1		0.2		1 BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI4927	590020	5543335	G1		0.3		2 GRY BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4928	590003	5543358	G1		0.4		2 GRY BRWN	60	CLAY	DGC		01/09/2010
T24	MMI4929	589989	5543381	G1		0.6		3 GRY BRWN	70	CLAY	DGC		01/09/2010
T24	MMI4930	589977	5543397	G1		1		6 GRY	60	CLAY	DGC		01/09/2010
T24	MMI4931	589971	5543412	G1		1.9		7 LT GRY	90	CLAY	DGC		01/09/2010
T24	MMI4932	590251	5542865	G1		0.05		1 ORG	20	SILT	DGC		01/09/2010
T24	MMI4933	590266	5542845	G1		0.02		2 ORG	20	SILT	DGC		01/09/2010
T24	MMI4934	590275	5542823	G1		0.02		2 GRY	20	SILT	DGC		01/09/2010
T24	MMI4935	590284	5542797	G1		0.01		1 LT BRWN	20	SILT	DGC		01/09/2010
T24	MMI4936	590299	5542778	G1		0.02		2 BRWN	30	SILT	DGC		01/09/2010
T24	MMI4937	590313	5542753	G1		0.03		3 BRWN	20	SILT	DGC		01/09/2010
T24	MMI4938	591193	5541908	H2		0.3		2 GRY	80	CLAY	DGC		01/09/2010
T24	MMI4939	591190	5541926	H2		0.7		4 LT BRWN	80	CLAY/SILT	DGC		01/09/2010
T24	MMI4940	591177	5541950	H2		0.7		5 LT BRWN	80	CLAY/SILT	DGC		01/09/2010
T24	MMI4941	591171	5541970	H2		0.6		4 LT BRWN	80	CLAY/SILT	DGC		01/09/2010
T24	MMI4942	591159	5541998	H2		0.5		5 LT BRWN	80	CLAY/SILT	DGC		01/09/2010
T24	MMI4943	591151	5542020	H2		0.4		3 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4944	591134	5542036	H2		0.4		3 LT BRWN	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4945	591137	5542067	H2		0.4		1 LT GRY BRWN	20	SILT	DGC		01/09/2010
T24	MMI4946	591116	5542082	H2		0.4		3 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4947	591100	5542109	H2		0.5		2 GRY BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI4948	591096	5542125	H2		1.7		3 GRY	80	CLAY	DGC		01/09/2010
T24	MMI4949	591080	5542149	H2		0.8		3 LT BRWN	80	CLAY/SILT	DGC		01/09/2010
T24	MMI4950	591072	5542174	H2		0.9		4 LT GRY BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4951	589789	5542404	G		0.3		2 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4952	589781	5542429	G		0.3		2 LT BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4953	589763	5542447	G		0.8		2 LT GRY	70	SILT	DGC		01/09/2010
T24	MMI4954	589761	5542470	G		0.9		8 LT GRY	90	SILT/CLAY	DGC		01/09/2010
T24	MMI4955	589747	5542491	G		1		2 GRY	60	SILT/CLAY	DGC		01/09/2010
T24	MMI4956	589737	5542510	G		1.1		5 GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4957	589718	5542538	G		0.9		2 GRY	70	SILT	DGC		01/09/2010
T24	MMI4958	589710	5542555	G		0.4		2 GRY	90	SILT	DGC		01/09/2010
T24	MMI4959	590119	5541754	G		0.4		2 LT GRY	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4960	590107	5541776	G		0.4		2 LT BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4961	590096	5541799	G		0.4		2 GRY	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4962	590080	5541823	G		0.4		2 GRY	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4963	590071	5541848	G		0.4		2 BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4964	590067	5541870	G		0.4		2 GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI4965	590051	5541888	G		0.2		2 LT GRY	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4966	590040	5541910	G		0.2		2 BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI4967	590020	5541936	G		0.2		2 BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4968	590015	5541959	G		0.1		2 BRWN	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4969	590006	5541977	G		0.3		2 OR BRWN	20	SILT	DGC		01/09/2010
T24	MMI4970	590000	5542000	G		0.2		2 BRWN	30	SILT	DGC		01/09/2010
T24	MMI4971	591067	5542200	H2		0.4		5 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI4972	591059	5542219	H2		0.2		1 LT BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4973	591048	5542256	H2		0.8		5 GRY	90	CLAY	DGC		01/09/2010
T24	MMI4974	591039	5542269	H2		0.6		3 LT BRWN	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4975	591021	5542289	H2		0.5		3 LT BRWN	50	CLAY/SILT	DGC		01/09/2010
T24	MMI4976	590379	5542619	G1		0.05		1 GRY ORG	20	SILT	DGC		01/09/2010
T24	MMI4977	590367	5542650	G1		0.1		1 ORG BRWN	20	SILT	DGC		01/09/2010
T24	MMI4978	590354	5542666	G1		0.1		1 GRY ORG	20	SILT	DGC		01/09/2010
T24	MMI4979	590345	5542691	G1		0.1		1 ORG BRWN	30	SILT	DGC		01/09/2010
T24	MMI4980	590332	5542709	G1		0.1		1 ORG BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI4981	590324	5542735	G1		0.1		1 ORG BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI5001	590999	5542324	H2		1.6		6 GRY	90	CLAY	DGC		01/09/2010
T24	MMI5002	591010	5542340	H2		0.8		4 GRY	80	CLAY	DGC		01/09/2010
T24	MMI5003	590994	5542362	H2		1.2		5 GRY	80	CLAY	DGC		01/09/2010
T24	MMI5004	590979	5542381	H2		1.5		7 GRY	90	CLAY	DGC		01/09/2010
T24	MMI5005	590968	5542399	H2		2		8 GRY	90	CLAY	DGC		01/09/2010
T24	MMI5006	590861	5542412	H2		1.7		6 LT BRWN	90	CLAY	DGC		01/09/2010
T24	MMI5007	590847	5542431	H2		1.2		6 LT BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5008	590839	5542457	H2		1.7		5 LT BRWN	70	CLAY/SILT	DGC		01/09/2010

Target	Sample	East	North	Line	Depth	Hum	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T24	MMI5009	590821	5542474	H2		1.5		5 GRY ORG	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5010	590798	5542503	H2		1		5 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5011	590795	5542528	H2		1		4 BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5012	590786	5542549	H2		0.5		2 LT BRWN	30	SILT	DGC		01/09/2010
T24	MMI5013	590777	5542577	H2		0.7		3 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5014	590765	5542592	H2		0.5		4 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5015	590760	5542627	H2		0.5		5 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5016	590749	5542643	H2		0.5		5 LT BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI5017	590733	5542659	H2		0.4		3 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5018	590723	5542680	H2		0.6		3 GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5019	590724	5542704	H2		0.6		4 LT BRWN	50	CLAY/SILT	DGC		01/09/2010
T24	MMI5020	590703	5542727	H2		0.9		5 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5021	590701	5542756	H2		0.4		6 GRY	50	CLAY	DGC		01/09/2010
T24	MMI5022	590688	5542776	H2		0.3		5 LT BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5023	590676	5542795	H2		0.3		4 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5024	590662	5542809	H2		0.3		4 LT BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI5025	590643	5542831	H2		0.5		5 LT BRWN	30	CLAY/SILT	DGC		01/09/2010
T24	MMI5051	590665	5543091	H2		0.3		2 LT BRWN	40	CLAY/SILT	DGC		01/09/2010
T24	MMI5052	590655	5543112	H2		0.4		2 LT GRY	40	CLAY/SILT	DGC		01/09/2010
T24	MMI5053	590651	5543134	H2		0.3		2 GRY	40	CLAY/SILT	DGC		01/09/2010
T24	MMI5054	590634	5543156	H2		0.4		2 LT GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5055	590631	5543185	H2		0.4		2 LT GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5056	590614	5543203	H2		0.5		2 LT GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5057	590605	5543229	H2		0.4		2 GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5058	590594	5543252	H2		0.3		5 DK GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5059	590576	5543273	H2		0.4		2 LT GRY	40	CLAY/SILT	DGC		01/09/2010
T24	MMI5060	590574	5543299	H2		0.4		2 GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5061	590565	5543316	H2		0.5		2 BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5062	590553	5543342	H2		0.5		2 LT GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5063	590548	5543369	H2		0.5		2 BLU GRY	80	CLAY	DGC		01/09/2010
T24	MMI5064	590533	5543387	H2		0.4		2 LT GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5065	590520	5543407	H2		0.6		2 GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5066	590512	5543428	H2		0.8		2 GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5067	590492	5543453	H2		0.5		2 LT BRWN	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5068	590496	5543475	H2		0.4		2 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5069	590477	5543502	H2		0.4		2 LT BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5070	590472	5543532	H2		0.3		2 LT BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5071	590464	5543548	H2		0.3		2 LT BRWN	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5072	590455	5543572	H2		0.4		2 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5073	590443	5543594	H2		0.5		2 LT GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5074	590433	5543623	H2		0.5		2 LT GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5075	590419	5543646	H2		0.3		2 DK GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5076	590404	5543656	H2		0.2		2 GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5077	590401	5543691	H2		0.5		2 GRY	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5078	590391	5543703	H2		0.5		2 GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5079	590380	5543709	H2		0.4		2 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5080	590679	5543069	H2		0.2		2 LT BRWN	60	CLAY/SILT	DGC		01/09/2010
T24	MMI5081	590690	5543045	H2		0.2		2 LT GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5082	590695	5543016	H2		0.5		2 LT GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5083	590702	5542997	H2		0.3		2 LT GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5084	590719	5542977	H2		0.3		2 LT GRY	80	CLAY/SILT	DGC		01/09/2010
T24	MMI5085	590727	5542956	H2		0.3		2 LT GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5086	590740	5542931	H2		0.3		2 LT GRY	70	CLAY/SILT	DGC		01/09/2010
T24	MMI5087	590746	5542908	H2		0.4		2 BLU GRY	70	CLAY/SILT	DGC		01/09/2010
T27	MMI3288	591776	5544905	C		0.02		1 LT BRWN	10	SILT	DGC	very leache	30/07/2010
T27	MMI3289	591762	5544949	C		0.02		1 LT BRWN	10	SILT	DGC	very leache	30/07/2010
T27	MMI3290	591740	5544994	C		0.02		1 LT BRWN	25	SILT	DGC		30/07/2010
T27	MMI3291	591724	5545044	C		0.03		1 ORG BRW	25	SILT	DGC		30/07/2010
T27	MMI3292	591699	5545088	C		0.05		1 LT ORG B	20	SILT	DGC		30/07/2010
T27	MMI3314	591535	5546613	D		0.15		2 ORG BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3315	591512	5546655	D		0.1		5 ORG BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3316	591500	5546709	D		0.1		2 ORG BRW	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3317	591470	5546743	D		0.1		2 BRWN	40	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3318	591559	5546572	D		0.2		2 ORG BRW	15	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3319	591584	5546521	D		0.2		2 ORG BRW	15	SILT	DGC	ROAD IN C	30/07/2010
T27	MMI3320	591597	5546476	D		0.1		2 LT GRY	5	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3321	591620	5546440	D		0.2		2 ORG BRW	15	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3322	591649	5546387	D		0.2		2 ORG BRW	15	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3323	591663	5546338	D		0.2		2 ORG BRW	40	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3324	591674	5546284	D		0.3		2 GRY	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3325	591681	5546246	D		0.4		2 GRY	60	CLAY	DGC	EDGE OF	30/07/2010
T27	MMI3326	591682	5546204	D		0.3		2 BRWN	60	SILT	DGC	EDGE OF	30/07/2010
T27	MMI3327	591680	5546155	D		0.2		2 BRWN	60	SILT	DGC	EDGE OF	30/07/2010

Target	Sample	East	North	Line	Depth	Humidity	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T27	MMI3328	591775	5546124	D		1.4		5 GRY	90	CLAY	DGC	MARSH BF	30/07/2010
T27	MMI3329	591810	5546076	D		1.5		2 GRY	90	CLAY/SILT	DGC	MARSH BF	30/07/2010
T27	MMI3330	591814	5546022	D		1.3		2 GRY	80	CLAY/SILT	DGC	MARSH BF	30/07/2010
T27	MMI3331	591834	5545978	D		1.5		2 GRY	80	CLAY/SILT	DGC	MARSH BF	30/07/2010
T27	MMI3332	591852	5545936	D		1.3		2 GRY	90	CLAY/SILT	DGC	WATER H	30/07/2010
T27	MMI3333	591872	5545890	D		0.9		2 BRWN	60	CLAY/SILT	DGC	WATER H	30/07/2010
T27	MMI3334	591894	5545844	D		0.7		5 DK BRWN	70	CLAY/SILT	DGC	WATER H	30/07/2010
T27	MMI3335	591917	5545800	D		0.3		5 BRWN	60	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3336	591940	5545756	D		0.4		2 DK BRWN	40	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3337	591956	5545708	D		0.2		2 BRWN	60	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3338	591978	5545665	D		0.2		2 BRWN	50	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3339	591993	5545609	D		0.2		2 BRWN	50	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3340	592017	5545570	D		0.2		5 BRWN	60	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3341	592035	5545524	D		0.3		5 BRWN	60	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3342	592063	5545477	D		0.3		5 GRY	70	SILT	DGC	OLDER SE	30/07/2010
T27	MMI3343	592082	5545433	D		0.5		5 DK GRY	60	CLAY/SILT	DGC	OLDER SE	30/07/2010
T27	MMI3344	592117	5545392	D		0.4		2 DK GRY	80	CLAY	DGC	OLDER SE	30/07/2010
T27	MMI3345	592129	5545352	D		0.6		2 BRWN	70	CLAY/SILT	DGC	OLDER SE	30/07/2010
T27	MMI3346	592146	5545304	D		0.5		2 GRY	50	CLAY/SILT	DGC	OLDER SE	30/07/2010
T27	MMI3347	597083	5544305	J		0.1		2 LT GRY	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3348	597103	5544347	J		0.1		2 ORG BRW	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3349	597109	5544400	J		0.5		2 LT GRY	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3350	597117	5544446	J		0.1		5 ORG BRW	10	SILT	DGC	EDGE OF	30/07/2010
T27	MMI3351	597127	5544493	J		0.1		2 ORG BRW	10	SILT	DGC	EDGE OF	30/07/2010
T27	MMI3352	597141	5544544	J		0.15		2 GRY	30	SILT	DGC	EDGE OF	30/07/2010
T27	MMI3413	591674	5545127	C		0.15		1 ORG	20	SILT	DGC		30/07/2010
T27	MMI3414	591654	5545173	C		0.01		1 LT ORG B	35	SILT	DGC		30/07/2010
T27	MMI3415	591627	5545211	C		0.05		1 BRWN	30	SILT	DGC		30/07/2010
T27	MMI3416	591585	5545263	C		0.8		3 GRY	80	CLAY	DGC		30/07/2010
T27	MMI3417	591565	5545308	C		1.1		5 GRY	80	CLAY	DGC		30/07/2010
T27	MMI3418	591538	5545355	C		0.2		1 LT GRY B	20	SILT	DGC		30/07/2010
T27	MMI3419	591526	5545408	C		0.05		1 LT BRWN	10	SILT	DGC	very leache	30/07/2010
T27	MMI3420	591528	5545452	C		0.05		1 LT	10	SILT	DGC	very leache	30/07/2010
T27	MMI3421	591508	5545500	C		0.05		1 LT BRWN	10	SILT	DGC	very leache	30/07/2010
T27	MMI3422	591492	5545538	C		0.1		1 BRWN	10	SILT	DGC		30/07/2010
T27	MMI3423	591467	5545581	C		0.01		1 LT BRWN	20	SILT	DGC		30/07/2010
T27	MMI3424	591444	5545630	C		0.1		1 LT BRWN	20	SILT	DGC		30/07/2010
T27	MMI3425	591424	5545675	C		0.05		1 BRWN	20	SILT	DGC		30/07/2010
T27	MMI3426	591407	5545717	C		0.05		1 LT BRWN	10	SILT	DGC		30/07/2010
T27	MMI3427	591373	5545767	C		0.01		1 GRY ORG	15	SILT	DGC		30/07/2010
T27	MMI3428	591278	5544875	B		0.01		1 ORG BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3429	591225	5544920	B		0.01		1 ORG BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3430	591206	5544968	B		0.1		1 LT BRWN	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3431	591177	5545007	B		0.05		1 LT BRWN	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3432	591168	5545071	B		0.01		1 LT BRWN	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3433	591142	5545098	B		0.01		1 LT BRWN	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3434	591153	5545151	B		0.15		1 LT GRY	40	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3435	591150	5545191	B		0.05		1 LT GRY B	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3436	591159	5545239	B		0.05		1 GRY BRW	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3437	591193	5545285	B		0.03		1 ORG BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3438	591191	5545330	B		0.02		1 GRY BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3439	591211	5545376	B		0.02		1 GRY BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3440	591216	5545423	B		0.02		1 ORG BRW	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3441	591211	5545462	B		0.01		1 LT GRY	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3442	591196	5545502	B		0.2		1 GRY BRW	60	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3443	591160	5545543	B		0.2		1 GRY BRW	40	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3444	591137	5545598	B		0.1		1 ORG BRW	40	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3445	591122	5545647	B		0.1		1 LT BRWN	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3446	591103	5545692	B		0.05		1 ORG BRW	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3447	591076	5545734	B		0.1		1 ORG BRW	40	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3448	591068	5545787	B		0.1		1 GRY BRW	40	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3449	591050	5545824	B		0.05		1 ORG BRW	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3450	591037	5545881	B		0.05		1 GRY	40	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3451	591019	5545928	B		0.05		1 GRY BRW	50	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3452	591009	5545992	B		0.15		2 GRY BRW	60	CLAY/SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3453	590959	5546015	B		0.5		4 BRWN	70	CLAY	DGC	CLEAR CU	30/07/2010
T27	MMI3454	590910	5546050	B		0.8		3 GRY	80	CLAY	DGC	CLEAR CU	30/07/2010
T27	MMI3455	590876	5546087	B		0.8		4 GRY	80	CLAY	DGC	CLEAR CU	30/07/2010
T27	MMI3500	591333	5545815	C		0.03		1 LT BRWN	15	SILT	DGC		30/07/2010
T27	MMI3501	591342	5545848	C		0.01		1 LT BRWN	10	SILT	DGC		30/07/2010
T27	MMI3502	591317	5545906	C		0.01		1 LT GRY B	10	SILT	DGC		30/07/2010
T27	MMI3503	591292	5545949	C		0.03		1 ORG BRW	10	SILT	DGC		30/07/2010
T27	MMI3504	591278	5545987	C		0.05		1 LT ORG B	10	SILT	DGC		30/07/2010

Target	Sample	East	North	Line	Depth	Humidity	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T27	MMI3505	591258	5546039	C		0.15		1 LT BRWN	10	SILT	DGC		30/07/2010
T27	MMI3506	591241	5546079	C		0.1		1 LT ORG B	10	SILT	DGC		30/07/2010
T27	MMI3507	591204	5546124	C		0.05		1 LT BRWN	10	SILT	DGC		30/07/2010
T27	MMI3508	591191	5546175	C		0.1		1 LT ORG	10	SILT	DGC		30/07/2010
T27	MMI3509	591166	5546228	C		0.01		1 LT BRWN	10	SILT	DGC		30/07/2010
T27	MMI3510	591156	5546273	C		0.03		1 ORG BRW	10	SILT	DGC		30/07/2010
T27	MMI3511	591123	5546313	C		0.02		1 ORG BRW	10	SILT	DGC		30/07/2010
T27	MMI3512	591109	5546350	C		0.05		1 LT BRWN	30	SILT	DGC		30/07/2010
T27	MMI3513	591080	5546393	D		0.4		2 LT BRWN	70	CLAY	DGC	edge of sw	30/07/2010
T27	MMI3514	591622	5544156	B		0.01		2 LT ORG B	5	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3515	591618	5544199	B		0.02		2 LT BRWN	5	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3516	591633	5544247	B		0.05		1 LT ORG B	5	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3517	591631	5544296	B		0.1		1 LT ORG B	5	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3518	591636	5544331	B		0.05		1 ORG BRW	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3519	591642	5544369	B		0.1		1 ORG BRW	10	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3520	591621	5544410	B		0.1		1 GRY BRW	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3521	591582	5544465	B		0.05		1 LT BRWN	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3522	591541	5544509	B		0.02		1 LT GRY B	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3523	591509	5544558	B		0.02		1 LT GRY B	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3524	591514	5544604	B		0.1		1 GRY BRW	70	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3525	591505	5544648	B		0.05		1 GRY ORG	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3526	591398	5544692	B		0.03		1 GRY ORG	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3527	591394	5544741	B		0.03		1 GRY ORG	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3528	591360	5544781	B		0.02		1 GRY ORG	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3529	591314	5544833	B		0.01		1 LT ORG B	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3537	591164	5544596	J		0.2		5 LT GRY	50	SILT	DGC	EDGE OF	30/07/2010
T27	MMI3538	591176	5544651	J		0.25		2 LT GRY	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3539	591184	5544696	J		0.3		2 LT GRY	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3540	591194	5544728	J		0.3		2 LT GRY	20	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3541	591211	5544791	J		0.05		2 LT GRY	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3542	591226	5544835	J		0.2		2 LT GRY	30	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3543	591234	5544888	J		0.1		2 LT GRY	15	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3544	591249	5544928	J		0.2		2 GRY	50	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3590	591275	5544975	J		0.05		5 GRY	50	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3591	591280	5545038	J		0.3		2 GRY	40	SILT	DGC	CLEAR CU	30/07/2010
T27	MMI3592	591286	5545073	J		0.2		2 GRY	30	CLAY	DGC	EDGE OF	30/07/2010
T27	MMI3593	591298	5545136	J		0.25		2 GRY	80	SILT	DGC	FOREST V	30/07/2010
T27	MMI3594	591320	5545177	J		0.2		2 BLU GRY	15	SILT	DGC	DENSE FC	30/07/2010
T27	MMI3595	591325	5545222	J		0.2		2 BRWN	20	SILT	DGC	DENSE FC	30/07/2010
T27	MMI3596	591337	5545263	J		0.3		5 GRY	50	SILT	DGC	DENSE FC	30/07/2010
T27	MMI3597	591353	5545318	J		0.5		2 GRY	70	SILT	DGC	YOUNG PI	30/07/2010
T27	MMI3598	591366	5545365	J		0.4		2 GRY	50	CLAY	DGC	YOUNG PI	30/07/2010
T27	MMI3599	591391	5545423	J		0.6		2 GRY	70	CLAY	DGC	WATER H	30/07/2010
T27	MMI3600	591393	5545460	J		1.2		2 GRY	70	SILT	DGC	WATER H	30/07/2010
T27	MMI3601	591410	5545520	J		2.1		2 GRY	60	CLAY	DGC	WATER H	30/07/2010
T27	MMI3602	591341	5545629	J		2.3		5 LT GRY	60	SILT	DGC	WATER H	30/07/2010
T27	MMI3676	594493	5546238	D		1.7		3 BLU GRY	90	CLAY	DGC	VERY THIN	09/08/2010
T27	MMI3677	594514	5546286	D		2		4 BLU GRY	95	CLAY	DGC	VERY THIN	09/08/2010
T27	MMI3680	592065	5546546	E		0.2		5 GRY	60	SILT	DGC	FOREST C	09/08/2010
T27	MMI3681	592063	5546511	E		0.8		2 BRWN	60	SILT	DGC	FOREST C	09/08/2010
T27	MMI3682	592064	5546466	E		0.5		2 GRY	80	CLAY	DGC	FOREST C	09/08/2010
T27	MMI3683	592187	5546280	E		0.5		8 LT BRWN	60	SILT	DGC	FOREST C	09/08/2010
T27	MMI3684	592267	5546235	E		0.8		2 LT GRY	80	CLAY	DGC	FOREST C	09/08/2010
T27	MMI3685	592285	5546196	E		0.3		2 BLU GRY	90	CLAY	DGC		09/08/2010
T27	MMI3686	592307	5546095	E		0.4		5 BLU GRY	60	SILT	DGC		09/08/2010
T27	MMI3687	592330	5546142	E		0.5		2 GRY	60	SILT	DGC		09/08/2010
T27	MMI3688	592347	5546057	E		0.3		2 LT BRWN	80	CLAY	DGC		09/08/2010
T27	MMI3689	592376	5546012	E		0.4		2 BRWN	80	CLAY	DGC		09/08/2010
T27	MMI3690	592384	5545970	E		0.5		5 BRWN	70	SILT	DGC		09/08/2010
T27	MMI3691	592416	5545922	E		0.3		5 GRY	70	CLAY	DGC	LINE CUT	09/08/2010
T27	MMI3692	592432	5545885	E		0.3		2 GRY	80	CLAY	DGC	WATER H	09/08/2010
T27	MMI3693	592452	5545824	E		0.3		2 GRY	90	CLAY	DGC	WATER H	09/08/2010
T27	MMI3694	592476	5545788	E		0.4		2 GRY	80	CLAY	DGC	WATER H	09/08/2010
T27	MMI3695	592523	5545689	E		0.4		2 LT GRY	80	CLAY	DGC	WATER H	09/08/2010
T27	MMI3696	594476	5546196	D		1.5		2 BLU GRY	80	CLAY	DGC	CLEARCU	09/08/2010
T27	MMI3697	594439	5546152	D		0.2		0 LT BRWN	40	CLAY/SILT	DGC	2 METRES	09/08/2010
T27	MMI3698	594569	5546537	D		0.5		1 LT BRWN	80	CLAY/SILT	DGC	AVERAGE	09/08/2010
T27	MMI3700	594526	5546338	D		2		4 BLU GRY	100	CLAY	DGC	THICK SH	09/08/2010
T27	MMI3701	594535	5546386	D		0.8		2 BLU GRY	80	CLAY	DGC	VERY THIN	09/08/2010
T27	MMI3702	594545	5546431	D		0.9		1 BLU GRY	80	CLAY	DGC	THIN TRE	09/08/2010
T27	MMI3707	594588	5546583	D		0.3		1 GRY	40	CLAY/SILT	DGC	AVERAGE	09/08/2010
T27	MMI3709	591911	5547012	E		0.1		5 BRWN	15	SILT	DGC	BESIDE R	09/08/2010
T27	MMI3710	591942	5546954	E		0.1		2 LT GRY	30	SILT	DGC	CLEAR CU	09/08/2010

Target	Sample	East	North	Line	Depth	Humidity	%Organics	Colour	Saturation	Grainsize	Property	Comments	Sdate
T30	MMI3893	598527	5543916	M		0.4		2 DK GR	60	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3894	598544	5543961	M		0.6		2 DK GR	60	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3895	598549	5544009	M		0.5		1 LT BRWN	30	CLAY	DGC	OLD FORE	09/08/2010
T30	MMI3896	598558	5544057	M		0.1		1 LT BRWN	70	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3897	598583	5544105	M		0.3		1 GR	30	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3898	598569	5544163	M		0.3		1 LT BRWN	20	CLAY	DGC	OLD FORE	09/08/2010
T30	MMI3899	598576	5544220	M		0.4		1 LT BRWN	50	SILT	DGC	OLD FORE	09/08/2010
T30	MMI3900	598577	5544267	M		0.3		1 BRWN	80	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3901	598593	5544324	M		0.2		1 BRWN	60	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3902	598614	5544364	M		0.3		2 LT BRWN	80	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3929	593441	5546163	B		0.6		2 LT BRWN	90	CLAY/SILT	DGC	OLD TALL	09/08/2010
T30	MMI3930	593450	5546197	B		0.2		2 DK ORG B	90	CLAY/SILT	DGC	OLD FORE	09/08/2010
T30	MMI3931	593458	5546252	B		0.3		2 BRWN	90	CLAY/SILT	DGC	AVERAGE	09/08/2010
T30	MMI3932	593456	5546309	B		0.4		1 LT BRWN	75	CLAY/SILT	DGC	AVERAGE	09/08/2010
T30	MMI3933	593439	5546371	B		0.3		1 LT BRWN	75	CLAY/SILT	DGC	AVERAGE	09/08/2010
T30	MMI3934	593424	5546428	B		0.7		1 GR	95	CLAY/SILT	DGC	VERY THIC	09/08/2010
T30	MMI3935	593430	5546487	B		0.6		1 LT BRWN	70	CLAY/SILT	DGC	VERY THIC	09/08/2010
T30	MMI3936	593435	5546531	B		0.7		1 GR BRW	60	CLAY/SILT	DGC	MARSH TO	09/08/2010
T30	MMI3937	593463	5546578	B		0.7		1 GR	60	CLAY/SILT	DGC	MARSH TO	09/08/2010
T30	MMI3938	593483	5546613	B		0.75		1 GR BRW	60	CLAY/SILT	DGC	MARSH TO	09/08/2010
T30	MMI3939	593512	5546658	B		0.75		1 BRWN	65	CLAY/SILT	DGC	VERY THIN	09/08/2010
T30	MMI3940	593541	5546703	B		0.3		1 GR BRW	50	CLAY/SILT	DGC		09/08/2010
T30	MMI3941	593568	5546752	B		0.4		3 GR BRW	60	CLAY/SILT	DGC		09/08/2010
T30	MMI3942	593573	5546794	B		0.9		2 GR BRW	90	CLAY	DGC		09/08/2010
T30	MMI3943	593588	5546836	B		1.9		2 GR	90	CLAY/SILT	DGC		09/08/2010
T30	MMI3944	595040	5545932	E		0.2		1 LT BRWN	40	CLAY/SILT	DGC		09/08/2010
T30	MMI3974	598644	5544410	M		0.2		1 ORG BRW	30	SILT	DGC	OLD FORE	09/08/2010
T30	MMI3975	598650	5544454	M		0.2		1 LT BRWN	20	CLAY	DGC	OLD FORE	09/08/2010
T30	MMI3976	598671	5544503	M		0.2		1 LT BRWN	20	SILT	DGC	OLD FORE	09/08/2010
T30	MMI3977	598686	5544549	M		0.2		1 LT BRWN	30	CLAY	DGC	OLD FORE	09/08/2010
T30	MMI3978	598698	5544600	M		1		3 GR	60	CLAY/SILT	DGC	WATER H	09/08/2010
T30	MMI3979	598714	5544644	M		0.3		1 ORG BRW	50	CLAY/SILT	DGC		09/08/2010
T30	MMI3980	598732	5544689	M		0.4		1 LT BRWN	70	CLAY	DGC	WATER H	09/08/2010
T30	MMI3981	598742	5544741	M		0.6		1 LT BRWN	60	SILT	DGC		09/08/2010
T30	MMI3982	598758	5544786	M		0.2		1 LT BRWN	70	CLAY	DGC		09/08/2010
T30	MMI3983	598778	5544835	M		0.6		1 LT BRWN	80	CLAY	DGC	WATER H	09/08/2010
T30	MMI3984	598793	5544881	M		0.4		1 BRWN	70	CLAY/SILT	DGC	WATER H	09/08/2010
T30	MMI3985	598799	5544929	M		1		1 BLU GR	80	CLAY	DGC		09/08/2010
T30	MMI3986	598810	5544975	M		1		1 BLU GR	80	CLAY	DGC	WATER H	09/08/2010
T30	MMI4014	595098	5546538	E		0.2		1 LT BRWN	15	SILT	DGC	clear cut	09/08/2010
T30	MMI4129	598081	5544240	L		0.3		10 DK GR	50	CLAY/SILT	DGC	EDGE OF	09/08/2010
T30	MMI4130	598119	5544284	L		0.3		2 BRWN	50	CLAY	DGC	FOREST V	09/08/2010
T30	MMI4131	598120	5544328	L		0.3		2 GR	60	CLAY	DGC	WATER H	09/08/2010
T30	MMI4132	598138	5544378	L		0.3		2 LT BRWN	80	CLAY	DGC	WATER H	09/08/2010
T30	MMI4133	598158	5544428	L		0.4		5 GR	80	CLAY	DGC	WATER H	09/08/2010
T30	MMI4134	598164	5544481	L		0.3		2 BRWN	70	CLAY	DGC	WATER H	09/08/2010
T30	MMI4135	598173	5544526	L		0.2		2 GR	70	CLAY	DGC	WATER H	09/08/2010
T30	MMI4136	598201	5544577	L		0.3		5 GR	80	CLAY	DGC	WATER H	09/08/2010
T30	MMI4137	598215	5544629	L		0.4		2 DK GR	80	CLAY	DGC	WATER H	09/08/2010
T30	MMI4138	598243	5544674	L		0.2		5 GR	70	CLAY/SILT	DGC	WATER H	09/08/2010
T30	MMI4139	598239	5544730	L		0.8		2 BLU GR	60	CLAY	DGC	DRY, HIGH	09/08/2010
T30	MMI4140	598245	5544772	L		0.3		2 GR	60	CLAY	DGC	WATER H	09/08/2010
T30	MMI4141	598356	5544867	L		0.3		2 GR	80	CLAY	DGC	EDGE OF	09/08/2010
T30	MMI4142	598357	5544919	L		0.3		2 BRWN	70	CLAY/SILT	DGC	EDGE OF	09/08/2010
T30	MMI4143	598365	5544956	L		0.2		2 GR	70	SILT/CLAY	DGC	EDGE OF	09/08/2010
T30	MMI4144	598373	5545027	L		0.3		2 BRWN	60	SILT/CLAY	DGC	EDGE OF	09/08/2010
T30	MMI4145	598374	5545066	L		0.3		2 GR	80	CLAY	DGC	ROAD	09/08/2010
T30	MMI4146	598403	5545103	L		0.6		2 GR	80	CLAY	DGC	ROAD	09/08/2010
T30	MMI4147	598409	5545160	L		0.4		2 LT BRWN	90	CLAY	DGC	WATER H	09/08/2010
T30	MMI4148	598403	5545210	L		0.5		2 BRWN	70	CLAY	DGC	WATER H	09/08/2010
T30	MMI5316	596190	5541650	G		0.3		2 ORG BRW	30	SILT	DGC		01/09/2010



Certificate of Analysis

Work Order: TO110391

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jun 18, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 92
Date Submitted : Jun 07, 2010
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
0530	6	88	<10	0.2	1420	<1	430	5	101	40
0531	1	>300	20	0.1	3010	1	40	17	546	114
0532	6	16	<10	0.2	850	<1	270	12	70	161
0533	1	108	<10	0.3	1430	<1	330	4	755	56
0534	1	253	10	0.1	460	2	60	10	101	59
0535	4	50	<10	0.2	1770	<1	420	4	47	27
0536	5	154	<10	0.1	880	<1	210	6	440	40
0537	9	22	<10	0.1	1280	<1	320	7	18	108
0538	12	60	<10	0.1	1640	<1	400	24	152	396
0539	21	95	<10	0.1	1010	<1	330	73	181	194
0540	6	41	<10	0.1	1530	<1	340	4	43	22
0541	2	>300	20	0.1	2690	<1	60	7	991	56
0542	1	>300	<10	<0.1	2570	<1	<10	6	215	53
0543	<1	>300	30	<0.1	680	2	<10	4	127	34
0544	2	294	20	0.1	2440	<1	<10	9	240	54
0545	3	208	20	0.2	2230	<1	70	10	584	43
0546	6	92	<10	0.2	1590	<1	300	11	721	191
0547	10	54	<10	0.1	1660	<1	470	18	487	119
0548	1	292	<10	<0.1	870	<1	70	3	369	61
0549	17	32	<10	0.2	1530	<1	410	4	9	49
0550	4	49	<10	0.2	750	<1	350	5	81	7
0551	4	108	<10	0.2	890	<1	330	9	239	31
0552	2	17	10	0.1	1160	<1	220	2	88	22
0553	5	68	<10	0.2	1340	<1	380	8	283	82
0555	8	68	<10	0.1	490	<1	440	18	147	89
0556	10	18	<10	0.1	270	<1	310	9	<5	14
0560	2	124	<10	0.1	130	<1	<10	12	93	18
0561	2	186	20	<0.1	450	4	<10	18	45	9
0562	3	117	50	<0.1	370	4	<10	3	36	<5
0563	3	260	20	<0.1	160	<1	10	15	161	8
0564	3	>300	10	<0.1	560	1	<10	5	81	17
0565	5	61	<10	<0.1	330	<1	<10	5	76	16
0566	3	>300	20	0.1	270	<1	<10	6	65	13
0567	4	>300	40	0.1	470	2	<10	9	133	13
0568	4	135	<10	<0.1	260	<1	<10	12	36	17
0569	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
0570	2	287	30	<0.1	190	1	<10	6	49	9
0571	2	271	20	<0.1	930	<1	<10	9	70	11
0572	7	285	<10	<0.1	430	<1	<10	22	310	37
0573	3	245	<10	<0.1	810	<1	<10	10	37	22
0574	2	>300	20	0.2	3320	1	20	12	479	59
0575	2	89	<10	<0.1	320	1	<10	16	25	<5
0576	4	117	<10	<0.1	870	<1	150	100	71	213

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0577	2	99	<10	0.3	1820	<1	250	9	97	41
0578	2	223	10	<0.1	1300	<1	<10	7	842	47
0579	<1	>300	<10	<0.1	360	<1	10	2	176	18
0580	9	13	<10	0.2	3510	<1	310	9	80	153
0581	1	41	<10	0.2	1430	<1	260	4	54	11
0582	2	187	20	0.2	2030	<1	120	12	1550	44
0583	9	46	<10	0.2	790	<1	360	18	145	59
0584	8	93	<10	0.2	1010	<1	410	26	140	43
0585	7	23	<10	0.2	930	<1	330	5	9	30
0586	3	181	20	<0.1	1970	1	170	4	2160	84
0587	4	94	<10	0.4	950	<1	290	7	191	53
0588	2	222	20	0.1	2230	<1	150	6	786	87
0589	14	27	<10	<0.1	1640	<1	550	8	56	174
0590	3	156	10	1.5	980	<1	160	17	914	98
0591	4	30	<10	0.2	1390	<1	360	2	75	38
0592	4	39	<10	0.2	460	<1	360	4	11	9
0593	2	261	20	<0.1	550	<1	<10	13	91	22
0594	5	195	20	0.1	2400	1	40	6	674	91
0595	6	52	<10	0.1	1720	<1	360	2	129	8
0596	2	37	<10	0.1	690	<1	220	<1	185	15
0597	2	34	<10	0.2	990	<1	360	2	78	43
0598	2	250	20	<0.1	990	<1	<10	11	148	43
0599	3	263	10	<0.1	280	<1	<10	7	189	42
0600	1	95	<10	0.1	1240	<1	370	5	229	62
0601	5	29	10	0.1	1470	<1	320	10	469	126
0602	<1	128	<10	<0.1	220	<1	<10	4	1610	42
0603	1	217	<10	<0.1	650	<1	140	3	1010	43
0604	1	280	20	<0.1	300	1	<10	7	30	24
0605	1	>300	30	<0.1	620	3	<10	6	103	33
0606	2	>300	30	<0.1	680	1	<10	8	240	14
0607	1	>300	20	<0.1	1810	1	10	12	557	56
0608	8	25	<10	0.1	420	<1	300	3	<5	<5
0609	2	68	<10	0.2	760	<1	310	7	138	21
0610	4	14	<10	0.2	580	<1	280	4	23	10
0611	7	55	<10	0.2	720	<1	350	6	43	26
0612	6	24	<10	0.8	1830	<1	380	7	372	144
0613	4	133	<10	0.2	910	<1	250	8	159	109
0614	4	137	<10	<0.1	570	<1	320	4	160	58
0615	5	107	<10	0.1	500	<1	340	26	220	60
0616	2	9	<10	0.2	1030	<1	230	1	10	<5
0617	8	25	<10	0.3	1250	<1	300	6	30	51
0618	<1	116	10	0.1	600	<1	210	4	269	88
0619	5	50	<10	<0.1	650	<1	280	8	262	48

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0620	2	131	<10	0.1	790	<1	310	4	294	53
0621	3	21	<10	0.2	1600	<1	290	2	101	33
0622	3	9	<10	0.2	860	<1	210	2	72	33
0623	<1	66	80	0.2	850	<1	290	3	308	99
0624	6	71	<10	0.2	1060	<1	340	10	1050	175
0625	7	29	<10	0.2	1090	<1	390	5	94	53
*Rep 0537	12	33	<10	0.2	1040	<1	400	15	37	76
*Rep 0556	10	14	<10	0.1	370	<1	330	9	<5	12
*Rep 0572	8	257	<10	<0.1	450	<1	<10	20	385	44
*Rep 0593	1	293	30	<0.1	570	<1	<10	13	72	22
*Rep 0608	9	22	<10	0.2	500	<1	310	3	<5	7
*Rep 0621	4	15	<10	0.2	2000	<1	270	2	191	30
*Rep 0625	7	30	<10	0.2	920	<1	370	5	80	46
*Std MMISRM18	20	27	20	8.9	170	<1	180	79	22	76
*Std MMISRM16	16	41	20	27.0	70	<1	200	4	19	60
*Std MMISRM18	18	24	10	8.2	140	<1	170	73	24	71
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0530	100	0.8	1570	31	21.6	8.7	17	2	40	2
0531	200	7.8	450	51	22.5	14.1	164	35	57	<1
0532	<100	<0.5	1380	9	5.3	2.4	5	2	11	2
0533	100	<0.5	970	120	77.1	35.6	15	9	165	<1
0534	300	7.2	130	9	6.9	1.7	218	45	7	<1
0535	<100	0.5	660	12	7.9	3.2	7	<1	14	<1
0536	<100	2.2	920	75	54.5	12.7	172	8	61	<1
0537	<100	<0.5	1820	9	5.9	2.3	4	<1	12	<1
0538	<100	<0.5	2240	12	7.2	3.7	10	2	16	<1
0539	<100	1.7	5710	30	26.5	5.4	77	3	26	<1
0540	<100	<0.5	790	17	10.0	5.3	14	1	25	<1
0541	200	6.9	580	77	33.6	23.0	126	29	94	<1
0542	100	8.7	360	18	10.5	4.5	109	17	16	<1
0543	200	5.3	210	7	4.4	1.9	199	61	7	<1
0544	100	7.6	370	40	21.7	6.9	137	24	29	<1
0545	<100	4.6	480	90	46.3	23.5	79	18	102	<1
0546	200	1.5	3300	30	18.4	9.5	107	6	39	<1
0547	<100	0.6	1900	25	15.4	8.9	20	4	38	<1
0548	100	5.6	280	39	16.5	10.7	125	29	45	<1
0549	<100	<0.5	950	11	7.0	2.6	6	<1	13	2
0550	<100	0.9	750	21	9.1	7.7	9	2	34	<1
0551	<100	1.1	410	22	11.1	8.3	24	3	34	<1
0552	<100	<0.5	1990	7	3.7	2.6	30	1	11	<1
0553	<100	1.4	4570	19	12.4	6.2	58	6	26	<1
0555	<100	2.2	1740	10	5.2	4.0	10	2	16	<1
0556	<100	0.5	1000	3	1.7	0.8	4	<1	4	<1
0560	<100	5.5	80	22	9.8	8.4	14	8	27	<1
0561	100	2.6	130	4	2.2	1.3	44	38	4	<1
0562	100	2.2	120	3	1.7	1.1	25	30	3	<1
0563	100	5.8	50	12	5.2	5.6	84	47	17	<1
0564	200	4.7	60	8	3.8	2.4	120	92	7	<1
0565	<100	6.4	70	16	8.5	5.7	9	7	20	<1
0566	200	8.5	230	6	3.1	2.1	117	74	6	<1
0567	200	4.9	150	9	4.3	3.8	118	95	12	1
0568	<100	5.2	150	10	6.6	2.2	36	14	8	<1
0569	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
0570	100	6.5	90	6	3.8	2.0	119	91	6	<1
0571	<100	3.4	80	8	4.1	2.8	57	48	8	<1
0572	100	6.0	130	24	11.5	9.3	74	31	31	<1
0573	<100	4.2	70	4	3.4	1.2	63	8	3	<1
0574	200	7.1	550	89	46.7	17.4	169	35	70	<1
0575	<100	2.3	90	2	1.3	0.9	13	15	3	<1
0576	<100	5.0	1130	11	7.3	1.5	273	7	6	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0577	<100	2.9	760	80	53.0	18.0	7	4	86	<1
0578	200	8.2	410	68	32.1	27.6	66	18	100	<1
0579	200	8.4	30	10	4.2	3.4	97	16	11	<1
0580	<100	1.3	7800	19	12.6	4.7	11	2	24	<1
0581	<100	<0.5	820	39	18.7	15.2	6	2	65	<1
0582	200	2.0	270	96	44.8	35.5	71	19	139	<1
0583	<100	0.6	830	14	6.8	4.9	8	1	21	<1
0584	<100	0.5	710	18	11.3	5.1	20	2	22	<1
0585	<100	<0.5	790	13	7.8	3.4	8	<1	17	1
0586	200	5.5	460	76	34.9	29.5	132	33	112	<1
0587	100	1.2	960	45	28.4	11.9	8	3	55	1
0588	200	3.3	190	41	18.9	16.8	139	24	61	<1
0589	<100	<0.5	2300	15	12.1	3.3	10	<1	17	<1
0590	<100	2.7	660	127	68.8	31.8	112	16	144	<1
0591	<100	<0.5	1030	22	14.5	5.3	11	<1	26	1
0592	<100	<0.5	1970	8	4.7	2.1	7	<1	11	1
0593	200	4.9	230	7	4.3	2.6	121	44	8	<1
0594	200	6.3	710	178	90.0	53.5	121	26	229	<1
0595	<100	0.9	380	7	3.0	3.1	15	1	12	<1
0596	<100	2.4	100	6	2.6	2.7	23	4	10	<1
0597	<100	<0.5	1070	15	8.7	4.7	12	1	21	<1
0598	100	5.1	120	18	10.1	5.2	122	39	18	<1
0599	200	5.5	150	13	5.2	5.4	78	20	16	<1
0600	<100	1.6	2100	18	9.0	5.6	28	4	23	<1
0601	<100	0.7	2190	17	9.8	7.0	106	4	27	<1
0602	<100	5.1	270	99	40.9	44.2	38	16	156	<1
0603	100	7.3	110	28	10.6	12.8	96	15	44	<1
0604	200	3.9	220	2	1.6	0.5	322	73	2	<1
0605	300	8.1	170	8	4.2	2.4	197	123	8	<1
0606	400	5.7	160	15	6.6	5.5	203	66	18	1
0607	400	6.8	250	33	15.6	11.4	243	48	41	<1
0608	<100	0.9	480	5	2.1	1.2	5	<1	6	<1
0609	<100	0.9	500	17	8.0	6.5	17	2	26	<1
0610	<100	1.0	350	5	2.1	2.9	3	<1	10	<1
0611	<100	0.9	460	10	5.7	3.5	11	1	15	<1
0612	<100	<0.5	3050	17	8.9	6.3	26	3	26	<1
0613	<100	3.6	4410	20	15.1	4.3	152	5	18	<1
0614	<100	4.4	2190	15	10.8	3.1	122	11	14	<1
0615	<100	2.1	1700	14	8.0	4.4	33	3	18	<1
0616	<100	<0.5	480	5	2.3	2.1	3	<1	8	<1
0617	<100	<0.5	980	15	8.7	3.9	9	<1	18	<1
0618	100	2.9	120	9	4.2	3.8	87	19	13	<1
0619	<100	<0.5	780	12	5.4	5.9	26	3	22	<1

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
0620	<100	2.2	220	19	8.5	6.5	37	8	25	<1
0621	<100	<0.5	2740	8	4.2	3.1	37	1	12	<1
0622	<100	<0.5	3070	7	3.6	2.2	30	1	9	<1
0623	<100	1.5	2450	19	11.8	6.5	169	5	26	<1
0624	200	1.2	3390	45	25.1	15.5	49	7	63	<1
0625	<100	<0.5	1210	23	13.9	6.5	15	1	31	1
*Rep 0537	<100	<0.5	2230	12	7.8	2.9	9	<1	15	<1
*Rep 0556	<100	0.6	1430	4	2.0	0.9	4	<1	5	<1
*Rep 0572	100	6.9	120	29	13.3	11.9	66	29	40	<1
*Rep 0593	200	4.1	240	6	3.3	1.9	159	46	5	<1
*Rep 0608	<100	0.8	640	6	3.0	1.9	4	<1	8	<1
*Rep 0621	<100	<0.5	2950	14	7.6	5.7	43	2	23	<1
*Rep 0625	<100	<0.5	1290	21	12.4	5.8	15	1	27	1
*Std MMISRM18	<100	6.4	910	4	1.5	1.3	3	<1	6	3
*Std MMISRM16	<100	12.0	690	3	0.9	1.0	1	<1	5	12
*Std MMISRM18	<100	5.8	880	3	1.5	1.3	2	<1	6	3
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0530	<0.5	18.6	182	6	121	1090	<5	1.9	209	94
0531	<0.5	23.8	181	44	24	2210	<5	18.8	264	165
0532	<0.5	21.6	18	21	89	46100	14	<0.5	37	324
0533	<0.5	13.6	781	<5	82	850	<5	1.5	903	97
0534	<0.5	16.2	37	24	21	220	<5	29.6	35	291
0535	<0.5	17.2	11	<5	119	930	<5	0.9	37	97
0536	<0.5	14.9	187	9	60	470	<5	3.9	260	167
0537	<0.5	24.6	13	39	115	1380	<5	<0.5	29	98
0538	<0.5	22.2	46	15	118	11700	9	1.2	75	265
0539	<0.5	16.8	111	6	71	4940	<5	2.2	126	668
0540	<0.5	13.9	60	<5	91	580	<5	1.0	103	99
0541	<0.5	18.9	442	23	22	840	<5	17.8	503	94
0542	<0.5	19.6	86	24	8	330	<5	9.7	95	121
0543	<0.5	22.9	43	33	9	270	<5	39.2	37	99
0544	<0.5	23.2	66	24	11	730	<5	19.7	107	91
0545	<0.5	22.6	294	9	20	1660	<5	15.6	442	47
0546	<0.5	18.3	262	<5	58	12100	17	7.1	285	209
0547	<0.5	14.1	208	<5	107	3670	<5	1.4	229	128
0548	<0.5	15.3	177	15	22	1100	<5	13.2	223	102
0549	<0.5	26.5	15	18	116	620	<5	<0.5	33	212
0550	<0.5	6.0	92	<5	76	560	<5	<0.5	149	135
0551	<0.5	12.4	178	<5	59	650	<5	1.7	198	128
0552	<0.5	22.2	33	13	43	3380	11	1.5	54	66
0553	<0.5	26.9	176	42	56	3420	52	3.7	181	426
0555	<0.5	16.5	64	15	82	12500	9	0.7	89	238
0556	<0.5	12.7	2	21	81	280	<5	<0.5	3	138
0560	<0.5	5.7	33	<5	<1	320	5	1.0	89	18
0561	<0.5	10.3	25	<5	1	80	<5	15.0	20	27
0562	<0.5	8.2	23	6	1	200	5	18.1	14	30
0563	<0.5	7.8	79	<5	2	140	<5	7.5	85	16
0564	<0.5	12.1	43	17	2	660	<5	24.7	34	51
0565	<0.5	10.9	26	<5	<1	140	7	<0.5	75	30
0566	<0.5	7.0	33	<5	<1	1410	<5	14.8	29	17
0567	<0.5	10.2	89	12	2	190	6	35.4	61	26
0568	<0.5	10.3	14	<5	<1	170	<5	1.9	24	27
0569	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
0570	<0.5	11.6	25	10	1	200	<5	27.4	24	32
0571	<0.5	9.0	35	<5	<1	110	<5	9.4	36	28
0572	<0.5	10.6	119	<5	<1	1180	<5	7.9	142	46
0573	<0.5	11.8	18	<5	<1	20	<5	4.1	16	33
0574	<0.5	26.4	210	60	22	870	<5	21.9	304	158
0575	<0.5	14.5	18	<5	1	110	<5	5.5	12	19
0576	<0.5	10.8	22	14	33	9320	21	4.0	27	277

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0577	<0.5	25.7	191	<5	59	350	<5	<0.5	281	39
0578	<0.5	11.5	428	11	3	2410	<5	7.4	562	61
0579	<0.5	2.2	61	<5	2	60	<5	6.8	59	61
0580	<0.5	32.2	31	32	89	710	22	0.9	63	404
0581	<0.5	17.3	205	<5	81	590	<5	<0.5	261	35
0582	<0.5	13.9	722	<5	24	2620	<5	11.6	773	81
0583	<0.5	14.2	61	<5	109	4090	<5	<0.5	93	252
0584	<0.5	23.8	106	19	75	1020	<5	1.0	118	306
0585	<0.5	18.2	20	<5	121	1810	<5	<0.5	43	103
0586	<0.5	11.9	773	11	29	13500	<5	22.4	738	56
0587	<0.5	13.6	155	<5	70	430	<5	0.6	213	76
0588	<0.5	8.2	482	13	24	2600	<5	13.4	395	140
0589	<0.5	19.2	20	14	143	2520	<5	0.6	44	239
0590	<0.5	26.9	414	6	33	5860	<5	13.3	619	165
0591	<0.5	15.5	35	7	98	1750	<5	1.0	82	106
0592	<0.5	22.2	8	12	72	1070	<5	<0.5	23	161
0593	<0.5	9.3	38	<5	1	150	<5	18.0	36	60
0594	<0.5	22.2	590	10	9	4450	<5	31.8	945	73
0595	<0.5	10.5	48	<5	67	310	<5	0.6	66	46
0596	<0.5	8.3	60	<5	34	1040	<5	3.4	68	35
0597	<0.5	13.0	73	<5	74	1580	<5	0.7	95	71
0598	<0.5	13.4	83	5	2	1410	<5	13.0	79	58
0599	<0.5	10.5	88	9	<1	800	<5	7.2	81	37
0600	<0.5	9.9	95	15	43	2600	32	4.4	115	250
0601	<0.5	29.1	160	16	61	11300	14	3.2	206	213
0602	<0.5	5.6	600	<5	<1	2310	<5	2.1	966	28
0603	<0.5	4.4	274	8	8	1360	<5	7.3	272	89
0604	<0.5	28.6	15	29	6	170	<5	37.7	10	53
0605	<0.5	20.5	50	57	9	160	6	52.7	38	204
0606	<0.5	10.9	109	22	3	170	5	28.5	94	81
0607	<0.5	10.7	257	26	7	800	<5	35.2	238	129
0608	<0.5	8.4	1	<5	78	290	<5	<0.5	5	91
0609	<0.5	8.1	94	<5	75	660	<5	1.2	129	118
0610	<0.5	11.1	20	<5	43	280	<5	<0.5	49	67
0611	<0.5	14.3	43	6	69	1780	<5	0.7	62	82
0612	<0.5	18.8	113	9	84	9570	15	0.9	156	112
0613	<0.5	10.6	91	12	44	3800	27	4.2	93	283
0614	<0.5	14.0	68	29	68	3210	14	4.8	68	196
0615	<0.5	9.9	99	<5	52	7470	<5	1.7	99	266
0616	<0.5	7.8	11	20	68	390	<5	<0.5	24	35
0617	<0.5	12.8	24	<5	100	990	<5	0.6	50	65
0618	<0.5	8.2	68	12	25	8350	7	13.2	80	59
0619	<0.5	11.7	134	32	40	1170	<5	3.4	147	132

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0620	<0.5	10.1	118	<5	50	1880	<5	5.0	137	66
0621	<0.5	26.6	37	16	51	2170	<5	1.3	62	184
0622	<0.5	21.5	25	19	41	3310	8	0.9	42	77
0623	<0.5	18.3	159	23	36	3390	148	6.4	180	273
0624	<0.5	16.3	367	<5	69	4770	11	10.1	408	227
0625	<0.5	11.3	75	<5	126	3190	<5	0.7	121	155
*Rep 0537	<0.5	23.6	20	31	113	1070	<5	<0.5	43	121
*Rep 0556	<0.5	14.2	<1	24	93	250	<5	<0.5	3	143
*Rep 0572	<0.5	9.5	149	<5	<1	1480	<5	7.5	184	45
*Rep 0593	<0.5	9.5	34	6	1	90	<5	19.9	29	65
*Rep 0608	<0.5	8.8	1	6	82	360	<5	<0.5	10	93
*Rep 0621	<0.5	27.2	69	17	52	1850	<5	1.5	117	161
*Rep 0625	<0.5	11.0	70	<5	124	2820	<5	0.7	109	181
*Std MMISRM18	<0.5	27.7	7	<5	84	590	36	<0.5	17	579
*Std MMISRM16	<0.5	38.0	6	<5	28	100	51	<0.5	15	238
*Std MMISRM18	<0.5	25.1	8	<5	76	560	32	<0.5	18	552
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0530	0.2	80	<1	50	<1	100	<1	27	38	<1
0531	2.8	630	2	63	<1	344	<1	91	58	2
0532	<0.1	30	<1	8	<1	144	<1	7	9	<1
0533	0.2	210	<1	220	<1	81	<1	78	165	<1
0534	2.8	150	1	9	<1	210	<1	53	7	5
0535	0.1	60	<1	7	<1	103	<1	15	11	<1
0536	0.4	270	<1	61	<1	162	<1	76	54	<1
0537	<0.1	90	<1	5	<1	32	<1	5	8	<1
0538	0.1	140	<1	17	<1	60	<1	12	15	<1
0539	0.2	220	<1	31	<1	183	<1	38	24	<1
0540	0.2	30	<1	23	<1	75	<1	15	22	<1
0541	3.0	310	2	128	<1	273	<1	99	99	1
0542	2.1	190	<1	25	<1	308	<1	45	19	1
0543	6.0	80	1	10	<1	163	<1	62	7	8
0544	2.3	740	<1	24	<1	360	<1	81	26	2
0545	1.6	390	1	100	<1	246	<1	138	97	1
0546	0.3	390	1	75	<1	115	1	61	46	<1
0547	0.2	50	<1	57	<1	106	<1	18	38	<1
0548	1.5	230	<1	55	<1	163	<1	45	46	1
0549	<0.1	40	<1	6	<1	16	<1	12	9	<1
0550	<0.1	30	<1	33	<1	130	<1	12	33	<1
0551	0.3	60	<1	50	<1	132	<1	20	37	<1
0552	0.2	140	<1	12	<1	83	1	<5	11	<1
0553	0.5	440	<1	47	<1	117	1	33	29	<1
0555	<0.1	70	<1	21	<1	74	<1	8	18	<1
0556	<0.1	30	<1	<1	<1	54	<1	6	2	<1
0560	0.4	370	<1	17	<1	113	<1	51	26	<1
0561	11.7	380	<1	5	<1	59	<1	28	4	8
0562	5.6	200	<1	4	<1	56	1	21	3	12
0563	2.6	410	<1	22	<1	111	2	40	19	2
0564	3.9	210	<1	9	<1	163	<1	44	7	6
0565	0.2	310	<1	14	<1	232	<1	25	20	<1
0566	4.6	540	<1	8	<1	85	1	39	6	3
0567	3.4	250	<1	17	<1	84	1	43	12	11
0568	0.4	490	<1	5	<1	168	<1	31	7	<1
0569	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
0570	4.1	540	<1	6	<1	102	1	41	5	6
0571	1.4	490	<1	9	<1	127	<1	28	8	3
0572	3.8	430	<1	35	<1	123	<1	48	32	1
0573	0.8	320	<1	4	<1	206	<1	20	3	<1
0574	2.5	370	1	72	<1	311	<1	155	67	2
0575	4.9	110	<1	3	<1	121	<1	13	2	3
0576	1.0	310	<1	7	<1	118	<1	37	6	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0577	0.1	290	<1	60	<1	254	<1	85	68	<1
0578	1.3	260	<1	134	<1	203	<1	100	113	<1
0579	3.5	180	<1	15	<1	39	<1	22	12	<1
0580	0.2	1120	<1	12	<1	168	4	9	17	<1
0581	0.1	20	<1	58	<1	104	<1	27	56	<1
0582	2.1	250	<1	200	<1	194	<1	108	150	<1
0583	<0.1	20	<1	21	<1	127	<1	12	20	<1
0584	0.2	70	<1	30	<1	72	<1	19	22	<1
0585	0.1	30	<1	9	<1	59	<1	13	12	<1
0586	2.2	170	1	201	<1	179	<1	80	130	1
0587	0.1	120	<1	49	<1	135	<1	48	48	<1
0588	2.9	190	<1	109	<1	154	<1	56	70	1
0589	<0.1	50	<1	8	<1	39	<1	12	11	1
0590	1.0	360	<1	142	<1	169	<1	116	134	1
0591	<0.1	30	<1	16	<1	108	<1	14	19	<1
0592	<0.1	20	<1	4	<1	63	<1	9	7	<1
0593	2.6	150	<1	10	<1	110	<1	40	8	3
0594	2.3	420	<1	208	<1	328	<1	191	218	3
0595	0.1	20	<1	16	<1	154	<1	5	13	<1
0596	0.5	30	<1	17	<1	143	<1	5	12	<1
0597	0.1	20	<1	22	<1	65	<1	14	18	<1
0598	1.7	390	<1	20	<1	165	<1	44	17	3
0599	1.7	310	<1	21	<1	120	<1	44	17	<1
0600	0.5	430	<1	29	<1	91	<1	25	24	<1
0601	0.5	190	<1	51	<1	29	<1	29	32	<1
0602	0.5	80	<1	237	<1	96	<1	117	191	<1
0603	2.1	60	<1	74	<1	89	<1	36	51	1
0604	2.8	100	<1	3	<1	181	<1	41	2	6
0605	6.2	250	<1	10	<1	188	<1	78	8	13
0606	9.5	210	<1	26	<1	127	1	55	19	5
0607	8.7	280	<1	64	<1	177	<1	72	46	3
0608	0.2	10	<1	<1	<1	107	<1	6	3	<1
0609	0.2	30	<1	30	<1	157	<1	15	26	<1
0610	0.1	<10	<1	9	<1	49	<1	<5	11	<1
0611	0.2	30	<1	14	<1	107	<1	12	13	<1
0612	0.1	80	<1	38	<1	76	<1	10	28	<1
0613	0.5	230	<1	25	<1	96	<1	46	17	<1
0614	1.0	290	<1	18	<1	110	<1	46	13	<1
0615	0.6	160	<1	26	<1	124	<1	22	18	<1
0616	<0.1	<10	<1	4	<1	50	<1	5	7	<1
0617	<0.1	70	<1	10	<1	87	<1	12	13	<1
0618	1.8	110	<1	20	<1	139	<1	20	15	1
0619	0.8	60	<1	37	<1	25	<1	9	26	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0620	0.5	60	<1	35	<1	170	<1	23	27	<1
0621	0.3	180	<1	14	<1	80	<1	6	12	<1
0622	0.1	90	<1	9	<1	21	<1	<5	9	<1
0623	0.6	370	<1	47	<1	44	<1	49	29	<1
0624	0.3	380	<1	107	<1	138	1	37	68	<1
0625	<0.1	30	<1	27	<1	69	<1	16	24	<1
*Rep 0537	<0.1	100	<1	9	<1	33	<1	8	11	<1
*Rep 0556	<0.1	30	<1	<1	<1	63	<1	6	2	<1
*Rep 0572	3.5	430	<1	45	<1	129	<1	56	42	1
*Rep 0593	3.4	130	<1	8	<1	113	<1	35	6	3
*Rep 0608	0.1	20	<1	1	<1	99	<1	8	5	<1
*Rep 0621	0.3	190	<1	27	<1	81	<1	9	22	<1
*Rep 0625	<0.1	20	<1	24	<1	72	<1	14	22	<1
*Std MMISRM18	0.7	270	14	3	6	165	<1	<5	5	<1
*Std MMISRM16	0.3	80	25	3	<1	320	<1	8	4	<1
*Std MMISRM18	0.7	290	13	4	6	146	<1	<5	5	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0530	1080	<1	6	<10	44.0	37	0.5	8	<1	181
0531	270	1	10	<10	112	3570	1.1	10	2	224
0532	530	<1	2	<10	12.8	20	4.0	6	<1	46
0533	1000	<1	24	<10	80.1	32	<0.5	18	1	633
0534	180	2	1	<10	51.7	5360	0.9	6	2	49
0535	1140	<1	2	<10	37.3	18	<0.5	29	<1	49
0536	500	<1	12	<10	87.0	410	<0.5	38	1	435
0537	770	<1	2	<10	9.8	8	<0.5	14	<1	50
0538	790	<1	2	<10	42.6	42	<0.5	42	<1	60
0539	580	<1	5	<10	31.6	79	1.0	384	<1	193
0540	830	<1	3	<10	33.6	23	<0.5	20	<1	83
0541	260	1	16	<10	153	3050	0.9	16	2	327
0542	120	<1	3	<10	41.0	1830	0.7	6	<1	78
0543	100	3	1	<10	37.8	10700	0.7	10	3	34
0544	110	1	6	<10	59.2	4600	1.2	9	2	202
0545	350	1	17	<10	74.3	3310	0.8	14	2	444
0546	540	<1	7	<10	151	325	0.6	39	1	152
0547	1020	<1	6	<10	64.5	63	0.7	14	<1	136
0548	220	<1	8	<10	60.1	2730	<0.5	8	1	175
0549	790	<1	2	<10	12.5	27	<0.5	19	<1	56
0550	570	<1	5	<10	44.4	14	<0.5	36	<1	100
0551	400	<1	5	<10	47.9	161	<0.5	8	<1	118
0552	340	<1	2	<10	27.3	106	<0.5	16	<1	38
0553	1150	<1	4	<10	42.8	254	<0.5	118	2	116
0555	490	<1	2	<10	15.5	11	<0.5	46	<1	55
0556	270	<1	<1	<10	5.3	9	<0.5	22	<1	16
0560	<10	<1	4	<10	12.9	188	<0.5	8	<1	83
0561	110	1	<1	<10	29.0	4390	<0.5	5	2	20
0562	90	2	<1	<10	25.3	3970	<0.5	6	2	15
0563	70	<1	3	<10	20.7	1280	<0.5	7	<1	48
0564	60	2	1	<10	26.2	7190	0.5	7	2	34
0565	20	<1	3	<10	4.9	59	<0.5	4	<1	85
0566	20	1	1	<10	45.5	3240	<0.5	9	<1	24
0567	60	3	2	<10	25.1	9850	<0.5	7	2	42
0568	<10	<1	2	<10	9.0	418	<0.5	4	<1	57
0569	<10	<1	<1	<10	<0.5	59	<0.5	<1	<1	<5
0570	10	2	1	<10	18.9	6920	<0.5	6	1	28
0571	40	<1	1	<10	13.0	2540	<0.5	4	<1	36
0572	20	<1	5	<10	34.8	1400	<0.5	9	<1	106
0573	30	<1	<1	<10	9.2	760	<0.5	3	<1	21
0574	230	2	15	<10	125	3310	1.4	12	3	387
0575	90	<1	<1	<10	11.7	912	<0.5	3	<1	12
0576	400	<1	2	<10	23.3	619	0.8	23	<1	61

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0577	2020	<1	13	<10	24.2	31	<0.5	12	<1	419
0578	40	<1	15	<10	92.8	1250	0.8	14	<1	322
0579	50	<1	2	<10	31.7	710	<0.5	5	<1	36
0580	2500	<1	3	<10	30.6	106	<0.5	41	7	92
0581	590	<1	9	<10	30.0	8	0.5	12	<1	200
0582	240	1	21	<10	126	1650	0.7	16	2	449
0583	520	<1	3	<10	37.1	11	<0.5	21	<1	68
0584	1560	<1	3	<10	31.8	42	<0.5	105	<1	99
0585	650	<1	2	<10	12.6	19	<0.5	6	<1	63
0586	400	2	18	<10	163	3600	1.6	14	2	335
0587	770	<1	8	<10	67.5	31	<0.5	11	<1	197
0588	240	<1	9	<10	95.5	1710	0.9	8	1	186
0589	1870	<1	2	<10	22.7	36	<0.5	19	<1	71
0590	420	1	23	<10	115	2740	0.5	21	2	656
0591	770	<1	4	<10	40.5	25	<0.5	24	<1	93
0592	370	<1	1	<10	12.8	9	<0.5	8	<1	44
0593	50	1	1	<10	29.8	3800	<0.5	6	<1	33
0594	270	3	35	<10	87.5	8810	0.8	21	3	1010
0595	490	<1	2	<10	39.5	27	<0.5	18	<1	29
0596	290	<1	1	<10	36.1	357	<0.5	9	<1	26
0597	720	<1	3	<10	37.0	27	<0.5	15	<1	67
0598	100	1	3	<10	25.4	3500	<0.5	6	2	87
0599	10	<1	3	<10	88.2	1300	<0.5	14	<1	44
0600	470	<1	4	<10	38.9	224	<0.5	163	2	97
0601	2510	<1	4	<10	53.7	117	<0.5	61	1	92
0602	<10	<1	23	<10	61.6	324	0.6	30	<1	354
0603	150	<1	7	<10	46.5	888	0.7	9	<1	95
0604	40	3	<1	<10	17.9	8740	0.6	5	2	10
0605	60	5	1	<10	52.1	16000	1.2	12	4	30
0606	60	2	3	<10	47.9	6190	0.8	12	2	56
0607	120	3	7	<10	107	6000	0.9	17	2	135
0608	330	<1	<1	<10	9.3	8	<0.5	12	<1	20
0609	420	<1	4	<10	57.2	67	<0.5	14	<1	74
0610	320	<1	1	<10	9.0	15	<0.5	12	<1	24
0611	510	<1	2	<10	29.4	25	<0.5	42	<1	49
0612	1420	<1	4	<10	37.5	31	<0.5	66	<1	79
0613	620	<1	3	<10	39.5	357	<0.5	681	1	111
0614	640	<1	2	<10	37.5	635	<0.5	85	1	76
0615	320	<1	3	<10	30.1	141	<0.5	112	1	83
0616	370	<1	1	<10	3.8	14	<0.5	4	<1	27
0617	680	<1	3	<10	20.8	42	0.5	9	<1	64
0618	270	1	2	<10	71.9	1910	<0.5	8	1	34
0619	310	<1	3	<10	30.8	294	<0.5	67	<1	59

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0620	380	<1	4	<10	56.1	626	<0.5	8	<1	76
0621	700	<1	2	<10	42.7	51	<0.5	57	4	40
0622	440	<1	1	<10	28.5	36	<0.5	16	<1	33
0623	670	<1	4	<10	42.5	436	<0.5	216	4	104
0624	500	<1	10	<10	146	233	0.5	74	2	208
0625	850	<1	4	<10	42.9	22	<0.5	23	<1	97
*Rep 0537	740	<1	2	<10	15.9	11	<0.5	22	<1	63
*Rep 0556	290	<1	<1	<10	4.3	15	<0.5	16	<1	20
*Rep 0572	20	<1	6	<10	37.1	1250	<0.5	11	<1	127
*Rep 0593	70	1	1	<10	29.7	3960	<0.5	6	<1	25
*Rep 0608	340	<1	1	<10	9.3	7	<0.5	10	<1	28
*Rep 0621	720	<1	3	<10	58.9	60	<0.5	40	5	70
*Rep 0625	790	<1	4	<10	40.8	22	<0.5	23	<1	91
*Std MMISRM18	1260	<1	<1	<10	18.6	20	<0.5	31	<1	20
*Std MMISRM16	430	<1	<1	<10	21.5	3	<0.5	54	<1	9
*Std MMISRM18	1060	<1	<1	<10	19.9	6	<0.5	31	<1	18
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO110391 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0530	21	610	44
0531	17	1010	230
0532	5	90	19
0533	70	340	61
0534	6	510	158
0535	8	400	24
0536	47	840	120
0537	5	300	10
0538	7	150	42
0539	27	960	51
0540	9	220	38
0541	25	530	260
0542	9	750	96
0543	5	300	157
0544	17	540	144
0545	35	130	165
0546	18	650	142
0547	13	250	60
0548	11	210	111
0549	7	170	14
0550	7	70	18
0551	9	580	38
0552	4	150	40
0553	12	120	42
0555	5	610	8
0556	1	30	8
0560	8	200	24
0561	2	460	85
0562	1	390	97
0563	4	280	45
0564	3	110	120
0565	7	80	9
0566	3	180	85
0567	4	150	110
0568	5	230	20
0569	<1	<20	<5
0570	4	150	67
0571	3	260	45
0572	9	120	53
0573	3	140	25
0574	38	580	267
0575	1	130	42
0576	6	1670	34

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Final : TO110391 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0577	42	240	29
0578	25	520	115
0579	3	30	38
0580	12	20	28
0581	14	<20	22
0582	34	650	164
0583	6	110	26
0584	11	570	30
0585	7	60	28
0586	28	330	209
0587	26	320	42
0588	14	940	108
0589	14	380	28
0590	52	270	143
0591	14	90	43
0592	4	90	20
0593	4	350	43
0594	68	100	207
0595	2	70	18
0596	2	30	37
0597	8	110	32
0598	8	310	59
0599	4	150	59
0600	8	130	42
0601	10	130	53
0602	34	110	42
0603	8	330	40
0604	2	210	90
0605	4	290	218
0606	5	180	97
0607	11	290	177
0608	2	50	10
0609	7	140	34
0610	1	40	8
0611	5	120	22
0612	8	150	44
0613	14	320	64
0614	10	420	59
0615	7	150	29
0616	2	70	9
0617	8	120	28
0618	3	450	93
0619	4	70	29

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Final : TO110391 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0620	7	800	59
0621	4	110	32
0622	4	60	33
0623	12	130	56
0624	24	220	109
0625	13	130	37
*Rep 0537	7	280	17
*Rep 0556	2	20	8
*Rep 0572	11	110	56
*Rep 0593	3	310	45
*Rep 0608	3	50	10
*Rep 0621	7	100	43
*Rep 0625	12	150	33
*Std MMISRM18	1	760	27
*Std MMISRM16	<1	290	17
*Std MMISRM18	<1	700	26
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110549

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jun 25, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 75
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
0926	7	35	<10	0.4	8540	<1	460	3	<5	13
0927	10	29	<10	0.4	12100	<1	480	4	54	15
0928	8	89	<10	0.2	19800	<1	410	3	2930	46
0929	2	10	<10	<0.1	21400	<1	270	3	53	61
0930	5	7	<10	0.2	18500	<1	240	2	63	30
0931	3	42	<10	0.2	16900	<1	380	3	185	12
0932	6	73	<10	0.3	19600	<1	520	3	856	13
0933	4	10	<10	0.2	10800	<1	240	4	17	151
0934	6	16	<10	0.2	12600	<1	380	4	<5	35
0935	3	20	<10	0.2	12700	<1	560	2	<5	19
0936	7	31	<10	0.8	10200	<1	510	4	100	58
0937	5	30	<10	0.4	11300	<1	450	3	48	17
0938	6	33	<10	0.4	12200	<1	450	6	33	21
0939	2	155	<10	0.2	11100	<1	210	8	714	44
0940	8	95	<10	<0.1	14200	<1	570	5	295	12
0941	12	85	<10	0.2	10500	<1	570	20	49	28
0942	4	25	<10	0.3	7000	<1	370	3	28	32
0943	5	138	<10	0.1	10000	<1	190	11	338	99
0944	7	106	<10	0.1	13000	<1	280	11	328	81
0945	14	16	<10	0.1	18200	<1	580	6	57	155
0946	8	16	10	0.2	31800	<1	450	7	304	61
0947	5	29	<10	0.2	13400	<1	380	3	114	20
0948	2	92	<10	0.3	20900	<1	350	7	126	20
0949	2	125	<10	0.2	17900	<1	310	10	175	54
0950	<1	>300	10	<0.1	9870	<1	50	4	668	104
0951	11	11	<10	0.2	10300	<1	300	1	65	10
0952	2	268	<10	<0.1	7580	<1	10	8	92	16
0953	3	45	<10	0.3	11900	<1	440	4	138	10
0954	7	18	<10	0.3	16800	<1	330	3	206	70
0955	2	244	<10	<0.1	6290	<1	10	8	186	35
0956	2	14	<10	0.5	9050	<1	260	2	<5	18
0957	3	26	<10	0.3	13400	<1	420	4	<5	9
0958	6	33	<10	0.1	12000	<1	420	12	136	53
0959	11	23	<10	0.3	16000	<1	290	4	89	27
0960	3	12	10	0.2	11200	<1	330	3	76	15
0961	10	10	<10	0.2	31900	<1	280	6	22	17
0962	9	13	<10	0.3	24200	<1	340	6	93	39
0963	5	56	<10	0.2	13900	<1	470	7	198	127
0964	5	84	<10	<0.1	9770	<1	400	16	98	252
0965	5	27	<10	<0.1	8480	<1	280	10	769	102
0966	4	48	<10	0.3	16600	<1	480	2	98	8
0967	11	43	<10	<0.1	8490	<1	310	19	247	22
0968	1	>300	<10	<0.1	12800	<1	20	5	283	84

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0969	2	276	30	<0.1	1370	<1	<10	15	35	20
0970	2	237	<10	<0.1	1600	<1	<10	<1	43	21
0971	3	126	<10	<0.1	340	<1	<10	6	96	16
0972	5	211	<10	<0.1	2470	<1	<10	9	<5	15
0973	6	164	<10	0.2	20100	<1	120	6	517	29
0974	2	>300	20	<0.1	16400	<1	<10	9	72	38
0975	2	183	<10	<0.1	3050	<1	<10	4	29	16
0976	1	111	20	<0.1	2430	2	<10	4	81	7
0977	2	191	<10	<0.1	1650	<1	<10	7	20	6
0978	3	226	<10	<0.1	10800	<1	<10	6	175	42
0979	<1	255	<10	<0.1	5260	<1	<10	9	13	25
0980	1	249	20	<0.1	430	<1	20	18	53	17
0981	3	242	<10	<0.1	1190	<1	<10	10	74	26
0982	2	>300	40	<0.1	540	2	<10	4	134	12
0983	4	>300	<10	<0.1	570	<1	<10	31	38	14
0984	3	235	<10	<0.1	580	<1	<10	20	61	20
0985	3	243	10	<0.1	550	<1	<10	10	33	37
0986	3	>300	20	<0.1	570	<1	<10	8	62	14
0987	3	273	10	<0.1	530	<1	<10	13	39	13
0988	6	230	<10	<0.1	1440	<1	<10	15	343	41
0989	7	>300	20	<0.1	1790	<1	<10	13	76	31
0990	7	138	<10	0.6	870	<1	230	12	111	26
0991	7	151	<10	0.2	1930	<1	40	9	247	21
0992	11	118	10	0.3	1780	<1	640	42	336	118
0993	7	63	<10	<0.1	2390	<1	370	9	202	59
0994	2	>300	10	<0.1	850	<1	70	2	376	39
0995	9	84	<10	0.3	1450	<1	430	5	110	36
0996	7	131	<10	0.1	1170	<1	440	4	254	16
0997	11	55	<10	0.1	860	<1	530	9	48	60
0998	10	26	20	0.2	3270	<1	400	9	169	67
0999	10	19	<10	0.2	1540	<1	450	11	78	291
1000	1	63	<10	<0.1	670	<1	400	2	93	65
*Rep 0929	3	13	<10	<0.1	20700	<1	300	3	28	73
*Rep 0948	2	97	<10	0.5	23700	<1	370	7	129	18
*Rep 0960	5	7	20	0.1	11400	<1	250	4	57	17
*Rep 0969	3	>300	30	<0.1	2170	<1	<10	15	43	26
*Rep 0985	3	228	<10	<0.1	500	<1	<10	12	30	34
*Rep 0996	7	135	<10	0.2	1330	<1	430	3	249	16
*Std MMISRM18	17	20	<10	7.7	180	<1	180	68	11	53
*Std MMISRM16	16	47	20	25.3	80	<1	200	4	21	59
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0926	<100	<0.5	680	16	9.6	3.6	5	12	20	3
0927	<100	<0.5	790	29	17.0	7.6	13	18	38	1
0928	200	1.0	1160	259	160	65.5	42	32	334	<1
0929	<100	0.8	3520	10	5.5	2.7	8	31	14	<1
0930	<100	<0.5	2820	10	6.3	2.7	29	28	15	<1
0931	<100	0.9	480	36	19.3	10.3	15	22	52	<1
0932	100	<0.5	1350	183	123	38.4	18	30	210	3
0933	<100	<0.5	600	4	2.5	1.1	3	16	6	<1
0934	<100	<0.5	1100	7	4.8	1.3	3	19	9	2
0935	<100	<0.5	860	14	8.7	2.4	3	19	14	4
0936	<100	<0.5	1160	17	9.7	4.6	10	15	24	<1
0937	<100	0.5	640	18	9.8	4.8	8	17	25	2
0938	<100	<0.5	860	21	10.8	5.8	9	18	29	1
0939	100	1.4	640	88	50.9	21.7	91	21	98	<1
0940	<100	1.1	1000	65	42.5	13.8	23	22	74	2
0941	<100	0.6	1240	14	8.8	3.0	7	15	17	<1
0942	<100	<0.5	570	8	4.4	2.1	9	10	11	<1
0943	<100	1.9	980	103	66.5	13.9	200	19	72	<1
0944	100	1.6	1130	40	26.7	8.3	172	23	39	<1
0945	<100	<0.5	3050	14	10.2	3.0	9	27	17	<1
0946	<100	0.9	8850	21	12.6	6.5	29	47	34	<1
0947	<100	0.8	740	30	15.3	9.4	12	20	45	<1
0948	<100	<0.5	810	63	36.6	18.1	8	30	88	2
0949	<100	0.8	540	58	34.8	13.6	37	28	65	<1
0950	200	9.9	370	40	17.6	11.7	132	50	49	<1
0951	<100	<0.5	400	11	4.8	5.2	6	16	21	<1
0952	100	4.0	160	7	4.0	1.8	107	20	7	<1
0953	<100	<0.5	660	25	14.9	6.3	11	18	31	3
0954	<100	0.6	1570	18	9.0	6.3	22	26	29	<1
0955	<100	5.2	260	19	9.8	4.7	93	23	19	<1
0956	<100	<0.5	530	5	2.9	1.2	3	13	7	1
0957	<100	0.5	730	10	6.0	1.9	6	20	11	4
0958	<100	1.5	1050	16	7.6	5.1	14	17	25	<1
0959	<100	1.5	5230	11	7.3	3.0	66	27	15	<1
0960	<100	0.6	2760	5	2.9	1.6	69	17	8	<1
0961	<100	<0.5	6380	7	5.5	1.0	37	47	7	<1
0962	<100	<0.5	6350	18	11.0	4.1	23	36	23	<1
0963	<100	0.6	1390	9	4.6	2.9	21	21	13	<1
0964	<100	1.0	780	21	16.8	3.4	110	15	18	<1
0965	<100	1.2	650	29	13.3	12.3	33	14	52	<1
0966	<100	0.5	640	26	15.2	6.6	13	24	34	3
0967	<100	1.3	490	22	8.8	9.6	7	13	41	<1
0968	200	6.4	270	19	9.6	4.7	175	38	20	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0969	200	2.9	130	4	2.6	1.1	182	42	3	<1
0970	100	9.9	90	4	2.5	1.0	174	52	3	<1
0971	<100	5.4	130	33	19.1	6.4	20	7	29	<1
0972	<100	6.0	90	2	2.1	<0.5	66	16	1	<1
0973	<100	2.3	420	116	61.0	32.8	38	33	152	<1
0974	100	2.8	150	6	3.6	1.6	151	47	5	<1
0975	<100	3.5	130	8	6.2	1.1	53	14	4	<1
0976	100	2.7	130	3	1.3	0.9	29	36	4	<1
0977	<100	3.4	100	8	6.2	1.1	30	9	4	<1
0978	100	4.0	150	26	15.0	5.7	131	42	25	<1
0979	<100	0.6	60	3	3.0	<0.5	114	20	2	<1
0980	200	1.5	90	4	2.2	1.5	148	53	5	1
0981	<100	5.2	110	12	7.8	2.0	67	28	8	<1
0982	400	5.3	170	9	4.2	3.1	228	136	11	1
0983	100	4.0	240	4	2.3	1.0	96	23	3	<1
0984	<100	5.9	90	9	6.7	2.0	58	30	7	<1
0985	<100	7.0	170	4	3.3	0.9	116	23	3	<1
0986	100	4.2	90	6	3.9	1.6	116	38	5	<1
0987	<100	2.9	170	3	2.1	0.6	191	29	2	<1
0988	<100	6.8	290	38	17.8	9.4	44	29	41	<1
0989	100	5.2	260	8	4.7	1.7	89	37	7	<1
0990	<100	5.2	320	15	7.2	4.0	25	19	18	<1
0991	<100	4.5	280	76	40.8	16.4	27	31	77	<1
0992	<100	1.0	8920	38	27.8	8.1	24	25	40	<1
0993	<100	<0.5	600	15	7.4	5.4	9	34	26	<1
0994	<100	5.4	220	40	17.9	11.0	96	31	47	<1
0995	<100	<0.5	1110	16	9.1	4.4	16	21	23	2
0996	<100	1.1	1040	38	25.5	8.0	31	19	39	<1
0997	<100	<0.5	1200	13	8.5	3.3	11	14	17	1
0998	<100	0.9	6130	20	11.7	5.6	40	45	29	<1
0999	<100	<0.5	1690	8	5.3	1.4	5	20	9	<1
1000	<100	2.9	1760	5	3.0	1.7	197	12	8	<1
*Rep 0929	<100	0.7	3080	7	3.7	1.8	8	31	9	<1
*Rep 0948	<100	<0.5	820	63	34.5	18.6	8	34	90	2
*Rep 0960	<100	0.6	3070	5	2.8	1.5	44	17	7	<1
*Rep 0969	200	5.1	150	4	2.7	1.1	223	44	4	1
*Rep 0985	<100	5.6	150	5	4.2	0.8	98	22	3	<1
*Rep 0996	<100	1.3	910	45	31.1	8.5	45	20	42	<1
*Std MMISRM18	<100	5.0	660	3	1.1	0.9	3	3	4	4
*Std MMISRM16	<100	13.0	650	3	1.1	1.3	2	3	5	21
*Blk BLANK	<100	<0.5	10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0926	<0.5	13.4	3	<5	132	260	<5	<0.5	35	71
0927	<0.5	14.2	64	<5	155	620	<5	1.1	136	97
0928	<0.5	5.4	1770	15	113	650	<5	3.1	1640	245
0929	<0.5	37.5	35	54	81	4040	281	1.3	65	337
0930	<0.5	25.9	34	20	66	7040	<5	1.0	62	72
0931	<0.5	10.2	96	6	100	490	<5	0.9	194	84
0932	<0.5	16.7	542	8	155	520	<5	0.9	713	477
0933	<0.5	18.8	5	39	82	16500	14	<0.5	18	177
0934	<0.5	27.1	<1	49	120	2300	<5	<0.5	9	94
0935	<0.5	9.3	<1	7	151	760	<5	<0.5	18	61
0936	<0.5	11.2	32	<5	104	1270	<5	0.8	80	103
0937	<0.5	13.8	25	<5	97	560	<5	<0.5	74	63
0938	<0.5	15.0	44	<5	103	780	<5	0.5	100	92
0939	<0.5	9.1	194	8	48	1020	<5	4.4	409	91
0940	<0.5	16.0	202	11	111	210	<5	0.9	292	198
0941	<0.5	21.2	37	30	94	350	<5	<0.5	56	244
0942	<0.5	11.1	10	6	45	2760	<5	0.7	32	60
0943	<0.5	14.7	130	7	59	3920	<5	3.5	250	298
0944	<0.5	14.0	115	8	57	3270	<5	4.9	179	228
0945	<0.5	15.9	12	18	110	8900	<5	0.5	48	113
0946	<0.5	16.9	113	15	77	2060	24	1.6	182	83
0947	<0.5	7.6	91	<5	101	970	<5	<0.5	168	90
0948	<0.5	14.5	237	<5	73	660	<5	0.7	357	54
0949	<0.5	17.5	152	<5	65	1080	<5	1.5	246	70
0950	<0.5	13.2	259	16	10	3530	<5	23.9	278	108
0951	<0.5	10.1	37	<5	76	520	<5	<0.5	88	59
0952	<0.5	9.4	30	<5	2	130	<5	7.1	31	48
0953	<0.5	15.3	56	<5	105	600	<5	1.0	113	58
0954	<0.5	13.6	79	<5	63	2820	<5	1.0	142	70
0955	<0.5	5.5	63	<5	1	110	<5	5.5	81	52
0956	<0.5	12.4	<1	22	72	1140	<5	<0.5	7	47
0957	<0.5	17.9	<1	5	104	220	<5	<0.5	19	35
0958	<0.5	13.8	43	<5	73	1140	<5	0.7	100	74
0959	<0.5	23.8	38	32	40	4100	<5	3.3	71	70
0960	<0.5	15.6	31	13	32	2190	24	2.2	48	83
0961	<0.5	29.4	4	34	41	2720	<5	1.2	16	40
0962	<0.5	26.5	23	21	75	2180	59	0.8	77	68
0963	<0.5	15.6	40	<5	50	9750	<5	2.3	70	87
0964	<0.5	16.9	36	<5	103	11800	<5	0.9	59	295
0965	<0.5	9.9	221	<5	51	7880	<5	2.9	317	60
0966	<0.5	12.1	64	<5	102	320	<5	1.0	129	71
0967	<0.5	8.6	77	<5	52	2750	<5	<0.5	181	168
0968	<0.5	11.3	126	26	7	4350	<5	16.2	120	105

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0969	<0.5	28.3	7	<5	2	520	<5	13.3	7	59
0970	<0.5	4.6	15	<5	<1	<10	<5	11.7	13	100
0971	<0.5	17.6	25	<5	<1	160	<5	1.0	90	22
0972	<0.5	10.1	<1	<5	<1	<10	<5	3.0	<1	20
0973	<0.5	13.6	591	<5	27	510	<5	5.3	721	38
0974	<0.5	24.2	31	5	2	660	<5	12.4	27	52
0975	<0.5	11.4	2	<5	<1	130	<5	4.2	8	26
0976	<0.5	7.1	44	<5	1	100	<5	17.3	39	11
0977	<0.5	6.2	3	<5	<1	60	<5	1.7	6	14
0978	<0.5	21.9	40	6	2	1860	<5	16.5	88	74
0979	<0.5	8.0	<1	6	1	120	<5	5.8	<1	56
0980	<0.5	15.0	29	6	3	420	<5	25.0	22	83
0981	<0.5	16.9	28	<5	<1	170	<5	4.9	33	42
0982	<0.5	12.2	64	44	5	140	6	51.5	56	68
0983	<0.5	11.3	19	<5	<1	90	<5	7.8	16	41
0984	<0.5	11.3	26	<5	<1	320	<5	3.3	28	48
0985	<0.5	11.1	11	<5	2	40	<5	4.7	13	69
0986	<0.5	13.0	25	<5	<1	300	<5	7.4	25	33
0987	<0.5	12.8	15	<5	3	120	<5	10.6	11	82
0988	<0.5	19.4	88	<5	3	1110	<5	6.5	157	43
0989	<0.5	15.5	34	<5	1	150	<5	7.6	33	48
0990	<0.5	76.1	52	<5	17	930	<5	3.4	68	34
0991	<0.5	20.5	125	<5	9	1120	<5	5.2	245	23
0992	<0.5	16.5	171	<5	94	1390	18	5.6	188	502
0993	<0.5	17.8	88	<5	73	1110	<5	1.0	121	72
0994	<0.5	10.8	197	<5	13	850	<5	9.2	234	99
0995	<0.5	22.3	70	37	80	1560	<5	0.7	98	107
0996	<0.5	12.7	153	<5	75	510	<5	0.7	172	176
0997	<0.5	19.6	35	30	112	2960	<5	<0.5	60	181
0998	<0.5	34.6	67	14	55	3470	94	1.3	123	233
0999	<0.5	21.7	11	39	111	42700	26	<0.5	26	251
1000	<0.5	17.4	46	10	55	4730	19	2.1	52	202
*Rep 0929	<0.5	33.7	18	50	75	4310	191	1.5	38	311
*Rep 0948	<0.5	16.1	226	<5	75	500	<5	0.7	363	52
*Rep 0960	<0.5	16.0	21	11	28	2110	32	1.5	40	89
*Rep 0969	<0.5	36.5	9	6	2	680	<5	15.2	9	75
*Rep 0985	<0.5	10.7	9	<5	1	70	<5	3.7	12	60
*Rep 0996	<0.5	12.6	146	<5	82	300	<5	0.7	169	184
*Std MMISRM18	<0.5	22.3	<1	<5	73	600	27	<0.5	9	411
*Std MMISRM16	<0.5	35.7	5	<5	30	110	47	<0.5	18	218
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	1	<5
*Bik BLANK	<0.5	<0.1	1	<5	<1	50	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0926	<0.1	20	<1	4	<1	98	<1	13	13	<1
0927	<0.1	30	<1	23	<1	69	<1	17	31	<1
0928	0.3	140	<1	420	<1	67	<1	82	294	<1
0929	0.1	580	<1	12	<1	113	4	5	13	<1
0930	0.1	540	<1	11	<1	39	<1	<5	12	<1
0931	0.1	50	<1	34	<1	97	<1	13	42	<1
0932	<0.1	180	<1	131	<1	78	<1	50	158	<1
0933	<0.1	60	<1	2	<1	172	<1	<5	4	<1
0934	<0.1	70	<1	<1	<1	83	<1	<5	5	<1
0935	<0.1	60	<1	<1	<1	55	<1	6	8	<1
0936	0.1	70	<1	13	<1	37	<1	9	19	<1
0937	<0.1	30	<1	11	<1	122	<1	11	19	<1
0938	<0.1	40	<1	16	<1	84	<1	11	24	<1
0939	0.5	380	1	75	<1	160	<1	104	94	<1
0940	<0.1	210	<1	59	<1	166	<1	22	61	<1
0941	<0.1	70	<1	10	<1	70	<1	7	13	<1
0942	0.1	60	<1	5	<1	38	<1	5	8	<1
0943	0.6	270	<1	45	<1	133	<1	52	56	<1
0944	0.7	300	<1	37	<1	107	<1	64	37	<1
0945	<0.1	80	<1	7	<1	39	<1	6	12	<1
0946	<0.1	1390	<1	34	<1	79	3	7	31	<1
0947	<0.1	50	<1	30	<1	108	<1	15	38	<1
0948	0.2	120	<1	66	<1	87	<1	44	75	<1
0949	0.2	250	<1	47	<1	110	<1	66	57	<1
0950	5.1	160	<1	61	<1	192	<1	48	51	3
0951	0.2	10	<1	14	<1	22	<1	8	21	<1
0952	3.2	90	<1	6	<1	212	<1	25	7	<1
0953	<0.1	40	<1	20	<1	73	<1	14	26	<1
0954	0.2	160	<1	27	<1	85	<1	12	27	<1
0955	1.7	200	<1	17	<1	104	<1	27	18	<1
0956	<0.1	50	<1	<1	<1	28	<1	<5	4	<1
0957	<0.1	30	<1	1	<1	123	<1	8	7	<1
0958	0.2	60	<1	17	<1	172	<1	8	22	<1
0959	0.2	710	<1	13	<1	125	<1	13	14	<1
0960	0.2	270	<1	9	<1	48	1	<5	8	<1
0961	0.1	620	<1	2	<1	41	2	5	5	<1
0962	0.1	610	<1	11	<1	68	3	<5	18	<1
0963	0.1	80	<1	13	<1	69	<1	6	13	<1
0964	0.2	70	<1	11	<1	130	<1	29	14	<1
0965	0.4	40	<1	63	<1	143	<1	20	56	<1
0966	<0.1	40	<1	23	<1	92	<1	17	29	<1
0967	0.2	20	<1	30	<1	138	<1	12	42	<1
0968	5.2	190	<1	27	<1	251	<1	45	22	2

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0969	8.4	270	<1	<1	<1	74	<1	22	3	2
0970	6.1	110	<1	3	<1	73	<1	16	3	<1
0971	0.2	190	<1	13	<1	419	<1	44	23	<1
0972	1.7	210	<1	<1	<1	227	<1	14	<1	<1
0973	0.7	310	<1	136	<1	191	<1	100	143	<1
0974	3.0	110	<1	5	<1	208	<1	30	5	2
0975	0.6	440	<1	<1	<1	128	<1	23	3	<1
0976	5.2	260	<1	9	<1	55	<1	16	5	9
0977	0.5	300	<1	<1	<1	172	<1	25	3	<1
0978	1.7	340	<1	14	<1	261	<1	53	21	2
0979	1.3	100	<1	<1	<1	106	<1	16	<1	<1
0980	10.4	330	<1	6	<1	119	<1	28	5	6
0981	0.6	390	<1	8	<1	205	<1	33	7	<1
0982	7.6	280	<1	15	<1	82	1	42	11	13
0983	3.0	280	<1	4	<1	168	<1	21	3	<1
0984	0.9	340	<1	7	<1	200	<1	33	6	<1
0985	1.6	550	<1	3	<1	193	<1	22	3	<1
0986	1.7	700	<1	6	<1	150	1	28	5	<1
0987	3.3	100	<1	3	<1	197	<1	17	2	1
0988	1.8	450	<1	33	<1	297	<1	49	38	<1
0989	3.2	340	<1	8	<1	350	2	25	7	1
0990	0.8	180	<1	15	<1	236	<1	32	16	<1
0991	0.7	570	<1	47	<1	271	<1	75	62	<1
0992	0.3	920	<1	46	<1	126	1	30	37	<1
0993	0.2	70	<1	28	<1	90	<1	10	24	<1
0994	1.9	160	<1	58	<1	201	<1	30	46	<1
0995	0.2	80	<1	22	<1	39	<1	13	21	<1
0996	0.1	130	<1	42	<1	188	<1	30	35	<1
0997	<0.1	70	<1	13	<1	84	<1	8	14	<1
0998	0.1	1060	<1	25	<1	392	2	8	25	<1
0999	<0.1	80	<1	5	<1	31	<1	<5	7	<1
1000	0.2	70	<1	13	<1	124	<1	14	9	<1
*Rep 0929	0.1	490	<1	6	<1	109	2	<5	8	<1
*Rep 0948	0.2	100	<1	69	<1	96	<1	42	78	<1
*Rep 0960	0.1	350	<1	7	<1	50	1	<5	7	<1
*Rep 0969	10.3	310	<1	1	<1	110	1	26	3	2
*Rep 0985	1.1	470	<1	3	<1	185	<1	22	3	<1
*Rep 0996	0.1	170	<1	41	<1	192	<1	32	35	<1
*Std MMISRM18	0.6	250	12	<1	5	141	<1	<5	4	<1
*Std MMISRM16	0.3	100	26	3	<1	326	<1	9	5	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0926	780	<1	2	<10	11.3	6	<0.5	4	<1	84
0927	1220	<1	5	<10	44.2	46	<0.5	9	<1	138
0928	1250	<1	40	<10	133	321	<0.5	26	1	1680
0929	970	<1	2	<10	12.2	26	<0.5	90	2	59
0930	690	<1	2	<10	31.7	34	<0.5	3	2	66
0931	1630	<1	6	<10	60.8	28	<0.5	18	<1	146
0932	2430	<1	26	<10	60.8	73	<0.5	43	<1	1180
0933	420	<1	<1	<10	6.5	4	<0.5	17	2	27
0934	620	<1	1	<10	4.1	11	<0.5	38	<1	44
0935	1460	<1	2	<10	8.6	12	<0.5	6	<1	70
0936	670	<1	3	<10	22.3	21	<0.5	18	<1	81
0937	1420	<1	3	<10	36.6	7	<0.5	33	<1	85
0938	1520	<1	3	<10	30.0	13	<0.5	15	<1	91
0939	400	<1	13	<10	209	565	<0.5	45	<1	391
0940	1270	<1	9	<10	52.3	95	<0.5	125	<1	345
0941	1070	<1	2	<10	12.4	25	<0.5	85	<1	83
0942	570	<1	1	<10	18.3	56	<0.5	3	<1	43
0943	540	<1	12	<10	57.7	392	<0.5	16	<1	704
0944	480	<1	5	<10	82.4	549	<0.5	31	<1	192
0945	1630	<1	2	<10	19.6	49	<0.5	13	<1	74
0946	1820	<1	4	<10	40.3	110	<0.5	15	1	104
0947	1230	<1	5	<10	36.6	10	<0.5	10	<1	138
0948	1190	<1	10	<10	52.7	13	<0.5	14	<1	321
0949	1020	<1	9	<10	48.5	153	<0.5	18	<1	312
0950	170	2	6	<10	83.1	5100	<0.5	10	1	188
0951	410	<1	2	<10	14.2	21	<0.5	3	<1	57
0952	50	<1	1	<10	31.9	1220	<0.5	6	<1	30
0953	1060	<1	4	<10	61.8	31	<0.5	17	<1	114
0954	460	<1	3	<10	35.2	69	<0.5	12	<1	87
0955	40	<1	3	<10	35.5	961	<0.5	6	<1	80
0956	370	<1	<1	<10	6.7	22	<0.5	9	<1	28
0957	1030	<1	1	<10	9.8	45	<0.5	13	<1	47
0958	520	<1	3	<10	16.4	15	<0.5	10	<1	75
0959	690	<1	2	<10	59.3	364	<0.5	9	1	67
0960	620	<1	<1	<10	31.4	101	<0.5	26	2	30
0961	1810	<1	<1	<10	14.0	96	<0.5	18	2	47
0962	1590	<1	3	<10	34.8	69	<0.5	43	1	100
0963	650	<1	2	<10	38.8	38	<0.5	7	<1	44
0964	1130	<1	2	<10	22.0	50	<0.5	46	<1	118
0965	420	<1	5	<10	61.8	380	<0.5	8	<1	146
0966	1270	<1	4	<10	52.5	61	<0.5	19	<1	125
0967	440	<1	4	<10	40.8	34	<0.5	17	<1	99
0968	90	1	3	<10	89.8	2780	<0.5	11	1	78

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0969	50	<1	<1	<10	25.2	2620	<0.5	5	<1	18
0970	60	<1	<1	<10	18.1	2200	<0.5	4	<1	15
0971	<10	<1	4	<10	13.9	265	<0.5	6	<1	194
0972	<10	<1	<1	<10	6.3	711	<0.5	3	<1	11
0973	530	<1	18	<10	51.3	1060	<0.5	12	<1	769
0974	130	<1	<1	<10	19.2	3010	<0.5	4	<1	27
0975	20	<1	<1	<10	8.7	951	<0.5	3	<1	48
0976	80	1	<1	<10	34.9	5730	<0.5	3	1	13
0977	<10	<1	<1	<10	7.3	461	<0.5	3	<1	47
0978	50	1	4	<10	22.6	4780	<0.5	5	1	154
0979	50	<1	<1	<10	7.3	1410	<0.5	2	<1	16
0980	200	2	<1	<10	15.5	7660	<0.5	6	1	19
0981	30	<1	2	<10	18.1	1260	<0.5	6	<1	58
0982	80	5	2	<10	40.5	16900	<0.5	10	3	37
0983	30	<1	<1	<10	17.7	1800	<0.5	4	<1	16
0984	30	<1	1	<10	13.0	957	<0.5	3	<1	53
0985	40	<1	<1	<10	22.8	1130	<0.5	4	<1	19
0986	30	<1	<1	<10	20.5	1740	<0.5	5	<1	27
0987	60	<1	<1	<10	15.9	2480	<0.5	3	<1	12
0988	50	<1	7	<10	50.9	1850	<0.5	8	<1	173
0989	40	<1	1	<10	23.4	2050	<0.5	5	<1	34
0990	230	<1	3	<10	20.7	863	<0.5	6	<1	70
0991	390	<1	13	<10	34.4	1440	<0.5	9	<1	421
0992	980	<1	6	<10	53.6	136	<0.5	1590	1	236
0993	420	<1	3	<10	35.4	66	<0.5	15	<1	71
0994	190	<1	7	<10	42.6	1840	<0.5	7	<1	195
0995	660	<1	3	<10	27.9	72	<0.5	45	<1	96
0996	650	<1	6	<10	44.5	23	<0.5	37	<1	225
0997	760	<1	2	<10	18.2	26	<0.5	59	<1	78
0998	720	<1	4	<10	59.4	127	<0.5	51	1	115
0999	900	<1	1	<10	9.0	24	<0.5	26	<1	46
1000	560	<1	1	<10	8.6	99	<0.5	164	<1	34
*Rep 0929	790	<1	1	<10	10.8	28	<0.5	62	2	40
*Rep 0948	1240	<1	10	<10	63.8	14	<0.5	14	<1	296
*Rep 0960	560	<1	<1	<10	27.5	70	<0.5	25	1	28
*Rep 0969	60	<1	<1	<10	33.5	2840	<0.5	5	<1	18
*Rep 0985	40	<1	<1	<10	17.7	898	<0.5	4	<1	23
*Rep 0996	700	<1	7	<10	40.2	23	<0.5	40	<1	270
*Std MMISRM18	1140	<1	<1	<10	14.9	8	<0.5	21	<1	16
*Std MMISRM16	470	<1	<1	<10	24.6	25	<0.5	53	<1	11
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO110549 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0926	7	30	12
0927	13	220	31
0928	129	590	117
0929	5	110	22
0930	6	20	33
0931	14	200	24
0932	96	180	38
0933	2	120	<5
0934	4	110	<5
0935	7	80	6
0936	8	50	16
0937	8	<20	20
0938	8	170	18
0939	43	1260	234
0940	34	70	40
0941	7	280	11
0942	4	70	24
0943	48	440	76
0944	23	830	120
0945	9	170	19
0946	10	50	40
0947	11	120	16
0948	30	160	43
0949	27	390	54
0950	12	370	160
0951	4	<20	18
0952	3	220	60
0953	12	50	44
0954	7	30	43
0955	7	210	46
0956	2	30	10
0957	5	70	14
0958	6	270	15
0959	7	50	92
0960	3	40	37
0961	6	40	46
0962	10	30	43
0963	4	160	29
0964	13	450	30
0965	11	140	55
0966	13	50	39
0967	6	480	23
0968	7	790	155

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Final : TO110549 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0969	2	250	58
0970	3	110	26
0971	13	40	26
0972	2	180	19
0973	44	260	96
0974	3	220	75
0975	5	190	24
0976	1	280	53
0977	5	70	22
0978	12	330	72
0979	3	170	24
0980	2	380	83
0981	7	260	37
0982	4	120	189
0983	2	280	45
0984	6	140	21
0985	3	160	38
0986	4	290	47
0987	2	260	45
0988	13	130	84
0989	4	460	51
0990	5	170	40
0991	29	60	51
0992	24	560	66
0993	6	260	30
0994	12	470	67
0995	8	190	33
0996	20	60	41
0997	7	110	15
0998	10	40	60
0999	4	80	7
1000	3	90	12
*Rep 0929	3	120	18
*Rep 0948	27	140	44
*Rep 0960	3	30	44
*Rep 0969	3	290	73
*Rep 0985	4	160	29
*Rep 0996	24	70	40
*Std MMISRM18	<1	570	21
*Std MMISRM16	<1	260	20
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110548

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jun 28, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 75
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0851	3	73	<10	<0.1	1200	<1	390	12	346	31
0852	4	19	20	0.3	3510	<1	360	4	1120	98
0853	2	94	20	0.4	1970	2	230	4	1180	84
0854	5	26	10	0.2	4180	<1	310	2	536	51
0855	7	15	<10	0.3	3550	<1	330	4	256	47
0856	2	22	20	0.2	3770	<1	380	3	229	79
0857	3	36	60	<0.1	1400	<1	240	5	521	53
0858	3	38	20	0.1	1460	1	280	2	867	38
0859	2	13	<10	0.3	4230	<1	320	1	154	37
0860	7	13	<10	0.1	2090	<1	380	5	146	145
0861	1	14	20	0.1	2680	<1	330	2	1100	15
0862	7	67	<10	0.3	2710	<1	370	5	311	71
0863	2	81	<10	<0.1	440	<1	340	14	237	56
0864	8	57	<10	0.2	1820	<1	390	8	143	67
0865	4	40	<10	0.2	4690	<1	350	5	715	41
0866	9	94	40	0.2	2250	1	250	14	807	97
0867	2	4	10	0.1	2340	<1	120	2	48	48
0868	3	6	<10	0.2	1470	<1	250	3	63	31
0869	<1	>300	<10	<0.1	2490	<1	10	2	279	33
0870	1	26	<10	0.1	1750	<1	290	5	1070	36
0871	3	19	10	0.3	3100	<1	290	3	230	29
0872	3	14	<10	0.2	3740	<1	310	3	306	23
0873	4	34	20	0.2	3220	<1	320	4	197	49
0874	4	26	<10	0.3	2320	<1	410	4	22	189
0875	1	54	<10	0.2	1660	<1	500	4	74	58
0876	8	18	<10	0.2	1000	<1	420	5	31	113
0877	3	21	<10	0.1	1270	<1	430	6	24	95
0878	7	13	<10	0.2	2070	<1	320	4	45	202
0879	4	120	20	0.1	2650	<1	170	4	1210	97
0880	3	56	<10	0.2	2400	<1	260	7	549	33
0881	7	15	<10	0.2	2340	<1	310	7	8	12
0882	7	45	<10	<0.1	1870	<1	460	16	76	52
0883	5	19	<10	0.3	1460	<1	310	3	21	19
0884	3	42	<10	0.2	1650	<1	320	6	82	16
0885	4	23	<10	0.2	2190	<1	310	6	107	42
0886	<1	106	<10	<0.1	1450	<1	210	18	337	37
0887	4	22	<10	0.2	1700	<1	360	2	<5	7
0888	7	47	<10	0.2	1820	<1	300	9	81	12
0889	4	76	<10	<0.1	1300	<1	190	5	627	31
0890	<1	287	30	<0.1	1620	<1	<10	16	33	43
0891	<1	>300	40	<0.1	1210	1	<10	9	145	20
0892	3	150	<10	0.1	2000	<1	230	12	348	61
0893	5	16	<10	0.3	1680	<1	320	2	39	29

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
0894	2	49	<10	<0.1	650	<1	410	6	86	30
0895	<1	100	<10	0.1	270	<1	230	2	319	27
0896	5	33	<10	0.1	3790	<1	250	5	775	56
0897	<1	13	20	0.1	3410	<1	350	1	1140	9
0898	3	132	<10	<0.1	2850	<1	230	21	69	72
0899	2	98	<10	<0.1	1570	<1	440	15	126	23
0900	3	24	<10	0.4	1270	<1	300	5	39	126
0901	<1	297	20	<0.1	1900	<1	20	4	306	42
0902	1	8	<10	0.3	1050	<1	220	2	<5	<5
0903	1	10	<10	0.2	1560	<1	230	2	<5	29
0904	4	32	20	0.2	2890	<1	210	3	2950	97
0905	6	78	20	0.2	3680	<1	220	5	4160	102
0906	<1	>300	10	<0.1	2530	<1	20	2	222	44
0907	3	>300	30	<0.1	3760	2	30	1	1230	59
0908	5	>300	<10	<0.1	4570	2	<10	<1	1420	12
0909	<1	162	20	<0.1	2250	1	90	<1	1260	29
0910	<1	277	<10	<0.1	1550	<1	<10	4	264	46
0911	<1	>300	<10	0.1	2840	<1	<10	<1	481	17
0912	3	12	<10	0.2	1760	<1	280	2	6	<5
0913	6	68	<10	0.1	3100	<1	270	23	838	91
0914	10	75	<10	0.1	850	<1	350	36	195	113
0915	2	5	10	0.1	2580	<1	230	3	43	33
0916	<1	4	<10	0.2	1600	<1	210	2	7	47
0917	<1	262	<10	<0.1	3280	<1	30	32	266	73
0918	4	65	<10	0.1	1570	<1	280	5	1040	8
0919	5	40	20	0.3	4330	<1	280	4	157	68
0920	4	24	<10	0.2	4270	<1	280	5	115	106
0921	2	65	<10	0.2	2010	<1	250	2	118	16
0922	2	58	<10	<0.1	2150	<1	400	4	67	34
0923	2	7	<10	0.1	1470	<1	230	2	33	18
0924	<1	221	<10	<0.1	410	<1	10	4	765	17
0925	6	13	<10	0.3	2050	<1	320	4	469	144
*Rep 0856	1	18	20	0.2	3500	<1	350	2	238	69
*Rep 0866	8	82	40	0.2	2940	1	270	13	1010	91
*Rep 0886	<1	102	<10	<0.1	1470	<1	210	18	308	32
*Rep 0896	5	29	20	0.1	3860	<1	280	4	644	37
*Rep 0908	4	>300	<10	0.1	5210	2	<10	<1	1430	13
*Rep 0923	2	4	<10	0.2	1440	<1	200	1	24	25
*Std MMISRM18	19	21	10	6.8	180	<1	170	73	14	58
*Std MMISRM16	14	37	10	23.1	40	<1	180	3	<5	51
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0851	<100	2.2	580	23	11.4	8.5	23	12	39	<1
0852	<100	<0.5	2970	37	19.9	14.6	44	31	66	<1
0853	200	3.8	1180	31	15.1	11.6	99	25	49	<1
0854	<100	0.7	2880	22	11.6	8.0	36	38	37	<1
0855	<100	<0.5	7550	30	19.0	8.0	54	33	42	<1
0856	<100	<0.5	2810	23	12.1	9.1	52	32	41	<1
0857	<100	1.5	720	18	9.0	7.0	101	16	31	<1
0858	<100	0.9	1160	21	10.1	8.4	81	16	36	<1
0859	<100	<0.5	5230	21	13.3	5.4	43	36	29	<1
0860	<100	1.4	1090	12	5.6	4.2	9	18	21	<1
0861	<100	<0.5	1600	38	19.5	15.9	79	25	66	<1
0862	<100	1.4	1200	15	7.1	6.7	27	25	27	<1
0863	<100	1.3	350	13	6.7	5.1	20	7	23	<1
0864	<100	0.6	2580	10	6.2	3.0	39	17	14	<1
0865	<100	2.1	3280	30	16.4	10.7	60	43	49	<1
0866	<100	2.4	2110	38	21.9	11.2	187	23	51	<1
0867	<100	<0.5	1200	4	1.9	1.4	5	20	7	<1
0868	<100	<0.5	500	7	3.1	2.7	3	13	12	<1
0869	100	7.2	370	31	15.3	7.0	90	34	30	<1
0870	<100	2.2	1440	31	15.1	14.2	80	17	58	<1
0871	<100	1.0	3470	25	14.4	7.3	23	27	37	<1
0872	<100	1.1	2220	18	9.1	7.8	29	32	32	<1
0873	<100	1.0	610	13	6.3	4.9	66	36	21	<1
0874	<100	0.5	1030	10	6.4	2.2	10	22	13	<1
0875	<100	1.3	1860	6	4.4	1.6	27	15	8	<1
0876	<100	<0.5	4460	14	7.7	3.5	7	9	18	<1
0877	<100	<0.5	1790	5	2.7	1.3	5	11	7	<1
0878	<100	<0.5	1070	9	5.8	2.1	7	18	11	2
0879	200	2.5	440	53	25.5	19.8	117	28	82	<1
0880	<100	0.6	570	47	22.0	17.8	12	20	80	<1
0881	<100	<0.5	590	11	5.1	3.1	3	19	17	<1
0882	<100	<0.5	700	12	6.0	3.6	13	16	17	<1
0883	<100	0.6	470	13	6.3	4.0	6	13	20	<1
0884	<100	0.9	370	19	9.0	6.6	12	14	32	<1
0885	<100	<0.5	410	12	5.9	4.6	10	18	20	<1
0886	<100	3.0	200	28	12.5	11.3	29	17	48	<1
0887	<100	0.5	440	10	5.0	2.4	7	15	13	3
0888	<100	<0.5	730	14	7.5	4.8	14	16	23	<1
0889	<100	4.1	170	21	9.3	9.4	22	13	38	<1
0890	<100	1.9	110	3	2.2	<0.5	149	44	2	<1
0891	200	3.3	100	11	5.4	3.4	145	70	13	<1
0892	100	1.2	370	54	33.9	11.9	119	19	57	<1
0893	<100	0.9	650	11	5.6	3.9	7	14	18	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0894	<100	1.9	540	8	3.7	2.7	13	7	13	<1
0895	<100	3.4	50	7	3.1	2.9	36	14	11	<1
0896	<100	0.7	1890	26	12.7	10.9	64	30	46	<1
0897	<100	0.6	2710	36	17.7	16.8	64	28	70	<1
0898	<100	2.2	210	12	6.5	2.9	37	27	14	<1
0899	<100	1.1	170	13	7.5	3.5	13	14	17	<1
0900	<100	<0.5	500	6	3.8	1.4	8	11	8	<1
0901	300	4.8	160	17	8.0	5.7	169	59	22	<1
0902	<100	<0.5	530	5	2.7	1.1	2	10	6	1
0903	<100	<0.5	600	7	4.0	1.5	2	13	10	<1
0904	100	0.7	1180	79	36.2	37.5	104	26	147	<1
0905	200	1.5	1390	141	71.0	50.0	88	32	233	<1
0906	100	3.7	80	14	5.8	4.8	23	48	19	<1
0907	400	9.0	920	63	29.9	21.8	189	69	87	<1
0908	500	6.5	650	57	22.9	23.5	30	66	93	<1
0909	200	3.7	530	94	43.8	36.0	157	42	151	<1
0910	<100	4.2	120	37	22.7	8.1	125	35	35	<1
0911	200	5.8	160	20	8.0	8.6	117	40	31	<1
0912	<100	<0.5	460	12	5.9	4.1	6	15	19	<1
0913	<100	1.0	730	51	25.5	18.2	25	25	83	<1
0914	<100	1.3	1170	19	10.3	6.2	11	8	28	<1
0915	<100	<0.5	1860	11	6.1	3.3	11	21	16	<1
0916	<100	<0.5	1530	3	1.5	0.7	5	13	4	<1
0917	<100	5.7	220	27	13.8	7.2	90	37	32	<1
0918	<100	3.0	560	51	24.6	21.2	11	14	92	<1
0919	<100	2.3	4960	25	16.2	6.0	39	42	34	<1
0920	<100	1.2	4670	19	13.5	4.1	40	35	24	<1
0921	<100	1.0	470	39	19.0	13.3	18	17	64	<1
0922	<100	1.7	290	6	3.3	1.9	9	17	9	<1
0923	<100	0.6	550	5	2.8	1.5	3	12	9	2
0924	100	4.7	110	59	29.0	22.0	73	20	88	<1
0925	<100	<0.5	2640	24	13.2	8.6	32	17	39	<1
*Rep 0856	<100	<0.5	2900	21	11.2	7.3	40	31	35	<1
*Rep 0866	<100	2.4	2130	39	22.6	12.5	148	30	56	<1
*Rep 0886	<100	3.0	190	28	12.6	11.2	26	16	48	<1
*Rep 0896	<100	<0.5	2290	31	15.6	11.9	47	31	53	<1
*Rep 0908	500	6.1	560	55	21.4	23.5	32	70	91	<1
*Rep 0923	<100	<0.5	500	4	2.2	1.3	3	12	7	<1
*Std MMISRM18	<100	5.5	710	3	1.3	1.0	2	4	5	4
*Std MMISRM16	<100	9.7	560	2	0.9	0.9	1	3	4	17
*Blk BLANK	<100	<0.5	10	<1	<0.5	<0.5	<1	1	1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0851	<0.5	9.4	141	<5	67	200	<5	<0.5	208	110
0852	<0.5	22.5	444	7	86	6500	22	2.7	478	54
0853	<0.5	10.9	440	<5	37	5200	11	15.7	368	58
0854	<0.5	12.1	176	14	44	3180	24	6.1	238	109
0855	<0.5	23.4	81	22	53	3770	16	1.8	193	45
0856	<0.5	22.4	75	21	50	10400	15	4.8	124	75
0857	<0.5	6.9	201	9	24	12100	20	5.5	229	65
0858	<0.5	9.0	297	20	26	6440	30	6.2	289	58
0859	<0.5	18.5	47	25	49	3740	27	0.8	121	44
0860	<0.5	10.5	58	6	70	15100	10	<0.5	101	97
0861	<0.5	15.1	440	<5	43	1870	13	8.8	461	39
0862	<0.5	11.5	137	<5	64	1390	<5	3.6	181	86
0863	<0.5	13.0	85	6	57	6820	<5	<0.5	133	120
0864	<0.5	21.9	64	16	58	5490	127	2.0	88	257
0865	<0.5	23.0	240	23	66	5000	15	5.3	323	118
0866	<0.5	14.1	296	11	31	6760	20	11.6	337	136
0867	<0.5	10.4	13	23	20	5440	<5	<0.5	36	39
0868	<0.5	9.1	13	15	49	7460	6	<0.5	47	108
0869	<0.5	10.0	106	11	4	520	<5	8.6	138	57
0870	<0.5	9.8	464	<5	34	1640	<5	6.3	438	81
0871	<0.5	27.9	86	32	60	2870	93	3.3	173	161
0872	<0.5	17.4	140	21	48	2090	12	6.8	194	67
0873	<0.5	15.4	75	9	57	3430	10	8.0	114	54
0874	<0.5	18.3	7	37	110	5730	5	1.1	30	106
0875	<0.5	28.5	25	39	94	9330	123	1.7	40	286
0876	<0.5	22.9	7	48	98	850	32	<0.5	41	489
0877	<0.5	21.1	<1	55	90	2130	30	<0.5	17	179
0878	<0.5	23.1	5	20	98	27100	14	<0.5	31	146
0879	<0.5	15.0	526	<5	46	8760	<5	11.3	502	61
0880	<0.5	11.5	223	<5	82	2610	<5	<0.5	372	91
0881	<0.5	20.9	3	66	86	1440	10	<0.5	32	106
0882	<0.5	19.1	33	68	87	2910	5	<0.5	69	218
0883	<0.5	7.5	22	<5	109	2390	<5	<0.5	64	52
0884	<0.5	10.3	70	<5	96	820	<5	<0.5	136	83
0885	<0.5	10.6	39	<5	64	1950	<5	<0.5	86	53
0886	<0.5	14.0	174	<5	40	810	<5	3.6	253	74
0887	<0.5	12.3	3	<5	83	250	<5	<0.5	32	57
0888	<0.5	11.7	49	<5	65	280	<5	0.8	98	63
0889	<0.5	5.0	185	<5	27	1610	<5	2.2	247	84
0890	<0.5	10.5	5	14	4	150	<5	16.0	6	75
0891	<0.5	10.9	68	20	4	50	<5	31.8	65	97
0892	<0.5	12.6	159	<5	73	1430	<5	2.6	238	211
0893	<0.5	11.6	19	<5	79	4230	<5	<0.5	61	51

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0894	<0.5	13.0	23	<5	72	100	<5	0.7	54	121
0895	<0.5	3.9	46	<5	26	860	<5	6.3	64	22
0896	<0.5	17.5	255	<5	53	2690	<5	3.4	325	60
0897	<0.5	18.7	501	13	63	5280	50	1.8	524	50
0898	<0.5	7.9	30	<5	58	720	<5	1.4	51	71
0899	<0.5	8.0	25	6	80	2420	<5	<0.5	61	113
0900	<0.5	14.2	2	10	76	13900	<5	<0.5	22	87
0901	<0.5	12.3	120	10	7	230	<5	33.1	123	110
0902	<0.5	9.1	<1	10	80	390	<5	<0.5	7	19
0903	<0.5	14.5	<1	31	80	2190	<5	<0.5	13	47
0904	<0.5	12.0	1470	<5	30	4740	<5	10.8	1170	39
0905	<0.5	8.9	2040	<5	54	620	<5	13.1	1580	91
0906	<0.5	10.7	94	13	4	1230	<5	10.0	106	67
0907	<0.5	10.0	489	44	14	690	<5	56.3	519	103
0908	<0.5	4.6	622	17	4	100	<5	69.3	585	44
0909	<0.5	10.3	572	<5	16	2400	<5	28.7	826	38
0910	<0.5	7.7	105	11	4	900	<5	14.5	167	62
0911	<0.5	3.3	203	6	1	80	<5	18.5	201	42
0912	<0.5	8.6	16	<5	86	230	<5	<0.5	61	26
0913	<0.5	8.2	273	6	56	2170	<5	0.6	429	236
0914	<0.5	18.5	60	37	63	1560	9	<0.5	117	211
0915	<0.5	21.0	6	22	58	4570	32	<0.5	46	54
0916	<0.5	14.4	<1	26	41	7700	13	<0.5	10	59
0917	<0.5	28.8	89	13	8	1060	<5	7.9	141	159
0918	<0.5	16.8	290	<5	54	2850	<5	<0.5	484	109
0919	<0.5	44.2	67	57	74	3490	80	5.1	132	305
0920	<0.5	25.3	35	27	53	3930	108	2.2	82	473
0921	<0.5	10.6	207	<5	73	410	<5	1.5	308	44
0922	<0.5	16.2	19	<5	75	5870	<5	<0.5	44	104
0923	<0.5	8.7	<1	6	49	1950	<5	<0.5	19	31
0924	<0.5	6.8	245	<5	2	70	<5	8.8	453	20
0925	<0.5	16.7	118	10	64	11600	7	2.1	236	120
*Rep 0856	<0.5	21.1	128	25	51	8970	14	3.3	215	74
*Rep 0866	<0.5	17.8	370	16	38	5960	16	11.7	394	113
*Rep 0886	<0.5	13.3	164	<5	42	670	<5	2.9	244	74
*Rep 0896	<0.5	20.5	227	7	63	2340	18	3.9	328	67
*Rep 0908	<0.5	4.5	637	17	4	110	<5	67.4	587	44
*Rep 0923	<0.5	7.3	<1	7	41	1600	<5	<0.5	17	27
*Std MMISRM18	<0.5	23.4	<1	<5	77	530	30	<0.5	15	461
*Std MMISRM16	<0.5	30.9	<1	<5	27	40	45	<0.5	8	210
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5
*Bik BLANK	<0.5	<0.1	1	<5	1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0851	0.1	20	<1	43	<1	138	<1	13	39	<1
0852	0.1	600	<1	103	<1	42	2	13	73	<1
0853	1.0	430	<1	88	<1	114	<1	29	58	<1
0854	0.5	370	<1	51	<1	42	1	15	39	<1
0855	<0.1	520	<1	34	<1	54	1	9	39	<1
0856	0.2	400	<1	27	<1	54	1	10	46	<1
0857	0.5	140	<1	51	<1	46	<1	14	35	<1
0858	0.4	140	<1	69	<1	42	<1	16	42	<1
0859	<0.1	420	<1	21	<1	42	1	5	25	<1
0860	<0.1	10	<1	18	<1	98	<1	<5	20	<1
0861	0.6	290	<1	101	<1	36	<1	14	77	<1
0862	0.4	210	<1	40	<1	166	<1	14	32	<1
0863	0.2	60	<1	27	<1	142	<1	10	24	<1
0864	0.3	570	<1	18	<1	66	<1	12	15	<1
0865	0.4	470	1	69	<1	137	2	28	52	<1
0866	1.3	390	<1	76	<1	111	<1	56	55	<1
0867	0.3	60	<1	6	<1	23	<1	<5	7	<1
0868	<0.1	10	<1	7	<1	13	<1	<5	12	<1
0869	1.2	250	<1	30	<1	230	<1	40	30	<1
0870	0.6	130	<1	98	<1	103	<1	21	69	<1
0871	0.3	680	<1	32	<1	75	1	12	34	<1
0872	0.6	210	<1	40	<1	136	<1	11	34	<1
0873	0.7	70	<1	23	<1	112	<1	15	22	<1
0874	0.1	70	<1	5	<1	58	<1	10	9	<1
0875	0.4	480	<1	8	<1	112	<1	8	8	<1
0876	0.2	330	<1	5	<1	119	5	<5	13	<1
0877	<0.1	230	<1	2	<1	105	1	<5	5	<1
0878	<0.1	40	<1	4	<1	12	<1	<5	8	<1
0879	2.6	260	1	112	<1	245	<1	69	90	<1
0880	0.3	80	<1	71	<1	84	<1	29	77	<1
0881	<0.1	20	<1	4	<1	41	<1	6	11	<1
0882	<0.1	50	<1	12	<1	30	<1	<5	16	<1
0883	0.1	20	<1	10	<1	79	<1	8	16	<1
0884	0.2	50	<1	24	<1	131	<1	9	30	<1
0885	0.1	40	<1	15	<1	87	<1	8	18	<1
0886	0.5	170	<1	50	<1	180	<1	24	50	<1
0887	<0.1	20	<1	4	<1	115	<1	6	10	<1
0888	0.2	70	<1	18	<1	79	<1	9	21	<1
0889	0.9	50	<1	52	<1	162	<1	15	44	<1
0890	3.0	160	<1	<1	<1	131	<1	21	2	3
0891	5.2	110	<1	14	<1	127	<1	38	13	7
0892	0.4	270	<1	47	<1	225	<1	55	51	<1
0893	0.1	10	<1	9	<1	85	<1	8	15	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0894	0.2	40	<1	9	<1	181	<1	<5	12	<1
0895	0.6	40	<1	13	<1	89	<1	7	12	<1
0896	0.4	180	<1	72	<1	87	<1	18	52	<1
0897	0.2	190	<1	117	<1	101	<1	17	83	<1
0898	0.5	330	<1	9	<1	116	<1	13	12	<1
0899	<0.1	70	<1	11	<1	125	<1	10	15	<1
0900	<0.1	60	<1	3	<1	37	<1	<5	6	<1
0901	6.0	100	<1	27	<1	148	<1	44	24	3
0902	<0.1	30	<1	<1	<1	54	<1	<5	4	<1
0903	<0.1	50	<1	<1	<1	33	<1	<5	6	<1
0904	1.4	200	<1	279	<1	99	<1	69	176	<1
0905	1.1	300	1	443	<1	134	<1	76	246	<1
0906	2.2	80	<1	23	<1	229	<1	26	21	<1
0907	7.7	480	2	117	<1	143	<1	124	99	2
0908	9.3	390	1	132	<1	75	<1	100	107	2
0909	2.6	230	2	165	<1	207	<1	80	164	1
0910	3.7	200	<1	34	<1	168	<1	45	36	<1
0911	4.8	60	<1	47	<1	67	<1	40	37	<1
0912	<0.1	<10	<1	9	<1	53	<1	8	15	<1
0913	0.2	150	<1	88	<1	145	<1	36	81	<1
0914	0.2	170	<1	22	<1	61	<1	15	26	<1
0915	<0.1	540	<1	6	<1	23	<1	<5	13	<1
0916	<0.1	80	<1	<1	<1	18	<1	<5	3	<1
0917	1.6	260	<1	28	<1	284	<1	35	30	<1
0918	0.2	30	<1	93	<1	127	<1	35	94	<1
0919	0.5	1280	<1	23	<1	159	2	27	28	<1
0920	0.3	1000	<1	15	<1	103	3	13	18	<1
0921	0.5	50	<1	60	<1	100	<1	35	61	<1
0922	<0.1	<10	<1	8	<1	194	<1	5	9	<1
0923	<0.1	30	<1	2	<1	41	<1	<5	6	<1
0924	1.2	210	<1	88	<1	111	<1	62	92	<1
0925	0.2	110	<1	46	<1	30	<1	8	43	<1
*Rep 0856	0.1	400	<1	42	<1	37	2	<5	37	<1
*Rep 0866	1.1	410	1	89	<1	128	<1	57	64	<1
*Rep 0886	0.4	160	<1	48	<1	182	<1	23	50	<1
*Rep 0896	0.2	190	<1	66	<1	67	<1	10	55	<1
*Rep 0908	8.3	370	1	136	<1	73	<1	92	105	2
*Rep 0923	<0.1	30	<1	1	<1	28	<1	<5	5	<1
*Std MMISRM18	0.5	270	12	1	6	147	<1	<5	4	<1
*Std MMISRM16	0.2	90	22	<1	<1	276	<1	6	4	<1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0851	460	<1	4	<10	30.2	26	<0.5	16	<1	121
0852	1320	<1	7	<10	108	38	<0.5	19	1	188
0853	420	<1	6	<10	125	1720	<0.5	24	2	143
0854	1490	<1	4	<10	107	659	<0.5	18	2	105
0855	1590	<1	5	<10	72.0	167	<0.5	12	1	171
0856	1090	<1	4	<10	122	115	<0.5	9	2	117
0857	410	<1	3	<10	47.0	558	<0.5	42	<1	93
0858	560	<1	4	<10	72.6	569	<0.5	60	2	107
0859	940	<1	3	<10	59.2	44	<0.5	10	1	120
0860	980	<1	2	<10	9.5	5	<0.5	9	<1	64
0861	660	<1	7	<10	88.9	823	<0.5	6	2	199
0862	420	<1	3	<10	89.6	274	<0.5	13	<1	66
0863	330	<1	3	<10	29.2	35	<0.5	23	<1	68
0864	500	<1	2	<10	36.4	47	<0.5	424	1	55
0865	690	<1	5	<10	111	734	<0.5	21	2	144
0866	400	<1	6	<10	117	1270	<0.5	267	3	186
0867	260	<1	<1	<10	10.9	19	<0.5	2	2	19
0868	400	<1	1	<10	5.6	4	<0.5	2	<1	33
0869	60	<1	5	<10	77.8	1590	<0.5	8	<1	121
0870	300	<1	6	<10	56.2	578	<0.5	22	1	156
0871	580	<1	4	<10	87.9	242	<0.5	76	5	132
0872	610	<1	3	<10	64.0	546	<0.5	24	1	92
0873	930	<1	2	<10	74.1	1060	<0.5	26	1	54
0874	1250	<1	1	<10	11.3	270	<0.5	12	<1	50
0875	1440	<1	<1	<10	16.3	24	<0.5	174	1	37
0876	670	<1	2	<10	16.2	11	<0.5	410	<1	72
0877	660	<1	<1	<10	8.7	16	<0.5	133	<1	23
0878	630	<1	1	<10	9.9	14	<0.5	14	<1	43
0879	260	<1	10	<10	172	1870	<0.5	12	1	231
0880	640	<1	9	<10	55.4	63	<0.5	9	<1	206
0881	480	<1	2	<10	3.1	24	<0.5	10	<1	50
0882	620	<1	2	<10	15.0	20	<0.5	39	<1	59
0883	440	<1	2	<10	14.2	17	<0.5	5	<1	60
0884	530	<1	3	<10	45.1	29	<0.5	12	<1	85
0885	410	<1	2	<10	21.6	50	<0.5	7	<1	55
0886	250	<1	5	<10	35.4	730	<0.5	9	<1	122
0887	660	<1	2	<10	9.7	12	<0.5	9	<1	44
0888	380	<1	2	<10	33.2	51	<0.5	15	<1	73
0889	190	<1	4	<10	56.6	360	<0.5	15	<1	84
0890	60	<1	<1	<10	16.2	4750	<0.5	4	1	14
0891	60	2	2	<10	42.0	10400	<0.5	10	3	44
0892	460	<1	8	<10	104	223	<0.5	21	<1	275
0893	470	<1	2	<10	8.3	20	<0.5	4	<1	60

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0894	470	<1	1	<10	17.5	18	<0.5	23	<1	35
0895	190	<1	1	<10	26.2	1350	<0.5	5	<1	27
0896	970	<1	5	<10	100	581	<0.5	32	1	113
0897	3240	<1	7	<10	60.6	40	<0.5	30	1	186
0898	900	<1	2	<10	24.2	295	<0.5	5	<1	59
0899	2370	<1	2	<10	15.7	19	<0.5	28	<1	64
0900	1090	<1	<1	<10	12.6	16	<0.5	5	<1	30
0901	130	2	3	<10	81.3	6300	<0.5	11	2	63
0902	460	<1	<1	<10	<0.5	14	<0.5	1	<1	26
0903	490	<1	1	<10	2.8	5	<0.5	5	<1	36
0904	360	<1	16	<10	158	1360	<0.5	14	2	358
0905	450	<1	26	<10	251	1460	<0.5	18	2	812
0906	130	<1	2	<10	36.9	2410	<0.5	4	<1	48
0907	150	3	11	<10	309	6700	<0.5	31	5	221
0908	90	3	11	<10	221	7800	<0.5	22	7	196
0909	250	2	17	<10	231	6260	<0.5	28	3	376
0910	100	<1	5	<10	59.2	2320	<0.5	8	1	168
0911	60	<1	4	<10	83.9	1750	<0.5	7	1	73
0912	440	<1	2	<10	8.3	14	<0.5	2	<1	59
0913	530	<1	9	<10	57.6	72	<0.5	46	<1	224
0914	440	<1	3	<10	13.7	22	<0.5	15	<1	95
0915	600	<1	2	<10	18.1	29	<0.5	6	<1	48
0916	430	<1	<1	<10	7.1	16	<0.5	2	<1	15
0917	170	<1	4	<10	43.6	1300	<0.5	7	<1	125
0918	580	<1	9	<10	64.3	104	<0.5	18	<1	243
0919	1130	<1	4	<10	71.7	1030	<0.5	94	10	130
0920	770	<1	3	<10	53.3	431	<0.5	127	2	105
0921	540	<1	7	<10	39.4	161	<0.5	14	<1	181
0922	940	<1	1	<10	7.3	12	<0.5	4	<1	30
0923	530	<1	<1	<10	2.0	11	<0.5	3	<1	29
0924	30	<1	10	<10	55.2	2130	<0.5	11	<1	271
0925	550	<1	4	<10	89.6	45	<0.5	5	<1	114
*Rep 0856	1090	<1	4	<10	104	90	<0.5	11	1	103
*Rep 0866	510	<1	7	<10	141	1420	<0.5	165	3	194
*Rep 0886	270	<1	5	<10	32.2	627	<0.5	9	<1	122
*Rep 0896	1300	<1	6	<10	94.2	379	<0.5	30	<1	149
*Rep 0908	100	3	11	<10	219	7640	<0.5	19	7	184
*Rep 0923	430	<1	<1	<10	2.2	12	<0.5	<1	<1	25
*Std MMISRM18	1260	<1	<1	<10	14.5	5	<0.5	25	<1	19
*Std MMISRM16	410	<1	<1	<10	18.7	7	<0.5	49	<1	8
*Bik BLANK	20	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5
*Bik BLANK	20	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO110548 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0851	8	370	17
0852	17	30	94
0853	13	260	159
0854	10	100	109
0855	18	110	51
0856	11	<20	106
0857	8	110	52
0858	9	170	60
0859	12	30	33
0860	4	90	12
0861	17	80	154
0862	6	270	57
0863	6	200	18
0864	6	200	28
0865	14	120	129
0866	20	480	162
0867	2	70	14
0868	2	40	11
0869	12	90	119
0870	12	40	66
0871	13	30	55
0872	8	30	72
0873	5	150	79
0874	6	300	14
0875	4	190	9
0876	6	60	8
0877	2	60	5
0878	5	40	15
0879	20	130	184
0880	16	200	37
0881	4	20	6
0882	5	170	6
0883	5	20	20
0884	7	70	31
0885	5	50	25
0886	9	180	37
0887	4	<20	14
0888	6	60	34
0889	7	30	41
0890	2	330	56
0891	5	80	141
0892	27	30	118
0893	5	30	15

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Final : TO110548 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0894	3	<20	10
0895	3	30	27
0896	11	60	80
0897	16	<20	51
0898	5	2130	24
0899	6	800	12
0900	3	80	13
0901	7	310	131
0902	2	30	10
0903	4	70	9
0904	29	80	117
0905	55	460	263
0906	4	230	68
0907	23	210	467
0908	16	110	294
0909	36	160	333
0910	19	200	102
0911	6	380	109
0912	5	70	15
0913	20	720	41
0914	8	940	12
0915	5	<20	20
0916	1	30	14
0917	11	260	77
0918	19	110	45
0919	15	60	93
0920	14	50	83
0921	15	160	31
0922	3	50	6
0923	2	60	13
0924	22	80	93
0925	11	30	64
*Rep 0856	10	30	116
*Rep 0866	21	360	168
*Rep 0886	9	160	34
*Rep 0896	13	<20	77
*Rep 0908	16	110	285
*Rep 0923	2	30	16
*Std MMISRM18	<1	590	22
*Std MMISRM16	<1	200	16
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110550

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 08, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 75
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
1001	2	237	<10	<0.1	190	<1	70	15	282	59
1002	1	133	<10	<0.1	330	<1	260	4	135	19
1003	2	236	<10	<0.1	610	<1	80	11	90	37
1004	7	68	20	0.2	1700	<1	300	5	1630	152
1005	3	291	<10	<0.1	160	<1	<10	13	109	20
1006	3	299	20	<0.1	280	<1	<10	20	17	11
1007	4	177	20	<0.1	<10	<1	70	20	31	101
1008	<1	>300	20	<0.1	190	<1	10	16	26	20
1009	<1	>300	20	<0.1	90	<1	<10	29	43	60
1010	2	53	<10	0.1	730	<1	320	4	191	17
1011	<1	>300	30	<0.1	750	<1	20	21	82	61
1012	<1	248	<10	<0.1	330	<1	<10	13	86	49
1013	4	42	<10	0.1	1730	<1	440	5	25	50
1014	<1	139	<10	<0.1	280	<1	170	10	100	31
1015	1	67	<10	<0.1	500	<1	400	6	34	62
1016	5	232	<10	<0.1	2290	<1	30	15	197	377
1017	7	55	30	0.2	1160	<1	230	2	9260	14
1018	6	101	<10	<0.1	840	<1	170	18	616	313
1019	1	69	<10	<0.1	370	<1	260	6	271	128
1020	3	48	<10	0.5	730	<1	310	10	916	153
1021	5	26	<10	0.3	1250	<1	420	3	104	54
1022	2	174	<10	<0.1	510	<1	290	14	230	59
1023	<1	>300	30	<0.1	240	<1	<10	13	102	44
1024	<1	272	20	<0.1	<10	<1	<10	17	134	31
1025	6	52	<10	0.1	750	<1	230	3	568	14
1026	5	126	<10	<0.1	360	<1	220	15	160	99
1027	4	108	<10	<0.1	420	<1	410	19	159	16
1028	7	24	<10	0.2	1210	<1	400	5	35	7
1029	10	106	<10	0.1	760	<1	410	16	405	38
1030	15	19	20	0.3	3630	<1	510	5	432	36
1031	4	64	30	0.2	1950	<1	330	3	271	39
1032	4	44	10	0.3	2360	<1	380	3	564	49
1033	6	39	10	0.2	1800	<1	400	6	265	37
1034	5	37	<10	0.2	3070	<1	360	7	1890	184
1035	<1	117	<10	0.1	820	<1	240	10	316	152
1036	5	129	<10	0.2	1230	<1	370	7	877	190
1037	2	203	<10	<0.1	550	<1	110	11	217	66
1038	4	159	<10	0.3	2700	<1	310	7	265	44
1039	<1	215	10	0.2	3780	<1	210	2	856	175
1040	9	117	<10	0.2	2830	<1	320	10	865	123
1041	3	157	<10	0.3	2470	<1	300	7	318	42
1042	7	144	<10	0.4	3240	<1	370	8	566	36
1043	6	144	<10	<0.1	1090	<1	350	34	252	73

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1044	8	36	<10	0.3	1270	<1	390	2	203	24
1045	2	8	<10	0.3	1040	<1	200	2	32	8
1046	2	249	<10	<0.1	2340	<1	80	3	662	58
1047	<1	219	<10	<0.1	2160	<1	140	7	346	53
1048	6	17	<10	0.4	1040	<1	370	3	28	176
1049	2	258	<10	<0.1	1280	<1	60	38	339	39
1050	5	153	<10	0.2	610	<1	280	5	445	12
1051	3	209	<10	<0.1	2650	<1	110	21	358	84
1052	5	154	<10	<0.1	780	<1	260	8	356	12
1053	1	103	<10	<0.1	630	<1	260	9	452	12
1054	8	23	<10	0.2	900	<1	340	7	77	46
1055	2	134	<10	0.2	2550	<1	130	5	714	11
1056	3	115	<10	0.1	1290	<1	130	7	160	17
1057	2	>300	20	<0.1	140	<1	<10	6	143	16
1058	2	62	<10	<0.1	50	<1	350	6	15	7
1059	1	148	<10	0.1	900	<1	280	4	293	19
1060	<1	>300	10	<0.1	610	<1	10	7	200	38
1061	3	7	<10	0.3	830	<1	290	3	27	8
1062	4	20	10	0.2	3510	<1	390	4	387	39
1063	2	20	60	0.2	2190	<1	320	<1	73	79
1064	5	14	20	<0.1	4520	<1	240	2	<5	63
1065	8	20	<10	0.2	4520	<1	270	5	8	27
1066	7	17	<10	0.1	2120	<1	340	6	34	250
1067	<1	>300	10	<0.1	170	<1	20	9	127	9
1068	11	33	20	0.4	1800	<1	320	5	151	30
1069	3	264	<10	<0.1	1160	<1	30	20	157	60
1070	<1	82	<10	0.2	340	<1	280	7	506	43
1071	19	59	<10	0.2	1220	<1	410	9	191	81
1072	4	135	10	0.1	1300	<1	160	7	2010	78
1073	6	51	<10	0.3	1120	<1	430	5	44	21
1074	1	242	20	<0.1	1180	<1	50	15	443	114
1075	17	20	<10	0.2	380	<1	420	6	<5	<5
*Rep 1011	<1	>300	20	<0.1	660	<1	10	24	67	71
*Rep 1016	4	243	<10	<0.1	2210	<1	30	17	201	327
*Rep 1027	4	111	<10	<0.1	470	<1	390	15	181	17
*Rep 1046	<1	224	<10	<0.1	2840	<1	80	3	548	48
*Rep 1060	<1	>300	10	<0.1	560	<1	20	7	219	41
*Rep 1069	3	279	<10	<0.1	1300	<1	30	20	205	62
*Std MMISRM18	25	22	20	7.9	<10	<1	190	80	24	69
*Std MMISRM16	20	51	20	28.4	110	<1	200	4	21	55
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1001	100	3.1	180	40	20.2	7.9	181	20	32	<1
1002	100	1.4	80	6	2.8	1.8	74	20	7	<1
1003	<100	3.4	200	10	6.4	2.1	151	14	7	<1
1004	100	1.6	770	46	22.7	16.9	99	14	61	<1
1005	<100	9.0	150	19	11.1	3.2	63	14	13	<1
1006	200	0.9	180	3	2.1	0.7	181	36	2	1
1007	300	2.4	430	4	2.9	0.7	393	64	3	<1
1008	200	1.7	130	2	1.4	0.6	177	46	2	<1
1009	200	1.1	80	6	3.7	1.6	109	48	5	<1
1010	<100	0.9	280	16	6.6	6.2	14	3	23	<1
1011	300	3.0	80	5	2.8	2.0	174	73	5	<1
1012	<100	2.4	160	10	7.8	2.0	105	16	7	<1
1013	<100	0.8	1110	21	10.7	6.8	12	2	30	2
1014	<100	0.9	150	6	3.2	2.5	91	23	8	<1
1015	<100	1.1	160	2	1.0	0.8	89	5	3	<1
1016	<100	5.6	480	37	23.4	4.6	113	8	18	<1
1017	200	5.4	5180	288	123	156	20	76	531	2
1018	<100	6.7	2060	21	11.2	7.0	305	7	25	<1
1019	<100	1.7	160	7	3.4	3.1	53	8	11	<1
1020	<100	0.8	820	31	14.9	12.0	60	8	46	<1
1021	<100	<0.5	1010	19	10.8	6.1	11	1	26	1
1022	<100	1.0	240	66	36.6	10.6	98	6	51	<1
1023	100	2.8	260	6	4.0	1.8	155	52	5	<1
1024	100	6.7	100	12	5.6	3.3	112	28	10	<1
1025	<100	2.3	150	31	12.3	14.9	32	7	50	<1
1026	<100	1.7	2190	23	12.8	4.7	210	3	20	<1
1027	<100	1.8	370	18	8.6	5.9	19	2	24	<1
1028	<100	<0.5	700	10	5.3	3.3	5	<1	14	<1
1029	<100	1.7	4080	25	14.1	7.4	44	4	29	<1
1030	<100	1.2	6520	31	16.6	10.1	36	5	42	<1
1031	<100	1.7	2020	13	5.9	5.0	23	4	18	<1
1032	<100	1.0	3910	23	12.4	8.6	51	6	32	<1
1033	<100	1.6	3720	16	8.1	5.4	48	3	22	<1
1034	100	1.0	2770	56	30.3	18.5	84	10	71	<1
1035	<100	1.6	2000	19	12.9	4.9	183	3	19	<1
1036	100	2.1	1500	49	26.9	14.4	37	7	58	<1
1037	<100	4.0	240	51	26.2	8.7	218	13	39	<1
1038	<100	1.5	610	60	33.0	14.9	67	6	63	<1
1039	100	3.7	440	57	31.0	16.8	116	16	64	<1
1040	100	1.8	3740	49	29.9	13.2	184	8	51	<1
1041	<100	1.2	790	63	34.5	17.4	63	6	74	<1
1042	<100	0.8	1070	164	94.4	39.3	30	10	185	3
1043	<100	1.8	510	65	45.6	9.4	111	4	45	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1044	<100	0.6	710	38	20.8	10.2	10	2	45	2
1045	<100	<0.5	420	6	2.8	2.2	10	<1	9	<1
1046	200	6.4	150	33	12.8	12.2	152	22	43	<1
1047	<100	5.0	290	35	17.0	9.0	146	31	40	<1
1048	<100	0.5	890	9	6.1	2.0	5	<1	10	3
1049	<100	5.1	390	62	27.7	13.9	68	11	58	<1
1050	<100	3.5	460	39	19.5	11.7	17	5	48	<1
1051	<100	3.3	360	117	58.7	20.2	67	8	91	<1
1052	<100	1.6	380	54	30.7	11.9	37	4	53	<1
1053	<100	1.0	360	37	17.0	14.1	18	6	54	<1
1054	<100	<0.5	540	11	5.0	3.3	5	<1	15	<1
1055	<100	2.6	440	128	63.4	39.1	17	8	161	<1
1056	<100	3.2	380	84	38.8	29.3	5	5	119	<1
1057	100	8.1	190	7	3.9	2.6	138	27	8	<1
1058	<100	9.0	100	1	<0.5	0.6	26	5	2	<1
1059	<100	4.5	180	17	7.5	5.5	71	9	21	<1
1060	400	4.9	180	14	6.6	5.2	181	113	16	<1
1061	<100	<0.5	650	9	5.2	2.2	2	<1	12	<1
1062	<100	0.6	3210	33	17.9	9.8	29	3	45	<1
1063	<100	1.6	2940	29	17.5	6.0	4	2	32	<1
1064	<100	<0.5	4220	6	3.6	1.8	3	<1	7	<1
1065	<100	<0.5	6560	9	5.9	1.8	4	<1	9	<1
1066	<100	<0.5	1610	9	6.4	2.0	3	<1	10	<1
1067	200	5.5	80	11	4.6	3.7	19	50	12	<1
1068	<100	<0.5	3880	19	10.5	5.5	16	2	25	<1
1069	<100	4.2	460	53	26.2	7.9	73	9	37	<1
1070	<100	2.6	710	14	6.8	6.1	46	4	21	<1
1071	<100	<0.5	4920	14	8.6	4.2	18	2	18	<1
1072	100	2.9	610	104	49.0	36.0	134	16	132	<1
1073	<100	<0.5	330	12	6.1	3.6	10	1	15	<1
1074	100	4.1	400	51	25.2	9.6	186	13	42	<1
1075	<100	<0.5	140	<1	<0.5	<0.5	3	2	<1	1
*Rep 1011	300	2.6	80	5	2.7	1.7	158	70	5	<1
*Rep 1016	<100	4.4	420	53	28.8	6.5	114	12	30	<1
*Rep 1027	<100	2.2	320	17	8.2	5.6	18	3	23	<1
*Rep 1046	<100	4.3	160	38	10.6	9.4	163	39	38	<1
*Rep 1060	300	5.7	240	16	8.1	5.7	174	83	19	<1
*Rep 1069	<100	5.0	570	53	25.6	8.5	75	10	38	<1
*Std MMISRM18	<100	6.5	810	3	1.2	1.1	3	<1	5	3
*Std MMISRM16	<100	13.3	570	4	1.2	1.7	1	<1	6	17
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1001	<0.5	4.5	95	<5	12	2200	<5	12.6	139	134
1002	<0.5	7.1	19	<5	40	430	<5	17.0	29	57
1003	<0.5	11.0	37	<5	26	110	<5	8.4	39	95
1004	<0.5	11.2	620	<5	49	9260	<5	14.1	535	80
1005	<0.5	12.9	36	<5	1	110	<5	5.9	47	46
1006	<0.5	13.3	6	<5	2	300	<5	17.5	6	45
1007	<0.5	8.1	<1	5	17	1970	5	37.0	6	208
1008	<0.5	11.6	<1	6	3	100	<5	20.3	3	54
1009	<0.5	10.1	16	<5	2	170	<5	12.3	17	114
1010	<0.5	10.6	78	<5	60	1070	<5	1.3	128	39
1011	<0.5	11.7	24	7	4	100	<5	29.5	24	90
1012	<0.5	12.3	35	<5	2	110	<5	4.8	35	78
1013	<0.5	17.3	73	9	77	2090	<5	<0.5	130	67
1014	<0.5	9.1	35	<5	40	1230	5	5.7	41	73
1015	<0.5	10.8	<1	9	69	3610	10	4.2	9	93
1016	<0.5	23.8	73	7	14	6920	<5	3.9	84	142
1017	<0.5	10.8	7150	<5	39	220	17	2.3	7310	40
1018	<0.5	19.4	285	<5	31	28200	7	5.8	264	204
1019	<0.5	10.1	107	<5	36	15400	<5	5.6	103	67
1020	<0.5	12.8	373	<5	70	17200	<5	5.3	383	120
1021	<0.5	13.6	110	<5	82	3240	<5	0.6	144	46
1022	<0.5	9.2	98	<5	72	860	<5	<0.5	180	295
1023	<0.5	10.8	43	<5	2	110	<5	12.0	32	82
1024	<0.5	7.2	52	<5	<1	160	<5	7.2	55	64
1025	<0.5	6.4	407	<5	58	990	<5	4.7	402	35
1026	<0.5	8.7	82	<5	37	15500	8	3.3	100	243
1027	<0.5	10.4	88	<5	57	510	<5	<0.5	125	162
1028	<0.5	20.9	14	<5	84	950	5	<0.5	44	67
1029	<0.5	13.5	194	<5	64	2440	5	3.6	204	220
1030	<0.5	15.9	166	13	76	1600	44	3.2	256	79
1031	<0.5	10.3	124	6	51	1100	91	4.6	130	117
1032	<0.5	32.4	248	41	90	6400	82	4.1	272	129
1033	<0.5	17.0	106	8	29	2290	10	4.2	146	95
1034	<0.5	12.6	607	9	66	5400	<5	5.4	622	141
1035	<0.5	13.5	97	5	59	10400	<5	6.9	123	270
1036	<0.5	11.5	339	<5	61	9200	<5	4.2	369	77
1037	<0.5	6.0	81	<5	29	800	<5	5.0	150	108
1038	<0.5	19.8	267	<5	60	1170	<5	3.5	325	88
1039	<0.5	13.8	422	6	41	4580	<5	13.8	435	59
1040	<0.5	10.9	358	14	49	5830	<5	9.5	361	92
1041	<0.5	19.9	374	<5	55	1080	<5	4.9	408	69
1042	<0.5	23.4	816	6	117	1970	<5	2.1	930	112
1043	<0.5	14.0	131	<5	114	1920	<5	1.0	175	278

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1044	<0.5	14.8	128	<5	142	630	<5	0.6	207	45
1045	<0.5	11.4	23	7	43	530	<5	1.2	43	34
1046	<0.5	11.0	295	14	12	1310	<5	15.1	296	90
1047	<0.5	14.3	182	12	38	970	<5	8.4	191	130
1048	<0.5	10.6	<1	15	136	11800	<5	<0.5	23	95
1049	<0.5	15.5	141	<5	32	860	<5	4.4	282	97
1050	<0.5	14.3	215	<5	42	1350	<5	1.6	262	72
1051	<0.5	16.9	154	9	47	2590	<5	1.6	370	161
1052	<0.5	10.5	182	<5	70	640	<5	0.9	238	102
1053	<0.5	8.2	247	<5	51	500	<5	2.0	346	72
1054	<0.5	11.7	17	8	85	3520	<5	<0.5	51	95
1055	<0.5	14.1	533	<5	41	390	<5	2.5	844	14
1056	<0.5	13.7	346	<5	30	530	<5	0.6	566	12
1057	<0.5	4.3	58	<5	<1	100	<5	8.8	50	24
1058	<0.5	6.5	8	9	41	130	<5	1.6	11	49
1059	<0.5	13.8	84	<5	35	1130	<5	6.2	111	21
1060	<0.5	7.4	131	<5	1	1700	5	16.4	104	56
1061	<0.5	22.8	<1	50	107	3590	35	<0.5	14	60
1062	<0.5	28.7	124	18	98	1100	42	1.1	226	120
1063	<0.5	27.9	21	34	119	2420	172	1.5	72	380
1064	<0.5	40.1	<1	78	129	1710	278	<0.5	10	265
1065	<0.5	47.5	<1	78	152	2970	72	<0.5	11	111
1066	<0.5	22.0	<1	45	148	9470	8	<0.5	20	148
1067	<0.5	3.1	56	<5	5	340	<5	11.8	62	30
1068	<0.5	30.3	49	29	109	1240	42	0.5	115	184
1069	<0.5	19.4	54	6	19	460	<5	3.2	125	118
1070	<0.5	13.1	187	<5	58	9340	<5	2.2	197	58
1071	<0.5	25.4	78	22	117	6230	20	1.0	111	180
1072	<0.5	9.5	757	6	38	2250	<5	6.5	928	116
1073	<0.5	15.9	29	<5	104	2110	<5	<0.5	60	91
1074	<0.5	13.8	130	8	22	5020	<5	10.4	181	186
1075	<0.5	4.6	<1	<5	72	190	<5	<0.5	<1	18
*Rep 1011	<0.5	11.7	15	<5	3	110	<5	24.4	18	94
*Rep 1016	<0.5	24.1	67	7	15	6670	<5	5.1	105	140
*Rep 1027	<0.5	10.6	96	<5	53	480	<5	0.6	132	127
*Rep 1046	<0.5	12.7	274	<5	13	1450	<5	18.3	234	115
*Rep 1060	<0.5	8.1	151	<5	1	3200	6	13.8	124	63
*Rep 1069	<0.5	20.2	78	7	19	510	<5	4.9	145	127
*Std MMISRM18	<0.5	27.8	6	<5	83	640	33	<0.5	23	493
*Std MMISRM16	<0.5	35.4	16	<5	34	110	70	<0.5	20	209
*Bik BLANK	<0.5	<0.1	<1	<5	<1	70	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1001	3.4	250	<1	33	<1	105	<1	40	33	<1
1002	1.3	70	<1	7	<1	101	<1	11	8	2
1003	2.1	60	<1	10	<1	218	<1	15	9	<1
1004	1.0	240	<1	149	<1	81	<1	41	83	<1
1005	2.2	170	<1	11	<1	162	<1	28	12	<1
1006	6.0	90	<1	2	<1	63	<1	24	3	3
1007	1.8	90	<1	1	<1	140	<1	25	3	5
1008	2.7	30	<1	<1	<1	143	<1	20	2	3
1009	5.3	120	<1	5	<1	84	<1	25	5	3
1010	0.2	30	<1	29	<1	167	<1	8	28	<1
1011	2.1	120	<1	6	<1	110	<1	30	7	4
1012	0.6	50	<1	10	<1	159	<1	25	9	<1
1013	0.1	30	<1	28	<1	169	<1	11	29	<1
1014	2.8	90	<1	10	<1	90	<1	12	9	1
1015	0.4	70	<1	2	<1	94	<1	<5	3	<1
1016	2.4	310	<1	21	<1	246	<1	37	19	<1
1017	0.5	80	<1	1940	<1	128	<1	57	900	<1
1018	0.7	140	<1	74	<1	183	<1	33	38	<1
1019	0.5	80	<1	29	<1	121	<1	5	16	<1
1020	0.4	60	<1	100	<1	90	<1	19	62	<1
1021	0.1	20	<1	33	<1	45	<1	9	28	<1
1022	<0.1	420	<1	39	<1	142	<1	31	45	<1
1023	1.8	140	<1	9	<1	105	<1	21	7	2
1024	2.4	350	<1	14	<1	88	<1	22	13	1
1025	0.8	60	<1	104	<1	146	<1	29	68	<1
1026	0.5	210	<1	25	<1	180	<1	46	21	<1
1027	0.1	90	<1	29	<1	162	<1	10	26	<1
1028	<0.1	20	<1	8	<1	90	<1	6	13	<1
1029	0.3	460	<1	53	<1	105	<1	25	35	<1
1030	0.2	510	<1	58	<1	143	4	9	47	<1
1031	0.7	350	<1	34	<1	104	1	9	23	<1
1032	0.4	490	<1	70	<1	70	<1	17	44	<1
1033	0.3	450	<1	35	<1	157	2	7	26	<1
1034	0.2	240	<1	166	<1	103	<1	50	98	<1
1035	0.3	260	<1	31	<1	200	<1	51	24	<1
1036	0.3	250	<1	95	<1	197	<1	40	70	<1
1037	0.9	310	<1	33	<1	189	<1	29	37	<1
1038	0.3	170	<1	79	<1	248	<1	67	68	<1
1039	0.8	220	<1	116	<1	281	<1	64	82	<1
1040	0.6	410	<1	94	<1	207	<1	80	62	<1
1041	0.6	160	<1	102	<1	178	<1	68	80	<1
1042	0.3	150	<1	224	<1	165	<1	107	180	<1
1043	0.1	260	<1	41	<1	206	<1	27	39	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1044	<0.1	40	<1	45	<1	52	<1	15	46	<1
1045	0.2	10	<1	9	<1	67	<1	<5	10	<1
1046	4.5	170	<1	55	<1	153	<1	31	45	<1
1047	1.2	210	<1	42	<1	251	<1	37	38	<1
1048	<0.1	80	<1	4	<1	60	<1	<5	8	<1
1049	1.0	340	<1	61	<1	177	<1	35	64	<1
1050	0.2	70	<1	65	<1	184	<1	24	54	<1
1051	0.5	350	<1	76	<1	217	<1	45	88	<1
1052	0.2	150	<1	56	<1	136	<1	34	55	<1
1053	0.4	50	<1	80	<1	65	<1	15	67	<1
1054	0.1	20	<1	10	<1	38	<1	<5	13	<1
1055	0.3	190	<1	183	<1	157	<1	151	186	<1
1056	0.1	130	<1	121	<1	195	<1	81	130	<1
1057	2.0	230	<1	14	<1	65	<1	28	11	<1
1058	0.6	20	<1	3	<1	123	<1	<5	3	<1
1059	0.6	120	<1	26	<1	279	<1	20	25	<1
1060	4.7	160	<1	28	<1	116	<1	51	20	3
1061	<0.1	40	<1	2	<1	38	<1	<5	8	<1
1062	0.1	770	<1	49	<1	123	<1	5	48	<1
1063	0.2	410	<1	12	<1	161	5	<5	23	<1
1064	<0.1	830	<1	1	<1	295	5	<5	5	<1
1065	<0.1	1220	<1	2	<1	283	5	<5	6	<1
1066	<0.1	110	<1	3	<1	89	<1	<5	7	<1
1067	9.1	210	<1	15	<1	23	<1	23	15	2
1068	0.2	800	<1	24	<1	45	3	<5	26	<1
1069	2.1	490	<1	26	<1	198	<1	27	33	<1
1070	0.3	130	<1	51	<1	78	<1	13	31	<1
1071	0.2	250	<1	26	<1	45	1	<5	21	<1
1072	1.3	210	<1	233	<1	203	<1	108	176	<1
1073	0.1	20	<1	13	<1	107	<1	8	15	<1
1074	3.1	480	<1	43	<1	228	<1	40	41	<1
1075	0.1	<10	<1	<1	<1	54	<1	<5	1	<1
*Rep 1011	2.1	100	<1	4	<1	108	<1	27	5	3
*Rep 1016	2.2	520	<1	23	<1	220	<1	46	26	<1
*Rep 1027	0.1	90	<1	32	<1	174	<1	9	28	<1
*Rep 1046	4.6	160	<1	46	<1	172	<1	26	41	<1
*Rep 1060	2.7	190	<1	33	<1	126	<1	48	23	2
*Rep 1069	2.8	470	<1	31	<1	228	<1	30	37	<1
*Std MMISRM18	0.7	260	14	1	6	179	<1	<5	5	<1
*Std MMISRM16	0.3	90	28	4	<1	315	<1	7	8	<1
*Blk BLANK	<0.1	<10	<1	3	<1	<5	<1	<5	2	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1001	200	<1	7	<10	62.5	1820	0.6	25	<1	203
1002	390	1	1	<10	28.2	4480	<0.5	8	<1	28
1003	290	<1	2	<10	21.3	1870	<0.5	5	<1	50
1004	590	<1	10	<10	182	1550	0.6	42	2	244
1005	30	<1	3	<10	19.8	1680	<0.5	5	<1	97
1006	80	<1	<1	<10	16.6	4210	<0.5	4	<1	15
1007	150	2	<1	<10	29.4	11400	<0.5	6	2	20
1008	120	<1	<1	<10	21.8	5530	<0.5	4	<1	11
1009	140	<1	<1	<10	19.5	3850	<0.5	5	<1	32
1010	500	<1	3	<10	45.0	165	<0.5	14	<1	81
1011	330	2	<1	<10	32.0	6970	<0.5	3	<1	26
1012	100	<1	1	<10	18.1	1150	0.5	5	<1	53
1013	910	<1	4	<10	21.0	39	<0.5	24	<1	113
1014	190	<1	1	<10	12.6	1780	<0.5	5	<1	34
1015	450	<1	<1	<10	11.9	464	<0.5	5	<1	10
1016	240	<1	5	<10	96.7	967	1.0	16	<1	188
1017	550	<1	79	<10	280	354	0.8	2200	3	1850
1018	290	<1	4	<10	77.2	625	0.7	46	<1	120
1019	280	<1	2	<10	47.2	872	<0.5	12	<1	37
1020	500	<1	7	<10	124	516	0.5	23	<1	167
1021	850	<1	4	<10	28.3	27	<0.5	11	<1	110
1022	500	<1	10	<10	39.2	39	<0.5	31	<1	444
1023	70	<1	1	<10	25.2	3290	<0.5	4	<1	33
1024	50	<1	2	<10	31.7	1470	0.6	6	<1	53
1025	300	<1	7	<10	69.7	579	0.9	11	<1	162
1026	380	<1	4	<10	46.3	217	<0.5	169	<1	145
1027	440	<1	4	<10	23.1	26	<0.5	46	<1	108
1028	660	<1	2	<10	15.9	6	<0.5	39	<1	55
1029	460	<1	5	<10	71.5	91	<0.5	456	<1	153
1030	1250	<1	6	<10	65.4	231	0.5	27	2	156
1031	450	<1	3	<10	66.3	415	<0.5	119	1	63
1032	1720	<1	5	<10	82.4	235	<0.5	254	6	143
1033	630	<1	3	<10	81.5	332	<0.5	35	1	87
1034	1080	<1	12	<10	174	205	<0.5	38	<1	272
1035	410	<1	3	<10	71.8	234	<0.5	51	<1	105
1036	590	<1	10	<10	117	260	0.9	22	<1	259
1037	260	<1	8	<10	47.5	924	0.6	8	<1	285
1038	860	<1	10	<10	58.9	231	<0.5	19	<1	349
1039	450	<1	11	<10	114	2240	0.8	20	1	306
1040	620	<1	9	<10	144	727	1.1	29	1	276
1041	700	<1	12	<10	70.5	459	<0.5	14	<1	379
1042	1280	<1	29	<10	64.2	210	0.5	21	<1	1100
1043	700	<1	9	<10	26.8	81	<0.5	26	<1	388

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1044	1000	<1	7	<10	58.0	33	<0.5	15	<1	152
1045	310	<1	1	<10	10.3	109	0.7	1	<1	30
1046	180	1	7	<10	88.0	2040	0.6	9	<1	126
1047	360	<1	7	<10	38.0	1630	<0.5	7	<1	207
1048	880	<1	2	<10	12.8	15	<0.5	4	<1	49
1049	200	<1	11	<10	42.2	1020	0.5	7	<1	287
1050	280	<1	8	<10	58.6	209	0.6	101	<1	206
1051	380	<1	19	<10	42.8	270	<0.5	13	<1	519
1052	420	<1	9	<10	60.4	79	<0.5	25	<1	259
1053	350	<1	8	<10	46.5	360	<0.5	12	<1	158
1054	680	<1	2	<10	19.3	21	<0.5	23	<1	40
1055	460	<1	25	<10	42.0	551	<0.5	15	<1	528
1056	450	<1	17	<10	21.9	154	<0.5	10	<1	383
1057	20	<1	1	<10	35.4	1300	<0.5	5	<1	35
1058	330	<1	<1	<10	7.7	383	<0.5	10	<1	6
1059	330	<1	3	<10	52.6	1360	0.5	8	<1	76
1060	40	1	3	<10	70.3	4840	<0.5	10	<1	67
1061	710	<1	2	<10	3.3	5	<0.5	<1	<1	54
1062	750	<1	6	<10	30.8	77	<0.5	22	<1	177
1063	550	<1	5	<10	25.6	77	<0.5	323	2	176
1064	810	<1	1	<10	4.9	14	<0.5	144	<1	31
1065	690	<1	1	<10	5.3	53	<0.5	54	<1	45
1066	570	<1	2	<10	8.0	53	0.6	29	<1	47
1067	50	<1	2	<10	25.5	2440	<0.5	18	<1	44
1068	540	<1	4	<10	27.0	50	<0.5	78	<1	87
1069	200	<1	8	<10	40.6	719	0.5	6	<1	230
1070	220	<1	3	<10	23.2	112	<0.5	18	<1	67
1071	620	<1	3	<10	32.3	60	<0.5	159	<1	76
1072	210	<1	22	<10	143	1020	0.6	13	1	477
1073	520	<1	2	<10	19.0	40	<0.5	21	<1	56
1074	140	<1	8	<10	80.5	1720	0.7	7	<1	243
1075	440	<1	<1	<10	<0.5	12	<0.5	3	<1	<5
*Rep 1011	330	1	<1	<10	31.0	5750	<0.5	3	<1	25
*Rep 1016	240	<1	7	<10	95.1	1340	1.1	17	<1	282
*Rep 1027	410	<1	4	<10	25.9	49	<0.5	50	<1	98
*Rep 1046	200	<1	7	<10	70.9	2440	<0.5	8	<1	116
*Rep 1060	40	<1	3	<10	66.8	4110	<0.5	10	<1	81
*Rep 1069	220	<1	8	<10	54.0	1100	0.5	8	<1	240
*Std MMISRM18	1540	<1	<1	<10	16.2	8	<0.5	27	<1	20
*Std MMISRM16	460	<1	<1	<10	22.6	<3	<0.5	50	<1	13
*Bik BLANK	<10	<1	<1	<10	<0.5	3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO110550 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1001	14	3360	90
1002	2	280	78
1003	5	390	42
1004	20	580	178
1005	8	230	48
1006	2	380	49
1007	3	430	87
1008	2	750	65
1009	3	470	46
1010	5	190	32
1011	2	500	68
1012	8	200	32
1013	8	150	17
1014	2	170	29
1015	<1	160	13
1016	17	270	78
1017	89	50	151
1018	9	250	63
1019	3	150	44
1020	12	110	89
1021	9	200	44
1022	25	490	18
1023	4	220	49
1024	4	290	42
1025	9	110	36
1026	10	520	49
1027	6	650	17
1028	4	40	18
1029	12	310	62
1030	14	60	126
1031	5	40	63
1032	11	80	42
1033	7	150	94
1034	27	200	124
1035	11	290	80
1036	21	1280	109
1037	18	850	54
1038	26	1090	81
1039	25	2240	165
1040	24	220	204
1041	27	1230	104
1042	71	800	96
1043	33	520	27

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Final : TO110550 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1044	17	70	36
1045	2	40	25
1046	9	150	104
1047	12	1040	66
1048	5	30	14
1049	19	680	62
1050	14	<20	67
1051	41	1730	37
1052	22	450	48
1053	12	230	38
1054	4	70	16
1055	47	50	68
1056	26	40	35
1057	3	210	43
1058	<1	80	6
1059	5	260	90
1060	5	60	94
1061	4	30	<5
1062	15	40	41
1063	14	30	16
1064	3	60	16
1065	6	90	14
1066	6	180	7
1067	3	110	34
1068	9	30	23
1069	18	510	47
1070	5	90	18
1071	8	60	20
1072	37	850	195
1073	5	30	17
1074	18	1520	94
1075	<1	<20	<5
*Rep 1011	3	550	57
*Rep 1016	20	350	84
*Rep 1027	6	720	19
*Rep 1046	13	230	125
*Rep 1060	6	50	86
*Rep 1069	18	560	66
*Std MMISRM18	<1	720	25
*Std MMISRM16	<1	220	20
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110553

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 09, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 75
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
1226	<1	27	10	0.5	1020	<1	390	<1	270	25
1227	3	7	<10	1.2	510	<1	180	4	94	151
1228	4	10	<10	3.8	1140	<1	300	2	<5	254
1229	2	118	<10	0.1	1270	<1	230	7	338	35
1230	<1	191	<10	<0.1	40	<1	<10	7	<5	6
1231	<1	204	<10	<0.1	50	<1	<10	6	<5	5
1232	19	106	<10	0.1	2420	<1	460	22	222	63
1233	11	27	<10	0.2	1300	<1	390	5	69	34
1234	2	82	<10	0.2	2180	<1	370	4	171	14
1235	8	12	<10	<0.1	1590	<1	380	6	<5	104
1236	2	62	<10	0.1	1920	<1	340	5	115	10
1237	6	36	10	0.1	2890	<1	380	6	857	105
1238	1	139	<10	<0.1	1040	<1	280	5	237	69
1239	4	120	10	0.1	700	1	210	5	704	57
1240	3	21	30	0.1	2220	<1	440	2	310	43
1241	3	80	20	0.2	980	<1	330	8	667	139
1242	3	30	20	0.1	3410	<1	470	7	458	59
1243	5	53	<10	0.4	1690	<1	480	5	139	41
1244	<1	30	<10	<0.1	2960	<1	470	1	226	109
1245	2	30	<10	0.1	1390	<1	430	3	292	25
1246	12	16	<10	0.2	2920	<1	400	3	84	38
1247	9	56	<10	0.2	1880	<1	470	12	122	21
1248	4	13	10	0.4	4720	<1	300	3	148	17
1249	5	12	<10	0.4	1730	<1	280	3	22	151
1250	<1	39	10	0.2	2420	<1	460	1	487	131
1251	5	126	10	<0.1	2730	<1	310	9	675	91
1252	2	296	<10	<0.1	750	<1	10	6	37	67
1253	21	100	<10	0.2	2530	<1	430	10	171	19
1254	3	278	<10	<0.1	1100	<1	20	19	103	88
1255	1	272	<10	<0.1	1080	<1	<10	1	103	20
1256	3	131	10	0.1	800	<1	200	8	238	89
1257	<1	109	<10	<0.1	990	<1	220	3	<5	206
1258	5	80	<10	0.1	960	<1	360	10	401	35
1259	3	80	20	0.2	1730	<1	200	5	2270	136
1260	2	134	<10	<0.1	1090	<1	320	19	111	29
1261	18	81	<10	0.1	1870	<1	410	4	74	12
1262	1	154	<10	<0.1	880	<1	240	18	482	97
1263	3	17	<10	0.3	2030	<1	410	2	<5	<5
1264	4	19	30	0.2	4110	<1	360	2	379	35
1265	3	45	<10	0.2	2260	<1	380	7	38	18
1266	9	74	20	0.2	4210	<1	330	3	1380	73
1267	<1	>300	<10	<0.1	1470	<1	<10	1	57	18
1268	6	23	20	0.2	3460	<1	370	6	308	36

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1269	2	131	<10	0.1	700	<1	320	14	147	22
1270	<1	255	10	<0.1	60	<1	<10	2	<5	12
1271	2	109	<10	<0.1	1190	<1	500	19	412	100
1272	4	54	<10	0.2	2410	<1	390	5	165	10
1273	11	132	<10	0.2	1560	<1	490	27	281	12
1274	2	156	<10	<0.1	1400	<1	190	14	433	130
1275	4	44	<10	0.1	2840	<1	390	9	367	30
1276	9	113	<10	0.2	2340	<1	390	7	119	16
1277	2	224	10	0.1	2750	<1	140	6	457	62
1278	2	240	<10	<0.1	990	<1	130	15	216	74
1279	2	205	<10	0.1	1090	<1	150	9	201	19
1280	4	108	<10	0.2	3010	<1	320	8	114	37
1281	2	15	20	0.2	3740	<1	290	1	587	32
1282	4	44	<10	0.2	4710	<1	390	8	1510	112
1283	3	249	<10	<0.1	2340	<1	70	4	534	44
1284	6	52	<10	1.7	2770	<1	410	5	54	13
1285	12	23	<10	0.1	1900	<1	400	8	152	52
1286	11	102	<10	0.2	2650	<1	350	11	563	76
1287	15	11	<10	0.2	2610	<1	280	5	40	52
1288	6	17	10	0.2	2860	<1	370	3	228	32
1289	3	17	<10	0.2	2760	<1	340	4	5	7
1290	8	34	<10	0.1	2650	<1	400	9	30	118
1291	10	99	<10	0.1	2130	<1	470	21	177	101
1292	<1	>300	<10	<0.1	260	<1	<10	4	90	21
1293	1	73	<10	<0.1	910	<1	250	7	62	538
1294	13	54	<10	0.2	2550	<1	480	14	437	111
1295	1	90	<10	0.4	1480	<1	330	3	63	16
1296	3	108	<10	<0.1	1170	<1	370	12	173	45
1297	9	68	<10	0.1	1910	<1	420	19	84	28
1298	14	11	<10	0.2	3220	<1	360	3	159	26
1299	14	15	<10	0.1	3010	<1	290	7	18	69
1300	11	20	<10	0.1	2300	<1	320	5	69	87
*Rep 1226	<1	24	10	0.4	1760	<1	390	1	636	13
*Rep 1250	<1	42	10	0.3	1730	<1	430	2	480	136
*Rep 1253	28	50	<10	0.2	2960	<1	430	14	121	15
*Rep 1270	<1	274	20	<0.1	40	<1	<10	12	<5	25
*Rep 1286	16	71	10	0.2	3880	<1	460	8	1330	87
*Rep 1297	8	48	<10	0.1	2620	<1	390	12	65	23
*Std MMISRM18	27	23	20	9.5	160	<1	200	83	15	71
*Std MMISRM16	18	45	20	20.2	70	<1	220	4	10	60
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1226	<100	2.7	1290	7	3.4	3.0	36	2	10	<1
1227	<100	<0.5	410	3	1.9	1.4	9	1	5	<1
1228	<100	<0.5	560	2	1.0	0.6	5	<1	3	<1
1229	<100	3.4	190	24	10.9	10.2	23	5	37	<1
1230	<100	<0.5	220	<1	<0.5	<0.5	48	12	<1	<1
1231	<100	<0.5	190	<1	0.5	<0.5	47	12	<1	<1
1232	<100	1.0	2100	34	23.2	7.7	19	3	36	<1
1233	<100	<0.5	940	10	5.2	3.6	10	<1	15	<1
1234	<100	1.0	520	32	18.8	9.1	18	2	36	<1
1235	<100	<0.5	1470	4	2.3	1.1	4	<1	5	<1
1236	<100	<0.5	510	32	17.3	11.2	20	3	46	<1
1237	<100	0.6	2500	29	17.0	10.2	76	6	39	<1
1238	<100	3.6	160	21	10.6	6.1	42	6	25	<1
1239	100	7.8	1260	30	14.1	11.1	155	14	39	<1
1240	<100	<0.5	2640	13	6.2	5.6	40	3	21	<1
1241	<100	1.6	2400	24	13.4	8.6	139	5	32	<1
1242	<100	<0.5	5100	24	13.9	9.1	84	4	36	<1
1243	<100	<0.5	660	15	8.3	5.1	14	2	21	<1
1244	<100	<0.5	2160	10	5.6	3.9	73	2	14	<1
1245	<100	0.6	1620	10	5.2	4.2	90	3	16	<1
1246	<100	<0.5	5290	13	8.0	3.4	18	1	16	<1
1247	<100	1.0	790	18	9.7	5.5	9	1	24	<1
1248	<100	0.5	3740	16	10.3	4.9	43	2	21	<1
1249	<100	<0.5	1360	4	2.1	1.3	6	<1	5	<1
1250	<100	<0.5	1090	12	6.0	5.2	83	4	18	<1
1251	<100	1.0	550	35	17.0	13.0	41	8	49	<1
1252	<100	1.2	220	22	15.7	2.0	102	11	9	<1
1253	<100	0.6	1050	36	21.0	10.2	10	2	44	<1
1254	<100	1.2	280	28	17.4	4.4	94	11	19	<1
1255	<100	4.2	190	6	2.8	2.1	136	11	7	<1
1256	100	2.3	270	15	7.0	5.6	173	10	20	<1
1257	<100	1.5	1480	2	2.2	0.5	231	1	2	<1
1258	<100	1.6	350	24	10.7	10.3	33	5	37	<1
1259	200	1.7	620	70	34.0	27.7	76	19	100	<1
1260	<100	11.9	110	18	9.2	4.9	34	4	18	<1
1261	<100	4.4	1420	22	11.2	7.3	8	2	30	<1
1262	<100	3.9	190	35	17.1	11.9	50	8	46	<1
1263	<100	1.0	690	8	3.7	2.7	4	<1	11	2
1264	<100	0.9	3340	19	10.1	7.5	41	3	30	<1
1265	<100	1.6	340	9	4.8	3.6	9	1	13	<1
1266	100	3.3	3500	45	25.4	15.2	76	10	57	<1
1267	<100	4.7	220	4	2.0	1.4	96	6	4	<1
1268	<100	0.8	4740	23	13.5	7.4	39	4	31	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1269	<100	3.3	620	25	12.8	8.4	12	2	35	<1
1270	200	<0.5	210	1	1.3	<0.5	215	24	<1	<1
1271	100	1.4	1270	35	22.6	8.7	22	4	38	<1
1272	<100	<0.5	730	23	11.3	8.2	20	3	34	<1
1273	<100	1.9	1650	31	20.8	6.7	37	3	31	<1
1274	<100	4.8	500	31	16.0	9.8	89	9	40	<1
1275	<100	<0.5	930	36	17.7	11.8	13	3	53	<1
1276	<100	0.9	590	35	21.9	8.6	26	3	39	<1
1277	200	3.6	180	28	13.4	9.6	138	18	37	<1
1278	<100	1.0	270	25	12.1	5.8	123	13	26	<1
1279	<100	3.0	250	31	14.2	9.1	41	6	37	<1
1280	<100	1.9	660	46	22.6	13.9	8	3	63	<1
1281	<100	1.2	2300	19	9.0	9.1	43	4	32	<1
1282	100	1.5	3110	27	15.2	10.0	77	7	39	<1
1283	<100	4.5	440	138	67.6	26.1	98	14	117	<1
1284	<100	<0.5	650	16	8.3	5.4	13	2	24	<1
1285	<100	<0.5	1420	16	7.6	5.8	13	2	26	<1
1286	<100	1.4	4050	29	19.4	8.6	147	6	35	<1
1287	<100	<0.5	2750	11	6.6	2.9	10	<1	14	<1
1288	<100	<0.5	2110	15	8.3	5.6	33	2	23	<1
1289	<100	<0.5	480	9	4.8	2.9	5	<1	14	<1
1290	<100	<0.5	920	8	5.4	1.8	6	<1	9	<1
1291	<100	1.2	2960	15	11.1	3.9	13	3	17	<1
1292	<100	5.7	80	9	6.0	1.9	130	51	8	<1
1293	<100	2.5	1090	6	4.1	1.6	337	2	6	<1
1294	100	0.7	1280	30	17.2	10.6	32	4	43	<1
1295	<100	2.0	420	18	10.1	5.9	11	2	25	1
1296	<100	1.7	310	20	10.6	6.1	15	3	27	<1
1297	<100	0.9	1920	11	6.4	3.5	10	2	15	<1
1298	<100	<0.5	4490	22	14.7	5.9	42	2	28	<1
1299	<100	0.5	2750	9	5.5	2.2	7	<1	11	<1
1300	<100	0.7	670	9	5.7	2.7	28	2	13	<1
*Rep 1226	<100	2.3	1670	14	6.9	6.8	62	4	23	<1
*Rep 1250	<100	<0.5	950	13	6.3	5.0	91	4	17	<1
*Rep 1253	<100	0.7	1390	41	23.0	11.6	10	2	53	1
*Rep 1270	200	0.7	240	3	2.0	<0.5	203	31	2	<1
*Rep 1286	100	1.2	4650	45	29.1	14.9	115	11	58	<1
*Rep 1297	<100	0.8	1360	11	6.1	3.4	10	1	15	<1
*Std MMISRM18	<100	6.7	860	3	1.1	1.1	3	<1	4	4
*Std MMISRM16	<100	12.4	610	3	1.2	1.1	3	<1	5	15
*Blk BLANK	<100	<0.5	<10	<1	<0.5	0.6	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1226	<0.5	16.9	65	<5	72	2290	11	2.6	74	98
1227	<0.5	30.4	36	<5	12	7310	<5	1.0	28	103
1228	<0.5	17.6	8	34	95	12200	<5	<0.5	2	209
1229	<0.5	12.4	229	<5	35	1340	<5	2.3	236	59
1230	<0.5	0.4	21	<5	<1	80	<5	<0.5	2	15
1231	<0.5	0.5	21	<5	<1	80	<5	<0.5	2	13
1232	<0.5	18.0	162	13	90	2690	<5	1.0	171	184
1233	<0.5	16.7	48	11	82	550	<5	0.5	66	94
1234	<0.5	14.7	124	<5	83	480	<5	1.2	176	59
1235	<0.5	20.7	9	55	102	2880	27	<0.5	5	101
1236	<0.5	13.6	196	<5	84	360	<5	1.3	230	70
1237	<0.5	21.5	347	52	77	5350	27	3.5	352	152
1238	<0.5	10.7	95	<5	46	3050	<5	1.8	115	96
1239	<0.5	4.2	308	<5	24	3640	9	11.0	277	62
1240	<0.5	28.5	125	20	65	7750	69	3.2	152	138
1241	<0.5	20.7	284	<5	41	6710	11	5.1	279	117
1242	<0.5	31.4	332	37	69	4010	31	4.2	311	403
1243	<0.5	15.2	86	<5	89	920	<5	1.0	102	76
1244	<0.5	25.5	121	31	68	2870	5	3.2	118	357
1245	<0.5	19.0	161	20	58	6050	23	3.3	141	113
1246	<0.5	30.2	41	37	96	11200	15	<0.5	59	60
1247	<0.5	16.2	62	12	87	2660	<5	<0.5	89	202
1248	<0.5	28.9	65	18	58	3340	28	1.2	95	64
1249	<0.5	19.7	18	28	70	31600	5	<0.5	15	116
1250	<0.5	26.8	142	<5	76	9910	10	5.7	150	103
1251	<0.5	13.8	338	7	68	2070	<5	4.2	323	156
1252	<0.5	12.5	28	<5	6	550	<5	2.9	23	72
1253	<0.5	16.2	186	<5	107	410	<5	1.1	199	169
1254	<0.5	12.3	57	8	11	270	<5	5.0	69	146
1255	<0.5	12.8	60	<5	2	40	<5	6.1	40	77
1256	<0.5	10.0	112	<5	32	5740	<5	6.5	117	107
1257	<0.5	14.5	13	<5	70	2060	<5	1.8	4	196
1258	<0.5	13.4	201	<5	56	2510	<5	1.9	225	79
1259	<0.5	5.2	821	<5	42	18400	<5	11.3	772	97
1260	<0.5	15.0	61	<5	78	530	<5	0.5	72	122
1261	<0.5	15.8	150	<5	92	200	<5	<0.5	159	40
1262	<0.5	9.6	227	6	36	3200	<5	3.4	259	137
1263	<0.5	22.2	17	23	100	190	<5	<0.5	23	48
1264	<0.5	16.8	174	9	57	4150	32	3.1	190	61
1265	<0.5	18.4	45	18	71	1290	<5	<0.5	59	53
1266	<0.5	15.8	485	5	39	2180	13	8.3	429	59
1267	<0.5	9.7	35	<5	2	190	<5	4.9	17	41
1268	<0.5	21.5	121	15	53	8740	<5	4.4	164	38

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1269	<0.5	15.2	189	<5	51	400	<5	0.7	187	99
1270	<0.5	6.4	3	<5	1	<10	<5	9.3	<1	307
1271	<0.5	16.0	188	<5	52	17200	<5	2.9	197	237
1272	<0.5	12.6	184	7	76	420	7	1.8	195	56
1273	<0.5	9.2	201	<5	86	1120	<5	1.4	165	262
1274	<0.5	22.9	203	6	48	5080	<5	4.6	226	169
1275	<0.5	11.9	182	10	92	700	<5	0.8	251	159
1276	<0.5	11.9	176	6	76	450	<5	1.2	194	115
1277	<0.5	10.0	232	9	19	1760	<5	15.2	221	122
1278	<0.5	8.4	88	<5	32	610	<5	6.1	111	148
1279	<0.5	7.9	207	<5	21	460	<5	2.9	201	50
1280	<0.5	9.7	209	<5	79	300	<5	0.6	265	33
1281	<0.5	13.7	259	<5	44	2660	13	2.4	271	63
1282	<0.5	8.9	408	8	27	4420	<5	7.3	352	94
1283	<0.5	13.3	210	<5	23	620	<5	3.4	495	103
1284	<0.5	22.4	84	14	79	880	<5	0.7	110	88
1285	<0.5	17.8	95	16	70	4090	<5	1.6	128	100
1286	<0.5	17.1	280	16	51	8040	9	5.7	254	109
1287	<0.5	24.7	30	32	52	5210	15	<0.5	42	36
1288	<0.5	18.4	101	19	55	3300	6	3.0	143	42
1289	<0.5	8.8	28	8	73	310	<5	<0.5	43	25
1290	<0.5	21.4	12	50	85	8990	<5	<0.5	19	130
1291	<0.5	21.8	84	16	78	13400	<5	1.3	83	192
1292	<0.5	7.1	52	<5	1	40	<5	9.7	35	86
1293	<0.5	17.8	32	<5	45	9900	23	3.4	34	233
1294	<0.5	18.4	234	10	109	7150	<5	1.5	251	138
1295	<0.5	13.8	69	<5	60	530	<5	0.9	105	39
1296	<0.5	13.4	110	<5	48	6690	<5	0.7	130	77
1297	<0.5	13.1	50	8	55	2150	<5	1.3	61	198
1298	<0.5	20.2	68	17	68	2540	7	1.5	120	21
1299	<0.5	17.4	13	23	53	4830	<5	<0.5	25	69
1300	<0.5	12.6	36	13	52	9170	5	2.3	44	59
*Rep 1226	<0.5	19.7	174	<5	72	3020	10	2.3	191	60
*Rep 1250	<0.5	24.7	141	<5	70	9880	9	5.8	146	105
*Rep 1253	<0.5	17.1	157	<5	129	360	<5	<0.5	210	245
*Rep 1270	<0.5	9.1	6	<5	1	40	<5	13.6	<1	160
*Rep 1286	<0.5	21.5	544	20	65	8300	9	6.0	492	99
*Rep 1297	<0.5	14.1	36	11	57	2160	<5	1.3	53	128
*Std MMISRM18	<0.5	28.0	12	<5	90	660	33	<0.5	11	547
*Std MMISRM16	<0.5	35.7	14	<5	31	310	46	<0.5	17	228
*Bik BLANK	<0.5	<0.1	<1	<5	2	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1226	0.1	120	<1	17	<1	159	<1	<5	13	<1
1227	2.9	30	<1	6	<1	7	<1	<5	6	<1
1228	<0.1	40	<1	<1	<1	54	<1	<5	1	<1
1229	0.3	80	<1	57	<1	162	<1	26	46	<1
1230	1.7	70	<1	<1	<1	<5	<1	12	<1	<1
1231	1.5	70	<1	<1	<1	<5	<1	11	<1	<1
1232	0.2	130	<1	40	<1	120	<1	19	34	<1
1233	0.1	40	<1	13	<1	42	<1	7	14	<1
1234	0.1	70	<1	39	<1	166	<1	23	37	<1
1235	<0.1	70	<1	<1	<1	13	<1	<5	3	<1
1236	0.1	50	<1	53	<1	68	<1	17	45	<1
1237	0.2	530	<1	89	<1	53	2	22	53	<1
1238	0.2	140	<1	26	<1	180	<1	17	25	<1
1239	0.8	280	<1	74	<1	116	<1	42	47	<1
1240	0.1	360	<1	36	<1	40	1	6	26	<1
1241	0.3	270	<1	71	<1	162	<1	34	42	<1
1242	0.2	270	<1	79	<1	184	<1	17	46	<1
1243	0.1	50	<1	23	<1	96	<1	12	21	<1
1244	0.1	70	<1	29	<1	117	<1	11	18	<1
1245	0.2	150	<1	36	<1	121	<1	11	20	<1
1246	<0.1	260	<1	11	<1	14	<1	5	13	<1
1247	0.1	30	<1	18	<1	102	<1	9	21	<1
1248	<0.1	860	<1	20	<1	162	2	<5	20	<1
1249	<0.1	20	<1	2	<1	55	<1	<5	4	<1
1250	0.2	110	<1	37	<1	70	<1	10	23	<1
1251	0.6	70	<1	82	<1	160	<1	38	59	<1
1252	1.2	150	<1	4	<1	175	<1	23	7	<1
1253	0.2	90	<1	46	<1	86	<1	27	40	<1
1254	2.0	570	<1	14	<1	137	<1	30	16	<1
1255	2.9	40	<1	10	<1	213	<1	22	8	<1
1256	1.7	150	<1	28	<1	134	<1	25	23	<1
1257	0.3	10	<1	<1	<1	129	<1	24	1	<1
1258	0.3	120	<1	54	<1	130	<1	15	41	<1
1259	0.9	170	<1	205	<1	114	<1	57	124	<1
1260	0.3	140	<1	15	<1	289	<1	17	17	<1
1261	<0.1	20	<1	36	<1	211	<1	16	31	<1
1262	0.6	170	<1	62	<1	163	<1	26	50	<1
1263	<0.1	10	<1	3	<1	115	<1	5	8	<1
1264	0.2	450	<1	46	<1	91	2	8	31	<1
1265	0.2	20	<1	12	<1	108	<1	8	13	<1
1266	0.3	460	<1	115	<1	118	1	43	70	<1
1267	1.2	60	<1	4	<1	257	<1	17	4	<1
1268	0.2	430	<1	36	<1	107	1	14	31	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1269	0.1	70	<1	44	<1	252	<1	26	36	<1
1270	3.4	20	<1	<1	<1	42	<1	31	<1	2
1271	0.2	240	<1	47	<1	129	<1	32	38	<1
1272	0.2	60	<1	46	<1	64	<1	19	35	<1
1273	0.2	90	<1	42	<1	85	<1	27	30	<1
1274	0.7	230	<1	53	<1	243	<1	27	44	<1
1275	0.2	50	<1	55	<1	106	<1	14	52	<1
1276	0.1	100	<1	45	<1	82	<1	22	37	<1
1277	3.4	230	<1	55	<1	185	<1	32	43	<1
1278	1.3	250	<1	24	<1	172	<1	21	25	<1
1279	0.6	130	<1	49	<1	140	<1	27	39	<1
1280	<0.1	150	<1	58	<1	109	<1	31	59	<1
1281	0.2	190	<1	67	<1	171	<1	11	43	<1
1282	0.2	430	<1	94	<1	220	<1	21	53	<1
1283	0.4	390	<1	103	<1	222	<1	51	110	<1
1284	<0.1	30	<1	24	<1	98	<1	11	23	<1
1285	0.2	60	<1	27	<1	27	<1	6	26	<1
1286	0.4	370	<1	66	<1	91	<1	50	41	<1
1287	<0.1	230	<1	8	<1	50	<1	<5	11	<1
1288	0.2	230	<1	31	<1	29	<1	<5	27	<1
1289	<0.1	20	<1	7	<1	64	<1	<5	11	<1
1290	<0.1	60	<1	2	<1	35	<1	<5	7	<1
1291	0.2	330	<1	19	<1	71	<1	14	17	<1
1292	2.4	60	<1	8	<1	142	<1	22	8	1
1293	0.7	70	<1	7	<1	70	<1	40	7	<1
1294	0.3	70	<1	59	<1	84	<1	27	44	<1
1295	0.1	50	<1	22	<1	187	<1	19	24	<1
1296	0.2	200	<1	29	<1	141	<1	14	27	<1
1297	0.3	110	<1	13	<1	72	<1	10	14	<1
1298	<0.1	410	<1	24	<1	47	1	6	26	<1
1299	<0.1	180	<1	3	<1	69	<1	<5	8	<1
1300	0.2	80	<1	8	<1	45	<1	7	10	<1
*Rep 1226	0.1	160	<1	46	<1	165	<1	10	29	<1
*Rep 1250	0.2	110	<1	36	<1	69	<1	12	24	<1
*Rep 1253	0.1	40	<1	46	<1	100	<1	19	47	<1
*Rep 1270	6.2	40	<1	<1	<1	53	<1	53	<1	3
*Rep 1286	0.4	410	<1	132	<1	100	<1	57	74	<1
*Rep 1297	0.3	120	<1	10	<1	79	<1	10	13	<1
*Std MMISRM18	0.5	310	16	<1	6	174	<1	<5	4	<1
*Std MMISRM16	0.2	90	28	2	<1	328	<1	10	5	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1226	360	<1	2	<10	17.9	26	<0.5	47	<1	32
1227	180	<1	<1	<10	10.9	66	0.6	32	<1	22
1228	500	<1	<1	<10	4.0	<3	<0.5	7	1	11
1229	240	<1	5	<10	29.3	456	<0.5	9	<1	119
1230	<10	<1	<1	<10	0.5	269	<0.5	<1	<1	<5
1231	<10	<1	<1	<10	0.7	272	<0.5	1	<1	<5
1232	690	<1	6	<10	40.5	63	<0.5	145	<1	192
1233	1400	<1	2	<10	20.5	15	<0.5	28	<1	47
1234	750	<1	6	<10	78.6	25	<0.5	18	<1	138
1235	1720	<1	<1	<10	5.1	<3	<0.5	38	<1	19
1236	610	<1	7	<10	58.8	55	<0.5	17	<1	155
1237	1120	<1	6	<10	61.9	52	<0.5	73	<1	157
1238	260	<1	4	<10	29.4	353	<0.5	7	<1	102
1239	180	<1	6	<10	61.5	1300	0.6	29	1	145
1240	1800	<1	3	<10	44.7	29	<0.5	84	2	67
1241	550	<1	5	<10	65.9	149	<0.5	63	<1	128
1242	1640	<1	5	<10	39.4	36	<0.5	30	6	156
1243	580	<1	3	<10	29.9	26	0.5	4	<1	74
1244	960	<1	2	<10	33.6	33	<0.5	29	3	58
1245	500	<1	2	<10	28.4	29	<0.5	55	3	59
1246	1070	<1	2	<10	26.6	43	<0.5	46	<1	63
1247	710	<1	3	<10	30.5	6	<0.5	24	<1	90
1248	730	<1	3	<10	53.7	64	<0.5	7	3	79
1249	630	<1	<1	<10	9.7	9	<0.5	6	1	22
1250	610	<1	3	<10	35.3	76	<0.5	26	<1	57
1251	400	<1	7	<10	75.5	738	<0.5	12	<1	170
1252	40	<1	3	<10	21.7	583	<0.5	4	<1	111
1253	820	<1	7	<10	39.4	19	<0.5	18	<1	182
1254	80	<1	4	<10	35.7	920	<0.5	4	<1	142
1255	<10	<1	1	<10	30.1	1290	<0.5	6	<1	23
1256	180	<1	3	<10	41.5	1150	<0.5	8	<1	64
1257	620	<1	<1	<10	24.6	113	<0.5	29	<1	12
1258	590	<1	5	<10	45.4	145	0.5	11	<1	119
1259	300	<1	16	<10	197	1650	0.9	30	1	323
1260	390	<1	3	<10	15.9	52	<0.5	10	<1	87
1261	430	<1	4	<10	8.5	<3	<0.5	8	<1	124
1262	200	<1	7	<10	50.5	566	<0.5	24	<1	169
1263	520	<1	1	<10	4.9	<3	<0.5	10	<1	39
1264	1160	<1	4	<10	63.9	261	<0.5	44	1	94
1265	1160	<1	2	<10	23.8	30	<0.5	28	<1	38
1266	1180	<1	9	<10	122	667	0.6	28	1	190
1267	20	<1	<1	<10	17.7	984	0.9	3	<1	13
1268	760	<1	4	<10	108	385	0.8	5	<1	115

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1269	390	<1	5	<10	20.7	34	<0.5	11	<1	142
1270	<10	<1	<1	<10	11.1	2890	<0.5	4	<1	9
1271	570	<1	6	<10	84.9	69	0.8	18	<1	213
1272	720	<1	5	<10	41.2	90	0.6	86	<1	130
1273	680	<1	5	<10	52.0	29	0.6	577	<1	196
1274	370	<1	6	<10	61.0	917	<0.5	17	<1	161
1275	740	<1	8	<10	66.0	23	<0.5	56	<1	170
1276	640	<1	6	<10	35.4	29	<0.5	31	<1	200
1277	180	1	6	<10	82.4	2260	<0.5	8	<1	131
1278	240	<1	5	<10	39.2	1100	<0.5	5	<1	136
1279	190	<1	6	<10	29.4	443	<0.5	5	<1	179
1280	720	<1	9	<10	41.6	60	<0.5	12	<1	226
1281	360	<1	5	<10	55.7	123	<0.5	13	<1	95
1282	650	<1	6	<10	149	145	0.5	22	1	135
1283	260	<1	23	<10	41.4	719	0.6	15	<1	698
1284	690	<1	3	<10	31.1	30	<0.5	27	<1	87
1285	830	<1	3	<10	27.4	30	<0.5	33	<1	82
1286	750	<1	6	<10	90.9	360	<0.5	179	<1	168
1287	1600	<1	2	<10	21.0	47	<0.5	26	<1	62
1288	1200	<1	3	<10	74.7	120	<0.5	23	1	82
1289	680	<1	2	<10	8.7	13	<0.5	11	<1	46
1290	1210	<1	1	<10	13.2	25	<0.5	43	<1	42
1291	1460	<1	3	<10	39.9	109	<0.5	146	<1	88
1292	40	<1	1	<10	35.7	2980	<0.5	5	<1	41
1293	1430	<1	1	<10	19.7	356	<0.5	247	<1	41
1294	890	<1	6	<10	95.8	74	<0.5	15	<1	168
1295	670	<1	4	<10	51.3	41	<0.5	19	<1	84
1296	450	<1	4	<10	20.9	37	<0.5	17	<1	105
1297	640	<1	2	<10	30.8	76	<0.5	251	<1	65
1298	4470	<1	4	<10	69.1	69	<0.5	15	<1	125
1299	1650	<1	2	<10	14.6	54	<0.5	10	<1	44
1300	1340	<1	2	<10	24.3	228	<0.5	15	<1	50
*Rep 1226	440	<1	3	<10	23.0	22	<0.5	26	<1	73
*Rep 1250	550	<1	3	<10	36.6	97	<0.5	28	<1	59
*Rep 1253	1050	<1	7	<10	35.9	5	<0.5	17	<1	179
*Rep 1270	<10	<1	<1	<10	17.6	4850	<0.5	6	1	17
*Rep 1286	1230	<1	10	<10	138	392	<0.5	100	<1	271
*Rep 1297	650	<1	2	<10	28.5	105	<0.5	152	<1	54
*Std MMISRM18	1290	<1	<1	<10	15.4	9	<0.5	25	<1	17
*Std MMISRM16	470	<1	<1	<10	23.9	4	<0.5	50	<1	15
*Bik BLANK	<10	<1	<1	<10	0.9	4	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.6	<3	<0.5	<1	<1	<5

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Final : TO110553 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1226	3	90	7
1227	2	50	22
1228	<1	80	<5
1229	8	110	30
1230	<1	260	8
1231	<1	250	8
1232	21	460	45
1233	4	80	17
1234	16	740	46
1235	2	70	7
1236	13	400	35
1237	16	60	42
1238	8	1690	25
1239	11	80	55
1240	5	50	32
1241	11	140	49
1242	13	70	23
1243	7	90	21
1244	6	50	23
1245	5	70	12
1246	7	100	16
1247	8	560	14
1248	10	20	58
1249	2	40	13
1250	6	50	21
1251	14	1640	70
1252	11	420	27
1253	17	210	25
1254	14	520	42
1255	2	100	52
1256	5	570	52
1257	2	200	31
1258	8	440	31
1259	28	390	194
1260	6	630	7
1261	8	60	6
1262	13	930	38
1263	3	20	8
1264	9	160	84
1265	4	770	19
1266	22	180	105
1267	2	120	35
1268	13	50	193

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Final : TO110553 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1269	10	340	19
1270	1	70	40
1271	20	460	52
1272	9	90	48
1273	17	370	64
1274	12	550	57
1275	13	520	31
1276	19	190	33
1277	10	1100	118
1278	9	610	53
1279	10	360	45
1280	17	180	36
1281	7	<20	61
1282	13	300	96
1283	47	740	46
1284	7	150	28
1285	6	80	32
1286	19	160	120
1287	6	60	33
1288	8	80	89
1289	4	150	15
1290	5	160	15
1291	10	490	31
1292	5	130	32
1293	4	170	35
1294	15	340	72
1295	9	480	44
1296	8	450	19
1297	6	90	28
1298	15	120	98
1299	5	100	35
1300	5	80	47
*Rep 1226	6	40	12
*Rep 1250	6	70	23
*Rep 1253	19	160	16
*Rep 1270	2	240	64
*Rep 1286	26	130	145
*Rep 1297	5	70	33
*Std MMISRM18	<1	720	22
*Std MMISRM16	<1	240	21
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110552

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 09, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 75
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
1151	3	170	20	0.2	1820	<1	200	9	1130	152
1152	11	16	<10	0.1	2270	<1	360	9	49	291
1153	9	37	<10	0.1	1210	<1	380	12	32	135
1154	16	94	<10	<0.1	880	<1	460	23	167	33
1155	6	73	<10	0.2	880	<1	530	16	144	55
1156	27	69	<10	0.1	1690	<1	520	28	286	39
1157	11	62	<10	0.2	1750	<1	470	6	14	20
1158	4	124	<10	<0.1	630	<1	470	19	145	14
1159	7	112	<10	0.2	1150	<1	410	14	105	17
1160	9	111	<10	<0.1	950	<1	520	34	182	12
1161	2	>300	<10	<0.1	880	<1	<10	3	278	23
1162	<1	>300	40	<0.1	1050	<1	<10	14	70	7
1163	14	13	<10	0.1	2190	<1	320	4	66	45
1164	7	195	20	0.1	3050	<1	210	20	1540	218
1165	1	123	<10	<0.1	1070	<1	310	7	312	45
1166	<1	90	20	0.1	1220	<1	340	2	776	48
1167	<1	>300	<10	<0.1	560	<1	10	4	150	12
1168	2	14	<10	<0.1	2010	<1	290	2	63	11
1169	5	14	<10	0.1	1360	<1	280	3	34	32
1170	3	136	<10	<0.1	840	<1	400	19	130	13
1171	<1	120	<10	0.1	1160	<1	320	4	205	10
1172	4	77	<10	<0.1	1130	<1	340	5	320	5
1173	6	22	<10	0.4	1730	<1	380	2	101	34
1174	5	80	<10	0.2	2140	<1	400	6	165	19
1175	3	192	<10	<0.1	1680	<1	220	36	375	78
1176	5	>300	<10	<0.1	1930	<1	70	47	520	185
1177	2	>300	<10	<0.1	1880	<1	<10	14	242	48
1178	2	>300	<10	<0.1	910	<1	<10	15	99	65
1179	2	>300	<10	<0.1	580	<1	<10	12	62	64
1180	<1	>300	10	<0.1	1240	<1	<10	6	261	36
1181	3	132	<10	0.1	870	<1	270	8	578	32
1182	4	114	<10	0.1	1750	<1	240	4	715	37
1183	1	202	<10	<0.1	680	<1	130	13	123	64
1184	<1	184	<10	<0.1	930	<1	220	3	664	43
1185	3	254	<10	0.3	4760	<1	160	4	497	101
1186	6	136	<10	0.1	1600	<1	380	9	376	46
1187	<1	280	<10	<0.1	1020	<1	30	9	187	83
1188	1	264	10	<0.1	5730	<1	30	4	151	64
1189	2	225	<10	0.1	1930	<1	180	10	472	44
1190	13	123	<10	0.1	1130	<1	420	23	561	50
1191	<1	236	<10	<0.1	400	<1	80	18	407	43
1192	2	51	<10	0.3	1870	<1	450	3	23	27
1193	3	159	<10	<0.1	1630	<1	220	8	58	38

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1194	23	123	<10	<0.1	960	<1	460	24	245	36
1195	7	34	20	0.1	1960	<1	390	4	2370	97
1196	2	41	30	<0.1	1060	<1	160	3	2110	109
1197	3	280	30	0.3	3710	1	110	1	1420	136
1198	17	36	20	0.2	3640	<1	380	4	1820	36
1199	2	66	<10	0.2	1630	<1	420	6	171	22
1200	6	38	<10	0.1	1190	<1	430	5	28	6
1201	<1	>300	40	0.2	600	<1	<10	14	70	16
1202	3	292	10	0.1	980	<1	<10	15	168	34
1203	5	296	<10	0.4	2030	<1	<10	14	136	46
1204	2	>300	20	<0.1	890	<1	<10	7	56	14
1205	6	251	<10	<0.1	910	<1	<10	15	216	28
1206	4	>300	20	<0.1	1000	<1	<10	15	56	35
1207	15	>300	30	0.4	990	<1	<10	16	138	24
1208	4	>300	20	<0.1	720	<1	<10	30	54	36
1209	2	>300	20	<0.1	310	<1	<10	11	49	13
1210	3	>300	10	<0.1	690	<1	<10	9	71	22
1211	3	>300	<10	<0.1	1120	<1	10	20	54	104
1212	2	214	<10	<0.1	4060	<1	150	39	212	132
1213	2	>300	20	<0.1	1440	<1	<10	18	116	47
1214	2	>300	10	0.2	1850	<1	<10	22	275	37
1215	2	>300	20	<0.1	2320	<1	<10	10	126	29
1216	3	65	<10	0.6	1810	<1	350	9	162	57
1217	4	179	<10	0.3	2280	<1	230	8	806	37
1218	4	164	<10	0.1	1970	<1	220	32	880	56
1219	<1	>300	<10	<0.1	1260	<1	<10	4	474	21
1220	<1	>300	30	0.2	510	<1	<10	11	73	18
1221	4	>300	<10	0.2	950	<1	10	17	117	57
1222	8	246	<10	<0.1	960	<1	<10	10	202	19
1223	7	278	10	0.3	2170	<1	20	21	399	59
1224	3	>300	10	0.1	2280	<1	20	8	483	65
1225	3	71	20	2.6	1350	<1	240	4	1290	44
*Rep 1163	9	9	<10	0.1	2020	<1	230	3	41	29
*Rep 1166	<1	93	20	0.1	1090	<1	360	<1	469	40
*Rep 1188	<1	286	10	<0.1	5540	<1	<10	11	110	57
*Rep 1197	3	293	30	0.2	4330	<1	110	1	1350	163
*Rep 1208	3	>300	30	<0.1	590	<1	10	24	41	29
*Rep 1217	5	113	<10	0.3	2460	<1	310	5	878	24
*Std MMISRM18	24	23	10	8.3	180	<1	180	82	27	61
*Std MMISRM16	18	45	20	22.8	80	<1	220	4	21	54
*Blk BLANK	<1	<1	<10	<0.1	<10	1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	7	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1151	200	1.2	610	68	35.1	20.9	131	15	85	<1
1152	<100	<0.5	1670	12	7.6	2.9	8	<1	14	<1
1153	<100	<0.5	1590	7	4.5	1.9	6	<1	9	<1
1154	<100	0.9	1050	21	13.3	5.9	17	2	26	<1
1155	<100	1.0	1580	13	6.1	4.2	9	2	18	<1
1156	<100	<0.5	3780	38	20.5	11.1	9	3	52	<1
1157	<100	<0.5	750	12	7.1	2.8	8	<1	14	3
1158	<100	1.8	360	20	10.8	5.1	33	2	22	<1
1159	<100	1.3	450	32	18.2	8.9	10	2	40	<1
1160	<100	0.9	860	16	9.3	4.3	4	1	19	<1
1161	100	5.7	200	34	21.7	7.0	161	23	28	<1
1162	300	4.8	120	5	2.4	2.0	112	49	5	1
1163	<100	<0.5	2270	11	6.4	2.4	9	1	13	<1
1164	200	2.5	1210	86	52.3	23.7	200	19	99	<1
1165	<100	3.0	150	11	4.9	4.5	45	8	16	<1
1166	100	0.7	1430	26	13.2	9.5	102	6	28	<1
1167	300	7.2	40	13	5.8	5.0	29	73	15	<1
1168	<100	<0.5	1770	8	3.8	3.3	9	<1	12	<1
1169	<100	0.6	680	13	6.7	3.6	3	<1	19	<1
1170	<100	3.3	230	20	9.4	6.2	20	3	25	<1
1171	<100	1.9	140	18	8.3	5.7	14	3	23	<1
1172	<100	1.2	240	21	9.3	8.4	16	3	33	<1
1173	<100	0.6	550	24	12.1	8.0	10	1	35	<1
1174	<100	0.7	400	34	17.5	10.8	18	3	47	<1
1175	<100	2.1	310	36	16.5	8.6	81	8	38	<1
1176	<100	2.7	560	128	62.1	24.2	104	15	110	<1
1177	100	7.3	280	24	13.3	5.5	121	16	21	<1
1178	<100	1.7	230	11	8.0	2.1	132	19	8	<1
1179	<100	2.3	160	7	5.9	1.4	190	19	5	<1
1180	100	5.6	110	20	11.2	5.1	146	32	19	<1
1181	<100	1.4	290	28	12.9	10.1	52	6	39	<1
1182	<100	1.5	530	61	34.4	18.8	74	8	77	<1
1183	<100	4.7	130	25	13.0	5.2	85	9	23	<1
1184	<100	5.2	200	39	17.7	13.3	62	11	51	<1
1185	<100	4.4	740	102	59.3	21.2	111	14	96	<1
1186	100	2.4	980	56	33.9	14.3	25	5	66	<1
1187	<100	5.8	240	22	15.3	4.8	110	37	21	<1
1188	<100	7.3	640	7	4.6	2.2	167	30	9	<1
1189	<100	2.8	270	75	35.3	17.1	97	9	77	<1
1190	<100	1.3	1580	40	23.3	11.3	39	5	47	<1
1191	<100	3.4	90	36	15.4	11.8	49	10	46	<1
1192	<100	1.3	600	14	8.2	3.9	7	<1	17	4
1193	<100	2.4	290	57	36.6	6.1	61	3	31	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1194	<100	1.6	1120	24	17.2	5.2	26	2	24	<1
1195	<100	0.8	3300	57	30.4	23.1	111	14	90	<1
1196	200	3.7	1090	52	23.7	23.0	237	20	81	<1
1197	300	6.5	1910	152	84.7	41.9	244	31	172	<1
1198	100	1.3	4770	64	32.6	23.1	52	12	89	<1
1199	<100	1.3	2870	14	9.8	4.2	46	3	17	<1
1200	<100	0.8	460	9	4.1	3.7	9	1	15	<1
1201	200	5.1	160	6	3.1	2.0	143	75	6	<1
1202	100	4.8	260	22	11.5	5.3	85	17	20	<1
1203	<100	7.3	210	17	8.3	3.8	53	10	15	<1
1204	100	4.3	150	7	4.1	1.7	166	40	5	<1
1205	100	5.6	210	24	12.3	6.7	56	11	23	<1
1206	100	4.0	190	6	3.8	1.3	151	27	5	<1
1207	200	5.4	200	12	5.4	3.2	209	57	10	<1
1208	100	4.5	200	7	4.2	1.7	140	33	5	<1
1209	100	4.2	100	6	4.7	1.2	184	90	5	<1
1210	100	7.0	200	9	6.1	2.2	164	34	7	<1
1211	<100	5.3	310	7	5.6	1.4	171	18	5	<1
1212	<100	3.6	200	70	39.1	11.1	84	5	49	<1
1213	100	3.8	220	11	5.7	3.4	115	20	10	1
1214	<100	5.9	190	30	15.8	7.5	83	12	25	<1
1215	200	10.8	250	12	7.9	2.5	154	29	9	<1
1216	<100	0.9	300	13	6.3	5.7	24	2	21	<1
1217	100	0.7	920	159	89.2	42.4	10	10	187	<1
1218	<100	2.9	340	94	48.2	25.5	33	8	108	<1
1219	200	8.4	100	36	15.5	12.3	56	21	43	<1
1220	200	2.7	250	8	3.9	2.2	154	47	8	1
1221	100	3.6	260	18	9.8	3.4	117	24	13	<1
1222	<100	5.7	140	43	22.2	10.2	51	13	37	<1
1223	<100	6.6	240	80	36.0	23.6	70	22	95	<1
1224	100	7.1	410	66	30.6	17.8	93	24	73	<1
1225	<100	2.6	810	36	15.7	15.5	89	9	54	<1
*Rep 1163	<100	<0.5	1610	7	4.6	1.9	7	<1	10	<1
*Rep 1166	100	0.7	1530	29	15.0	11.0	123	4	22	<1
*Rep 1188	<100	5.6	320	7	5.1	1.6	116	34	7	<1
*Rep 1197	300	6.7	1980	163	94.7	38.2	237	29	161	<1
*Rep 1208	100	4.0	200	6	4.0	1.5	157	56	5	<1
*Rep 1217	<100	<0.5	920	147	87.1	40.2	8	3	199	1
*Std MMISRM18	<100	6.7	780	3	1.2	1.3	3	<1	5	4
*Std MMISRM16	<100	12.7	570	3	1.0	1.4	2	<1	5	14
*Blk BLANK	<100	<0.5	<10	<1	<0.5	0.6	<1	<1	1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1151	<0.5	11.1	424	<5	32	4600	<5	16.2	496	93
1152	<0.5	21.8	13	75	104	8710	11	<0.5	35	145
1153	<0.5	24.7	13	65	95	11900	24	0.6	28	162
1154	<0.5	11.3	101	19	93	1170	<5	0.7	133	327
1155	<0.5	18.0	54	<5	104	1900	<5	1.2	85	217
1156	<0.5	18.4	157	11	102	920	<5	0.5	228	280
1157	<0.5	27.0	19	50	115	650	<5	<0.5	41	113
1158	<0.5	10.1	84	<5	85	300	<5	<0.5	109	170
1159	<0.5	17.3	140	<5	107	770	<5	0.5	184	182
1160	<0.5	12.4	74	<5	135	750	<5	0.6	93	228
1161	<0.5	7.9	131	10	5	240	<5	15.1	143	47
1162	<0.5	12.5	42	<5	2	160	<5	17.5	31	56
1163	<0.5	22.2	30	34	93	6260	<5	1.0	37	36
1164	<0.5	14.6	620	23	54	22800	<5	18.6	620	266
1165	<0.5	14.8	93	<5	48	3190	<5	4.9	109	60
1166	<0.5	17.1	188	<5	55	4490	10	9.3	288	56
1167	<0.5	5.1	69	7	2	280	<5	35.6	78	51
1168	<0.5	23.4	23	40	82	220	18	0.8	52	46
1169	<0.5	16.9	14	21	82	1450	9	<0.5	45	63
1170	<0.5	13.5	151	<5	66	290	<5	0.6	149	87
1171	<0.5	14.9	89	<5	65	530	<5	1.4	124	56
1172	<0.5	22.7	149	<5	83	150	<5	0.5	200	88
1173	<0.5	12.0	86	7	122	1410	<5	<0.5	143	85
1174	<0.5	19.6	179	<5	106	430	<5	1.2	240	86
1175	<0.5	25.6	170	8	63	2410	<5	4.2	193	208
1176	<0.5	23.7	184	22	36	5560	<5	6.2	450	293
1177	<0.5	18.0	103	21	5	190	<5	9.6	112	101
1178	<0.5	11.9	44	19	7	100	<5	7.8	39	133
1179	<0.5	15.8	31	17	6	190	<5	10.7	26	133
1180	<0.5	15.3	116	22	5	330	<5	14.3	113	81
1181	<0.5	6.7	238	<5	51	1050	<5	3.3	276	117
1182	<0.5	9.1	376	11	61	1450	<5	8.5	472	58
1183	<0.5	10.8	52	15	38	1110	<5	4.4	89	171
1184	<0.5	13.1	251	12	28	1810	<5	8.6	303	63
1185	<0.5	22.4	351	36	66	3380	<5	7.6	467	130
1186	<0.5	10.4	352	7	92	1040	<5	3.1	334	159
1187	<0.5	16.6	100	27	14	660	<5	11.2	110	218
1188	<0.5	25.8	51	15	6	420	<5	8.8	50	90
1189	<0.5	13.6	247	<5	40	820	<5	2.5	351	152
1190	<0.5	17.0	259	<5	73	2770	<5	3.4	289	258
1191	<0.5	7.1	204	8	12	550	<5	3.2	248	119
1192	<0.5	19.3	32	<5	107	650	<5	<0.5	64	39
1193	<0.5	15.1	24	18	80	300	<5	<0.5	85	170

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1194	<0.5	14.0	119	<5	79	720	<5	1.4	124	193
1195	<0.5	28.6	1070	30	51	8090	104	6.1	887	174
1196	<0.5	7.8	807	<5	19	11900	<5	14.4	708	36
1197	<0.5	16.0	415	34	31	5930	<5	30.5	843	98
1198	<0.5	10.8	762	23	83	2350	14	6.9	717	106
1199	<0.5	21.7	116	28	90	560	52	3.3	122	243
1200	<0.5	15.2	49	7	91	260	<5	<0.5	80	87
1201	<0.5	16.1	44	21	7	460	<5	29.9	34	37
1202	<0.5	13.8	60	10	2	860	<5	10.6	82	57
1203	<0.5	25.3	52	8	6	920	<5	5.4	67	92
1204	<0.5	18.5	26	19	4	470	<5	24.9	23	43
1205	<0.5	10.6	56	6	<1	530	<5	5.4	99	41
1206	<0.5	21.8	25	23	4	260	<5	14.7	21	60
1207	<0.5	16.0	60	20	5	1030	<5	25.2	50	75
1208	<0.5	13.3	21	19	4	610	<5	13.3	23	67
1209	<0.5	15.8	19	27	5	300	<5	36.6	17	47
1210	<0.5	13.7	29	14	3	580	<5	16.6	30	50
1211	<0.5	13.5	21	16	5	170	<5	9.9	22	129
1212	<0.5	32.2	62	13	68	1070	<5	<0.5	187	330
1213	<0.5	8.3	53	9	2	500	<5	9.1	53	71
1214	<0.5	18.5	93	10	2	280	<5	4.8	124	65
1215	<0.5	25.1	46	34	9	400	<5	18.3	47	98
1216	<0.5	18.1	84	<5	91	3240	<5	1.1	126	101
1217	<0.5	22.1	753	7	117	1870	<5	0.7	934	174
1218	<0.5	26.2	417	<5	57	3320	<5	1.3	534	144
1219	<0.5	11.5	201	16	3	100	<5	16.1	250	42
1220	<0.5	15.0	40	5	2	110	<5	17.8	36	49
1221	<0.5	18.7	43	16	7	490	<5	11.0	56	102
1222	<0.5	12.7	82	10	2	290	<5	6.4	148	28
1223	<0.5	19.5	273	17	11	1240	<5	12.4	462	85
1224	<0.5	23.0	195	26	14	880	<5	14.1	361	109
1225	<0.5	15.9	431	<5	48	4300	6	4.5	468	64
*Rep 1163	<0.5	15.9	18	28	68	3840	<5	0.7	28	24
*Rep 1166	<0.5	18.2	146	<5	69	5180	10	7.9	335	62
*Rep 1188	<0.5	21.5	37	16	4	120	<5	9.0	35	79
*Rep 1197	<0.5	16.9	405	38	36	6570	<5	28.4	764	103
*Rep 1208	<0.5	13.0	19	28	8	580	<5	20.5	20	91
*Rep 1217	<0.5	18.6	853	7	122	2310	<5	0.5	850	179
*Std MMISRM18	<0.5	24.4	10	<5	92	560	30	<0.5	22	464
*Std MMISRM16	<0.5	35.6	8	<5	33	110	45	<0.5	21	212
*Bik BLANK	<0.5	<0.1	1	<5	<1	80	<5	<0.5	1	<5
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1151	1.6	310	<1	123	<1	187	<1	63	96	<1
1152	<0.1	80	<1	6	<1	17	<1	8	10	<1
1153	<0.1	70	<1	6	<1	10	<1	<5	7	<1
1154	0.1	80	<1	31	<1	86	<1	12	26	<1
1155	0.2	80	<1	18	<1	97	<1	6	18	<1
1156	0.1	90	<1	51	<1	53	<1	17	48	<1
1157	0.1	40	<1	8	<1	51	<1	9	11	<1
1158	<0.1	90	<1	26	<1	160	<1	15	23	<1
1159	0.2	70	<1	43	<1	176	<1	22	39	<1
1160	<0.1	130	<1	22	<1	73	<1	8	19	<1
1161	2.7	250	<1	36	<1	166	<1	55	30	<1
1162	7.7	110	<1	8	<1	80	<1	35	6	4
1163	0.2	150	<1	8	<1	30	<1	<5	9	<1
1164	1.8	300	<1	160	<1	137	<1	116	114	1
1165	0.4	90	<1	28	<1	226	<1	12	20	<1
1166	0.5	140	<1	73	<1	92	1	29	46	<1
1167	10.0	280	<1	18	<1	59	<1	38	17	3
1168	0.1	380	<1	10	<1	83	2	<5	12	<1
1169	<0.1	20	<1	7	<1	51	<1	6	15	<1
1170	0.3	90	<1	38	<1	231	<1	13	28	<1
1171	0.1	100	<1	29	<1	194	<1	14	26	<1
1172	0.2	50	<1	47	<1	184	<1	9	39	<1
1173	<0.1	20	<1	29	<1	39	<1	14	31	<1
1174	0.2	60	<1	56	<1	94	<1	18	48	<1
1175	1.1	240	<1	46	<1	292	<1	30	40	<1
1176	1.8	400	<1	94	<1	261	<1	77	101	<1
1177	3.2	330	<1	28	<1	444	<1	44	23	<1
1178	2.0	80	<1	10	<1	131	<1	23	8	1
1179	2.5	90	<1	6	<1	89	<1	27	5	1
1180	2.2	170	<1	30	<1	226	<1	45	22	2
1181	0.6	60	<1	69	<1	129	<1	24	49	<1
1182	0.8	150	<1	114	<1	95	<1	45	87	<1
1183	1.0	320	<1	18	<1	183	<1	23	21	<1
1184	0.8	120	<1	74	<1	190	<1	32	60	<1
1185	0.6	270	<1	111	<1	239	<1	87	94	<1
1186	0.4	140	<1	79	<1	176	<1	42	64	<1
1187	2.2	110	<1	28	<1	238	<1	34	21	2
1188	1.8	40	<1	11	<1	289	<1	32	10	<1
1189	0.4	260	<1	83	<1	212	<1	42	73	<1
1190	0.4	150	<1	71	<1	147	<1	33	51	<1
1191	0.7	160	<1	60	<1	118	<1	31	50	<1
1192	<0.1	30	<1	13	<1	134	<1	11	15	<1
1193	0.2	250	<1	15	<1	123	<1	12	24	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1194	0.2	180	<1	31	<1	110	<1	23	23	<1
1195	0.3	420	<1	244	<1	95	<1	39	125	<1
1196	1.4	150	<1	193	<1	133	<1	51	110	1
1197	1.8	650	<1	182	<1	274	<1	227	189	2
1198	0.5	300	<1	192	<1	80	<1	38	114	<1
1199	0.3	460	<1	30	<1	157	1	16	21	<1
1200	0.1	20	<1	17	<1	123	<1	6	17	<1
1201	6.1	440	<1	9	<1	175	<1	40	7	10
1202	2.3	350	<1	19	<1	303	<1	63	19	1
1203	1.6	500	<1	16	<1	331	<1	34	15	<1
1204	3.6	330	<1	6	<1	176	<1	37	5	4
1205	1.6	800	<1	22	<1	236	<1	59	24	<1
1206	3.1	360	<1	5	<1	292	<1	39	5	2
1207	4.0	250	<1	13	<1	214	<1	47	11	4
1208	2.7	860	<1	5	<1	128	<1	32	5	2
1209	3.5	310	<1	4	<1	131	<1	41	4	7
1210	3.4	260	<1	7	<1	264	<1	46	7	3
1211	2.5	250	<1	5	<1	122	<1	27	5	1
1212	0.2	450	<1	37	<1	303	<1	29	43	<1
1213	3.7	240	<1	13	<1	96	<1	33	11	2
1214	1.9	830	<1	29	<1	213	<1	50	28	<1
1215	3.2	400	<1	12	<1	336	<1	57	10	2
1216	0.4	70	<1	29	<1	95	<1	11	25	<1
1217	0.2	130	<1	219	<1	123	<1	109	190	<1
1218	0.4	310	<1	126	<1	220	<1	77	114	<1
1219	6.6	230	<1	62	<1	197	<1	65	52	1
1220	7.3	360	<1	9	<1	57	<1	31	8	4
1221	3.6	490	<1	13	<1	206	<1	38	13	1
1222	1.1	480	<1	32	<1	196	<1	70	37	<1
1223	1.8	570	<1	100	<1	251	<1	86	97	2
1224	1.9	660	<1	78	<1	331	<1	89	74	2
1225	0.7	150	<1	121	<1	149	<1	30	75	<1
*Rep 1163	0.1	100	<1	6	<1	23	<1	<5	7	<1
*Rep 1166	0.4	150	<1	74	<1	95	<1	26	54	<1
*Rep 1188	2.2	80	<1	7	<1	245	<1	31	7	1
*Rep 1197	1.7	680	<1	169	<1	272	<1	219	174	2
*Rep 1208	3.5	760	<1	5	<1	114	<1	33	5	5
*Rep 1217	0.2	80	<1	166	<1	115	<1	70	176	<1
*Std MMISRM18	0.6	250	13	4	6	154	<1	<5	5	<1
*Std MMISRM16	0.3	80	25	4	<1	321	<1	9	5	<1
*Bik BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1
*Bik BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1151	300	1	14	<10	189	2210	0.7	19	2	316
1152	800	<1	2	<10	12.3	59	<0.5	13	<1	59
1153	600	<1	1	<10	14.4	14	<0.5	42	<1	39
1154	670	<1	4	<10	39.0	17	<0.5	134	<1	118
1155	640	<1	3	<10	21.3	12	<0.5	23	<1	65
1156	810	<1	7	<10	39.6	13	<0.5	66	<1	192
1157	730	<1	2	<10	18.5	23	<0.5	71	<1	56
1158	480	<1	4	<10	17.5	19	<0.5	42	<1	118
1159	540	<1	6	<10	49.3	19	<0.5	20	<1	157
1160	540	<1	3	<10	27.1	8	<0.5	88	<1	86
1161	50	<1	5	<10	67.9	2270	0.6	7	1	155
1162	140	1	<1	<10	35.1	3950	<0.5	7	1	20
1163	600	<1	2	<10	19.2	131	<0.5	2	<1	56
1164	430	1	17	<10	189	2640	0.6	23	2	432
1165	350	<1	3	<10	41.7	764	<0.5	7	<1	47
1166	500	<1	6	<10	96.3	471	<0.5	11	<1	89
1167	90	3	3	<10	45.2	4620	<0.5	9	<1	51
1168	420	<1	2	<10	19.4	41	<0.5	82	<1	29
1169	760	<1	3	<10	6.4	26	<0.5	21	<1	49
1170	400	<1	4	<10	17.1	57	<0.5	7	<1	106
1171	450	<1	4	<10	46.8	110	<0.5	13	<1	76
1172	440	<1	5	<10	38.9	59	<0.5	12	<1	90
1173	760	<1	5	<10	25.2	29	<0.5	5	<1	102
1174	980	<1	7	<10	48.5	92	<0.5	11	<1	147
1175	490	<1	6	<10	57.9	883	<0.5	12	<1	154
1176	320	<1	21	<10	78.0	1470	0.7	22	1	613
1177	60	<1	4	<10	64.2	1990	0.7	9	<1	96
1178	90	<1	2	<10	15.4	2020	<0.5	5	<1	46
1179	70	<1	1	<10	25.5	2500	<0.5	5	<1	30
1180	60	<1	4	<10	47.9	3880	0.6	6	1	83
1181	280	<1	6	<10	63.4	441	<0.5	15	<1	112
1182	360	<1	12	<10	112	1180	0.6	26	1	215
1183	250	<1	4	<10	32.5	820	<0.5	6	<1	103
1184	180	<1	8	<10	71.6	1430	<0.5	10	<1	152
1185	480	<1	17	<10	93.6	1180	1.4	17	1	477
1186	580	<1	11	<10	43.6	219	<0.5	37	<1	274
1187	160	<1	3	<10	35.7	3010	<0.5	6	<1	118
1188	120	<1	1	<10	45.8	1750	<0.5	6	<1	32
1189	380	<1	13	<10	52.6	389	<0.5	15	<1	383
1190	460	<1	8	<10	78.5	114	<0.5	32	<1	212
1191	110	<1	7	<10	24.9	705	<0.5	6	<1	156
1192	870	<1	3	<10	20.7	18	<0.5	15	<1	54
1193	530	<1	7	<10	15.3	25	<0.5	5	<1	281

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1194	630	<1	4	<10	32.0	92	<0.5	47	<1	138
1195	830	<1	14	<10	118	159	<0.5	67	3	302
1196	180	<1	13	<10	106	2330	<0.5	24	1	246
1197	370	2	28	<10	336	5150	2.2	43	4	570
1198	810	<1	14	<10	203	473	<0.5	40	3	283
1199	550	<1	3	<10	20.9	70	<0.5	140	1	78
1200	540	<1	2	<10	18.6	18	<0.5	14	<1	41
1201	60	2	1	<10	18.4	9750	0.9	6	2	26
1202	30	<1	4	<10	37.8	2950	<0.5	7	<1	106
1203	50	<1	3	<10	28.9	1390	0.8	5	<1	78
1204	40	2	1	<10	28.4	7570	0.6	5	2	30
1205	10	<1	4	<10	34.6	1450	0.5	9	<1	109
1206	40	<1	<1	<10	21.2	3370	0.5	4	<1	29
1207	60	2	2	<10	27.9	7580	0.5	6	1	48
1208	50	<1	1	<10	25.9	3490	<0.5	4	<1	31
1209	30	2	<1	<10	20.0	12500	0.5	5	3	32
1210	30	1	1	<10	27.6	5150	<0.5	6	1	45
1211	70	<1	1	<10	25.3	2550	<0.5	4	<1	34
1212	690	<1	10	<10	22.4	101	<0.5	5	<1	372
1213	50	<1	2	<10	21.7	2110	0.6	4	<1	51
1214	40	<1	5	<10	31.4	1060	0.6	6	<1	119
1215	60	1	2	<10	52.1	5050	0.9	7	1	55
1216	710	<1	3	<10	29.4	75	<0.5	9	<1	61
1217	1510	<1	30	<10	126	350	<0.5	25	<1	826
1218	390	<1	18	<10	78.1	240	<0.5	21	<1	451
1219	30	1	7	<10	72.8	2500	0.5	9	1	136
1220	50	<1	1	<10	34.4	3700	<0.5	6	<1	30
1221	80	<1	3	<10	38.7	2680	<0.5	4	<1	86
1222	30	<1	7	<10	25.7	1990	<0.5	7	<1	182
1223	180	<1	16	<10	38.5	4030	0.7	7	2	428
1224	190	<1	12	<10	56.5	4280	0.9	9	1	355
1225	380	<1	8	<10	56.4	565	<0.5	18	<1	155
*Rep 1163	440	<1	1	<10	11.5	68	<0.5	1	<1	38
*Rep 1166	560	<1	3	<10	82.1	338	<0.5	10	<1	78
*Rep 1188	110	<1	1	<10	36.9	2030	<0.5	6	<1	34
*Rep 1197	420	2	28	<10	282	4910	2.1	42	4	645
*Rep 1208	80	1	1	<10	22.6	5800	0.5	4	1	30
*Rep 1217	1320	<1	23	<10	98.3	15	<0.5	23	<1	893
*Std MMISRM18	1210	<1	<1	<10	15.4	8	<0.5	23	<1	17
*Std MMISRM16	470	<1	<1	<10	21.2	14	<0.5	46	<1	11
*Bik BLANK	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	5
*Bik BLANK	<10	<1	<1	<10	<0.5	20	<0.5	<1	<1	<5

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Final : TO110552 Revision ~REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1151	29	1530	267
1152	7	180	19
1153	4	120	10
1154	12	810	29
1155	4	80	11
1156	17	430	27
1157	6	270	17
1158	8	150	14
1159	15	60	32
1160	8	310	13
1161	18	210	131
1162	2	240	72
1163	6	220	38
1164	46	830	347
1165	4	440	45
1166	12	60	91
1167	5	140	61
1168	3	<20	20
1169	5	80	11
1170	7	130	14
1171	7	<20	38
1172	7	150	21
1173	10	100	27
1174	14	600	33
1175	12	1120	53
1176	41	960	66
1177	10	260	94
1178	7	160	33
1179	5	320	55
1180	9	210	100
1181	10	650	58
1182	30	720	142
1183	9	850	33
1184	13	1070	86
1185	47	1870	146
1186	26	460	44
1187	13	240	80
1188	4	60	84
1189	23	380	42
1190	19	230	69
1191	11	60	30
1192	7	20	18
1193	25	110	<5

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Final : TO110552 Revision ~REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1194	15	300	31
1195	28	50	68
1196	19	70	133
1197	78	800	590
1198	27	30	176
1199	9	180	15
1200	3	100	11
1201	3	370	114
1202	9	360	92
1203	6	1050	57
1204	4	290	103
1205	10	380	58
1206	4	250	67
1207	4	500	105
1208	3	970	69
1209	4	230	111
1210	5	210	90
1211	5	680	61
1212	28	1350	13
1213	5	490	51
1214	13	300	48
1215	7	610	148
1216	5	310	22
1217	72	650	43
1218	34	270	64
1219	11	80	131
1220	3	290	63
1221	7	590	85
1222	17	130	56
1223	25	120	99
1224	22	400	139
1225	13	110	52
*Rep 1163	4	150	27
*Rep 1166	8	40	64
*Rep 1188	4	100	72
*Rep 1197	86	890	503
*Rep 1208	3	890	81
*Rep 1217	71	810	31
*Std MMISRM18	<1	610	21
*Std MMISRM16	<1	220	19
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110551

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 15, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 75
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
1076	5	49	<10	0.3	3220	<1	320	4	351	27
1077	6	170	10	0.2	2090	<1	180	16	593	34
1078	7	100	<10	0.2	2010	<1	330	11	690	25
1079	3	236	<10	0.1	4070	<1	80	11	511	73
1080	7	117	<10	<0.1	1370	<1	350	17	234	22
1081	7	6	10	0.2	3230	<1	270	1	1720	45
1082	5	46	<10	<0.1	1920	<1	240	5	963	90
1083	2	111	<10	<0.1	290	<1	180	7	224	75
1084	1	256	20	<0.1	810	1	50	10	302	29
1085	4	273	10	0.1	3950	<1	70	14	1870	68
1086	4	279	<10	<0.1	1330	<1	<10	7	65	36
1087	3	254	<10	<0.1	710	<1	<10	10	26	16
1088	7	260	<10	<0.1	910	<1	<10	8	122	17
1089	11	12	<10	0.3	1890	<1	270	3	37	161
1090	3	102	<10	0.1	3240	<1	240	5	1550	79
1091	<1	>300	10	0.2	1910	<1	<10	22	83	35
1092	7	12	<10	0.9	4230	<1	300	3	54	69
1093	5	6	<10	<0.1	3500	<1	210	3	62	51
1094	7	69	<10	0.1	3030	<1	340	7	87	14
1095	3	34	<10	0.2	5290	<1	400	4	69	32
1096	3	8	<10	0.2	1800	<1	210	1	29	20
1097	10	7	<10	0.2	2820	<1	290	3	14	7
1098	17	69	<10	0.1	2140	<1	520	45	166	96
1099	4	13	<10	0.1	2910	<1	320	5	39	113
1100	4	12	<10	0.2	2810	<1	260	2	38	7
1101	8	40	<10	<0.1	2360	<1	490	11	294	66
1102	10	47	<10	0.1	1940	<1	440	7	193	120
1103	8	140	<10	0.1	3670	<1	350	10	569	81
1104	12	18	<10	0.2	2410	<1	370	5	52	264
1105	18	73	<10	0.1	3040	<1	380	15	408	90
1106	4	15	<10	0.1	1990	<1	330	2	20	72
1107	15	43	<10	<0.1	1690	<1	910	10	26	9
1108	1	280	<10	<0.1	1330	<1	<10	8	34	24
1109	3	43	<10	0.3	2140	<1	410	2	162	<5
1110	9	119	<10	0.1	2570	<1	370	9	362	53
1111	9	60	<10	<0.1	1390	<1	470	32	269	33
1112	35	67	<10	0.1	2310	<1	370	34	320	172
1113	2	71	<10	<0.1	2670	<1	190	1	18	67
1114	9	52	<10	0.2	1720	<1	470	8	159	15
1115	2	279	<10	<0.1	5110	<1	40	37	322	95
1116	2	162	<10	<0.1	4070	<1	200	18	376	79
1117	12	27	<10	0.3	3650	<1	400	5	53	18
1118	3	242	<10	<0.1	3470	<1	60	17	291	59

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1119	3	3	<10	0.3	1310	<1	150	2	100	<5
1120	3	8	<10	0.5	2150	<1	250	1	17	<5
1121	11	93	20	0.3	4880	<1	310	12	2400	205
1122	2	14	40	<0.1	340	<1	160	3	554	24
1123	5	13	<10	0.2	2610	<1	330	<1	28	22
1124	4	23	<10	0.1	3180	<1	320	3	90	9
1125	5	29	<10	0.3	2180	<1	410	7	842	166
1126	12	137	<10	<0.1	1650	<1	380	33	323	29
1127	1	259	<10	<0.1	1890	<1	30	16	100	62
1128	2	61	<10	<0.1	1090	<1	340	9	165	12
1129	2	246	<10	<0.1	710	<1	20	45	124	70
1130	5	52	<10	0.2	940	<1	340	9	430	131
1131	7	16	20	0.5	2140	<1	280	3	361	20
1132	10	42	<10	0.4	1100	<1	350	15	153	52
1133	5	64	<10	0.2	1560	<1	310	7	470	188
1134	13	41	<10	0.3	3430	<1	410	11	898	58
1135	3	49	<10	0.2	1630	<1	410	11	503	61
1136	9	20	<10	0.2	3490	<1	370	6	222	32
1137	9	66	<10	0.2	6130	<1	480	10	231	47
1138	12	19	<10	0.2	2920	<1	310	4	305	36
1139	19	25	<10	0.2	9170	<1	510	11	91	52
1140	13	48	<10	0.2	10100	<1	490	9	904	40
1141	13	28	<10	0.4	8440	<1	400	10	199	47
1142	8	63	<10	0.2	7530	<1	390	15	1470	62
1143	14	89	<10	0.3	7210	<1	470	10	467	77
1144	10	33	<10	0.1	8300	<1	420	8	573	54
1145	6	15	<10	0.2	5050	<1	380	6	23	152
1146	12	26	<10	0.2	6840	<1	450	6	288	57
1147	10	37	<10	0.4	6070	<1	440	4	392	57
1148	11	33	<10	0.7	8100	<1	520	10	333	134
1149	8	66	<10	0.1	5420	<1	460	33	434	39
1150	6	45	<10	0.3	6380	<1	480	7	779	88
*Rep 1079	2	245	<10	<0.1	4800	<1	80	10	440	90
*Rep 1089	12	23	<10	0.2	2010	<1	270	5	50	171
*Rep 1114	10	58	<10	0.1	1860	<1	460	6	133	27
*Rep 1122	2	15	40	<0.1	320	<1	180	2	555	20
*Rep 1132	10	40	<10	0.2	1160	<1	400	15	174	29
*Rep 1141	10	26	<10	0.4	9880	<1	450	7	345	43
*Std MMISRM18	27	22	10	8.7	180	<1	180	81	38	56
*Std MMISRM16	14	41	10	24.9	70	<1	200	4	53	50
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1076	<100	0.8	760	56	31.1	15.5	12	3	73	<1
1077	<100	3.5	230	46	22.2	15.6	69	11	63	<1
1078	<100	1.3	830	40	20.3	13.4	19	5	59	<1
1079	<100	2.8	320	61	29.2	15.8	79	10	68	<1
1080	<100	<0.5	1520	14	8.2	4.5	14	2	21	<1
1081	<100	1.5	2050	29	14.3	13.3	47	7	50	<1
1082	<100	2.9	560	22	10.1	10.6	43	7	38	<1
1083	<100	4.9	1070	14	8.4	3.8	280	4	18	<1
1084	400	11.7	180	15	7.5	5.3	129	47	20	<1
1085	200	5.6	370	90	41.1	32.5	75	19	124	<1
1086	<100	3.7	130	11	7.0	0.9	148	19	7	<1
1087	<100	2.6	110	<1	1.5	<0.5	132	11	2	<1
1088	<100	5.3	170	20	12.1	4.2	67	27	21	<1
1089	<100	<0.5	900	7	4.5	1.4	3	<1	12	<1
1090	<100	1.4	380	46	22.1	19.3	85	10	72	<1
1091	<100	2.3	150	8	5.6	1.0	74	9	6	<1
1092	<100	<0.5	1330	13	8.6	2.6	2	<1	18	<1
1093	<100	<0.5	1100	3	1.8	1.4	3	<1	8	<1
1094	<100	1.0	1040	24	12.3	8.5	6	1	38	<1
1095	<100	0.8	580	16	8.1	4.2	11	1	23	<1
1096	<100	<0.5	490	4	2.2	0.8	2	<1	7	<1
1097	<100	<0.5	1380	9	5.3	2.3	1	<1	14	1
1098	<100	0.9	11700	21	15.7	4.3	17	2	24	<1
1099	<100	<0.5	660	5	3.6	1.1	3	<1	9	<1
1100	<100	<0.5	530	6	4.4	1.1	2	<1	10	<1
1101	<100	1.0	1240	23	13.4	7.8	18	2	37	<1
1102	<100	0.6	900	12	6.5	3.8	17	1	18	<1
1103	<100	4.2	1200	39	23.4	10.6	60	6	47	<1
1104	<100	<0.5	1100	9	6.6	1.7	5	<1	13	<1
1105	<100	1.5	2560	19	11.6	5.8	24	3	27	<1
1106	<100	<0.5	550	4	2.3	0.8	2	<1	8	<1
1107	<100	<0.5	380	3	2.1	0.7	<1	<1	7	<1
1108	<100	2.8	120	2	2.7	<0.5	102	7	2	<1
1109	<100	<0.5	300	17	7.0	6.7	9	2	30	<1
1110	<100	2.3	590	27	13.9	6.5	26	2	31	<1
1111	<100	0.6	580	6	3.4	2.5	7	1	13	<1
1112	<100	0.8	1350	12	6.5	4.3	9	2	20	<1
1113	<100	1.7	1640	<1	1.1	<0.5	191	<1	1	<1
1114	<100	0.9	380	7	3.3	2.8	9	1	14	<1
1115	<100	6.6	240	37	17.4	8.1	87	8	36	<1
1116	<100	7.9	200	21	10.7	7.2	54	5	29	<1
1117	<100	0.8	440	10	6.0	2.7	6	<1	15	<1
1118	<100	6.2	150	119	59.1	17.4	38	5	85	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1119	<100	2.4	700	19	8.7	8.6	3	1	38	<1
1120	<100	0.6	290	5	2.8	2.4	2	<1	13	<1
1121	200	2.0	900	60	29.8	25.7	88	13	90	<1
1122	100	1.9	1410	17	8.0	8.2	55	4	31	<1
1123	<100	<0.5	410	14	7.5	3.8	3	<1	22	<1
1124	<100	0.9	330	8	3.6	3.3	4	<1	17	<1
1125	100	<0.5	4090	34	19.9	12.5	36	24	62	<1
1126	<100	1.8	430	25	15.5	5.9	10	2	30	<1
1127	<100	5.2	210	5	4.7	1.0	108	8	7	<1
1128	<100	2.1	270	3	1.9	1.5	22	3	8	<1
1129	<100	3.4	400	10	7.8	1.9	90	17	11	<1
1130	<100	<0.5	1120	18	9.8	6.4	29	11	32	2
1131	<100	<0.5	4240	27	16.4	7.8	45	23	43	<1
1132	<100	<0.5	4700	14	8.3	3.8	24	12	22	<1
1133	<100	1.2	1370	14	8.5	5.3	40	17	27	<1
1134	<100	1.7	5850	40	22.8	12.6	50	39	66	<1
1135	<100	1.5	3680	22	14.8	6.7	63	18	36	<1
1136	<100	1.2	5000	19	12.5	4.9	41	38	29	<1
1137	<100	2.8	10100	19	12.7	4.9	27	26	26	<1
1138	<100	1.3	5340	26	15.8	7.6	60	32	38	<1
1139	<100	1.1	9580	16	10.4	3.4	28	35	20	<1
1140	<100	5.1	5440	29	16.2	9.7	89	43	48	<1
1141	<100	1.9	5790	18	11.7	4.9	38	34	27	<1
1142	100	2.9	2710	38	21.0	13.5	81	33	62	<1
1143	100	2.7	5140	24	14.9	7.0	48	31	35	<1
1144	<100	1.5	2390	20	11.1	6.9	40	33	31	<1
1145	<100	<0.5	1940	6	4.2	1.3	5	19	8	<1
1146	<100	1.1	6670	22	14.1	6.3	51	28	32	<1
1147	<100	1.4	4860	21	13.3	6.6	56	26	32	<1
1148	<100	0.9	3890	21	12.7	6.1	24	31	30	<1
1149	<100	2.6	4340	30	19.3	8.3	55	22	39	<1
1150	<100	1.3	3740	27	16.1	9.2	89	26	42	<1
*Rep 1079	<100	3.0	430	55	26.6	12.5	90	9	56	<1
*Rep 1089	<100	0.7	970	9	5.3	2.4	4	1	13	<1
*Rep 1114	<100	1.0	340	9	5.2	3.0	9	1	16	1
*Rep 1122	100	1.7	1450	17	7.9	8.0	66	4	30	<1
*Rep 1132	<100	<0.5	6710	15	10.5	4.3	37	13	23	<1
*Rep 1141	<100	1.7	5790	22	13.3	6.8	49	39	34	<1
*Std MMISRM18	<100	7.2	670	2	0.8	<0.5	2	<1	5	3
*Std MMISRM16	<100	11.7	570	3	0.6	<0.5	2	<1	7	17
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	0.5	2	1	1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1076	<0.5	16.3	220	<5	126	860	<5	0.7	325	59
1077	<0.5	21.6	342	<5	44	1090	<5	10.2	363	61
1078	<0.5	13.1	333	<5	68	460	<5	2.1	366	75
1079	<0.5	20.7	251	6	32	2070	<5	5.3	361	113
1080	<0.5	13.0	133	39	54	550	<5	1.5	134	194
1081	<0.5	15.0	665	10	38	7920	<5	5.4	573	24
1082	<0.5	7.6	337	<5	45	6880	<5	5.9	347	58
1083	<0.5	5.9	101	<5	32	490	<5	5.8	110	249
1084	<0.5	6.0	129	10	9	860	<5	33.2	128	110
1085	<0.5	19.9	823	<5	14	2830	<5	10.8	840	87
1086	<0.5	16.2	24	<5	5	670	<5	9.7	25	83
1087	<0.5	11.3	12	<5	<1	60	<5	6.3	9	24
1088	<0.5	9.7	48	<5	1	290	<5	12.3	77	19
1089	<0.5	13.9	17	35	101	9870	<5	<0.5	30	106
1090	<0.5	5.9	650	<5	61	3050	<5	7.9	608	82
1091	<0.5	8.6	33	<5	3	170	<5	4.8	30	46
1092	<0.5	23.6	15	50	126	5870	17	<0.5	35	101
1093	<0.5	15.6	24	32	55	810	11	<0.5	41	56
1094	<0.5	8.9	131	<5	93	620	<5	0.7	195	52
1095	<0.5	11.7	53	<5	79	2730	<5	0.6	92	47
1096	<0.5	12.5	11	36	60	2210	<5	<0.5	23	29
1097	<0.5	19.6	11	42	114	270	<5	<0.5	30	66
1098	<0.5	22.2	94	39	123	1600	88	4.0	111	702
1099	<0.5	19.3	12	53	120	3860	39	<0.5	24	61
1100	<0.5	20.8	11	55	131	2020	13	<0.5	22	35
1101	<0.5	16.7	163	<5	137	660	<5	0.8	211	142
1102	<0.5	16.4	90	<5	110	9590	<5	1.4	116	142
1103	<0.5	15.6	333	8	77	4230	<5	2.8	314	94
1104	<0.5	18.7	21	40	128	8200	5	<0.5	36	80
1105	<0.5	19.2	146	14	86	6050	24	4.0	175	194
1106	<0.5	10.5	13	14	100	3110	5	<0.5	23	46
1107	<0.5	7.3	5	39	223	890	<5	<0.5	13	187
1108	<0.5	12.3	15	6	4	80	<5	2.7	11	42
1109	<0.5	17.8	130	<5	103	240	<5	<0.5	168	27
1110	<0.5	16.7	134	<5	104	9440	<5	0.6	155	276
1111	<0.5	15.3	54	12	104	4660	7	0.7	77	299
1112	<0.5	15.6	120	8	85	42800	6	0.7	138	427
1113	<0.5	17.5	7	8	73	7400	<5	1.5	6	234
1114	<0.5	16.3	59	<5	94	560	<5	<0.5	80	116
1115	<0.5	19.3	95	12	21	2860	<5	4.6	161	98
1116	<0.5	19.0	157	8	42	1370	<5	3.7	175	88
1117	<0.5	15.1	32	12	103	1950	<5	<0.5	56	102
1118	<0.5	21.4	71	<5	19	600	<5	<0.5	272	85

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1119	<0.5	7.0	103	<5	51	320	<5	<0.5	189	38
1120	<0.5	13.3	33	9	68	160	<5	<0.5	57	23
1121	<0.5	20.2	920	13	74	5950	<5	10.2	782	92
1122	<0.5	7.1	261	19	17	2150	<5	3.6	237	105
1123	<0.5	12.2	41	18	90	280	<5	<0.5	72	33
1124	<0.5	5.4	47	<5	74	370	<5	<0.5	76	38
1125	<0.5	17.9	327	6	105	5510	10	3.7	413	149
1126	<0.5	14.5	108	<5	58	2620	<5	0.9	134	222
1127	<0.5	14.9	39	6	12	110	<5	5.0	37	147
1128	<0.5	11.8	52	<5	43	530	<5	1.7	62	64
1129	<0.5	12.6	68	<5	5	200	<5	1.4	63	121
1130	<0.5	13.7	178	<5	67	7030	<5	<0.5	211	97
1131	<0.5	27.7	133	15	56	3560	26	3.8	222	59
1132	<0.5	28.2	75	33	62	3050	54	<0.5	110	213
1133	<0.5	15.9	152	<5	55	18800	7	1.4	189	60
1134	<0.5	16.9	377	21	53	1320	12	5.3	426	113
1135	<0.5	17.4	213	27	43	2270	<5	2.8	238	141
1136	<0.5	29.9	90	35	59	810	36	0.5	147	131
1137	<0.5	21.1	117	25	62	1740	49	3.9	128	171
1138	<0.5	18.0	114	16	43	2040	6	1.4	195	74
1139	<0.5	19.5	27	29	77	1220	30	1.9	70	131
1140	<0.5	26.8	344	44	54	2250	13	8.3	344	162
1141	<0.5	27.3	72	28	64	1760	63	2.7	124	105
1142	<0.5	24.4	449	20	47	2880	17	7.5	446	122
1143	<0.5	25.0	222	23	67	1910	88	7.7	216	280
1144	<0.5	21.6	195	13	57	5170	20	4.3	221	75
1145	<0.5	18.7	<1	37	90	10900	<5	<0.5	21	70
1146	<0.5	23.8	114	29	38	3940	20	3.2	170	71
1147	<0.5	21.0	182	15	62	2010	41	3.9	199	79
1148	<0.5	19.2	117	12	95	3820	<5	2.2	164	80
1149	<0.5	27.6	212	25	57	1280	11	4.6	219	193
1150	<0.5	20.4	284	17	70	3270	<5	6.4	292	146
*Rep 1079	<0.5	20.8	223	6	32	2130	<5	5.8	285	103
*Rep 1089	0.6	13.7	22	34	100	9770	<5	0.9	37	112
*Rep 1114	<0.5	17.0	55	<5	95	1300	<5	0.6	74	104
*Rep 1122	<0.5	6.2	268	21	18	1580	<5	2.8	238	100
*Rep 1132	<0.5	30.9	88	40	77	3240	68	0.8	133	293
*Rep 1141	<0.5	28.4	126	25	61	1040	81	3.0	188	110
*Std MMISRM18	<0.5	25.2	13	<5	96	540	31	<0.5	23	428
*Std MMISRM16	<0.5	34.9	31	<5	31	170	44	<0.5	40	194
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1076	0.2	70	<1	72	<1	80	<1	23	69	<1
1077	1.8	270	<1	89	<1	191	<1	44	72	<1
1078	0.4	90	<1	90	<1	182	<1	29	67	<1
1079	0.8	290	<1	84	<1	174	<1	40	73	<1
1080	0.3	80	<1	34	<1	29	<1	13	24	<1
1081	0.3	110	<1	157	<1	79	<1	6	78	<1
1082	0.9	90	<1	91	<1	159	<1	15	55	<1
1083	0.5	140	<1	27	<1	82	<1	50	20	<1
1084	13.3	210	<1	33	<1	101	<1	59	25	4
1085	2.9	270	<1	213	<1	211	<1	76	156	<1
1086	3.3	230	<1	6	<1	171	<1	26	6	<1
1087	2.1	280	<1	2	<1	107	<1	16	1	<1
1088	1.2	250	<1	16	<1	136	<1	44	18	2
1089	<0.1	80	<1	6	<1	22	<1	<5	8	<1
1090	1.0	90	<1	163	<1	157	<1	46	98	<1
1091	1.8	390	<1	7	<1	106	<1	25	7	<1
1092	0.1	200	<1	6	<1	50	<1	<5	11	<1
1093	0.1	100	<1	9	<1	136	<1	<5	9	<1
1094	0.2	70	<1	44	<1	110	<1	13	41	<1
1095	0.1	20	<1	19	<1	156	<1	15	20	<1
1096	<0.1	30	<1	4	<1	26	<1	<5	6	<1
1097	<0.1	50	<1	5	<1	238	<1	<5	11	<1
1098	0.2	920	<1	26	<1	91	2	11	22	<1
1099	<0.1	40	<1	4	<1	28	<1	<5	6	<1
1100	<0.1	50	<1	4	<1	161	<1	<5	7	<1
1101	0.2	40	<1	49	<1	82	<1	9	40	<1
1102	0.2	40	<1	27	<1	81	<1	7	21	<1
1103	0.5	130	<1	84	<1	157	<1	33	55	<1
1104	<0.1	90	<1	7	<1	31	<1	<5	9	<1
1105	0.4	350	<1	44	<1	154	<1	16	32	<1
1106	<0.1	20	<1	4	<1	81	<1	<5	6	<1
1107	0.1	<10	<1	2	<1	7	<1	<5	5	<1
1108	1.6	100	<1	3	<1	115	<1	11	2	<1
1109	0.2	20	<1	38	<1	28	<1	10	33	<1
1110	0.2	90	<1	38	<1	163	<1	28	32	<1
1111	0.3	50	<1	18	<1	60	<1	<5	16	<1
1112	0.2	10	<1	35	<1	161	<1	8	25	<1
1113	0.5	<10	<1	1	<1	188	<1	7	<1	<1
1114	0.1	10	<1	19	<1	152	<1	<5	16	<1
1115	0.8	360	<1	35	<1	307	<1	29	36	<1
1116	1.0	220	<1	43	<1	184	<1	21	35	<1
1117	0.2	30	<1	11	<1	161	<1	9	13	<1
1118	0.2	350	<1	50	<1	246	<1	30	71	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1119	0.2	<10	<1	37	<1	55	<1	10	39	<1
1120	0.1	<10	<1	11	<1	133	<1	5	12	<1
1121	1.1	120	<1	209	<1	190	<1	63	122	<1
1122	1.2	20	<1	62	<1	68	<1	18	40	<1
1123	<0.1	20	<1	14	<1	66	<1	7	16	<1
1124	0.1	<10	<1	16	<1	101	<1	<5	17	<1
1125	0.2	460	<1	101	<1	49	2	13	66	<1
1126	0.3	90	<1	32	<1	158	<1	21	28	<1
1127	1.0	60	<1	9	<1	202	<1	16	6	<1
1128	0.3	20	<1	15	<1	168	<1	<5	10	<1
1129	1.6	110	<1	16	<1	124	<1	13	12	<1
1130	0.1	90	<1	51	<1	43	<1	9	35	<1
1131	0.3	920	2	49	<1	26	4	8	42	<1
1132	0.1	450	<1	25	<1	38	2	7	22	<1
1133	0.2	130	<1	47	<1	92	<1	12	31	<1
1134	0.3	830	1	108	<1	167	2	22	70	<1
1135	<0.1	650	<1	60	<1	109	<1	18	39	<1
1136	0.1	870	<1	32	<1	109	1	6	28	<1
1137	0.4	760	<1	26	<1	166	2	19	23	<1
1138	0.2	810	1	43	<1	109	2	8	37	<1
1139	0.2	750	<1	12	<1	69	2	10	15	<1
1140	0.4	510	<1	76	<1	174	2	31	52	<1
1141	0.3	850	<1	24	<1	172	2	16	24	<1
1142	0.6	410	1	102	<1	203	1	45	67	<1
1143	0.6	1030	<1	49	<1	184	3	36	36	<1
1144	0.3	290	<1	48	<1	85	<1	21	35	<1
1145	<0.1	70	<1	3	<1	26	<1	<5	6	<1
1146	0.2	500	<1	33	<1	77	2	15	30	<1
1147	0.3	470	<1	42	<1	173	2	17	32	<1
1148	0.3	210	<1	33	<1	90	<1	15	29	<1
1149	0.5	700	<1	47	<1	162	<1	32	37	<1
1150	0.2	470	<1	65	<1	143	1	28	46	<1
*Rep 1079	0.9	260	<1	68	<1	176	<1	38	59	<1
*Rep 1089	0.1	100	<1	8	<1	23	<1	<5	10	<1
*Rep 1114	0.1	20	<1	17	<1	153	<1	7	15	<1
*Rep 1122	1.0	20	<1	63	<1	61	<1	19	40	<1
*Rep 1132	0.2	690	<1	30	<1	43	3	12	24	<1
*Rep 1141	0.4	840	<1	37	<1	175	3	17	33	<1
*Std MMISRM18	0.6	250	15	5	6	161	<1	<5	5	<1
*Std MMISRM16	0.2	100	22	9	<1	306	<1	7	9	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1076	1330	<1	11	<10	69.9	17	<0.5	15	<1	239
1077	350	1	9	<10	65.7	1830	0.6	10	<1	223
1078	520	<1	8	<10	56.2	182	0.7	52	<1	193
1079	350	<1	12	<10	60.6	909	<0.5	7	<1	337
1080	360	<1	3	<10	25.8	44	<0.5	83	<1	85
1081	530	<1	7	<10	144	121	1.2	2	<1	140
1082	290	<1	5	<10	92.4	660	0.7	16	<1	92
1083	250	<1	3	<10	45.1	669	0.5	55	<1	75
1084	120	2	3	<10	60.4	5170	<0.5	9	<1	61
1085	180	<1	19	<10	172	1750	1.0	14	1	436
1086	70	<1	1	<10	26.0	2320	<0.5	4	<1	49
1087	20	<1	<1	<10	13.2	1350	<0.5	3	<1	<5
1088	20	<1	3	<10	17.7	4320	0.7	5	<1	121
1089	610	<1	1	<10	8.4	23	<0.5	4	<1	43
1090	420	<1	11	<10	98.4	1060	0.7	17	<1	214
1091	50	<1	<1	<10	35.1	1020	0.5	4	<1	33
1092	690	<1	2	<10	8.9	24	<0.5	<1	<1	64
1093	400	<1	<1	<10	7.6	30	<0.5	184	<1	17
1094	530	<1	5	<10	49.4	15	<0.5	10	<1	109
1095	850	<1	3	<10	30.7	17	<0.5	20	<1	69
1096	640	<1	<1	<10	5.0	4	<0.5	2	<1	21
1097	500	<1	2	<10	3.4	7	<0.5	4	<1	53
1098	620	<1	4	<10	24.6	31	<0.5	367	1	141
1099	700	<1	<1	<10	4.4	15	<0.5	7	<1	29
1100	520	<1	<1	<10	4.7	14	<0.5	10	<1	31
1101	970	<1	5	<10	32.2	22	<0.5	43	<1	111
1102	730	<1	2	<10	34.9	19	<0.5	21	<1	54
1103	590	<1	7	<10	92.2	254	1.2	38	<1	206
1104	910	<1	1	<10	13.4	27	<0.5	5	<1	49
1105	790	<1	4	<10	68.1	149	0.6	145	<1	89
1106	530	<1	<1	<10	4.5	4	<0.5	18	<1	19
1107	1310	<1	<1	<10	5.6	5	<0.5	25	<1	18
1108	60	<1	<1	<10	9.0	560	<0.5	2	<1	8
1109	950	<1	4	<10	31.4	25	<0.5	7	<1	73
1110	560	<1	5	<10	29.8	17	0.9	30	<1	145
1111	500	<1	1	<10	19.4	11	<0.5	109	<1	33
1112	500	<1	3	<10	44.4	16	1.4	66	<1	63
1113	490	<1	<1	<10	10.9	116	0.5	4	<1	<5
1114	620	<1	2	<10	25.1	7	<0.5	14	<1	35
1115	210	<1	7	<10	38.4	801	0.6	5	<1	171
1116	340	<1	4	<10	49.0	475	<0.5	6	<1	98
1117	620	<1	2	<10	18.7	41	<0.5	15	<1	38
1118	350	<1	18	<10	15.2	88	0.9	8	<1	610

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1119	220	<1	4	<10	6.3	28	1.0	<1	<1	126
1120	340	<1	1	<10	4.4	8	<0.5	2	<1	33
1121	530	<1	14	<10	158	971	0.9	8	1	272
1122	160	<1	4	<10	29.3	607	1.2	8	<1	92
1123	790	<1	2	<10	6.2	11	<0.5	4	<1	74
1124	570	<1	2	<10	9.2	14	<0.5	8	<1	41
1125	1110	<1	7	<10	137	43	<0.5	34	1	159
1126	420	<1	4	<10	27.5	53	0.7	66	<1	132
1127	150	<1	<1	<10	17.3	1070	<0.5	3	<1	29
1128	360	<1	<1	<10	23.2	202	<0.5	15	<1	18
1129	80	<1	1	<10	16.2	505	<0.5	4	<1	45
1130	480	<1	4	<10	66.2	29	<0.5	13	<1	90
1131	570	<1	5	<10	130	323	<0.5	23	1	128
1132	520	<1	3	<10	47.3	26	<0.5	199	<1	69
1133	630	<1	3	<10	93.0	148	<0.5	38	<1	69
1134	990	<1	8	<10	185	439	<0.5	61	2	189
1135	1170	<1	4	<10	80.1	102	<0.5	30	<1	121
1136	1720	<1	4	<10	70.3	57	<0.5	30	2	96
1137	1160	<1	3	<10	71.4	445	<0.5	54	1	113
1138	830	<1	5	<10	109	177	<0.5	18	<1	131
1139	1460	<1	2	<10	54.8	164	<0.5	82	2	83
1140	1090	<1	5	<10	131	688	<0.5	78	5	164
1141	800	<1	3	<10	77.3	360	<0.5	35	2	97
1142	810	<1	7	<10	165	853	<0.5	48	2	194
1143	590	<1	4	<10	99.3	739	<0.5	93	2	131
1144	920	<1	4	<10	130	371	<0.5	44	1	92
1145	750	<1	<1	<10	12.1	52	<0.5	18	<1	34
1146	800	<1	4	<10	102	389	<0.5	31	2	123
1147	600	<1	3	<10	105	355	<0.5	29	2	120
1148	1120	<1	3	<10	82.7	198	<0.5	53	<1	100
1149	1370	<1	5	<10	96.7	214	<0.5	239	<1	169
1150	910	<1	5	<10	143	418	<0.5	36	1	147
*Rep 1079	340	<1	10	<10	66.4	1010	<0.5	7	<1	296
*Rep 1089	600	<1	2	<10	13.5	25	0.8	6	<1	45
*Rep 1114	650	<1	2	<10	33.3	33	<0.5	15	<1	45
*Rep 1122	170	<1	4	<10	27.8	567	1.2	8	<1	92
*Rep 1132	660	<1	3	<10	48.0	20	<0.5	180	<1	87
*Rep 1141	1080	<1	4	<10	90.6	360	<0.5	39	2	119
*Std MMISRM18	1220	<1	<1	<10	15.5	5	<0.5	22	<1	11
*Std MMISRM16	450	<1	<1	<10	24.8	<3	<0.5	53	<1	9
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5

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Final : TO110551 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1076	24	130	33
1077	16	360	89
1078	15	150	56
1079	20	610	76
1080	7	100	26
1081	13	<20	97
1082	8	100	66
1083	7	220	48
1084	6	330	78
1085	31	650	184
1086	5	330	58
1087	2	80	33
1088	9	130	65
1089	4	50	12
1090	18	1180	120
1091	5	160	54
1092	8	160	8
1093	2	<20	12
1094	10	80	38
1095	7	70	21
1096	2	50	8
1097	4	50	6
1098	14	210	21
1099	3	50	6
1100	4	50	5
1101	10	40	15
1102	6	30	21
1103	19	360	121
1104	5	130	13
1105	10	200	49
1106	2	140	5
1107	2	<20	<5
1108	3	160	16
1109	5	<20	16
1110	10	<20	22
1111	3	460	8
1112	6	80	42
1113	2	<20	14
1114	3	<20	14
1115	12	690	55
1116	8	2590	43
1117	5	20	16
1118	36	30	9

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Final : TO110551 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1119	6	50	9
1120	2	<20	8
1121	24	370	153
1122	6	30	30
1123	6	50	12
1124	3	130	12
1125	18	90	93
1126	12	400	36
1127	4	630	29
1128	2	1220	18
1129	6	300	21
1130	9	110	41
1131	16	50	183
1132	8	130	28
1133	8	260	56
1134	21	360	157
1135	14	810	43
1136	13	70	46
1137	11	120	61
1138	15	40	105
1139	10	170	41
1140	16	90	89
1141	11	90	77
1142	20	230	133
1143	13	190	94
1144	10	70	100
1145	4	100	12
1146	13	80	76
1147	12	160	90
1148	11	110	70
1149	17	280	56
1150	15	70	86
*Rep 1079	19	730	85
*Rep 1089	5	60	14
*Rep 1114	4	<20	21
*Rep 1122	6	30	30
*Rep 1132	11	110	25
*Rep 1141	12	100	73
*Std MMISRM18	<1	590	22
*Std MMISRM16	<1	230	18
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110554

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 15, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 73
Date Submitted : Jun 18, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
1301	4	29	<10	0.2	1070	<1	370	7	1080	174
1302	4	10	<10	0.2	1440	<1	260	4	83	46
1303	2	39	20	0.3	3120	<1	350	3	1980	145
1304	10	14	10	0.1	2710	<1	340	4	99	87
1305	8	55	10	0.2	3920	<1	390	4	697	28
1306	5	35	10	0.4	5210	<1	390	7	309	39
1307	4	41	<10	<0.1	1990	<1	400	8	47	35
1308	1	172	<10	<0.1	950	<1	180	2	17	31
1309	9	54	<10	0.3	1630	<1	510	13	231	156
1310	4	34	<10	0.2	2110	<1	360	5	794	196
1311	1	111	20	0.1	5130	<1	250	7	1060	154
1312	2	>300	10	<0.1	3420	<1	40	5	706	352
1313	7	38	<10	0.4	4290	<1	480	25	169	51
1314	4	45	10	0.2	2670	<1	390	2	909	66
1315	<1	225	20	<0.1	710	<1	30	3	80	36
1316	3	95	20	0.3	1610	<1	290	8	1420	195
1317	<1	258	<10	<0.1	450	<1	10	6	124	79
1318	4	41	<10	0.2	1650	<1	360	3	236	13
1319	<1	245	<10	<0.1	920	<1	80	14	177	32
1320	1	128	<10	0.1	1010	<1	270	8	370	36
1321	<1	110	<10	0.2	1490	<1	380	2	204	22
1322	2	161	20	<0.1	1650	<1	230	5	1230	63
1323	3	13	<10	<0.1	3360	<1	380	4	15	<5
1324	1	204	<10	<0.1	1230	<1	80	15	101	64
1325	2	27	<10	0.1	1850	<1	290	1	121	6
1326	3	40	<10	0.1	2340	<1	360	5	49	7
1327	3	21	20	0.1	2740	<1	330	2	372	47
1328	5	31	20	0.2	2550	<1	380	3	473	41
1329	11	19	<10	0.2	3880	<1	340	6	219	31
1330	8	26	20	0.1	2880	<1	320	4	361	32
1331	13	38	<10	0.1	2970	<1	460	8	107	23
1332	9	79	<10	0.2	2960	<1	410	19	349	79
1333	2	6	<10	0.3	1820	<1	340	2	17	<5
1334	1	53	<10	0.2	1620	<1	310	3	109	6
1335	1	32	<10	0.2	1830	<1	370	2	42	5
1336	1	>300	10	<0.1	1140	<1	<10	12	102	20
1337	12	71	<10	<0.1	390	<1	360	7	121	<5
1338	<1	245	10	<0.1	660	<1	30	4	175	31
1339	1	281	10	<0.1	1150	<1	<10	14	85	46
1340	<1	231	<10	<0.1	1700	<1	70	6	700	30
1341	3	56	<10	0.2	1930	<1	390	3	95	8
1342	5	14	10	0.2	2690	<1	310	3	461	64
1343	3	43	<10	0.1	1570	<1	380	3	51	<5

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1344	9	26	<10	0.2	1780	<1	360	7	263	102
1345	1	95	<10	0.1	770	<1	260	3	440	22
1346	2	5	<10	0.2	2940	<1	250	1	9	<5
1347	2	50	<10	0.3	1920	<1	300	2	228	5
1348	2	101	<10	0.2	680	<1	250	3	411	15
1349	2	288	10	<0.1	1040	<1	50	19	244	43
1350	<1	62	<10	0.1	1880	<1	370	1	46	15
1351	7	42	<10	<0.1	2150	<1	400	9	120	138
1352	5	17	<10	0.2	880	<1	290	4	21	83
1353	8	19	20	0.3	3280	<1	400	4	503	78
1354	6	64	<10	<0.1	3040	<1	350	5	1690	55
1355	4	67	<10	0.4	2600	<1	410	3	13	32
1356	<1	131	<10	<0.1	1170	<1	390	2	131	19
1357	6	188	<10	0.1	1970	<1	320	7	633	59
1358	9	36	<10	0.2	3120	<1	430	16	66	101
1359	5	11	<10	0.2	1750	<1	300	3	39	26
1360	10	13	40	0.1	2540	<1	310	4	95	42
1361	11	4	<10	0.2	2880	<1	310	1	<5	39
1362	14	40	<10	0.2	3330	<1	430	10	279	66
1363	5	56	<10	0.1	680	<1	410	9	498	52
1364	7	14	10	0.1	2950	<1	340	2	911	29
1365	5	4	<10	0.2	3320	<1	180	1	68	19
1366	4	4	<10	0.2	4560	<1	190	1	66	7
1376	3	106	<10	0.2	2080	<1	360	8	338	33
1377	2	100	10	0.2	4060	<1	340	6	596	164
1378	6	42	<10	0.3	1610	<1	420	7	668	85
1379	4	21	20	0.2	2850	<1	320	3	1700	164
1380	5	123	30	0.1	3430	<1	130	7	2010	367
1381	3	>300	<10	<0.1	1480	<1	<10	<1	79	12
1382	4	96	10	0.1	2150	<1	300	10	386	152
*Rep 1303	2	40	30	0.2	2810	<1	380	2	1790	122
*Rep 1324	1	224	<10	<0.1	830	<1	70	14	155	53
*Rep 1330	7	20	20	0.2	3330	<1	300	3	311	31
*Rep 1348	1	111	<10	<0.1	760	<1	230	3	505	26
*Rep 1363	8	52	<10	0.2	770	<1	500	11	482	62
*Rep 1382	4	91	<10	0.2	1890	<1	300	8	315	121
*Std MMISRM18	28	24	10	9.2	170	<1	200	86	32	72
*Std MMISRM16	16	44	20	22.6	140	<1	200	4	11	55
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1301	<100	0.8	1610	33	17.1	14.1	99	7	49	<1
1302	<100	<0.5	510	7	3.5	2.2	13	<1	10	<1
1303	<100	<0.5	1620	50	27.8	19.9	118	12	77	<1
1304	<100	<0.5	1230	12	6.5	3.3	17	2	16	<1
1305	100	1.8	3400	26	13.2	10.9	42	7	38	<1
1306	<100	1.0	5060	22	13.0	7.2	47	4	29	<1
1307	<100	<0.5	240	9	4.3	3.0	6	<1	13	<1
1308	<100	3.6	1870	<1	1.8	<0.5	120	10	<1	<1
1309	<100	0.8	770	10	5.6	3.5	4	2	15	<1
1310	<100	1.3	1050	28	15.2	10.4	66	6	42	<1
1311	100	0.9	680	46	22.3	17.8	105	16	67	<1
1312	200	7.3	510	27	14.3	9.0	244	24	32	<1
1313	<100	0.7	930	31	17.4	10.3	16	3	44	1
1314	<100	0.6	2020	26	12.9	10.1	66	6	38	<1
1315	400	10.1	90	4	2.6	1.4	302	43	4	<1
1316	200	0.8	3000	54	30.1	17.6	179	10	68	<1
1317	200	7.6	60	8	7.6	1.4	236	34	5	<1
1318	<100	1.0	510	21	10.0	8.1	17	3	33	<1
1319	<100	2.9	110	30	13.7	6.7	69	16	29	<1
1320	<100	3.6	240	27	13.4	9.4	29	7	38	<1
1321	<100	2.4	230	13	6.9	4.8	28	4	18	<1
1322	100	5.7	120	35	15.5	13.9	95	24	50	<1
1323	<100	<0.5	290	7	3.3	2.9	3	<1	13	1
1324	<100	6.8	340	21	15.0	2.5	96	8	11	<1
1325	<100	0.8	250	11	4.8	4.3	8	2	18	<1
1326	<100	1.3	320	11	5.5	4.0	7	<1	18	1
1327	<100	0.6	2210	16	8.2	7.0	33	3	25	<1
1328	<100	1.1	3460	21	12.6	7.2	65	4	29	<1
1329	<100	1.0	4060	17	10.2	5.2	49	3	23	<1
1330	<100	1.0	4120	20	12.2	6.5	44	3	29	<1
1331	<100	1.2	860	19	10.5	5.9	12	1	26	<1
1332	<100	1.2	1360	18	10.9	6.0	40	4	24	<1
1333	<100	<0.5	390	3	1.7	1.1	2	<1	5	<1
1334	<100	1.6	150	18	7.6	7.6	10	2	31	<1
1335	<100	0.8	380	9	4.0	3.1	5	<1	13	<1
1336	<100	5.5	60	8	5.0	2.0	69	26	7	<1
1337	<100	1.7	430	12	5.3	4.6	11	2	18	<1
1338	100	1.5	40	8	3.5	2.9	66	55	10	<1
1339	100	4.0	160	5	3.9	1.2	207	16	4	<1
1340	100	8.3	130	47	19.5	15.9	80	14	61	<1
1341	<100	1.2	370	15	6.6	5.7	9	1	24	<1
1342	<100	<0.5	2140	20	11.3	7.4	42	3	29	<1
1343	<100	1.4	310	8	3.3	3.2	7	<1	13	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1344	<100	<0.5	2670	18	10.3	6.3	19	2	26	<1
1345	<100	2.7	210	16	7.2	6.6	37	8	25	<1
1346	<100	<0.5	360	3	1.4	1.0	<1	<1	5	1
1347	<100	0.6	280	19	8.0	7.8	11	3	30	<1
1348	<100	2.2	90	18	8.2	7.6	57	7	28	<1
1349	100	8.7	180	27	12.7	8.0	75	29	31	<1
1350	<100	1.3	280	11	6.4	3.1	10	1	14	<1
1351	<100	<0.5	1240	10	5.8	3.1	13	1	14	<1
1352	<100	<0.5	810	6	4.2	1.5	4	<1	9	<1
1353	<100	<0.5	4200	30	18.0	10.5	56	4	44	<1
1354	100	6.7	1170	44	20.6	18.0	62	12	67	<1
1355	<100	<0.5	930	13	8.0	3.4	5	<1	16	1
1356	100	3.0	120	10	5.0	3.1	74	6	12	<1
1357	100	2.5	1600	79	53.1	15.0	108	12	70	<1
1358	<100	<0.5	1400	13	8.0	3.2	13	2	16	<1
1359	<100	<0.5	590	8	4.4	2.4	7	<1	11	<1
1360	<100	<0.5	1940	11	5.9	2.8	33	2	14	<1
1361	<100	<0.5	1470	5	3.1	1.2	6	<1	6	<1
1362	<100	0.9	4120	21	12.0	6.4	20	4	31	<1
1363	<100	0.7	270	23	11.7	8.6	41	4	35	<1
1364	<100	1.0	2020	27	12.9	11.9	46	7	44	<1
1365	<100	<0.5	3040	4	2.4	1.6	33	<1	6	<1
1366	<100	<0.5	2440	5	2.6	1.7	24	<1	7	<1
1376	<100	1.6	530	25	12.9	8.4	31	4	35	<1
1377	<100	2.1	460	33	16.4	10.7	54	11	42	<1
1378	<100	0.8	2830	19	9.5	8.2	89	4	30	<1
1379	<100	<0.5	1220	37	18.4	15.6	80	10	58	<1
1380	200	2.2	2130	95	52.1	31.2	383	20	123	<1
1381	200	4.1	120	5	2.2	1.6	162	24	5	<1
1382	100	3.5	1170	18	9.6	6.1	290	8	23	<1
*Rep 1303	<100	0.7	1440	44	24.3	18.0	143	11	66	<1
*Rep 1324	<100	6.9	300	27	13.7	4.1	108	11	19	<1
*Rep 1330	<100	1.0	4250	20	12.2	6.2	45	3	27	<1
*Rep 1348	<100	3.9	90	16	7.5	6.5	52	9	23	<1
*Rep 1363	200	0.8	350	28	14.8	9.5	39	4	39	<1
*Rep 1382	<100	3.3	1110	20	9.8	7.5	236	7	29	<1
*Std MMISRM18	<100	6.8	760	3	1.0	0.8	3	<1	4	3
*Std MMISRM16	<100	12.5	570	3	1.0	1.2	2	<1	5	15
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1301	<0.5	6.5	424	<5	54	28000	<5	1.8	445	102
1302	<0.5	11.5	30	18	43	5160	<5	2.2	55	35
1303	<0.5	13.5	700	7	48	15800	11	6.4	699	66
1304	<0.5	15.4	39	16	89	2860	<5	1.7	70	77
1305	<0.5	12.6	336	11	61	2090	9	15.1	303	73
1306	<0.5	21.6	123	24	69	2690	35	3.2	190	76
1307	<0.5	13.7	34	54	73	2500	<5	<0.5	66	58
1308	<0.5	5.2	6	8	43	310	<5	1.3	15	98
1309	<0.5	16.3	69	<5	72	27600	<5	<0.5	92	107
1310	<0.5	15.9	324	<5	69	12700	<5	3.4	349	77
1311	<0.5	12.5	805	<5	52	16100	<5	18.7	581	49
1312	<0.5	14.8	310	23	13	8130	<5	23.9	264	144
1313	<0.5	20.2	290	18	115	18900	<5	1.9	268	395
1314	<0.5	14.1	374	<5	36	11000	<5	7.2	345	41
1315	<0.5	6.3	46	10	6	500	7	42.4	42	79
1316	<0.5	19.3	619	5	65	23200	7	13.8	567	131
1317	<0.5	13.6	43	16	9	800	<5	26.2	43	120
1318	<0.5	10.3	138	<5	54	410	<5	1.7	193	43
1319	<0.5	9.2	86	5	22	300	<5	4.6	143	118
1320	<0.5	10.0	209	<5	36	1460	<5	4.5	238	58
1321	<0.5	10.1	89	<5	61	460	<5	4.3	124	43
1322	<0.5	5.1	522	10	29	6380	<5	10.6	411	111
1323	<0.5	15.8	25	29	87	70	<5	<0.5	62	31
1324	<0.5	10.5	44	8	24	<10	<5	2.8	61	104
1325	<0.5	7.1	69	<5	58	120	<5	0.7	111	13
1326	<0.5	11.4	58	<5	70	160	<5	<0.5	97	48
1327	<0.5	10.4	167	5	38	5990	10	7.4	202	32
1328	<0.5	15.0	196	11	43	3150	15	3.0	233	60
1329	<0.5	26.2	91	26	67	2810	15	2.2	139	48
1330	<0.5	20.7	150	13	48	3510	21	2.8	198	64
1331	<0.5	20.9	88	30	87	40	<5	<0.5	139	69
1332	<0.5	13.8	151	13	72	6610	<5	2.0	176	150
1333	<0.5	12.9	8	24	94	340	<5	<0.5	29	22
1334	<0.5	6.6	163	<5	65	370	<5	0.8	202	19
1335	<0.5	10.6	41	<5	75	100	<5	<0.5	74	21
1336	<0.5	8.1	39	<5	2	<10	<5	6.4	47	76
1337	<0.5	10.4	85	<5	49	850	<5	0.7	124	135
1338	<0.5	10.1	83	8	4	130	<5	17.2	84	69
1339	<0.5	13.1	38	15	4	<10	<5	11.9	38	139
1340	<0.5	22.0	275	13	11	460	<5	8.6	330	52
1341	<0.5	20.0	117	<5	66	190	<5	<0.5	148	42
1342	<0.5	19.6	169	8	57	8920	<5	1.6	220	36
1343	<0.5	8.3	69	<5	70	50	<5	<0.5	84	37

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1344	<0.5	20.2	106	7	75	5510	<5	1.1	139	58
1345	<0.5	6.5	148	<5	36	1680	<5	4.1	160	28
1346	<0.5	14.3	<1	21	78	180	<5	<0.5	6	18
1347	<0.5	12.7	108	<5	63	90	<5	0.9	155	31
1348	<0.5	5.6	217	<5	20	980	<5	6.0	196	25
1349	<0.5	12.1	124	11	8	130	<5	11.0	145	57
1350	<0.5	8.7	31	<5	81	330	<5	0.5	48	27
1351	<0.5	14.8	52	19	82	8900	6	0.6	65	73
1352	<0.5	15.5	8	13	103	2440	<5	<0.5	19	40
1353	<0.5	21.2	185	19	70	9790	17	2.6	270	82
1354	<0.5	9.6	712	6	53	2190	<5	14.2	567	123
1355	<0.5	19.1	46	<5	106	1360	<5	1.2	57	38
1356	<0.5	9.6	67	<5	75	240	<5	7.3	62	94
1357	<0.5	8.5	290	18	66	610	<5	6.8	302	316
1358	<0.5	18.9	30	31	105	4260	<5	1.6	48	149
1359	<0.5	11.6	23	10	62	3230	<5	1.0	34	49
1360	<0.5	19.6	48	31	48	4460	5	2.4	56	57
1361	<0.5	21.9	3	39	67	2990	<5	<0.5	7	20
1362	<0.5	23.0	113	46	64	3690	<5	3.3	149	217
1363	<0.5	7.0	219	10	77	1470	<5	2.8	242	247
1364	<0.5	7.8	461	11	53	2360	<5	13.6	378	49
1365	<0.5	19.1	41	19	32	2490	<5	0.7	37	25
1366	<0.5	17.3	34	17	29	1890	<5	0.9	38	17
1376	<0.5	13.3	188	<5	76	1510	<5	3.6	199	108
1377	<0.5	16.3	233	<5	62	7810	<5	10.9	257	57
1378	<0.5	11.4	295	8	53	5900	<5	4.2	270	199
1379	<0.5	14.4	661	<5	63	38500	<5	7.3	532	57
1380	<0.5	12.5	929	13	45	29200	<5	23.9	901	204
1381	<0.5	13.0	52	9	2	120	<5	15.6	28	50
1382	<0.5	23.6	121	<5	36	15200	<5	8.8	156	95
*Rep 1303	<0.5	16.4	636	8	46	20600	16	7.0	636	78
*Rep 1324	<0.5	10.0	68	6	17	70	<5	3.6	92	117
*Rep 1330	<0.5	22.4	125	15	47	3410	22	2.1	183	56
*Rep 1348	<0.5	4.8	191	<5	24	1040	<5	6.7	165	33
*Rep 1363	<0.5	5.5	210	9	76	1700	<5	2.7	244	312
*Rep 1382	<0.5	22.1	129	<5	34	14600	<5	6.5	143	70
*Std MMISRM18	<0.5	28.3	12	<5	92	620	35	<0.5	31	525
*Std MMISRM16	<0.5	33.9	8	<5	31	60	44	<0.5	15	200
*Blk BLANK	<0.5	<0.1	<1	<5	<1	190	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1301	0.3	50	<1	113	<1	108	<1	30	66	<1
1302	0.1	40	<1	11	<1	25	<1	<5	9	<1
1303	0.4	270	<1	181	<1	37	<1	45	102	<1
1304	0.2	90	<1	15	<1	52	<1	9	12	<1
1305	0.7	450	<1	79	<1	126	2	26	45	<1
1306	0.2	940	<1	43	<1	111	3	15	33	<1
1307	<0.1	40	<1	13	<1	36	<1	<5	12	<1
1308	0.9	<10	<1	3	<1	49	<1	11	<1	<1
1309	<0.1	20	<1	21	<1	122	<1	8	15	<1
1310	0.3	40	<1	86	<1	93	<1	17	50	<1
1311	1.5	90	<1	155	<1	118	<1	49	87	<1
1312	2.7	100	<1	74	<1	283	<1	64	42	1
1313	0.2	30	<1	63	<1	106	<1	18	42	<1
1314	0.8	80	<1	88	<1	57	<1	14	49	<1
1315	4.0	60	<1	10	<1	59	<1	35	5	9
1316	1.2	260	<1	150	<1	98	<1	68	85	<1
1317	2.5	190	<1	11	<1	221	<1	39	5	2
1318	0.2	20	<1	43	<1	122	<1	14	35	<1
1319	1.2	150	<1	31	<1	160	<1	20	27	<1
1320	0.4	80	<1	58	<1	193	<1	23	43	<1
1321	0.5	50	<1	28	<1	127	<1	16	21	<1
1322	2.2	70	<1	112	<1	112	<1	36	65	1
1323	<0.1	<10	<1	12	<1	92	<1	<5	11	<1
1324	1.3	140	<1	14	<1	197	<1	16	10	<1
1325	0.1	10	<1	23	<1	98	<1	6	19	<1
1326	0.1	20	<1	20	<1	159	<1	8	16	<1
1327	0.6	270	<1	48	<1	79	2	8	31	<1
1328	0.2	540	<1	57	<1	129	2	12	34	<1
1329	0.2	450	<1	31	<1	82	1	11	23	<1
1330	0.2	550	<1	45	<1	104	3	10	31	<1
1331	0.1	40	<1	30	<1	80	<1	11	25	<1
1332	0.3	140	<1	42	<1	79	<1	19	27	<1
1333	<0.1	<10	<1	5	<1	53	<1	<5	3	<1
1334	<0.1	30	<1	46	<1	128	<1	9	34	<1
1335	<0.1	<10	<1	15	<1	168	<1	5	12	<1
1336	1.6	360	<1	11	<1	139	<1	22	7	1
1337	0.3	20	<1	28	<1	101	<1	8	21	<1
1338	3.5	320	<1	21	<1	56	<1	22	12	4
1339	2.8	90	<1	9	<1	117	<1	26	4	1
1340	0.6	140	<1	78	<1	283	<1	56	65	<1
1341	0.1	350	<1	33	<1	155	<1	10	26	<1
1342	0.2	160	<1	51	<1	61	<1	10	33	<1
1343	0.1	<10	<1	20	<1	153	<1	<5	14	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1344	0.1	140	<1	32	<1	90	<1	9	25	<1
1345	0.4	60	<1	40	<1	170	<1	12	30	<1
1346	<0.1	30	<1	1	<1	82	<1	<5	3	<1
1347	0.1	20	<1	35	<1	123	<1	12	32	<1
1348	0.5	100	<1	51	<1	126	<1	19	35	<1
1349	2.5	330	<1	34	<1	155	<1	44	32	2
1350	<0.1	40	<1	11	<1	154	<1	10	12	<1
1351	0.1	60	<1	16	<1	44	<1	7	13	<1
1352	<0.1	40	<1	3	<1	52	<1	<5	6	<1
1353	0.2	490	<1	62	<1	51	2	13	49	<1
1354	1.3	300	<1	157	<1	147	<1	34	88	<1
1355	0.1	30	<1	13	<1	62	<1	11	13	<1
1356	0.8	90	<1	17	<1	163	<1	18	12	<1
1357	0.5	440	<1	77	<1	105	<1	100	64	<1
1358	0.2	110	<1	11	<1	44	<1	11	12	<1
1359	<0.1	60	<1	8	<1	17	<1	<5	9	<1
1360	0.3	140	<1	14	<1	30	<1	6	13	<1
1361	0.2	130	<1	2	<1	<5	<1	<5	4	<1
1362	0.2	350	<1	35	<1	47	<1	13	29	<1
1363	0.4	90	<1	60	<1	79	<1	17	40	<1
1364	1.1	220	<1	101	<1	88	1	15	55	<1
1365	<0.1	200	<1	10	<1	133	<1	<5	7	<1
1366	0.1	160	<1	9	<1	59	<1	<5	7	<1
1376	0.5	50	<1	50	<1	117	<1	19	37	<1
1377	0.9	100	<1	65	<1	214	<1	27	46	<1
1378	0.3	150	<1	72	<1	71	<1	14	40	<1
1379	0.6	40	<1	146	<1	48	<1	24	78	<1
1380	2.5	140	<1	232	<1	144	<1	157	150	<1
1381	3.0	30	<1	9	<1	199	<1	31	6	1
1382	0.9	40	<1	42	<1	239	<1	43	27	<1
*Rep 1303	0.4	210	<1	166	<1	43	<1	58	89	<1
*Rep 1324	1.3	160	<1	21	<1	199	<1	20	17	<1
*Rep 1330	0.2	620	<1	40	<1	100	2	9	29	<1
*Rep 1348	0.7	90	<1	44	<1	127	<1	22	29	<1
*Rep 1363	0.3	120	<1	60	<1	77	<1	24	42	<1
*Rep 1382	0.5	50	<1	53	<1	219	<1	35	34	<1
*Std MMISRM18	0.6	240	16	6	6	174	<1	<5	4	<1
*Std MMISRM16	0.2	90	26	4	<1	297	<1	9	5	<1
*BIK BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	1	<1
*BIK BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1301	830	<1	8	<10	82.0	29	0.6	21	<1	178
1302	590	<1	1	<10	18.1	163	<0.5	3	<1	37
1303	1820	<1	12	<10	170	319	<0.5	45	1	260
1304	1460	<1	2	<10	19.4	207	<0.5	4	<1	61
1305	670	<1	6	<10	97.1	1160	0.6	41	2	129
1306	890	<1	5	<10	74.9	271	<0.5	21	1	111
1307	640	<1	2	<10	7.7	4	<0.5	27	<1	46
1308	360	<1	<1	<10	12.7	234	<0.5	111	<1	<5
1309	780	<1	2	<10	28.4	13	0.5	10	<1	55
1310	550	<1	6	<10	100	253	0.6	13	<1	149
1311	500	1	11	<10	113	2950	1.1	10	2	228
1312	150	1	6	<10	96.9	3920	1.6	11	2	123
1313	1100	<1	6	<10	39.0	114	0.9	5	<1	199
1314	570	<1	6	<10	114	414	0.6	4	1	141
1315	110	3	<1	<10	30.4	7460	<0.5	5	2	20
1316	540	<1	11	<10	252	758	0.7	17	2	287
1317	90	1	1	<10	32.7	4190	0.7	5	<1	42
1318	830	<1	5	<10	50.1	184	0.5	10	<1	105
1319	220	<1	5	<10	17.2	1100	<0.5	5	<1	150
1320	260	<1	6	<10	51.8	703	<0.5	16	<1	128
1321	650	<1	3	<10	48.5	364	<0.5	7	<1	57
1322	230	<1	8	<10	74.4	2340	1.0	12	<1	159
1323	820	<1	2	<10	3.5	5	<0.5	19	<1	37
1324	200	<1	3	<10	12.3	648	<0.5	5	<1	103
1325	830	<1	2	<10	20.7	89	<0.5	7	<1	53
1326	830	<1	2	<10	18.2	18	<0.5	16	<1	52
1327	490	<1	4	<10	59.8	601	<0.5	15	1	75
1328	780	<1	4	<10	73.8	203	0.5	10	1	113
1329	3090	<1	3	<10	65.3	258	<0.5	8	1	92
1330	1040	<1	4	<10	70.6	241	<0.5	15	1	113
1331	1680	<1	4	<10	16.1	17	<0.5	10	<1	99
1332	1030	<1	4	<10	53.9	199	<0.5	168	<1	98
1333	570	<1	<1	<10	2.9	<3	<0.5	3	<1	21
1334	450	<1	4	<10	25.9	112	<0.5	10	<1	93
1335	630	<1	2	<10	11.7	4	<0.5	11	<1	42
1336	30	<1	1	<10	19.1	1650	<0.5	4	<1	40
1337	300	<1	3	<10	33.4	53	<0.5	41	<1	62
1338	70	1	2	<10	18.8	5910	<0.5	5	1	37
1339	60	<1	<1	<10	28.7	2340	<0.5	6	<1	24
1340	170	<1	10	<10	77.0	1480	0.6	13	<1	203
1341	490	<1	3	<10	27.6	24	<0.5	7	<1	77
1342	510	<1	4	<10	64.6	97	0.8	6	<1	106
1343	430	<1	2	<10	12.6	15	<0.5	10	<1	39

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1344	530	<1	4	<10	40.2	59	<0.5	29	<1	87
1345	240	<1	4	<10	47.2	715	<0.5	17	<1	78
1346	510	<1	<1	<10	1.8	3	<0.5	<1	<1	19
1347	570	<1	4	<10	57.2	64	<0.5	12	<1	84
1348	180	<1	4	<10	39.8	601	0.5	5	<1	83
1349	130	<1	5	<10	51.9	3070	0.7	8	1	120
1350	1410	<1	2	<10	34.8	16	<0.5	10	<1	44
1351	920	<1	2	<10	26.3	28	<0.5	38	<1	47
1352	840	<1	1	<10	7.1	42	<0.5	2	<1	39
1353	950	<1	7	<10	100	120	<0.5	23	1	163
1354	490	<1	10	<10	154	1380	0.5	22	1	225
1355	760	<1	2	<10	15.4	89	<0.5	3	<1	79
1356	540	<1	2	<10	37.9	508	<0.5	4	<1	51
1357	500	<1	13	<10	136	775	0.7	195	<1	435
1358	1000	<1	2	<10	23.9	186	<0.5	82	<1	62
1359	530	<1	2	<10	15.6	96	<0.5	1	<1	47
1360	1360	<1	2	<10	37.8	217	<0.5	20	<1	52
1361	2570	<1	<1	<10	7.9	12	<0.5	<1	<1	27
1362	2410	<1	4	<10	68.6	289	<0.5	86	<1	98
1363	900	<1	5	<10	94.1	151	<0.5	37	<1	114
1364	530	<1	7	<10	111	1070	0.6	7	1	129
1365	740	<1	<1	<10	20.7	28	<0.5	16	<1	25
1366	660	<1	1	<10	21.2	42	<0.5	7	1	24
1376	420	<1	5	<10	68.7	289	<0.5	11	<1	114
1377	760	<1	7	<10	122	1630	0.5	19	1	134
1378	510	<1	5	<10	80.0	122	<0.5	28	<1	105
1379	800	<1	9	<10	130	702	<0.5	7	1	193
1380	480	1	20	<10	236	2900	1.4	28	3	495
1381	70	<1	<1	<10	28.7	3690	0.9	6	<1	19
1382	440	<1	4	<10	67.1	1580	0.7	13	<1	96
*Rep 1303	2090	<1	10	<10	141	263	<0.5	78	1	253
*Rep 1324	160	<1	4	<10	16.5	844	<0.5	6	<1	130
*Rep 1330	1220	<1	4	<10	64.1	189	<0.5	10	1	111
*Rep 1348	190	<1	4	<10	42.9	1330	<0.5	7	<1	73
*Rep 1363	970	<1	6	<10	107	117	<0.5	38	<1	133
*Rep 1382	550	<1	4	<10	54.1	851	0.6	10	<1	97
*Std MMISRM18	1320	<1	<1	<10	14.7	11	<0.5	24	<1	17
*Std MMISRM16	450	<1	<1	<10	22.8	6	<0.5	49	<1	12
*Blk BLANK	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO110554 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1301	15	30	43
1302	3	110	35
1303	26	70	162
1304	6	50	42
1305	11	110	110
1306	12	70	98
1307	3	370	5
1308	4	50	19
1309	5	150	24
1310	13	180	94
1311	19	760	180
1312	11	1060	168
1313	14	370	31
1314	11	50	125
1315	2	240	77
1316	27	850	261
1317	8	590	99
1318	8	290	42
1319	9	220	31
1320	10	1070	58
1321	6	1270	57
1322	12	450	85
1323	2	100	7
1324	11	370	21
1325	4	60	21
1326	4	70	18
1327	7	100	96
1328	11	110	90
1329	10	80	74
1330	11	110	103
1331	9	190	12
1332	10	100	46
1333	2	20	5
1334	6	60	21
1335	3	20	13
1336	4	350	34
1337	4	20	24
1338	3	120	64
1339	4	280	58
1340	14	50	99
1341	5	<20	23
1342	11	40	88
1343	2	170	10

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Final : TO110554 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1344	9	50	45
1345	6	50	43
1346	1	30	6
1347	6	50	30
1348	7	140	34
1349	9	340	94
1350	5	30	24
1351	5	140	23
1352	3	130	16
1353	16	40	98
1354	17	670	167
1355	7	60	36
1356	4	710	48
1357	44	180	186
1358	7	200	37
1359	3	80	29
1360	5	50	49
1361	3	20	18
1362	10	130	76
1363	10	240	49
1364	11	30	191
1365	2	<20	35
1366	3	<20	33
1376	10	260	59
1377	14	1460	147
1378	9	50	51
1379	16	110	140
1380	45	520	351
1381	2	160	81
1382	8	230	98
*Rep 1303	23	50	130
*Rep 1324	9	390	31
*Rep 1330	11	120	89
*Rep 1348	6	220	47
*Rep 1363	13	210	56
*Rep 1382	8	250	79
*Std MMISRM18	<1	700	22
*Std MMISRM16	<1	220	20
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110977

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 31, 2010

P.O. No. : EXPL-004
Project No. : -
No. Of Samples : 75
Date Submitted : Jul 16, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
1951	8	5	<10	0.5	1960	<1	140	6	59	36
1952	6	5	<10	0.7	2010	<1	150	2	50	24
1953	3	5	<10	0.2	2950	<1	160	2	100	10
1954	2	2	<10	<0.1	1690	<1	130	3	104	6
1955	6	5	<10	0.7	1250	<1	150	3	49	36
1956	4	3	<10	0.1	1630	<1	130	3	69	24
1957	4	3	<10	<0.1	1650	<1	130	4	65	27
1958	4	277	10	<0.1	930	1	140	9	248	85
1959	2	3	<10	0.3	680	<1	170	1	19	9
1960	6	13	<10	0.2	950	<1	610	2	22	36
1961	3	>300	40	<0.1	690	<1	<10	9	72	16
1962	1	>300	20	<0.1	530	<1	<10	25	114	54
1963	3	294	20	0.1	9230	2	60	27	1960	369
1964	1	>300	60	<0.1	910	1	<10	5	85	16
1965	8	288	20	<0.1	1880	<1	40	10	326	215
1966	7	>300	20	<0.1	2180	2	10	12	153	173
1967	2	251	<10	<0.1	590	<1	20	3	50	61
1968	2	>300	<10	<0.1	2160	<1	100	8	33	157
1969	2	>300	<10	<0.1	770	<1	30	13	66	188
1970	7	>300	20	<0.1	1140	<1	10	8	169	50
1971	3	>300	<10	0.1	1100	<1	30	15	132	99
1972	4	>300	20	<0.1	2450	1	60	31	429	93
1973	5	>300	<10	<0.1	2630	<1	20	9	149	93
1974	4	287	10	<0.1	500	<1	<10	5	343	35
1975	4	274	<10	<0.1	1120	<1	20	6	30	50
1976	4	20	30	0.2	1720	<1	250	3	493	20
1977	6	35	10	0.4	2880	<1	370	4	406	40
1978	8	64	<10	0.1	650	<1	440	19	219	38
1979	3	6	<10	0.6	960	<1	220	2	20	34
1980	9	95	<10	0.2	1150	<1	400	23	355	63
1981	5	53	<10	0.1	1060	<1	240	6	523	23
1982	1	282	<10	<0.1	890	<1	50	5	143	47
1983	10	82	<10	0.1	1270	<1	470	19	973	131
1984	10	10	<10	0.3	1010	<1	330	5	24	13
1985	5	10	<10	0.7	1040	<1	410	2	6	7
1986	11	90	<10	0.4	870	<1	450	33	177	121
1987	4	91	<10	0.2	980	<1	450	7	172	60
1988	4	186	20	0.3	3410	1	340	6	1330	160
1989	1	>300	10	<0.1	860	<1	110	2	383	74
1990	4	14	40	0.1	2170	1	290	2	653	25
1991	3	57	<10	0.2	1160	<1	360	3	329	64
1992	<1	66	<10	<0.1	1060	<1	400	10	519	52
1993	6	23	<10	0.3	1300	<1	320	7	10	9

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1994	2	191	10	0.2	1060	<1	320	5	690	71
1995	2	197	20	0.4	3030	1	270	6	1120	100
1996	12	56	<10	0.2	860	<1	440	11	121	133
1997	2	163	<10	0.1	1340	<1	300	6	304	57
1998	1	278	<10	<0.1	990	<1	50	4	500	101
1999	8	61	<10	0.2	910	<1	450	7	28	12
2000	2	12	<10	0.2	1040	<1	270	1	13	6
2001	8	27	<10	0.2	890	<1	310	7	52	88
2002	7	123	<10	0.1	1060	<1	280	7	960	152
2003	10	14	<10	0.3	1910	<1	380	7	92	50
2004	11	116	<10	0.2	1260	<1	330	14	516	261
2005	9	67	<10	0.2	1220	<1	390	5	485	77
2006	10	17	<10	0.1	1620	<1	350	5	27	347
2007	8	42	<10	<0.1	1690	<1	490	73	140	293
2008	5	10	<10	0.1	1760	<1	240	2	839	57
2009	2	290	<10	0.1	2250	<1	60	4	439	67
2010	2	>300	20	0.2	3690	1	50	4	533	103
2011	6	151	<10	<0.1	540	<1	310	10	240	50
2012	1	>300	10	<0.1	720	1	30	6	333	71
2013	2	166	20	0.4	1800	1	280	2	1520	40
2014	2	142	10	0.3	1940	<1	120	2	2260	92
2015	2	264	<10	<0.1	740	<1	10	<1	95	36
2016	9	21	<10	0.3	550	<1	390	3	26	32
2017	15	287	<10	<0.1	560	<1	<10	5	58	37
2018	1	202	<10	<0.1	320	<1	<10	<1	37	36
2019	1	195	<10	<0.1	300	<1	<10	<1	40	47
2020	2	274	10	<0.1	1270	<1	<10	2	359	72
2021	14	>300	10	0.1	3280	<1	10	16	447	58
2022	2	296	<10	<0.1	1040	<1	<10	8	41	41
2023	7	>300	20	<0.1	880	1	<10	8	124	65
2024	3	293	<10	<0.1	1950	<1	20	2	85	59
2025	11	278	10	<0.1	620	<1	<10	10	81	37
*Rep 1962	2	>300	20	<0.1	470	<1	<10	24	100	54
*Rep 1967	4	>300	<10	<0.1	710	<1	10	3	67	89
*Rep 1982	1	>300	10	<0.1	820	<1	40	12	149	50
*Rep 1996	11	52	<10	0.2	890	<1	420	8	102	145
*Rep 2014	2	163	10	0.2	1760	<1	140	3	2670	91
*Rep 2020	3	233	<10	<0.1	790	<1	<10	1	201	54
*Std MMISRM16	21	48	20	25.1	60	<1	230	4	17	65
*Std AMISO169	8	66	20	0.3	630	<1	30	2	773	123
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1951	<100	1.1	1960	5	2.7	2.1	8	1	8	<1
1952	<100	1.8	2130	5	2.8	2.0	10	<1	8	<1
1953	<100	1.7	1960	6	3.3	2.8	10	1	11	<1
1954	<100	0.6	820	7	3.1	2.9	4	1	11	<1
1955	<100	2.5	1800	4	2.4	1.6	10	1	6	<1
1956	<100	1.5	1270	4	2.1	1.8	6	<1	7	<1
1957	<100	1.6	1410	4	2.2	1.8	6	<1	7	<1
1958	200	3.8	160	15	7.4	4.5	156	40	18	<1
1959	<100	1.0	350	2	0.8	0.6	2	<1	3	<1
1960	<100	0.5	690	21	14.1	3.9	2	<1	23	1
1961	200	4.2	120	7	3.9	2.1	160	36	6	1
1962	200	11.7	200	8	4.3	2.2	195	15	7	1
1963	200	3.8	870	90	47.6	27.8	260	71	117	<1
1964	300	5.5	100	6	3.3	2.2	342	59	7	1
1965	200	6.4	970	20	11.7	5.4	299	26	21	<1
1966	200	7.8	200	10	6.4	2.0	208	52	8	<1
1967	<100	2.1	750	1	0.8	<0.5	194	10	<1	<1
1968	<100	2.9	320	7	11.0	0.8	117	11	3	<1
1969	<100	3.3	750	10	10.3	1.1	174	16	5	<1
1970	300	5.6	330	8	3.8	2.4	267	30	9	<1
1971	100	4.5	740	29	18.7	3.2	153	19	15	<1
1972	100	5.1	600	61	28.9	14.4	157	28	62	<1
1973	100	7.2	310	13	12.0	2.5	211	20	9	<1
1974	200	3.6	220	13	5.3	4.6	211	15	16	<1
1975	<100	2.5	160	3	2.9	0.6	115	10	2	<1
1976	<100	2.1	1870	16	7.4	7.6	35	6	26	<1
1977	100	1.6	4450	26	13.7	9.0	62	6	37	<1
1978	<100	1.5	1820	9	4.5	4.0	16	2	15	<1
1979	<100	<0.5	550	3	1.5	1.0	2	<1	4	<1
1980	<100	2.3	2400	18	9.7	6.8	36	4	25	<1
1981	<100	0.6	640	23	9.4	10.9	26	6	40	<1
1982	100	6.4	120	7	3.8	2.5	222	35	8	<1
1983	100	0.6	6300	42	24.8	13.7	32	6	59	<1
1984	<100	<0.5	590	6	2.7	2.4	3	<1	10	<1
1985	<100	<0.5	460	7	3.0	2.2	2	<1	10	<1
1986	<100	1.4	1740	13	7.5	3.6	20	2	15	<1
1987	<100	1.7	160	8	3.6	3.4	16	2	12	<1
1988	200	2.4	960	65	34.8	20.4	86	14	77	<1
1989	200	11.4	210	41	19.8	9.7	111	47	39	<1
1990	100	1.2	2150	26	12.8	10.5	99	7	41	<1
1991	<100	2.1	400	16	7.8	6.9	30	4	24	<1
1992	<100	1.8	1040	22	10.9	7.7	135	6	29	<1
1993	<100	0.7	850	9	4.0	2.9	5	<1	13	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
1994	100	5.9	270	40	19.5	13.4	88	19	51	<1
1995	200	4.3	490	55	30.6	16.6	118	17	63	<1
1996	<100	<0.5	1200	10	5.0	3.4	12	2	13	<1
1997	<100	3.4	330	27	13.7	8.3	65	8	33	<1
1998	100	6.5	150	28	15.1	5.5	209	32	23	<1
1999	<100	<0.5	440	8	4.7	2.6	11	1	12	<1
2000	<100	<0.5	390	5	2.4	1.6	3	<1	7	<1
2001	<100	<0.5	1600	7	3.7	2.0	8	<1	9	<1
2002	100	1.6	2160	38	19.5	13.8	81	10	53	<1
2003	<100	<0.5	1270	13	7.3	3.9	7	<1	19	<1
2004	100	1.6	1720	36	23.4	9.6	122	8	40	<1
2005	<100	0.6	3250	18	10.5	6.3	55	4	26	<1
2006	<100	<0.5	1300	4	2.6	1.1	10	1	5	<1
2007	<100	<0.5	800	4	2.1	1.6	37	3	6	<1
2008	<100	<0.5	1650	25	11.8	10.9	74	6	40	<1
2009	100	7.7	620	53	23.7	12.1	140	22	52	<1
2010	200	10.5	440	42	19.1	11.5	194	40	47	<1
2011	<100	3.2	440	14	6.7	4.7	66	11	18	<1
2012	200	7.1	330	20	11.6	5.7	176	42	22	<1
2013	200	3.1	860	84	39.3	31.3	83	24	125	<1
2014	200	4.5	760	80	34.6	35.0	88	25	127	<1
2015	<100	4.5	260	5	2.7	1.5	190	23	5	<1
2016	<100	0.8	510	4	1.9	1.6	3	<1	7	<1
2017	100	4.2	280	4	2.8	1.0	174	24	4	<1
2018	<100	3.6	60	3	2.5	0.6	229	18	2	<1
2019	<100	3.3	60	3	3.7	0.6	220	16	2	<1
2020	200	6.7	440	20	11.6	5.9	332	21	21	<1
2021	100	8.1	350	40	17.8	10.3	90	21	40	<1
2022	<100	2.3	160	3	2.1	0.7	167	16	2	<1
2023	200	4.9	150	10	5.5	3.1	199	39	10	<1
2024	200	7.6	250	4	2.9	1.3	229	35	5	<1
2025	200	4.0	180	8	4.5	1.9	203	10	7	1
*Rep 1962	200	9.8	210	8	4.3	2.0	183	18	7	<1
*Rep 1967	<100	3.4	590	3	2.4	0.8	171	19	3	<1
*Rep 1982	100	5.6	110	8	4.7	2.6	212	36	9	<1
*Rep 1996	<100	<0.5	1320	10	5.3	3.2	13	2	14	<1
*Rep 2014	200	4.0	830	92	40.6	39.5	89	28	143	<1
*Rep 2020	200	6.2	440	10	4.9	3.0	304	16	11	<1
*Std MMISRM16	<100	12.7	670	3	0.9	1.0	2	<1	4	17
*Std AMISO169	100	7.9	4150	30	12.9	11.3	46	14	45	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1951	<0.5	10.8	26	15	28	12100	8	0.6	44	98
1952	<0.5	8.2	20	6	22	7580	<5	0.6	37	74
1953	<0.5	8.6	41	6	29	6690	<5	1.4	63	33
1954	<0.5	5.2	47	12	21	260	7	1.1	72	19
1955	<0.5	8.7	20	11	22	6720	13	0.6	33	158
1956	<0.5	4.9	28	10	20	680	9	0.7	44	113
1957	<0.5	5.2	26	11	22	630	9	0.6	43	126
1958	<0.5	9.7	100	14	14	380	<5	16.8	89	126
1959	<0.5	8.5	2	29	50	530	<5	<0.5	8	26
1960	<0.5	7.1	12	50	154	1340	<5	<0.5	38	66
1961	<0.5	10.7	34	6	2	60	<5	13.5	30	73
1962	<0.5	9.0	48	9	2	210	<5	8.3	40	85
1963	<0.5	26.6	515	31	22	26700	<5	22.3	606	158
1964	<0.5	19.1	43	28	4	150	<5	34.4	36	81
1965	<0.5	40.5	141	45	30	2220	<5	18.8	135	217
1966	<0.5	29.0	40	57	16	7640	<5	31.5	36	177
1967	<0.5	20.6	8	18	13	1510	<5	9.3	6	104
1968	<0.5	22.2	14	37	48	1250	<5	3.4	13	181
1969	<0.5	18.5	27	25	16	2630	<5	10.7	25	129
1970	<0.5	21.0	74	30	9	1080	<5	19.8	56	145
1971	<0.5	22.1	56	31	21	950	<5	11.8	57	171
1972	<0.5	27.1	162	27	35	3390	<5	17.9	273	156
1973	<0.5	27.1	66	42	16	740	<5	9.1	58	272
1974	<0.5	9.6	93	9	2	160	5	14.8	93	113
1975	<0.5	19.3	14	17	9	460	<5	3.9	11	85
1976	<0.5	13.9	238	13	36	2740	14	11.5	221	60
1977	<0.5	25.0	157	20	56	1360	10	7.2	220	86
1978	<0.5	15.9	83	<5	71	340	<5	1.2	101	106
1979	<0.5	13.7	4	11	58	2990	<5	<0.5	11	21
1980	<0.5	21.8	151	15	60	8300	21	3.7	167	186
1981	<0.5	9.5	260	<5	38	1000	<5	4.2	283	55
1982	<0.5	13.1	55	18	13	160	<5	16.6	49	89
1983	<0.5	20.2	524	<5	92	8480	6	4.4	428	296
1984	<0.5	21.2	8	75	90	1300	12	<0.5	27	65
1985	<0.5	16.7	6	37	111	700	<5	<0.5	22	41
1986	<0.5	17.3	76	39	63	7940	8	1.1	92	216
1987	<0.5	12.7	66	<5	62	180	<5	1.7	79	63
1988	<0.5	15.7	510	19	52	6020	<5	16.3	502	89
1989	<0.5	14.9	163	36	19	1600	<5	24.2	187	181
1990	<0.5	9.4	295	7	23	1670	<5	19.7	304	31
1991	<0.5	9.5	149	<5	62	850	<5	7.1	157	36
1992	<0.5	12.6	184	22	57	11200	7	8.9	199	85
1993	<0.5	17.6	18	16	76	500	<5	<0.5	39	80

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1994	<0.5	17.3	276	29	51	3450	<5	16.4	312	82
1995	<0.5	16.0	285	25	58	4500	<5	17.9	358	67
1996	<0.5	22.2	47	28	66	10800	11	1.3	69	131
1997	<0.5	14.0	171	<5	44	2380	<5	6.0	180	69
1998	<0.5	12.5	70	28	21	3000	<5	17.2	90	141
1999	<0.5	21.7	31	19	74	950	6	0.7	50	82
2000	<0.5	10.9	8	<5	73	460	<5	<0.5	18	21
2001	<0.5	14.6	16	11	86	2580	<5	<0.5	33	71
2002	<0.5	18.6	427	13	37	14700	6	11.9	410	132
2003	<0.5	13.9	42	14	84	1060	<5	0.5	72	72
2004	<0.5	22.9	195	14	67	11900	6	4.1	243	218
2005	<0.5	29.4	171	13	51	14600	13	3.9	202	93
2006	<0.5	51.1	8	86	106	14400	15	0.6	15	154
2007	<0.5	30.9	29	30	96	12700	12	1.6	42	240
2008	<0.5	13.0	360	7	39	14300	<5	5.0	355	31
2009	<0.5	23.0	206	34	27	1450	<5	11.4	252	113
2010	<0.5	28.5	226	69	32	1620	<5	23.4	254	204
2011	<0.5	11.4	98	17	46	1630	<5	8.2	106	179
2012	<0.5	15.4	166	31	13	930	<5	27.4	140	199
2013	<0.5	15.9	851	14	49	2800	<5	26.5	865	62
2014	<0.5	10.7	1180	15	15	5340	<5	22.8	982	54
2015	<0.5	16.1	45	16	6	110	<5	11.3	37	106
2016	<0.5	9.1	12	5	89	2510	<5	0.5	25	80
2017	<0.5	23.7	30	16	4	130	<5	10.0	20	82
2018	<0.5	10.1	15	13	3	200	<5	7.8	14	52
2019	<0.5	9.0	15	11	3	200	<5	7.2	15	50
2020	<0.5	12.8	125	22	6	320	<5	21.7	126	116
2021	<0.5	19.4	162	29	11	1580	<5	15.2	187	132
2022	<0.5	12.4	17	19	3	410	<5	10.1	13	94
2023	<0.5	18.2	63	38	6	1700	<5	25.0	49	70
2024	<0.5	27.6	37	50	15	500	<5	19.9	27	163
2025	<0.5	12.1	45	15	2	160	<5	12.1	36	128
*Rep 1962	<0.5	9.5	43	8	2	250	<5	8.3	36	81
*Rep 1967	<0.5	21.5	22	21	11	1370	<5	7.5	18	120
*Rep 1982	<0.5	13.9	56	19	13	170	<5	18.6	51	96
*Rep 1996	<0.5	22.8	38	31	67	9440	10	1.2	59	132
*Rep 2014	<0.5	10.7	1410	16	16	5970	<5	22.8	1130	60
*Rep 2020	<0.5	11.8	69	16	4	210	<5	18.2	69	127
*Std MMISRM16	<0.5	38.7	4	<5	31	100	51	<0.5	15	237
*Std AMISO169	<0.5	40.2	384	<5	31	4630	<5	4.0	365	485
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1951	<0.1	50	<1	9	<1	40	<1	<5	9	<1
1952	<0.1	100	<1	8	<1	110	<1	<5	8	<1
1953	0.2	170	<1	14	<1	93	<1	<5	12	<1
1954	0.1	80	<1	16	<1	60	<1	<5	14	<1
1955	0.1	110	<1	7	<1	148	<1	<5	7	<1
1956	0.1	130	<1	10	<1	97	2	<5	9	<1
1957	0.1	130	<1	9	<1	102	2	<5	8	<1
1958	2.7	280	<1	23	<1	112	<1	47	19	3
1959	<0.1	10	<1	1	<1	79	<1	<5	2	<1
1960	<0.1	60	<1	6	<1	51	<1	7	13	<1
1961	5.9	150	<1	8	<1	187	<1	30	6	2
1962	4.7	310	<1	11	<1	131	<1	30	8	1
1963	7.7	430	2	168	<1	323	<1	149	123	1
1964	9.5	70	<1	10	<1	222	<1	53	8	5
1965	5.6	70	<1	36	<1	362	<1	97	25	2
1966	7.0	390	<1	9	<1	343	<1	75	8	4
1967	1.2	<10	<1	2	<1	255	<1	20	1	<1
1968	0.5	50	<1	3	<1	233	<1	72	3	<1
1969	3.5	160	<1	7	<1	269	<1	45	5	1
1970	8.9	90	<1	16	<1	333	<1	52	10	2
1971	3.4	310	<1	14	<1	354	<1	60	13	1
1972	3.8	630	<1	60	<1	342	<1	91	60	2
1973	2.9	160	<1	16	<1	333	<1	64	11	1
1974	9.9	70	<1	24	<1	188	<1	46	20	1
1975	1.7	40	<1	3	<1	463	<1	22	2	<1
1976	1.4	200	<1	58	<1	73	1	15	35	<1
1977	0.6	500	<1	52	<1	154	3	23	41	<1
1978	0.3	100	<1	25	<1	111	<1	5	18	<1
1979	<0.1	20	<1	2	<1	54	<1	<5	4	<1
1980	0.4	550	<1	42	<1	145	<1	26	29	<1
1981	0.5	50	<1	71	<1	77	<1	18	49	<1
1982	2.9	50	<1	13	<1	176	<1	34	9	2
1983	0.3	450	<1	114	<1	141	1	29	66	<1
1984	<0.1	<10	<1	4	<1	6	<1	<5	8	<1
1985	<0.1	20	<1	3	<1	48	<1	<5	8	<1
1986	0.2	140	<1	22	<1	62	<1	13	17	<1
1987	0.3	20	<1	19	<1	171	<1	7	14	<1
1988	1.5	150	<1	133	<1	202	<1	92	92	<1
1989	3.3	220	<1	46	<1	205	<1	63	39	3
1990	1.8	200	<1	76	<1	124	<1	13	51	<1
1991	0.8	30	<1	39	<1	154	<1	18	30	<1
1992	0.7	290	<1	52	<1	80	<1	41	35	<1
1993	0.1	30	<1	7	<1	87	<1	7	11	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1994	1.3	160	<1	79	<1	216	<1	57	58	1
1995	1.0	300	<1	91	<1	193	<1	91	71	<1
1996	0.3	70	<1	16	<1	37	<1	11	13	<1
1997	0.7	90	<1	46	<1	181	<1	40	35	<1
1998	2.0	490	<1	21	<1	179	<1	46	21	2
1999	0.2	30	<1	11	<1	52	<1	10	10	<1
2000	<0.1	20	<1	3	<1	71	<1	<5	6	<1
2001	<0.1	80	<1	6	<1	41	<1	<5	8	<1
2002	1.5	320	<1	109	<1	90	1	54	66	<1
2003	<0.1	30	<1	15	<1	47	<1	6	15	<1
2004	0.6	130	<1	61	<1	82	<1	68	45	<1
2005	0.4	230	<1	51	<1	38	1	14	32	<1
2006	0.2	100	<1	3	<1	14	<1	<5	4	<1
2007	0.5	70	<1	10	<1	18	<1	8	7	<1
2008	0.5	40	<1	92	<1	18	<1	10	55	<1
2009	1.4	290	<1	61	<1	279	<1	71	52	1
2010	3.5	420	<1	62	<1	289	<1	106	51	3
2011	1.6	80	<1	26	<1	105	<1	33	21	<1
2012	7.0	130	<1	38	<1	194	<1	64	26	4
2013	2.2	120	<1	217	<1	177	<1	118	153	2
2014	3.1	100	<1	263	<1	147	<1	100	165	1
2015	2.3	30	<1	10	<1	211	<1	26	7	1
2016	0.3	10	<1	5	<1	65	<1	<5	6	<1
2017	6.8	40	<1	6	<1	475	<1	30	4	1
2018	2.9	20	<1	4	<1	151	<1	32	3	1
2019	2.7	20	<1	4	<1	150	<1	28	3	<1
2020	6.3	50	<1	33	<1	225	<1	65	25	1
2021	2.1	500	<1	45	<1	311	<1	68	41	2
2022	4.3	70	<1	3	<1	269	<1	25	3	1
2023	6.0	320	<1	13	<1	218	<1	64	11	3
2024	4.0	60	<1	8	<1	336	<1	72	5	3
2025	8.3	150	<1	10	<1	129	<1	32	8	1
*Rep 1962	4.7	280	<1	9	<1	129	<1	28	7	1
*Rep 1967	3.6	30	<1	5	<1	333	<1	35	3	1
*Rep 1982	3.8	60	<1	13	<1	166	<1	38	10	3
*Rep 1996	0.3	80	<1	13	<1	34	<1	11	13	<1
*Rep 2014	3.7	110	<1	305	<1	137	<1	114	187	2
*Rep 2020	6.0	60	<1	19	<1	203	<1	49	13	1
*Std MMISRM16	0.3	80	32	3	<1	332	<1	8	4	<1
*Std AMISO169	3.0	120	<1	95	<1	234	<1	60	61	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1951	690	<1	1	<10	11.6	28	<0.5	145	<1	32
1952	540	<1	1	<10	12.9	36	<0.5	42	<1	31
1953	670	<1	1	<10	16.3	98	0.6	76	<1	38
1954	490	<1	2	<10	9.1	87	<0.5	56	<1	37
1955	860	<1	<1	<10	12.2	34	<0.5	73	<1	27
1956	340	<1	<1	<10	9.7	45	0.6	82	<1	25
1957	350	<1	<1	<10	9.3	37	0.8	96	<1	26
1958	430	1	3	<10	53.1	5080	0.8	9	1	77
1959	440	<1	<1	<10	2.1	29	1.1	2	<1	11
1960	1950	<1	3	<10	7.7	13	<0.5	8	<1	127
1961	90	<1	1	<10	19.2	2830	0.7	5	<1	32
1962	60	<1	1	<10	40.8	1520	0.6	7	<1	36
1963	340	2	19	<10	235	3210	<0.5	25	2	400
1964	70	2	1	<10	20.5	7160	0.7	5	1	30
1965	250	1	4	<10	143	4330	0.9	15	2	88
1966	110	2	1	<10	41.3	7880	0.9	8	2	55
1967	120	<1	<1	<10	26.5	1150	0.6	2	<1	6
1968	480	<1	<1	<10	52.0	791	0.9	3	<1	39
1969	160	<1	1	<10	53.8	2520	0.7	7	1	50
1970	80	1	2	<10	62.8	3970	0.9	8	1	32
1971	240	<1	4	<10	72.9	2890	0.8	10	1	134
1972	420	1	11	<10	102	4470	0.7	13	2	292
1973	180	<1	2	<10	52.5	1860	1.5	5	<1	64
1974	30	<1	3	<10	73.1	2190	0.6	7	1	46
1975	130	<1	<1	<10	22.7	846	0.9	4	<1	12
1976	1040	<1	4	<10	70.1	1030	<0.5	23	2	79
1977	990	<1	6	<10	107	780	0.6	22	2	132
1978	470	<1	2	<10	26.0	26	<0.5	34	<1	52
1979	500	<1	<1	<10	2.5	4	0.7	1	<1	18
1980	360	<1	4	<10	76.9	211	0.9	227	<1	93
1981	280	<1	6	<10	63.2	605	<0.5	17	<1	106
1982	160	1	1	<10	32.5	4690	<0.5	6	1	33
1983	530	<1	9	<10	129	85	0.6	57	<1	249
1984	840	<1	1	<10	4.9	15	<0.5	30	1	35
1985	570	<1	1	<10	1.9	5	<0.5	7	<1	37
1986	510	<1	2	<10	33.4	76	<0.5	101	<1	73
1987	470	<1	2	<10	33.8	160	0.7	12	<1	38
1988	460	1	13	<10	178	1900	1.4	17	2	306
1989	200	2	7	<10	62.2	4210	0.9	9	2	192
1990	430	1	6	<10	120	1640	1.1	8	4	142
1991	410	<1	4	<10	64.2	672	1.1	12	<1	83
1992	430	<1	5	<10	62.2	602	<0.5	20	2	115
1993	410	<1	2	<10	10.4	29	<0.5	29	<1	49

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1994	300	1	8	<10	103	2140	0.7	21	2	188
1995	470	1	10	<10	167	2270	1.6	21	2	241
1996	450	<1	2	<10	31.4	129	<0.5	75	<1	49
1997	420	<1	5	<10	46.8	872	<0.5	11	<1	135
1998	160	1	5	<10	54.6	3390	0.6	10	1	139
1999	510	<1	2	<10	19.2	67	<0.5	84	<1	44
2000	470	<1	<1	<10	5.7	14	<0.5	2	<1	26
2001	480	<1	1	<10	13.8	17	0.6	25	<1	37
2002	480	<1	9	<10	110	1220	<0.5	34	1	198
2003	1100	<1	3	<10	15.7	49	<0.5	10	<1	62
2004	870	<1	7	<10	100	569	<0.5	74	<1	187
2005	870	<1	4	<10	94.5	194	<0.5	67	1	102
2006	2870	<1	<1	<10	11.8	34	<0.5	14	13	22
2007	2490	<1	<1	<10	13.8	51	<0.5	50	<1	20
2008	470	<1	6	<10	69.7	464	<0.5	6	1	130
2009	290	<1	9	<10	83.5	2570	0.9	9	2	253
2010	270	2	8	<10	129	4310	1.2	11	2	204
2011	210	<1	3	<10	34.3	1290	<0.5	8	<1	69
2012	110	2	4	<10	80.3	5170	0.7	14	2	101
2013	550	2	19	<10	160	4940	1.2	21	3	425
2014	370	2	19	<10	173	3320	1.0	18	2	377
2015	90	<1	<1	<10	33.0	2620	0.8	5	<1	20
2016	350	<1	<1	<10	10.0	53	0.6	5	<1	22
2017	50	<1	<1	<10	35.1	2210	1.0	6	<1	18
2018	50	<1	<1	<10	17.8	1850	0.6	3	<1	13
2019	40	<1	<1	<10	20.0	1640	0.5	3	<1	16
2020	70	1	4	<10	107	3010	0.6	10	2	40
2021	190	<1	7	<10	67.4	3290	1.0	7	1	188
2022	60	<1	<1	<10	14.0	1830	0.6	3	<1	14
2023	50	2	2	<10	20.7	4790	0.7	6	1	46
2024	140	1	<1	<10	37.2	5200	0.9	6	2	22
2025	50	<1	1	<10	36.0	1440	<0.5	6	<1	37
*Rep 1962	60	<1	1	<10	39.3	1610	0.6	7	<1	35
*Rep 1967	90	<1	<1	<10	34.1	2960	0.8	4	<1	15
*Rep 1982	150	1	2	<10	35.1	5220	0.6	7	1	38
*Rep 1996	460	<1	2	<10	32.7	139	<0.5	73	<1	51
*Rep 2014	370	2	22	<10	192	3340	0.9	22	2	439
*Rep 2020	50	1	2	<10	75.9	2720	0.6	8	1	39
*Std MMISRM16	450	<1	<1	<10	21.8	14	<0.5	52	<1	9
*Std AMISO169	70	<1	7	<10	84.6	509	1.3	28	2	125
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1951	2	90	55
1952	3	30	48
1953	3	<20	53
1954	2	40	34
1955	3	80	45
1956	2	90	29
1957	2	90	30
1958	6	60	138
1959	<1	40	8
1960	11	140	<5
1961	3	110	41
1962	4	210	46
1963	39	2410	294
1964	3	220	91
1965	9	370	221
1966	5	1610	163
1967	1	110	61
1968	15	470	72
1969	9	760	85
1970	3	520	138
1971	14	730	106
1972	22	910	179
1973	10	950	119
1974	4	290	89
1975	3	310	41
1976	6	120	110
1977	12	80	168
1978	3	180	13
1979	1	80	9
1980	9	170	56
1981	7	130	65
1982	3	360	78
1983	21	120	55
1984	2	40	<5
1985	2	<20	<5
1986	7	210	21
1987	3	560	24
1988	30	2310	260
1989	15	880	137
1990	11	50	244
1991	6	200	81
1992	9	260	69
1993	3	30	14

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
1994	16	790	156
1995	26	2470	228
1996	4	90	31
1997	11	470	66
1998	11	1520	108
1999	4	130	21
2000	2	30	13
2001	3	70	25
2002	18	150	161
2003	6	170	24
2004	20	500	127
2005	10	80	104
2006	3	120	11
2007	2	490	7
2008	11	<20	95
2009	17	400	162
2010	15	650	292
2011	5	470	59
2012	9	260	172
2013	33	260	312
2014	29	480	217
2015	3	70	73
2016	2	80	11
2017	3	250	73
2018	3	30	49
2019	4	50	48
2020	5	120	183
2021	13	150	139
2022	2	260	46
2023	5	470	80
2024	3	290	125
2025	4	880	56
*Rep 1962	4	200	43
*Rep 1967	2	160	66
*Rep 1982	4	420	84
*Rep 1996	5	110	32
*Rep 2014	34	450	221
*Rep 2020	4	130	128
*Std MMISRM16	<1	250	17
*Std AMISO169	10	230	57
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110978

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jul 31, 2010

P.O. No. : EXPL-004
Project No. : -
No. Of Samples : 75
Date Submitted : Jul 16, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
2026	8	>300	<10	<0.1	1470	<1	10	17	54	131
2027	5	>300	20	0.1	1610	<1	20	12	778	141
2028	7	>300	10	<0.1	1110	<1	<10	7	126	65
2029	2	>300	20	<0.1	1290	<1	<10	8	155	31
2030	2	>300	10	<0.1	1270	<1	70	21	200	119
2031	3	298	<10	<0.1	1300	<1	50	8	111	83
2032	4	>300	<10	<0.1	1740	<1	30	8	134	91
2033	6	18	<10	0.4	950	<1	280	3	13	5
2034	2	10	<10	0.2	900	<1	170	3	19	48
2035	5	101	<10	<0.1	380	<1	310	12	344	112
2036	8	89	<10	0.3	740	<1	370	16	175	81
2037	8	20	10	0.2	1790	<1	270	5	184	38
2038	8	16	<10	0.3	890	<1	310	4	15	73
2039	11	16	<10	0.1	1250	<1	300	8	134	95
2040	2	124	<10	0.2	660	<1	370	7	97	10
2041	5	117	<10	<0.1	470	<1	400	38	163	94
2042	3	>300	10	<0.1	2210	<1	130	3	1020	43
2043	10	37	10	0.2	1960	<1	310	5	527	41
2044	5	23	20	0.1	1080	<1	250	3	187	22
2045	8	175	10	0.1	1100	2	360	5	700	43
2046	1	264	10	<0.1	500	<1	<10	9	144	25
2047	5	87	<10	0.1	890	<1	360	9	514	37
2048	2	31	<10	0.2	1020	<1	330	6	82	116
2049	4	111	<10	<0.1	500	<1	370	11	89	14
2050	11	11	<10	0.2	1150	<1	460	5	550	160
2051	2	>300	<10	<0.1	770	<1	<10	2	121	35
2052	1	94	<10	0.3	1280	<1	270	2	181	45
2053	4	249	10	0.2	1310	<1	80	7	476	213
2054	2	186	<10	<0.1	750	<1	130	20	80	71
2055	8	48	<10	0.2	880	<1	380	7	44	25
2056	<1	286	<10	<0.1	290	<1	30	2	104	58
2057	<1	177	10	<0.1	280	<1	30	<1	76	100
2058	5	104	<10	0.2	460	<1	330	17	354	97
2059	1	288	<10	<0.1	800	<1	60	3	286	80
2060	1	224	<10	0.3	1420	<1	50	14	571	41
2061	13	35	<10	0.2	1100	<1	400	5	111	56
2062	3	150	<10	<0.1	620	<1	180	19	171	99
2063	6	68	<10	0.2	870	<1	410	9	325	249
2064	9	20	<10	0.2	780	<1	340	6	12	97
2065	10	24	<10	0.1	1070	<1	440	13	206	223
2066	5	22	<10	0.2	830	<1	280	3	74	29
2067	3	13	<10	0.2	660	<1	270	2	<5	27
2068	12	25	<10	0.2	1040	<1	430	12	99	188

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
2069	7	37	<10	0.2	1110	<1	460	20	809	110
2070	19	12	<10	<0.1	1080	<1	520	5	8	167
2071	2	14	<10	0.2	1250	<1	250	2	157	50
2072	2	60	<10	<0.1	600	<1	220	4	378	53
2073	2	49	<10	<0.1	620	<1	250	4	346	46
2074	1	77	<10	<0.1	440	<1	180	3	221	82
2075	3	183	<10	<0.1	1070	<1	80	2	1040	43
2076	4	93	<10	0.2	2030	<1	340	8	892	233
2077	2	15	<10	0.1	1440	<1	270	2	250	43
2078	<1	59	<10	0.1	980	<1	300	2	738	118
2079	5	68	<10	0.2	1110	<1	340	9	840	118
2080	3	108	<10	<0.1	380	<1	290	4	184	23
2081	8	15	<10	0.1	3050	<1	200	5	49	20
2082	14	20	<10	0.2	1970	<1	260	10	90	56
2083	<1	162	10	<0.1	650	<1	150	27	419	121
2084	3	17	<10	0.3	1670	<1	230	4	108	22
2085	3	9	<10	0.3	1810	<1	180	4	62	34
2086	<1	4	<10	0.2	1280	<1	160	3	68	22
2087	26	28	<10	0.2	1450	<1	340	7	37	25
2088	8	125	<10	0.1	650	<1	230	34	847	82
2089	2	257	<10	<0.1	950	<1	60	7	137	200
2090	4	>300	20	<0.1	1540	1	20	13	674	116
2091	1	>300	<10	<0.1	1520	<1	10	16	83	88
2092	4	>300	10	<0.1	1230	<1	<10	14	85	42
2093	1	295	20	<0.1	730	<1	<10	17	63	37
2094	2	>300	10	<0.1	540	<1	20	10	125	55
2095	1	>300	<10	<0.1	1640	<1	10	7	76	90
2096	3	>300	10	<0.1	1390	<1	<10	10	116	59
2097	3	291	<10	<0.1	1180	<1	10	2	102	52
2098	3	>300	30	<0.1	2230	1	20	5	551	187
2099	4	6	10	0.1	330	<1	180	5	31	75
2100	10	115	<10	<0.1	840	<1	370	31	228	204
*Rep 2031	3	254	<10	<0.1	1080	<1	40	4	73	73
*Rep 2042	3	>300	10	<0.1	1800	<1	110	2	842	42
*Rep 2059	1	288	<10	<0.1	530	<1	50	3	138	64
*Rep 2072	2	57	<10	<0.1	560	<1	230	4	367	50
*Rep 2084	4	19	<10	0.6	1980	<1	250	5	110	27
*Rep 2098	4	>300	30	<0.1	2020	1	40	4	779	265
*Std MMISRM16	23	51	20	29.1	70	<1	210	5	9	76
*Std AMISO169	8	82	20	0.3	590	<1	40	2	943	153
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	7	<5
*Bik BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	10	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
2026	100	4.4	180	5	3.1	0.8	164	53	4	<1
2027	200	4.6	760	47	27.5	14.0	271	63	57	<1
2028	100	3.1	200	13	6.3	3.4	167	40	14	<1
2029	300	4.6	120	11	5.1	3.6	191	74	15	<1
2030	100	4.0	330	31	15.3	6.3	183	56	27	<1
2031	100	4.7	380	13	11.1	2.2	170	52	10	<1
2032	200	5.2	230	17	13.0	2.7	242	71	13	<1
2033	<100	0.7	480	10	4.2	4.4	5	24	17	<1
2034	<100	<0.5	310	4	1.6	1.4	4	22	6	<1
2035	<100	1.2	1620	20	10.5	7.5	106	10	30	<1
2036	<100	0.8	2090	13	7.7	4.6	20	19	20	<1
2037	<100	0.8	4580	25	14.2	7.8	35	48	36	<1
2038	<100	<0.5	790	9	5.7	1.8	5	22	11	<1
2039	<100	<0.5	1950	20	11.3	6.7	24	32	30	<1
2040	<100	3.1	220	12	6.3	3.7	26	17	17	<1
2041	<100	2.4	490	23	12.4	6.3	14	11	27	<1
2042	200	5.2	200	54	25.3	20.1	212	76	78	<1
2043	<100	1.6	4360	33	18.1	11.2	52	55	51	<1
2044	<100	2.3	2650	12	6.5	4.6	45	29	21	<1
2045	200	10.0	1680	30	16.2	10.4	118	43	43	<1
2046	<100	7.8	190	14	7.8	3.7	85	19	14	<1
2047	<100	1.9	470	23	10.7	9.4	70	26	40	<1
2048	<100	1.0	590	12	5.4	5.0	11	26	22	<1
2049	<100	2.6	250	12	6.0	3.6	12	12	16	<1
2050	<100	<0.5	3080	20	11.2	7.9	36	28	37	<1
2051	<100	5.2	230	9	4.4	2.8	102	31	11	<1
2052	<100	0.7	1080	66	45.1	17.5	8	33	80	<1
2053	100	4.8	930	95	69.9	13.3	315	48	61	<1
2054	<100	2.5	180	54	37.4	6.6	123	25	32	<1
2055	<100	<0.5	610	19	11.6	5.5	14	21	25	<1
2056	200	6.2	180	12	6.3	3.8	160	43	13	<1
2057	<100	2.5	460	6	3.4	1.5	388	20	7	<1
2058	200	1.4	1030	21	11.5	7.1	38	12	30	<1
2059	100	3.4	270	42	21.0	9.2	180	55	40	<1
2060	<100	3.6	420	110	58.6	29.2	58	45	125	<1
2061	<100	<0.5	880	18	10.6	5.4	15	27	25	<1
2062	100	0.9	580	44	33.5	7.4	210	18	36	<1
2063	100	<0.5	2670	20	13.7	5.6	33	21	26	<1
2064	<100	<0.5	970	11	7.1	2.2	7	19	12	<1
2065	<100	<0.5	2000	15	9.3	5.1	25	25	24	<1
2066	<100	0.8	330	8	3.3	3.5	13	20	14	<1
2067	<100	<0.5	670	12	7.7	2.4	3	16	14	<1
2068	<100	<0.5	3750	14	9.5	3.8	18	25	20	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
2069	<100	<0.5	4400	32	19.1	11.6	58	28	53	<1
2070	<100	<0.5	1710	14	12.6	1.8	4	25	12	<1
2071	<100	<0.5	1680	9	4.5	3.5	30	32	16	<1
2072	<100	2.5	680	13	6.7	5.2	107	17	22	<1
2073	<100	1.7	820	13	6.5	5.1	80	17	22	<1
2074	<100	2.1	610	11	6.0	4.1	108	13	17	<1
2075	400	4.4	100	82	44.4	24.9	247	40	107	<1
2076	100	3.8	3920	49	29.6	15.6	124	60	69	<1
2077	<100	1.2	2240	17	9.4	6.4	46	37	29	<1
2078	<100	1.2	1340	31	16.9	11.8	125	27	49	<1
2079	<100	<0.5	1740	49	26.6	16.2	242	29	70	<1
2080	<100	1.1	240	18	9.8	4.9	97	12	22	<1
2081	<100	1.2	4000	11	7.3	2.4	25	79	14	<1
2082	<100	1.4	9640	15	10.4	3.5	42	52	19	<1
2083	100	1.4	120	46	25.1	10.9	249	24	50	<1
2084	<100	<0.5	3610	11	6.6	3.2	45	44	16	<1
2085	<100	0.7	3470	10	5.9	2.6	22	46	14	<1
2086	<100	0.7	2950	9	5.1	2.7	25	32	13	<1
2087	<100	<0.5	3320	23	15.7	5.1	11	37	27	<1
2088	100	0.7	880	93	54.2	26.1	47	17	118	<1
2089	<100	2.9	1230	18	17.8	2.6	202	36	12	<1
2090	200	5.8	640	63	31.2	15.6	244	72	67	<1
2091	<100	2.6	330	12	8.1	1.4	133	52	7	<1
2092	100	4.3	160	11	6.2	2.3	115	48	10	<1
2093	100	2.6	120	8	4.5	1.6	237	37	7	<1
2094	<100	2.7	400	11	7.3	2.6	199	30	11	<1
2095	100	5.1	500	14	13.5	1.4	155	65	7	<1
2096	100	6.4	160	14	9.1	3.0	142	69	13	<1
2097	<100	3.5	410	8	5.2	1.8	218	45	8	<1
2098	300	10.1	600	24	12.2	8.3	372	100	35	<1
2099	<100	1.4	2730	10	5.1	3.8	8	8	16	<1
2100	100	<0.5	520	19	15.7	4.7	57	21	22	<1
*Rep 2031	<100	3.5	370	6	5.8	1.3	164	40	6	<1
*Rep 2042	200	5.6	170	48	22.4	16.0	203	69	64	<1
*Rep 2059	100	2.6	190	18	11.6	3.5	178	44	15	<1
*Rep 2072	<100	2.5	730	13	6.6	5.2	100	16	22	<1
*Rep 2084	<100	<0.5	4270	11	6.8	3.2	43	51	16	<1
*Rep 2098	300	7.7	570	41	21.2	13.7	315	88	56	<1
*Std MMISRM16	<100	11.5	760	2	1.0	1.1	2	2	4	5
*Std AMISO169	100	7.3	4520	37	16.1	14.9	55	25	66	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	1	<1
*Blk BLANK	<100	<0.5	20	<1	<0.5	<0.5	1	1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
2026	<0.5	28.1	13	14	4	750	<5	12.7	13	182
2027	<0.5	21.2	334	29	14	2380	<5	21.8	322	189
2028	<0.5	8.1	64	11	1	110	<5	8.3	63	135
2029	<0.5	53.0	93	17	3	450	<5	22.0	74	73
2030	<0.5	21.5	54	27	32	880	<5	14.6	100	186
2031	<0.5	26.9	45	26	31	880	<5	11.4	53	228
2032	<0.5	29.6	56	32	18	1890	<5	16.3	61	203
2033	<0.5	11.6	26	5	80	760	<5	<0.5	65	45
2034	<0.5	9.9	9	12	44	3240	<5	<0.5	25	82
2035	<0.5	10.1	119	<5	46	6590	7	4.6	173	175
2036	<0.5	14.9	81	6	58	9680	<5	2.1	111	161
2037	<0.5	26.4	65	12	60	1970	47	2.5	151	75
2038	<0.5	15.4	5	30	104	3500	<5	<0.5	21	52
2039	<0.5	28.4	50	69	99	3710	<5	1.3	121	193
2040	<0.5	16.4	46	<5	69	80	<5	2.7	71	99
2041	<0.5	8.0	60	<5	66	11100	<5	1.0	107	248
2042	<0.5	11.1	467	26	27	1040	<5	24.7	440	98
2043	<0.5	14.6	171	19	55	850	16	12.2	278	147
2044	<0.5	10.7	86	13	43	1970	14	9.4	121	83
2045	<0.5	13.3	327	48	48	1080	<5	21.8	267	107
2046	<0.5	12.8	59	7	2	70	<5	6.2	66	44
2047	<0.5	5.6	160	<5	53	110	<5	5.6	233	101
2048	<0.5	12.3	45	<5	80	2680	<5	0.8	92	79
2049	<0.5	15.8	39	<5	64	620	<5	0.5	67	143
2050	<0.5	21.9	173	17	126	12800	6	1.6	258	66
2051	<0.5	14.3	57	11	4	310	<5	8.1	59	102
2052	<0.5	12.3	137	<5	65	320	<5	0.8	295	32
2053	<0.5	15.8	162	25	31	8730	<5	17.0	256	126
2054	<0.5	22.7	34	<5	49	590	<5	1.3	88	203
2055	<0.5	12.7	44	5	91	2740	<5	0.8	95	108
2056	<0.5	6.6	45	6	7	770	9	23.5	59	142
2057	<0.5	33.3	30	29	20	1000	<5	14.1	35	256
2058	<0.5	19.2	110	<5	79	7200	<5	4.1	167	222
2059	<0.5	16.9	94	23	24	270	<5	15.0	160	178
2060	<0.5	19.1	309	6	20	660	<5	8.8	551	84
2061	<0.5	19.3	40	6	94	1090	<5	0.6	97	182
2062	<0.5	16.9	73	10	71	1060	<5	3.1	137	189
2063	<0.5	17.8	117	<5	112	6350	<5	2.5	156	198
2064	<0.5	17.0	9	9	118	3180	<5	<0.5	29	133
2065	<0.5	17.0	83	13	94	7960	<5	1.1	142	121
2066	<0.5	10.3	35	6	71	430	<5	0.9	70	71
2067	<0.5	12.3	6	28	114	860	<5	<0.5	25	69
2068	<0.5	18.6	31	38	126	6430	18	1.5	81	275

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
2069	<0.5	13.2	371	18	96	5740	<5	5.8	374	563
2070	<0.5	6.8	2	39	169	1880	<5	<0.5	14	168
2071	<0.5	18.7	65	14	61	9320	28	2.9	101	89
2072	<0.5	3.6	112	13	23	8210	13	5.9	152	116
2073	<0.5	1.9	100	12	37	3590	17	6.8	144	156
2074	<0.5	5.8	85	12	24	23700	9	5.5	112	112
2075	<0.5	5.5	398	24	20	380	<5	13.9	495	116
2076	<0.5	10.6	372	53	88	5260	20	10.2	414	880
2077	<0.5	5.5	113	9	56	4600	24	6.3	171	301
2078	<0.5	3.8	308	12	57	11800	56	9.3	334	541
2079	<0.5	5.3	340	7	67	4080	8	7.4	397	468
2080	<0.5	2.4	77	<5	43	600	<5	4.0	106	277
2081	<0.5	21.1	20	13	46	3840	30	0.7	45	84
2082	<0.5	22.2	36	22	54	9830	7	1.6	71	81
2083	<0.5	12.9	119	14	43	7810	<5	7.3	204	210
2084	<0.5	24.4	41	18	39	7070	42	2.0	73	82
2085	<0.5	19.8	19	31	57	6520	29	<0.5	49	71
2086	<0.5	18.4	21	22	51	6950	13	<0.5	55	43
2087	<0.5	20.3	26	18	130	300	<5	<0.5	75	99
2088	<0.5	25.1	439	<5	71	3070	<5	2.1	546	385
2089	<0.5	25.7	55	27	44	1070	<5	10.6	62	228
2090	<0.5	20.1	195	46	21	1660	<5	30.0	299	144
2091	<0.5	26.3	22	21	11	590	<5	10.2	25	119
2092	<0.5	18.6	35	12	4	150	<5	10.7	39	128
2093	<0.5	12.5	33	7	2	110	<5	15.9	31	153
2094	<0.5	18.0	52	18	14	350	<5	12.9	56	148
2095	<0.5	23.3	24	42	18	550	<5	17.0	29	119
2096	<0.5	30.5	42	27	8	700	<5	19.8	53	113
2097	<0.5	26.5	36	19	11	750	<5	12.3	44	121
2098	<0.5	33.1	181	82	24	2980	<5	31.4	204	205
2099	<0.5	9.0	31	7	47	1480	<5	0.9	69	169
2100	<0.5	12.0	88	6	112	34100	<5	1.8	118	380
*Rep 2031	<0.5	23.6	30	14	25	510	<5	7.1	33	174
*Rep 2042	<0.5	11.4	360	30	24	820	<5	23.8	345	106
*Rep 2059	<0.5	13.8	51	15	18	220	<5	12.8	68	180
*Rep 2072	<0.5	2.9	107	10	22	7960	13	5.6	149	118
*Rep 2084	<0.5	26.8	42	22	44	7850	40	2.1	75	96
*Rep 2098	<0.5	30.1	373	56	27	2020	<5	29.8	321	201
*Std MMISRM16	<0.5	44.1	1	<5	35	90	62	<0.5	12	280
*Std AMISO169	<0.5	48.5	447	<5	39	5710	<5	4.9	435	567
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5
*Bik BLANK	<0.5	0.1	1	<5	<1	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
2026	6.5	230	<1	3	<1	367	1	29	3	<1
2027	8.0	160	1	74	<1	366	2	107	60	2
2028	3.4	120	<1	14	<1	180	1	34	14	<1
2029	7.7	150	<1	18	<1	376	2	43	14	3
2030	3.1	530	<1	19	<1	416	<1	61	24	2
2031	3.4	50	<1	12	<1	405	<1	51	10	1
2032	4.8	140	<1	14	<1	323	<1	60	12	2
2033	0.1	10	<1	11	<1	103	<1	10	16	<1
2034	<0.1	30	<1	4	<1	70	<1	<5	6	<1
2035	0.5	220	<1	38	<1	98	1	32	31	<1
2036	0.3	190	<1	24	<1	103	1	14	20	<1
2037	0.2	520	<1	28	<1	99	4	12	33	<1
2038	<0.1	70	<1	3	<1	54	<1	5	7	<1
2039	0.4	160	<1	22	<1	20	<1	13	26	<1
2040	0.3	60	<1	14	<1	214	<1	14	15	<1
2041	0.2	100	<1	21	<1	136	<1	20	24	<1
2042	3.8	290	1	100	<1	181	<1	75	82	<1
2043	1.0	470	1	58	<1	167	5	23	51	<1
2044	0.7	290	<1	26	<1	133	2	12	21	<1
2045	2.1	450	<1	64	<1	157	1	64	44	2
2046	0.9	280	<1	15	<1	262	<1	38	14	<1
2047	0.8	60	<1	51	<1	78	<1	18	41	<1
2048	0.2	20	<1	17	<1	173	<1	7	20	<1
2049	0.2	40	<1	14	<1	194	<1	8	14	1
2050	0.1	70	<1	55	<1	21	<1	7	40	<1
2051	2.6	50	<1	14	<1	261	<1	25	12	<1
2052	0.1	130	<1	52	<1	176	<1	56	68	<1
2053	2.1	350	1	54	<1	257	<1	113	55	1
2054	0.2	290	<1	15	<1	189	<1	36	22	<1
2055	0.2	40	<1	18	<1	88	<1	16	21	<1
2056	4.6	40	<1	13	<1	84	<1	47	13	2
2057	3.1	30	<1	8	<1	52	<1	40	7	2
2058	0.7	50	<1	35	<1	149	<1	29	30	<1
2059	2.0	50	<1	32	<1	199	<1	51	35	1
2060	0.7	400	<1	105	<1	215	<1	103	118	<1
2061	0.2	30	<1	18	<1	93	<1	16	22	<1
2062	0.4	360	<1	27	<1	135	<1	50	30	<1
2063	0.2	140	<1	34	<1	46	<1	25	26	<1
2064	<0.1	40	<1	5	<1	20	<1	6	8	<1
2065	0.1	40	<1	29	<1	26	<1	8	24	<1
2066	0.2	10	<1	13	<1	88	<1	<5	14	<1
2067	<0.1	80	<1	4	<1	28	<1	<5	8	<1
2068	<0.1	270	<1	15	<1	10	1	8	18	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
2069	0.3	350	<1	83	<1	35	1	24	57	<1
2070	<0.1	70	<1	2	<1	52	<1	6	6	<1
2071	0.4	120	<1	22	<1	90	1	<5	17	<1
2072	0.7	100	<1	34	<1	35	<1	21	25	<1
2073	0.6	130	<1	32	<1	18	<1	19	24	<1
2074	0.6	50	<1	25	<1	71	<1	23	18	<1
2075	4.3	100	1	103	<1	60	<1	160	103	1
2076	0.7	840	<1	92	<1	83	2	92	71	1
2077	1.0	210	<1	36	<1	75	3	11	30	<1
2078	0.7	150	<1	75	<1	23	2	51	54	<1
2079	0.6	140	<1	87	<1	13	<1	92	71	<1
2080	0.9	50	<1	23	<1	30	<1	29	21	<1
2081	0.1	610	<1	8	<1	165	4	<5	10	<1
2082	0.2	710	<1	13	<1	241	6	9	15	<1
2083	2.2	460	<1	42	<1	68	<1	61	44	<1
2084	0.2	630	<1	15	<1	92	3	5	15	<1
2085	<0.1	540	<1	9	<1	110	2	<5	11	<1
2086	<0.1	220	<1	10	<1	108	2	<5	12	<1
2087	0.2	40	<1	13	<1	73	<1	11	20	<1
2088	0.4	190	<1	114	<1	168	<1	75	111	<1
2089	1.7	60	<1	15	<1	186	<1	56	12	1
2090	4.6	550	1	63	<1	334	<1	114	64	3
2091	3.5	370	<1	6	<1	310	<1	34	6	<1
2092	5.1	240	<1	9	<1	426	<1	31	9	1
2093	7.8	110	<1	7	<1	214	<1	27	6	1
2094	4.7	70	<1	13	<1	272	<1	40	11	2
2095	1.7	310	<1	7	<1	351	<1	65	6	2
2096	5.1	230	<1	11	<1	428	<1	49	11	3
2097	4.6	40	<1	10	<1	370	<1	36	9	1
2098	8.6	90	1	48	<1	429	1	107	37	4
2099	0.3	10	<1	12	<1	6	<1	<5	15	<1
2100	0.2	110	<1	27	<1	78	<1	28	21	<1
*Rep 2031	2.5	20	<1	8	<1	410	<1	34	6	<1
*Rep 2042	3.6	290	<1	78	<1	180	<1	67	65	1
*Rep 2059	2.4	50	<1	15	<1	156	<1	31	14	1
*Rep 2072	0.6	100	<1	34	<1	32	<1	19	24	<1
*Rep 2084	0.2	650	<1	15	<1	95	3	<5	15	<1
*Rep 2098	6.7	180	1	76	<1	383	<1	102	59	3
*Std MMISRM16	0.3	90	30	2	<1	369	1	8	4	<1
*Std AMIS0169	3.2	150	<1	97	<1	275	2	74	75	1
*Blk BLANK	<0.1	<10	<1	2	<1	<5	<1	<5	1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
2026	140	<1	<1	<10	30.0	2080	<0.5	4	<1	19
2027	200	1	8	<10	147	3700	<0.5	18	2	192
2028	100	<1	2	<10	29.9	1250	<0.5	6	<1	50
2029	80	1	2	<10	29.1	4440	<0.5	6	1	45
2030	330	<1	4	<10	51.8	3340	<0.5	6	1	129
2031	300	<1	2	<10	55.7	2590	<0.5	8	1	56
2032	200	<1	2	<10	65.5	3090	<0.5	7	1	74
2033	340	<1	2	<10	9.3	37	<0.5	8	<1	44
2034	250	<1	<1	<10	5.2	10	<0.5	4	<1	18
2035	230	<1	4	<10	49.9	230	<0.5	39	<1	95
2036	670	<1	2	<10	60.9	121	<0.5	60	<1	56
2037	2250	<1	4	<10	58.8	191	<0.5	71	1	101
2038	830	<1	1	<10	8.1	<3	<0.5	6	<1	40
2039	1770	<1	3	<10	41.6	49	<0.5	8	<1	83
2040	500	<1	2	<10	25.5	106	<0.5	9	<1	53
2041	430	<1	4	<10	23.9	19	<0.5	75	<1	103
2042	230	1	10	<10	119	2450	<0.5	18	1	212
2043	580	<1	6	<10	137	1280	<0.5	19	3	134
2044	230	<1	2	<10	58.5	779	<0.5	28	1	55
2045	280	1	5	<10	96.6	2300	<0.5	37	3	130
2046	30	<1	2	<10	41.4	1110	<0.5	7	<1	50
2047	420	<1	4	<10	82.0	613	<0.5	30	1	94
2048	480	<1	2	<10	17.6	34	<0.5	9	<1	50
2049	290	<1	2	<10	17.7	16	<0.5	32	<1	53
2050	2560	<1	4	<10	82.7	22	<0.5	60	<1	89
2051	70	<1	1	<10	32.6	1330	<0.5	5	<1	29
2052	950	<1	10	<10	45.4	32	<0.5	19	<1	215
2053	220	<1	11	<10	130	2340	<0.5	84	2	481
2054	290	<1	6	<10	27.8	172	<0.5	18	<1	237
2055	670	<1	3	<10	34.6	30	<0.5	11	<1	77
2056	130	1	2	<10	32.3	4000	<0.5	6	<1	45
2057	150	<1	<1	<10	40.3	2270	<0.5	11	1	24
2058	290	<1	4	<10	54.2	307	<0.5	14	<1	89
2059	180	<1	6	<10	61.8	2490	<0.5	7	1	45
2060	240	<1	17	<10	60.7	1470	<0.5	14	1	537
2061	840	<1	3	<10	44.9	21	<0.5	22	<1	69
2062	580	<1	6	<10	74.3	293	<0.5	23	<1	192
2063	970	<1	3	<10	59.3	46	<0.5	33	<1	90
2064	1060	<1	2	<10	11.7	6	<0.5	12	<1	44
2065	2380	<1	3	<10	70.3	18	<0.5	34	<1	61
2066	650	<1	2	<10	13.2	94	<0.5	31	<1	31
2067	1040	<1	2	<10	6.2	4	<0.5	11	<1	50
2068	1610	<1	2	<10	43.9	18	<0.5	98	<1	59

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
2069	1710	<1	6	<10	96.4	111	<0.5	583	2	152
2070	1910	<1	2	<10	6.5	7	<0.5	13	<1	56
2071	2840	<1	2	<10	38.3	229	<0.5	38	5	39
2072	1230	<1	3	<10	42.9	396	<0.5	67	2	57
2073	1990	<1	2	<10	47.1	266	<0.5	80	2	55
2074	660	<1	2	<10	25.8	372	<0.5	44	<1	49
2075	230	<1	13	<10	138	1930	<0.5	100	2	324
2076	1460	<1	8	<10	138	1020	<0.5	469	2	207
2077	740	<1	3	<10	78.5	559	<0.5	55	4	81
2078	1610	<1	6	<10	66.4	501	<0.5	207	2	148
2079	1530	<1	8	<10	109	389	<0.5	622	<1	220
2080	430	<1	3	<10	26.6	413	<0.5	45	<1	88
2081	700	<1	2	<10	20.5	72	<0.5	530	2	59
2082	880	<1	2	<10	28.8	196	<0.5	27	2	75
2083	520	<1	7	<10	73.9	1060	<0.5	70	<1	199
2084	1360	<1	2	<10	37.4	145	<0.5	264	1	52
2085	950	<1	2	<10	25.8	23	<0.5	33	1	46
2086	1020	<1	1	<10	31.1	9	<0.5	11	1	45
2087	720	<1	3	<10	17.8	28	<0.5	5	<1	104
2088	300	<1	15	<10	104	220	<0.5	49	<1	355
2089	240	<1	2	<10	101	2060	<0.5	12	1	79
2090	190	2	10	<10	188	6430	<0.5	17	2	224
2091	150	<1	1	<10	40.9	1950	<0.5	5	<1	49
2092	100	<1	2	<10	31.5	2270	<0.5	6	<1	45
2093	110	<1	1	<10	22.6	2400	<0.5	4	<1	32
2094	180	<1	2	<10	59.5	3080	<0.5	7	<1	46
2095	180	<1	1	<10	75.2	3970	<0.5	7	2	57
2096	120	1	2	<10	34.5	5050	<0.5	6	2	69
2097	160	<1	1	<10	50.1	2640	<0.5	6	1	29
2098	180	2	4	<10	126	5780	<0.5	11	2	96
2099	300	<1	2	<10	7.6	75	<0.5	66	<1	57
2100	560	<1	3	<10	63.0	53	<0.5	55	<1	93
*Rep 2031	270	<1	<1	<10	39.6	1570	<0.5	6	<1	70
*Rep 2042	200	1	8	<10	106	2460	<0.5	18	1	186
*Rep 2059	160	<1	2	<10	40.0	2460	<0.5	6	<1	50
*Rep 2072	1280	<1	2	<10	42.8	292	<0.5	70	2	56
*Rep 2084	1520	<1	2	<10	40.6	156	<0.5	390	1	51
*Rep 2098	250	2	7	<10	128	5440	<0.5	13	2	166
*Std MMISRM16	420	<1	<1	<10	20.7	8	<0.5	55	<1	9
*Std AMISO169	110	<1	7	<10	97.6	631	<0.5	34	2	134
*Bik BLANK	<10	<1	<1	<10	0.5	19	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	46	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
2026	3	1480	68
2027	23	760	260
2028	5	100	50
2029	4	270	106
2030	12	870	112
2031	10	540	120
2032	12	920	174
2033	3	130	12
2034	1	40	10
2035	9	170	41
2036	7	390	54
2037	13	50	108
2038	5	120	9
2039	10	140	55
2040	5	460	28
2041	9	920	26
2042	20	820	199
2043	17	140	231
2044	6	160	136
2045	13	160	162
2046	7	50	77
2047	8	700	70
2048	4	270	19
2049	5	1080	16
2050	11	90	64
2051	4	150	60
2052	43	360	37
2053	60	910	272
2054	29	690	24
2055	11	100	32
2056	5	380	51
2057	3	230	78
2058	10	320	60
2059	5	440	85
2060	47	130	110
2061	10	150	40
2062	32	1330	95
2063	14	520	47
2064	7	90	11
2065	9	90	54
2066	3	60	17
2067	8	90	8
2068	10	50	35

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
2069	19	50	43
2070	14	150	6
2071	4	90	31
2072	6	300	43
2073	6	280	32
2074	5	160	42
2075	37	90	224
2076	27	170	121
2077	9	30	89
2078	15	110	67
2079	22	340	117
2080	8	120	44
2081	7	80	34
2082	11	40	62
2083	19	370	84
2084	7	60	113
2085	6	110	27
2086	5	40	31
2087	16	240	22
2088	47	1270	111
2089	18	220	125
2090	25	440	363
2091	7	710	81
2092	5	520	71
2093	4	350	52
2094	6	230	100
2095	13	560	158
2096	8	360	113
2097	5	170	105
2098	11	600	281
2099	4	150	31
2100	17	960	65
*Rep 2031	6	460	113
*Rep 2042	17	720	178
*Rep 2059	5	350	89
*Rep 2072	6	340	39
*Rep 2084	7	70	110
*Rep 2098	17	860	261
*Std MMISRM16	<1	280	17
*Std AMIS0169	13	280	71
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111211

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 13, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3751	2	292	<10	<0.1	1690	<1	<10	4	133	41
3752	2	262	10	0.1	3190	<1	10	3	864	50
3753	1	>300	<10	<0.1	380	<1	<10	5	116	56
3754	6	290	<10	<0.1	2330	3	40	2	292	49
3755	14	106	<10	0.3	3880	1	440	11	411	83
3756	9	20	20	0.2	2470	<1	410	5	149	38
3757	<1	243	<10	<0.1	230	<1	10	2	7	32
3758	1	271	<10	<0.1	1640	<1	<10	5	88	31
3759	6	9	10	0.1	3500	<1	320	2	53	23
3760	1	213	20	0.1	3850	<1	40	6	659	379
3761	2	184	<10	0.2	3040	<1	170	6	582	91
3762	<1	170	10	0.2	3180	<1	130	3	996	45
3763	2	183	<10	<0.1	1410	<1	20	9	894	46
3764	3	85	<10	0.2	1480	<1	330	3	1140	22
3765	4	217	10	<0.1	380	<1	<10	15	99	21
3766	3	214	20	<0.1	2500	<1	30	7	604	56
3767	2	134	<10	<0.1	850	<1	20	2	100	101
3768	1	234	<10	<0.1	350	2	<10	26	37	74
3769	2	201	10	<0.1	1180	<1	50	29	344	127
3770	2	232	<10	<0.1	880	<1	<10	6	390	44
3771	2	230	20	<0.1	320	2	<10	15	65	11
3772	<1	240	30	<0.1	360	3	<10	13	54	27
3773	3	131	<10	<0.1	400	<1	30	7	443	57
3774	3	165	20	<0.1	260	<1	<10	5	236	23
3775	6	124	<10	<0.1	130	<1	<10	10	264	42
3776	1	285	50	<0.1	520	2	<10	12	112	38
3777	1	234	40	0.2	310	2	<10	7	85	13
3778	2	7	<10	<0.1	490	<1	270	3	20	15
3779	2	5	10	0.3	860	<1	190	1	101	10
3780	1	16	<10	<0.1	270	<1	190	1	39	<5
3781	6	37	<10	0.3	1790	<1	410	6	26	10
3782	10	51	<10	0.2	1010	<1	420	9	368	57
3783	5	65	<10	0.2	2240	<1	410	4	153	34
3784	11	36	<10	0.3	2460	<1	410	9	151	25
3785	4	187	<10	0.2	2300	<1	170	4	286	43
3786	4	56	<10	0.1	1430	<1	320	3	264	15
3787	<1	62	<10	0.2	1220	<1	470	7	384	144
3788	2	109	<10	0.2	1090	<1	360	3	139	21
3789	4	48	<10	0.1	1160	<1	360	25	182	233
3790	18	8	<10	0.2	3290	<1	610	3	238	77
3791	12	70	<10	0.2	3720	2	370	7	1190	53
3792	4	104	<10	0.1	2480	<1	190	1	81	224
3793	7	115	<10	0.1	2580	<1	340	11	1030	80

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3794	6	210	10	0.2	4070	<1	100	5	2150	50
3795	2	162	<10	0.2	3420	<1	100	4	916	34
3796	2	206	<10	<0.1	1220	<1	<10	2	368	27
3797	2	121	<10	<0.1	520	<1	<10	3	344	21
3798	9	32	<10	0.2	1750	<1	340	2	145	10
3799	41	58	<10	<0.1	1490	<1	570	39	133	147
3800	4	13	<10	0.1	1050	<1	410	6	18	444
3801	13	15	<10	0.1	1850	<1	460	6	151	43
3802	6	11	<10	0.1	1060	<1	390	4	12	348
3803	8	12	<10	<0.1	1410	<1	330	5	12	170
3804	7	29	40	0.1	3140	<1	500	2	53	141
3805	10	27	<10	0.2	3980	<1	390	6	102	58
3806	17	45	<10	0.2	3150	<1	530	11	281	52
3807	8	41	<10	0.1	1760	<1	580	4	45	49
3808	5	13	<10	<0.1	2400	<1	280	2	216	12
3809	4	36	<10	0.2	1420	<1	400	3	75	6
3810	3	23	<10	0.1	920	<1	360	4	9	8
3811	2	16	<10	<0.1	700	<1	270	2	33	6
3812	3	14	<10	0.2	4140	<1	450	2	69	26
3813	6	45	<10	0.1	1220	<1	470	7	149	74
3814	4	280	<10	<0.1	2040	<1	10	21	174	51
3815	7	228	<10	<0.1	2360	<1	<10	19	60	53
3816	16	61	<10	0.5	1700	<1	370	9	62	13
3817	5	137	<10	<0.1	900	<1	<10	8	417	36
3818	10	15	<10	0.4	1500	<1	370	5	14	20
3819	11	21	<10	0.2	4060	<1	390	8	61	36
3820	3	92	<10	0.1	1510	<1	420	3	134	18
3821	2	60	<10	0.1	1390	<1	340	3	174	22
3822	2	163	<10	<0.1	3410	<1	100	3	951	59
3823	6	28	<10	0.4	1070	<1	450	3	18	36
3824	10	90	10	0.2	2600	<1	250	11	2330	164
3825	9	154	10	0.1	1500	1	220	8	141	163
*Rep 3760	1	188	20	0.1	3330	<1	60	6	525	298
*Rep 3770	2	191	<10	<0.1	1140	<1	<10	6	436	45
*Rep 3782	8	82	<10	0.3	860	<1	390	10	411	39
*Rep 3801	11	23	<10	0.2	1800	<1	480	4	159	37
*Rep 3811	3	20	<10	0.1	580	<1	300	3	34	12
*Rep 3822	2	178	<10	<0.1	3190	<1	90	2	1160	57
*Std MMISRM16	20	38	10	27.7	50	<1	240	4	12	58
*Std AMISO169	8	54	10	0.3	630	<1	30	1	641	105
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3751	<100	4.8	190	13	7.8	2.8	103	18	10	<1
3752	200	5.3	680	43	19.2	15.7	103	21	56	<1
3753	200	13.3	140	15	7.6	3.1	56	47	12	<1
3754	100	5.8	2830	16	10.8	4.5	105	13	16	<1
3755	<100	4.1	8070	23	14.4	6.3	76	9	26	<1
3756	<100	0.6	5230	12	7.2	3.6	27	2	15	<1
3757	<100	1.1	40	<1	1.5	<0.5	105	12	<1	<1
3758	100	3.7	90	6	4.1	1.6	127	18	5	<1
3759	<100	<0.5	3630	9	5.7	2.5	13	<1	12	<1
3760	100	8.2	950	45	24.8	12.2	211	16	48	<1
3761	<100	1.9	670	104	50.9	28.9	84	11	120	<1
3762	<100	2.7	700	107	50.9	29.3	54	11	118	<1
3763	<100	2.9	570	155	73.6	39.7	49	11	176	<1
3764	<100	<0.5	1060	171	106	44.8	12	9	207	2
3765	<100	5.9	150	13	5.3	4.0	37	13	14	<1
3766	<100	4.6	480	80	41.0	20.1	111	24	82	<1
3767	<100	3.4	1250	5	2.7	1.3	280	8	5	<1
3768	<100	1.1	130	6	5.2	1.3	104	21	4	<1
3769	<100	1.6	550	72	40.3	13.0	161	16	61	<1
3770	<100	4.8	120	33	15.4	9.2	90	30	36	<1
3771	200	2.1	110	5	2.7	1.7	189	48	5	<1
3772	200	3.1	100	4	2.3	1.6	139	45	5	<1
3773	100	4.1	270	21	9.8	7.1	71	13	24	<1
3774	<100	3.4	90	10	4.3	4.3	101	38	14	<1
3775	<100	5.5	170	24	12.5	8.5	55	11	28	<1
3776	300	8.4	110	6	2.9	2.0	251	54	7	<1
3777	200	3.2	100	4	2.1	1.6	206	56	5	1
3778	<100	<0.5	610	2	0.9	0.9	4	<1	4	<1
3779	<100	0.5	870	4	2.0	1.9	10	1	8	<1
3780	<100	1.2	260	2	1.2	1.1	6	<1	4	<1
3781	<100	<0.5	470	10	5.0	3.3	10	<1	14	<1
3782	<100	0.7	1650	26	14.7	7.6	17	3	33	<1
3783	<100	0.9	590	19	11.2	5.0	15	2	23	<1
3784	<100	0.5	860	23	13.6	5.9	12	1	29	<1
3785	<100	3.1	440	49	27.6	9.4	167	11	41	<1
3786	<100	1.5	350	12	5.7	5.7	18	3	21	<1
3787	<100	0.7	3080	17	11.5	5.2	44	3	22	<1
3788	<100	3.4	370	17	9.8	4.6	42	5	18	<1
3789	<100	0.7	2470	14	9.9	3.5	173	2	14	<1
3790	<100	<0.5	5760	19	12.0	5.8	30	2	26	<1
3791	100	2.6	4500	39	20.1	13.2	61	8	53	<1
3792	<100	2.9	7470	6	7.5	1.5	276	6	5	<1
3793	100	0.7	830	125	89.9	25.8	41	8	124	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3794	100	1.7	550	190	102	55.6	73	21	224	<1
3795	<100	3.5	760	159	78.8	34.8	46	11	157	<1
3796	<100	7.4	200	41	18.3	10.3	58	13	41	<1
3797	<100	4.4	220	42	17.8	12.2	26	10	46	<1
3798	<100	0.7	550	25	11.7	9.2	9	2	39	1
3799	<100	<0.5	1510	12	7.3	3.4	8	1	15	<1
3800	<100	<0.5	950	4	2.4	0.9	5	<1	5	<1
3801	<100	0.7	3460	10	5.4	3.3	18	1	15	<1
3802	<100	<0.5	1620	6	3.6	1.2	2	<1	6	<1
3803	<100	<0.5	1490	5	2.8	1.1	2	<1	6	<1
3804	<100	0.5	5370	12	7.4	2.7	7	1	14	<1
3805	<100	<0.5	7590	13	8.5	3.6	27	2	17	<1
3806	<100	1.0	8160	15	8.6	4.8	21	3	21	<1
3807	<100	<0.5	1210	15	9.5	3.8	9	<1	19	<1
3808	<100	<0.5	2020	9	4.6	3.9	23	2	15	<1
3809	<100	0.6	540	12	5.1	4.6	7	<1	19	<1
3810	<100	<0.5	290	4	1.9	1.4	7	<1	6	<1
3811	<100	1.8	80	1	0.7	0.8	8	1	3	<1
3812	<100	<0.5	2180	9	5.4	2.5	20	1	11	<1
3813	<100	0.8	1560	7	3.2	3.0	16	1	11	<1
3814	100	5.4	710	37	20.6	5.0	138	21	22	<1
3815	<100	5.0	270	24	15.4	2.9	74	12	13	<1
3816	<100	<0.5	780	37	18.2	12.4	9	2	53	1
3817	<100	6.2	430	62	26.8	21.7	29	10	73	<1
3818	<100	0.9	580	10	4.0	4.6	3	<1	19	<1
3819	<100	1.1	9260	10	6.8	2.6	25	3	12	<1
3820	<100	1.3	240	11	5.2	4.1	6	1	16	<1
3821	<100	1.1	530	21	10.4	7.6	15	3	32	<1
3822	<100	3.9	710	74	35.2	17.8	67	10	77	<1
3823	<100	<0.5	1020	17	11.3	3.4	7	<1	19	3
3824	100	0.9	2200	75	41.1	24.8	184	11	103	<1
3825	<100	3.6	8930	14	9.8	2.8	290	4	12	<1
*Rep 3760	100	7.4	850	48	26.7	11.7	154	11	46	<1
*Rep 3770	<100	4.4	150	42	20.7	11.7	80	23	46	<1
*Rep 3782	<100	0.9	1060	30	17.2	8.6	22	3	37	<1
*Rep 3801	<100	0.8	3150	9	4.8	3.1	22	1	13	<1
*Rep 3811	<100	1.7	80	2	0.6	0.8	9	1	3	<1
*Rep 3822	<100	4.3	700	73	33.6	17.6	80	15	75	<1
*Std MMISRM16	<100	10.8	690	2	0.7	0.7	2	<1	3	12
*Std AMISO169	<100	7.1	3870	25	10.7	9.5	38	12	38	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3751	<0.5	14.1	48	6	3	480	<5	10.3	55	76
3752	<0.5	10.8	246	8	2	4720	<5	14.6	331	57
3753	<0.5	9.8	44	8	2	1590	<5	23.3	53	145
3754	<0.5	6.5	112	16	20	140	<5	17.5	113	89
3755	<0.5	16.4	187	35	61	3430	12	7.6	178	122
3756	<0.5	25.9	51	28	68	2010	75	1.3	87	123
3757	<0.5	10.2	3	<5	5	260	<5	1.5	2	122
3758	<0.5	15.5	28	8	4	540	<5	8.5	28	81
3759	<0.5	27.6	16	34	86	1920	15	<0.5	39	96
3760	<0.5	16.5	286	11	21	14800	<5	20.2	298	115
3761	<0.5	14.5	323	5	54	3090	<5	5.3	634	101
3762	<0.5	16.3	347	<5	38	1830	<5	10.2	589	58
3763	<0.5	14.4	321	<5	12	1860	<5	2.6	913	85
3764	<0.5	17.8	860	6	81	810	<5	<0.5	987	81
3765	<0.5	11.3	36	<5	<1	1550	<5	2.5	62	39
3766	<0.5	18.7	222	7	17	2460	<5	18.4	380	58
3767	<0.5	24.6	31	<5	14	2540	<5	9.9	31	139
3768	<0.5	10.3	13	<5	2	230	<5	6.4	16	73
3769	<0.5	26.7	133	8	27	4910	<5	9.8	249	199
3770	<0.5	17.8	112	7	3	530	<5	14.0	174	43
3771	<0.5	10.1	32	<5	1	490	<5	17.5	30	26
3772	<0.5	15.8	26	13	2	970	<5	12.5	24	50
3773	<0.5	15.4	119	<5	2	1940	<5	5.4	148	95
3774	<0.5	11.5	84	<5	<1	910	<5	9.6	92	36
3775	<0.5	6.5	77	<5	<1	440	<5	1.9	136	54
3776	<0.5	26.2	57	28	5	560	<5	31.5	42	83
3777	<0.5	10.5	43	19	3	140	<5	19.7	33	42
3778	<0.5	7.4	12	19	37	640	<5	<0.5	21	54
3779	<0.5	5.6	34	8	19	1630	7	<0.5	51	26
3780	<0.5	1.7	18	<5	21	220	10	<0.5	27	25
3781	<0.5	15.9	43	8	82	240	<5	<0.5	65	67
3782	<0.5	17.4	137	<5	77	3150	<5	0.9	185	199
3783	<0.5	13.0	64	6	79	680	<5	<0.5	107	74
3784	<0.5	16.0	77	23	85	360	<5	<0.5	123	112
3785	<0.5	13.1	115	8	54	710	<5	7.1	172	111
3786	<0.5	9.8	136	<5	51	360	<5	1.7	154	48
3787	<0.5	23.4	141	12	78	9920	18	6.1	165	270
3788	<0.5	18.6	61	<5	57	290	<5	2.4	86	49
3789	<0.5	13.1	68	6	55	14600	12	4.0	94	371
3790	<0.5	20.4	95	17	108	8060	<5	0.6	152	69
3791	<0.5	8.6	477	16	50	1200	14	14.2	432	153
3792	<0.5	10.9	37	25	34	570	<5	4.0	37	471
3793	<0.5	12.3	490	20	72	9770	<5	2.3	591	208

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3794	<0.5	12.6	1200	10	24	3790	<5	16.8	1270	63
3795	<0.5	11.3	406	<5	41	540	<5	4.0	697	41
3796	<0.5	16.1	105	7	2	410	<5	8.1	183	43
3797	<0.5	16.4	97	<5	<1	230	<5	2.7	212	33
3798	<0.5	12.8	121	<5	88	260	<5	<0.5	186	43
3799	<0.5	16.3	62	7	112	20800	<5	<0.5	84	487
3800	<0.5	21.4	4	34	105	6370	<5	<0.5	11	138
3801	<0.5	22.8	43	17	102	1480	18	0.7	78	126
3802	<0.5	18.2	4	25	135	9030	<5	<0.5	12	378
3803	<0.5	20.9	4	32	102	6110	<5	<0.5	12	55
3804	<0.5	40.7	20	55	124	2810	243	1.0	41	559
3805	<0.5	46.5	33	36	91	3200	72	0.5	70	245
3806	<0.5	34.5	127	29	86	11900	94	1.9	142	240
3807	<0.5	25.6	37	29	115	3080	<5	<0.5	68	132
3808	<0.5	12.8	99	6	23	2680	<5	3.5	108	55
3809	<0.5	19.7	53	<5	78	290	<5	<0.5	87	39
3810	<0.5	17.1	10	9	82	870	<5	<0.5	21	36
3811	<0.5	10.5	14	24	32	1770	5	0.6	20	28
3812	<0.5	42.7	22	52	89	1190	7	<0.5	43	103
3813	<0.5	13.3	58	<5	89	11200	<5	0.8	76	175
3814	<0.5	30.0	70	13	10	1730	<5	12.3	90	139
3815	<0.5	17.8	17	<5	7	230	<5	5.4	35	121
3816	<0.5	18.9	149	<5	112	1660	<5	<0.5	220	92
3817	<0.5	12.2	104	<5	<1	1870	<5	4.0	321	30
3818	<0.5	17.0	48	20	70	970	<5	<0.5	89	94
3819	<0.5	52.0	25	40	94	1870	16	0.7	43	141
3820	<0.5	10.8	78	<5	72	770	<5	<0.5	94	29
3821	<0.5	17.3	152	<5	72	300	<5	1.1	192	49
3822	<0.5	22.5	210	<5	35	1120	<5	6.5	357	51
3823	<0.5	18.0	19	9	125	2420	<5	<0.5	44	91
3824	<0.5	10.8	1070	5	40	9840	<5	11.0	802	135
3825	<0.5	9.7	69	17	20	1660	6	5.7	70	332
*Rep 3760	<0.5	16.7	214	6	24	19600	<5	15.6	254	95
*Rep 3770	<0.5	20.4	146	<5	3	670	<5	12.4	232	40
*Rep 3782	<0.5	15.7	159	<5	65	2580	<5	0.8	205	169
*Rep 3801	<0.5	22.3	48	16	95	1990	28	1.3	77	139
*Rep 3811	<0.5	11.6	14	27	36	3150	8	0.7	20	36
*Rep 3822	<0.5	21.9	221	6	31	1320	<5	10.6	360	51
*Std MMISRM16	<0.5	37.4	3	<5	29	90	50	<0.5	10	221
*Std AMISO169	<0.5	38.7	339	<5	27	4040	<5	2.6	315	438
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	1	<5	<1	20	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3751	3.4	250	<1	13	<1	252	<1	26	11	<1
3752	2.7	140	<1	76	<1	189	<1	57	67	<1
3753	13.8	200	<1	12	<1	166	<1	50	12	2
3754	2.2	180	<1	30	<1	118	<1	76	21	<1
3755	0.8	840	<1	46	<1	122	2	47	30	<1
3756	0.1	730	<1	19	<1	44	3	8	16	<1
3757	0.5	20	<1	<1	<1	173	<1	8	<1	<1
3758	2.4	130	<1	7	<1	206	<1	24	6	<1
3759	0.1	700	<1	7	<1	44	2	<5	10	<1
3760	1.5	230	<1	76	<1	271	<1	82	56	<1
3761	0.6	310	<1	129	<1	145	<1	118	137	<1
3762	0.6	360	<1	126	<1	248	<1	107	130	<1
3763	0.3	340	<1	185	<1	135	<1	61	181	<1
3764	0.1	140	<1	213	<1	106	<1	68	200	<1
3765	2.7	510	<1	13	<1	131	1	32	15	<1
3766	3.3	550	<1	80	<1	226	<1	106	85	<1
3767	2.0	30	<1	8	<1	150	<1	23	6	<1
3768	7.5	430	<1	4	<1	50	<1	29	9	2
3769	3.1	600	<1	51	<1	108	<1	65	57	<1
3770	3.7	390	<1	38	<1	234	<1	50	36	2
3771	10.0	530	<1	7	<1	75	<1	28	6	3
3772	5.7	760	<1	6	<1	69	<1	26	5	2
3773	2.4	470	<1	35	<1	190	<1	59	31	<1
3774	3.4	360	<1	23	<1	114	<1	24	17	2
3775	1.2	450	<1	30	<1	121	<1	38	32	<1
3776	4.8	450	<1	11	<1	269	1	35	8	5
3777	8.9	610	<1	9	<1	89	<1	28	6	6
3778	0.4	20	<1	4	<1	21	<1	<5	4	<1
3779	0.2	90	<1	11	<1	52	<1	<5	9	<1
3780	0.5	60	<1	6	<1	39	<1	<5	5	<1
3781	<0.1	20	<1	14	<1	67	<1	6	14	<1
3782	0.1	90	<1	43	<1	89	<1	13	35	<1
3783	0.1	50	<1	23	<1	109	<1	17	22	<1
3784	<0.1	30	<1	26	<1	117	<1	14	26	<1
3785	0.8	380	<1	38	<1	175	<1	41	39	<1
3786	0.3	20	<1	37	<1	134	<1	13	27	<1
3787	0.2	390	<1	40	<1	67	1	19	27	<1
3788	0.2	120	<1	19	<1	183	<1	21	18	<1
3789	0.2	350	<1	22	<1	62	<1	38	16	<1
3790	<0.1	190	<1	32	<1	41	<1	<5	27	<1
3791	1.0	510	<1	114	<1	135	2	44	68	<1
3792	0.4	20	<1	10	<1	217	<1	46	6	<1
3793	0.3	190	<1	139	<1	106	<1	72	117	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3794	1.3	240	<1	294	<1	220	<1	154	244	<1
3795	0.3	310	<1	144	<1	242	<1	100	145	<1
3796	0.5	330	<1	39	<1	324	<1	51	39	<1
3797	0.3	350	<1	42	<1	244	<1	52	49	<1
3798	0.2	20	<1	39	<1	131	<1	15	39	<1
3799	<0.1	40	<1	19	<1	107	<1	6	16	<1
3800	<0.1	40	<1	2	<1	168	<1	<5	3	<1
3801	0.2	430	<1	17	<1	179	2	5	15	<1
3802	<0.1	140	<1	2	<1	210	<1	<5	4	<1
3803	<0.1	90	<1	2	<1	102	<1	<5	4	<1
3804	0.2	1040	<1	8	<1	201	2	6	10	<1
3805	0.2	1040	<1	14	<1	79	3	7	15	<1
3806	0.4	660	<1	35	<1	119	3	11	24	<1
3807	<0.1	40	<1	14	<1	63	<1	9	16	<1
3808	0.6	140	<1	26	<1	48	<1	<5	18	<1
3809	<0.1	20	<1	18	<1	119	<1	8	19	<1
3810	<0.1	10	<1	4	<1	75	<1	<5	5	<1
3811	0.3	20	<1	4	<1	45	<1	<5	4	<1
3812	<0.1	550	<1	9	<1	54	<1	6	10	<1
3813	0.3	50	<1	18	<1	97	<1	<5	13	<1
3814	2.7	400	<1	21	<1	334	<1	62	20	<1
3815	0.6	460	<1	7	<1	335	<1	39	9	<1
3816	0.4	20	<1	46	<1	112	<1	33	51	<1
3817	0.9	380	<1	64	<1	218	<1	88	89	<1
3818	<0.1	10	<1	17	<1	258	<1	6	19	<1
3819	0.1	780	<1	9	<1	109	3	10	10	<1
3820	0.1	20	<1	22	<1	148	<1	12	18	<1
3821	0.2	20	<1	44	<1	139	<1	14	36	<1
3822	0.2	580	<1	76	<1	276	<1	61	76	<1
3823	<0.1	30	<1	7	<1	31	<1	10	13	<1
3824	2.0	320	<1	210	<1	120	<1	91	128	<1
3825	0.8	170	<1	18	<1	294	<1	63	14	<1
*Rep 3760	1.0	250	<1	61	<1	260	<1	81	52	<1
*Rep 3770	3.1	440	<1	50	<1	275	<1	57	45	1
*Rep 3782	0.2	100	<1	48	<1	114	<1	19	39	<1
*Rep 3801	0.1	400	<1	17	<1	187	3	6	14	<1
*Rep 3811	0.3	20	<1	4	<1	42	<1	<5	4	<1
*Rep 3822	0.4	740	<1	78	<1	283	<1	68	75	<1
*Std MMISRM16	0.2	60	27	2	<1	305	<1	6	3	<1
*Std AMIS0169	2.5	90	<1	81	<1	217	<1	51	52	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3751	50	<1	2	<10	37.7	1800	0.7	5	<1	58
3752	180	<1	9	<10	129	2360	0.7	11	1	192
3753	60	1	2	<10	63.4	4070	0.6	8	<1	65
3754	170	<1	3	<10	110	2240	1.2	18	<1	76
3755	1030	<1	4	<10	91.4	931	<0.5	47	1	127
3756	1900	<1	2	<10	46.6	114	<0.5	52	1	64
3757	80	<1	<1	<10	4.1	490	0.6	1	<1	<5
3758	70	<1	1	<10	34.3	1680	1.1	5	<1	27
3759	610	<1	2	<10	15.2	50	<0.5	12	<1	48
3760	290	<1	8	<10	123	4430	0.7	15	2	217
3761	650	<1	20	<10	78.4	1010	<0.5	19	<1	494
3762	630	<1	19	<10	105	2320	0.7	18	1	477
3763	210	<1	30	<10	58.1	683	<0.5	10	<1	1160
3764	1480	<1	30	<10	42.7	67	<0.5	24	<1	1120
3765	20	<1	2	<10	31.1	716	<0.5	8	<1	45
3766	350	<1	14	<10	79.7	5020	0.7	11	1	429
3767	110	<1	<1	<10	51.8	2050	<0.5	6	<1	19
3768	40	<1	<1	<10	17.9	1700	<0.5	3	<1	30
3769	260	<1	12	<10	91.2	2330	<0.5	10	<1	406
3770	70	<1	6	<10	24.0	4360	0.7	5	<1	180
3771	30	<1	<1	<10	38.1	4160	<0.5	5	<1	24
3772	60	<1	<1	<10	59.7	2940	<0.5	5	<1	20
3773	50	<1	4	<10	113	968	<0.5	13	<1	71
3774	10	<1	2	<10	48.1	2460	<0.5	7	<1	43
3775	<10	<1	5	<10	55.5	421	<0.5	11	<1	102
3776	50	1	1	<10	90.2	6450	0.7	8	<1	26
3777	50	<1	<1	<10	30.6	5870	0.6	5	<1	19
3778	200	<1	<1	<10	1.5	94	<0.5	16	<1	12
3779	240	<1	<1	<10	9.0	91	<0.5	22	<1	25
3780	190	<1	<1	<10	6.0	44	<0.5	25	<1	13
3781	650	<1	2	<10	19.0	20	<0.5	10	<1	52
3782	580	<1	5	<10	91.3	57	<0.5	50	<1	130
3783	1030	<1	3	<10	53.8	79	<0.5	28	<1	86
3784	1010	<1	4	<10	36.1	26	<0.5	56	<1	116
3785	520	<1	8	<10	68.7	882	0.7	10	<1	257
3786	360	<1	3	<10	35.0	224	<0.5	7	<1	66
3787	880	<1	3	<10	72.7	102	<0.5	97	1	102
3788	620	<1	3	<10	54.2	224	<0.5	14	<1	79
3789	1610	<1	2	<10	42.1	156	<0.5	44	<1	80
3790	2430	<1	4	<10	42.3	44	<0.5	14	<1	106
3791	620	<1	8	<10	199	1230	0.9	163	2	200
3792	560	<1	1	<10	46.1	596	0.9	18	<1	39
3793	870	<1	20	<10	84.2	257	<0.5	14	<1	935

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3794	330	<1	36	<10	191	2490	1.1	42	2	1250
3795	1010	<1	28	<10	50.8	1020	0.8	14	<1	1010
3796	50	<1	7	<10	31.0	2500	0.8	7	<1	199
3797	<10	<1	8	<10	22.4	824	0.6	7	<1	177
3798	720	<1	5	<10	34.9	17	<0.5	9	<1	123
3799	640	<1	2	<10	25.8	12	0.6	43	<1	70
3800	480	<1	<1	<10	3.5	17	<0.5	58	<1	20
3801	640	<1	2	<10	25.1	32	<0.5	54	<1	48
3802	600	<1	<1	<10	3.7	29	1.4	15	<1	30
3803	580	<1	<1	<10	1.4	14	<0.5	21	<1	27
3804	580	<1	2	<10	32.3	91	<0.5	46	2	62
3805	1630	<1	2	<10	37.8	108	<0.5	23	3	73
3806	1250	<1	3	<10	73.1	120	<0.5	99	1	77
3807	1770	<1	3	<10	18.4	32	<0.5	21	<1	82
3808	470	<1	2	<10	38.3	311	<0.5	6	<1	48
3809	890	<1	3	<10	31.7	15	<0.5	13	<1	54
3810	550	<1	<1	<10	5.7	6	<0.5	4	<1	22
3811	390	<1	<1	<10	6.5	156	<0.5	7	<1	6
3812	2290	<1	2	<10	25.8	121	<0.5	5	8	48
3813	480	<1	1	<10	23.2	33	<0.5	4	<1	37
3814	90	<1	5	<10	91.5	2870	0.7	12	<1	173
3815	120	<1	3	<10	20.9	1680	0.6	5	<1	133
3816	680	<1	7	<10	34.1	50	<0.5	5	<1	211
3817	20	<1	12	<10	61.0	959	0.5	14	<1	190
3818	350	<1	2	<10	3.6	10	<0.5	10	<1	50
3819	2120	<1	2	<10	19.6	270	<0.5	20	5	55
3820	500	<1	2	<10	19.8	22	0.5	5	<1	59
3821	690	<1	4	<10	50.8	213	<0.5	12	<1	114
3822	550	<1	14	<10	76.8	1640	0.9	10	<1	374
3823	1370	<1	3	<10	11.3	44	<0.5	4	<1	102
3824	470	<1	16	<10	167	1090	<0.5	32	2	409
3825	420	<1	2	<10	57.4	651	0.8	90	<1	80
*Rep 3760	340	<1	8	<10	99.7	3720	0.8	15	1	235
*Rep 3770	100	<1	8	<10	22.9	3740	0.8	6	<1	248
*Rep 3782	460	<1	6	<10	71.3	66	<0.5	49	<1	160
*Rep 3801	600	<1	2	<10	28.9	26	<0.5	75	<1	47
*Rep 3811	400	<1	<1	<10	7.3	155	<0.5	9	<1	6
*Rep 3822	460	<1	13	<10	92.5	2680	0.9	12	<1	363
*Std MMISRM16	440	<1	<1	<10	16.3	10	<0.5	43	<1	7
*Std AMISO169	70	<1	6	<10	64.7	426	1.1	23	1	102
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3751	6	360	84
3752	14	120	183
3753	6	260	172
3754	9	60	165
3755	12	320	133
3756	7	40	41
3757	2	150	12
3758	4	250	81
3759	5	<20	24
3760	19	680	200
3761	42	680	103
3762	39	150	151
3763	52	160	54
3764	87	290	42
3765	4	500	57
3766	31	310	164
3767	3	70	88
3768	7	400	39
3769	31	760	129
3770	11	240	81
3771	3	300	71
3772	2	580	61
3773	9	80	67
3774	4	100	52
3775	10	120	36
3776	3	240	96
3777	2	190	64
3778	<1	60	<5
3779	2	70	11
3780	<1	110	6
3781	4	380	21
3782	12	140	50
3783	10	920	32
3784	12	810	22
3785	22	1150	111
3786	5	270	30
3787	10	40	56
3788	7	620	66
3789	10	170	45
3790	11	20	22
3791	17	60	245
3792	7	40	86
3793	78	730	91

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3794	83	1110	218
3795	54	80	88
3796	13	110	68
3797	13	50	30
3798	9	230	20
3799	7	440	21
3800	2	150	<5
3801	5	30	20
3802	3	40	<5
3803	3	60	<5
3804	6	40	21
3805	8	70	32
3806	8	40	46
3807	8	230	14
3808	4	30	75
3809	4	140	19
3810	1	70	7
3811	<1	170	9
3812	5	20	12
3813	3	60	12
3814	15	840	151
3815	11	400	41
3816	14	90	36
3817	21	230	69
3818	3	40	6
3819	7	30	29
3820	4	30	15
3821	8	110	37
3822	25	260	99
3823	10	60	15
3824	35	440	251
3825	9	250	91
*Rep 3760	20	580	152
*Rep 3770	15	210	65
*Rep 3782	15	220	60
*Rep 3801	5	50	19
*Rep 3811	<1	160	8
*Rep 3822	25	240	121
*Std MMISRM16	<1	190	13
*Std AMIS0169	9	200	43
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111204

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 17, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
3226	10	134	<10	0.1	2520	1	70	5	321	265
3227	26	125	<10	0.1	1900	2	160	<1	54	110
3228	10	123	<10	0.2	2520	1	250	7	126	222
3229	3	148	<10	0.1	1650	<1	140	6	392	172
3230	6	138	<10	0.2	2140	<1	310	5	438	61
3231	4	13	20	0.3	1660	<1	300	3	445	34
3232	5	85	10	0.1	2750	1	250	13	2510	153
3233	14	114	10	0.2	3010	5	330	15	1270	61
3234	23	42	<10	0.1	5050	<1	470	21	969	158
3235	14	78	<10	0.2	3750	<1	380	12	1820	117
3236	7	6	10	0.2	1300	<1	170	2	466	29
3237	17	11	<10	0.2	2440	<1	390	12	103	90
3238	8	39	<10	<0.1	2330	<1	320	11	1130	113
3239	14	46	10	0.1	3460	1	330	14	1170	83
3240	17	53	20	0.2	1830	<1	370	17	496	166
3241	13	86	20	0.1	1760	<1	360	16	746	125
3242	15	9	<10	0.2	1510	<1	210	4	29	128
3243	1	>300	<10	<0.1	670	<1	20	1	656	21
3244	22	32	10	0.3	2650	<1	470	10	430	101
3245	10	13	<10	<0.1	1120	<1	330	5	27	171
3246	14	12	<10	0.2	1720	<1	290	3	89	35
3247	15	73	20	0.1	1430	<1	370	9	700	117
3248	19	68	20	0.1	4690	1	380	13	1240	91
3249	15	149	<10	0.1	2460	5	210	13	406	89
3250	8	132	<10	0.1	1380	1	190	14	86	138
3251	15	140	20	0.2	3960	7	300	40	681	139
3252	8	111	<10	0.1	1620	1	210	33	152	193
3253	16	224	<10	0.2	3590	17	240	40	672	84
3254	13	62	10	0.3	3550	<1	290	29	2520	298
3255	3	88	<10	0.1	2290	<1	460	2	409	25
3256	2	182	<10	<0.1	970	<1	50	<1	11	41
3257	3	278	<10	<0.1	1490	<1	30	11	146	74
3258	5	141	20	0.2	1980	1	170	7	2040	497
3259	4	209	<10	<0.1	1200	<1	70	5	110	54
3260	9	77	<10	0.1	2290	<1	510	6	458	26
3261	2	181	<10	<0.1	1040	<1	20	1	11	76
3262	3	223	<10	<0.1	1360	<1	80	2	27	69
3263	5	114	<10	<0.1	930	<1	410	12	127	96
3264	15	43	<10	0.3	1330	<1	390	9	132	66
3265	<1	>300	10	<0.1	150	<1	<10	6	28	7
3266	<1	289	<10	<0.1	120	<1	80	10	53	5
3267	3	16	<10	0.3	930	<1	250	1	6	14
3268	6	28	<10	<0.1	1310	<1	420	2	179	121

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
3269	1	>300	<10	<0.1	440	<1	<10	2	143	6
3270	<1	177	10	<0.1	820	<1	<10	<1	605	105
3271	3	47	<10	<0.1	70	<1	<10	3	444	8
3272	2	>300	30	<0.1	4550	<1	10	7	747	86
3273	2	48	<10	0.3	1870	<1	420	1	390	9
3274	11	138	<10	0.2	1920	<1	300	2	1030	42
3275	3	225	20	0.3	2700	1	70	7	524	148
3276	1	>300	80	<0.1	420	2	10	22	63	16
3277	5	74	<10	<0.1	150	<1	<10	5	130	13
3278	5	103	<10	<0.1	1310	2	220	17	724	103
3279	17	151	<10	0.2	3860	5	250	57	1530	142
3280	13	47	<10	0.1	3460	1	350	16	1180	101
3281	20	33	<10	0.1	4530	<1	440	14	541	112
3282	22	49	<10	0.1	4170	<1	470	13	620	156
3283	24	38	<10	0.3	4760	<1	550	12	582	110
3284	21	102	<10	0.2	3670	1	460	39	864	140
3285	21	37	<10	0.1	4600	<1	430	13	817	157
3286	18	46	<10	0.2	3790	<1	460	16	1070	162
3287	16	80	10	0.1	3840	1	470	16	477	128
3288	3	>300	40	<0.1	790	<1	<10	9	75	18
3289	29	225	10	<0.1	220	<1	<10	11	254	12
3290	11	178	20	<0.1	2740	<1	60	8	1510	83
3291	4	282	10	<0.1	1250	<1	<10	17	91	32
3292	6	163	<10	<0.1	390	<1	<10	9	183	23
3293	18	125	<10	0.1	1700	<1	380	28	1550	256
3294	9	136	10	<0.1	1330	1	290	9	513	116
3295	2	233	<10	<0.1	1070	<1	40	1	108	86
3296	1	119	<10	0.1	2810	<1	290	6	411	26
3297	4	114	<10	0.2	2080	<1	450	11	474	37
3298	7	46	<10	0.1	1510	<1	350	2	802	30
3299	16	152	<10	0.1	1680	<1	190	11	766	39
3300	8	147	<10	0.2	1550	<1	330	20	553	93
*Rep 3226	12	69	30	0.1	2340	2	90	7	2790	410
*Rep 3248	22	82	10	0.2	5450	1	440	16	1190	113
*Rep 3262	3	194	<10	<0.1	920	<1	120	2	31	59
*Rep 3276	1	>300	80	<0.1	430	3	10	18	67	14
*Rep 3289	26	243	10	<0.1	250	<1	<10	10	257	12
*Rep 3300	10	88	<10	0.2	1650	<1	470	11	411	46
*Std MMISRM16	18	40	20	24.7	60	<1	190	4	16	58
*Std AMISO169	11	72	20	0.6	690	<1	40	2	864	143
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3226	100	3.1	3360	17	13.7	4.6	392	8	18	<1
3227	<100	4.1	7410	3	8.3	1.0	294	10	3	<1
3228	<100	2.1	5470	12	15.2	2.3	277	5	9	<1
3229	100	2.6	970	34	23.5	7.0	339	8	27	<1
3230	100	3.6	1300	31	20.1	8.0	161	6	32	<1
3231	<100	<0.5	3810	23	13.5	7.7	86	3	31	<1
3232	300	3.9	3980	124	70.9	37.5	128	17	159	<1
3233	200	2.9	4770	57	29.0	19.2	59	11	75	<1
3234	200	1.7	10300	60	37.0	18.3	53	8	79	<1
3235	200	2.3	5570	127	79.7	35.0	70	15	158	<1
3236	<100	1.1	1910	20	10.2	9.1	42	4	33	<1
3237	<100	<0.5	6470	16	11.2	4.1	29	2	20	<1
3238	<100	1.2	3820	48	28.0	15.9	83	7	66	<1
3239	100	2.1	4870	58	33.2	18.8	56	10	79	<1
3240	<100	1.7	5480	24	15.7	7.4	83	6	31	<1
3241	100	4.2	3370	32	20.0	10.0	114	10	42	<1
3242	<100	<0.5	2190	6	3.4	1.5	16	<1	7	<1
3243	500	8.9	220	38	19.5	14.0	86	66	50	1
3244	<100	0.9	6820	25	14.8	8.4	33	4	35	<1
3245	<100	<0.5	1500	9	6.3	2.0	4	<1	10	<1
3246	<100	<0.5	4300	10	6.4	2.9	28	1	14	<1
3247	<100	2.0	4140	35	20.6	11.1	90	7	47	<1
3248	200	3.5	6220	53	28.5	18.8	57	13	76	<1
3249	<100	4.3	4350	42	31.0	8.5	211	7	36	<1
3250	<100	6.8	1570	27	26.7	2.7	292	9	13	<1
3251	200	4.0	8950	63	43.3	14.1	171	11	63	<1
3252	<100	2.5	4910	26	28.5	3.4	350	6	16	<1
3253	200	11.5	7450	93	62.2	16.8	124	14	76	<1
3254	200	1.6	9720	104	65.0	33.1	198	17	139	<1
3255	<100	0.8	1390	84	56.2	22.8	22	5	106	1
3256	<100	4.9	140	<1	1.7	<0.5	108	2	<1	<1
3257	<100	2.4	320	12	7.4	2.8	141	16	10	<1
3258	200	2.3	1290	99	57.3	30.7	184	20	125	<1
3259	<100	3.2	270	55	31.1	7.2	98	5	33	<1
3260	100	<0.5	1340	62	40.2	17.3	19	4	83	<1
3261	<100	2.2	100	2	2.9	<0.5	247	5	<1	<1
3262	<100	2.5	180	27	27.1	1.6	134	8	8	<1
3263	<100	1.9	790	17	11.6	3.2	94	2	14	<1
3264	<100	<0.5	2170	15	9.2	4.3	18	2	20	<1
3265	100	1.9	40	3	1.7	1.0	26	42	2	<1
3266	100	6.7	20	12	5.9	3.0	38	20	11	<1
3267	<100	<0.5	600	10	5.2	2.6	3	<1	14	1
3268	<100	<0.5	810	30	18.4	7.6	6	2	36	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3269	200	9.4	170	11	4.9	3.5	71	19	11	<1
3270	200	7.3	420	47	23.5	18.6	147	18	67	<1
3271	<100	4.3	80	61	31.6	28.2	10	16	93	<1
3272	200	3.7	340	49	22.2	16.9	123	23	59	<1
3273	<100	<0.5	1410	76	52.4	18.4	8	4	91	4
3274	300	1.4	1310	106	64.9	28.5	85	11	124	<1
3275	100	3.4	970	129	78.6	22.6	140	15	102	<1
3276	200	2.2	140	6	2.9	2.2	154	118	6	<1
3277	<100	5.2	130	11	5.2	5.2	12	13	15	<1
3278	100	2.7	1940	53	31.8	13.6	194	8	59	<1
3279	200	5.9	6990	156	108	32.0	185	18	149	<1
3280	100	1.8	5050	49	27.1	16.6	72	8	68	<1
3281	<100	1.6	6160	26	14.6	9.0	36	5	38	<1
3282	100	1.8	9380	39	24.3	11.7	56	7	52	<1
3283	<100	2.2	9770	28	16.8	9.5	38	5	38	<1
3284	200	3.0	8620	61	42.1	14.4	94	10	66	<1
3285	100	2.1	9580	50	29.7	15.7	50	7	70	<1
3286	200	2.3	9530	53	29.8	17.7	61	9	74	<1
3287	<100	3.1	10000	34	22.9	8.8	68	7	39	<1
3288	100	2.0	90	6	3.0	2.0	129	55	5	<1
3289	<100	7.9	300	17	7.9	8.7	42	26	23	<1
3290	100	2.8	330	74	34.8	24.7	55	18	90	<1
3291	<100	6.1	150	11	6.4	2.5	84	8	9	<1
3292	<100	6.1	150	26	13.8	9.7	32	8	30	<1
3293	100	1.9	4090	125	87.0	28.2	76	12	136	<1
3294	200	2.6	2520	32	18.2	9.6	108	6	40	<1
3295	<100	3.7	360	36	33.2	3.2	158	7	14	<1
3296	100	1.4	900	66	41.4	17.7	26	5	76	1
3297	200	0.7	900	90	60.3	20.5	38	5	94	<1
3298	<100	<0.5	710	81	50.3	20.2	31	6	93	<1
3299	<100	2.0	1920	245	176	30.6	239	10	158	<1
3300	200	0.7	900	108	68.8	23.2	97	7	104	<1
*Rep 3226	200	2.2	2620	91	54.0	30.8	1330	18	118	<1
*Rep 3248	200	3.8	8200	61	35.8	19.8	58	13	81	<1
*Rep 3262	<100	3.2	170	30	29.8	2.1	156	8	10	<1
*Rep 3276	200	2.6	130	6	2.7	2.3	154	128	6	<1
*Rep 3289	100	7.5	290	17	7.6	8.4	44	26	22	1
*Rep 3300	100	<0.5	1110	83	56.6	18.2	19	4	89	<1
*Std MMISRM16	<100	11.9	620	2	0.9	1.0	1	<1	4	14
*Std AMISO169	100	7.9	4990	34	15.2	13.5	52	15	52	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3226	<0.5	10.0	129	19	28	2750	5	15.7	121	213
3227	<0.5	16.1	33	52	34	820	<5	4.9	26	416
3228	<0.5	14.5	53	33	32	840	7	5.3	56	346
3229	<0.5	11.7	141	8	45	3670	<5	14.0	161	162
3230	<0.5	17.3	173	9	56	4040	<5	6.0	190	173
3231	<0.5	17.0	129	12	45	4340	7	8.1	195	58
3232	<0.5	8.9	1010	12	46	3040	<5	14.8	1050	238
3233	<0.5	12.2	503	15	30	1530	15	28.6	538	106
3234	<0.5	25.8	432	29	61	1960	8	9.6	501	207
3235	<0.5	12.0	755	27	71	3250	<5	8.4	939	253
3236	<0.5	6.7	222	<5	26	1190	<5	7.9	238	35
3237	<0.5	24.5	35	41	74	6970	<5	1.1	76	67
3238	<0.5	11.3	503	24	35	3820	<5	7.4	519	261
3239	<0.5	15.7	491	24	22	840	<5	12.1	573	183
3240	<0.5	25.1	191	20	62	7840	96	7.8	232	299
3241	<0.5	19.8	287	25	36	7870	62	15.0	320	315
3242	<0.5	27.3	9	57	47	5990	7	<0.5	22	93
3243	<0.5	8.8	281	7	4	160	<5	34.1	339	79
3244	<0.5	26.5	187	18	76	4570	109	4.6	246	416
3245	<0.5	14.0	7	18	121	9480	5	<0.5	21	82
3246	<0.5	20.2	32	21	66	8450	6	0.6	58	43
3247	<0.5	17.6	339	12	53	5540	40	9.0	362	269
3248	<0.5	14.3	536	30	77	1970	45	15.3	558	249
3249	<0.5	11.1	196	24	40	1520	<5	9.2	183	219
3250	<0.5	9.1	37	16	23	3930	<5	5.2	48	288
3251	<0.5	18.0	304	53	48	2680	33	13.2	331	314
3252	<0.5	14.1	67	31	27	3730	<5	5.9	79	451
3253	<0.5	12.4	271	29	51	1840	8	16.2	358	205
3254	<0.5	21.6	1120	43	65	9040	10	8.2	1100	253
3255	<0.5	17.6	489	13	111	480	<5	2.0	546	92
3256	<0.5	9.8	5	<5	20	120	<5	1.3	5	65
3257	<0.5	15.6	71	8	19	330	<5	9.0	61	132
3258	<0.5	17.8	700	12	42	24600	<5	18.5	826	216
3259	<0.5	18.2	31	<5	30	570	<5	1.1	102	165
3260	<0.5	21.4	408	23	120	1350	<5	1.6	435	233
3261	<0.5	13.7	5	10	13	370	<5	1.2	4	98
3262	<0.5	16.4	11	5	27	230	<5	1.1	17	138
3263	<0.5	18.5	56	<5	70	11000	<5	2.7	67	259
3264	<0.5	28.4	47	19	79	4490	9	1.3	85	94
3265	<0.5	4.6	14	<5	<1	50	<5	7.1	13	33
3266	<0.5	2.6	21	<5	7	60	<5	10.3	35	16
3267	<0.5	14.6	9	6	100	1060	<5	<0.5	28	33
3268	<0.5	12.1	84	<5	150	2040	<5	<0.5	133	80

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3269	<0.5	6.3	60	<5	<1	120	<5	13.2	58	37
3270	<0.5	8.3	190	<5	1	1560	<5	14.8	359	33
3271	<0.5	2.8	146	<5	<1	30	8	<0.5	484	17
3272	<0.5	13.7	249	5	3	2670	<5	21.6	279	38
3273	<0.5	18.1	272	<5	143	180	<5	0.8	381	81
3274	<0.5	17.5	536	8	91	940	<5	7.7	638	184
3275	<0.5	27.1	189	9	45	5000	<5	12.4	356	122
3276	<0.5	9.0	33	6	3	460	<5	20.8	29	47
3277	<0.5	5.0	44	<5	<1	590	<5	0.7	81	20
3278	<0.5	7.3	336	23	30	2780	<5	11.0	348	185
3279	<0.5	16.5	620	51	37	3010	5	15.9	745	377
3280	<0.5	15.6	530	23	47	2120	10	11.6	525	239
3281	<0.5	19.0	230	22	50	1210	10	5.2	266	207
3282	<0.5	27.4	253	41	55	2400	26	5.5	309	268
3283	<0.5	16.1	250	19	69	1320	5	5.1	277	207
3284	<0.5	17.8	402	41	39	2140	<5	9.6	390	336
3285	<0.5	25.1	350	32	56	1890	13	5.5	435	196
3286	<0.5	24.9	451	30	49	2200	14	8.2	517	231
3287	<0.5	21.5	228	46	54	3070	47	5.8	234	275
3288	<0.5	11.3	31	<5	3	1190	<5	13.3	26	36
3289	<0.5	4.9	107	<5	<1	450	6	3.0	127	16
3290	<0.5	19.4	466	<5	12	3490	<5	16.2	498	34
3291	<0.5	15.9	35	<5	1	670	<5	6.2	37	50
3292	<0.5	13.0	62	<5	<1	430	<5	2.2	134	33
3293	<0.5	16.8	853	23	78	4820	<5	4.3	737	727
3294	<0.5	16.5	216	7	37	6100	<5	12.8	242	238
3295	<0.5	11.9	45	<5	15	150	<5	3.5	53	227
3296	<0.5	32.6	212	<5	92	860	<5	1.8	330	103
3297	<0.5	18.0	351	<5	114	940	<5	1.0	405	267
3298	<0.5	12.8	414	10	110	1520	<5	2.6	480	207
3299	<0.5	19.8	398	13	66	600	<5	3.1	590	474
3300	<0.5	21.0	325	9	108	1830	<5	2.1	438	221
*Rep 3226	<0.5	12.7	985	18	26	9830	8	25.9	1010	212
*Rep 3248	<0.5	16.1	498	38	96	2630	48	12.1	548	291
*Rep 3262	<0.5	15.7	11	<5	38	200	<5	1.0	24	140
*Rep 3276	<0.5	9.7	35	9	4	490	<5	23.6	32	43
*Rep 3289	<0.5	4.6	104	<5	<1	450	5	3.3	122	15
*Rep 3300	<0.5	19.6	274	<5	158	930	<5	0.9	363	179
*Std MMISRM16	<0.5	34.9	4	<5	28	90	48	<0.5	14	222
*Std AMISO169	<0.5	50.3	447	<5	35	4750	<5	3.9	420	566
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3226	1.4	90	<1	33	<1	175	<1	73	21	<1
3227	0.7	10	<1	7	<1	199	<1	41	4	<1
3228	0.3	260	<1	14	<1	148	<1	55	11	<1
3229	1.5	370	<1	41	<1	169	<1	55	32	<1
3230	0.7	160	<1	48	<1	171	<1	55	36	<1
3231	0.3	430	<1	44	<1	10	1	11	35	<1
3232	0.9	490	<1	262	<1	203	<1	125	180	<1
3233	1.0	810	<1	141	<1	176	3	71	93	2
3234	0.2	920	<1	121	<1	193	1	38	86	<1
3235	0.3	600	<1	225	<1	174	<1	90	168	<1
3236	0.9	100	<1	59	<1	90	<1	14	41	<1
3237	<0.1	180	<1	15	<1	38	<1	6	17	<1
3238	0.3	330	<1	133	<1	165	<1	39	81	<1
3239	0.7	430	<1	140	<1	210	1	41	95	<1
3240	0.4	730	<1	57	<1	60	1	33	38	<1
3241	0.7	840	<1	83	<1	85	2	53	51	<1
3242	0.1	120	<1	4	<1	15	<1	<5	6	<1
3243	21.7	180	<1	84	<1	96	<1	77	60	4
3244	0.3	860	<1	59	<1	133	2	17	40	<1
3245	<0.1	70	<1	4	<1	43	<1	6	6	<1
3246	<0.1	180	<1	12	<1	37	<1	<5	13	<1
3247	0.3	750	<1	94	<1	138	1	44	57	<1
3248	0.8	780	<1	142	<1	225	2	52	91	<1
3249	1.1	820	<1	47	<1	164	<1	59	36	<1
3250	0.5	190	<1	11	<1	242	<1	60	11	<1
3251	0.7	1770	<1	82	<1	208	2	92	64	<1
3252	0.4	450	<1	20	<1	180	<1	70	15	<1
3253	0.9	1400	<1	86	<1	161	1	133	74	1
3254	0.4	590	<1	285	<1	192	<1	109	172	<1
3255	0.2	110	<1	128	<1	112	<1	42	103	<1
3256	0.2	<10	<1	1	<1	182	<1	22	<1	<1
3257	2.6	60	<1	16	<1	216	<1	29	11	<1
3258	1.4	310	<1	204	<1	207	<1	131	146	<1
3259	0.4	200	<1	19	<1	254	<1	23	28	<1
3260	0.3	90	<1	103	<1	59	<1	27	78	<1
3261	0.4	<10	<1	1	<1	271	<1	12	<1	<1
3262	0.4	180	<1	4	<1	231	<1	20	5	<1
3263	0.3	180	<1	16	<1	126	<1	25	13	<1
3264	0.3	130	<1	18	<1	29	<1	10	18	<1
3265	5.2	260	<1	3	<1	33	<1	19	3	<1
3266	1.9	100	<1	8	<1	37	<1	28	9	<1
3267	<0.1	40	<1	4	<1	21	<1	6	9	<1
3268	<0.1	30	<1	28	<1	69	<1	19	28	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3269	3.7	140	<1	15	<1	95	<1	39	13	<1
3270	1.7	160	<1	78	<1	188	<1	65	79	1
3271	0.2	230	<1	95	<1	47	<1	66	106	<1
3272	6.2	450	<1	66	<1	259	<1	99	61	2
3273	0.3	50	<1	82	<1	57	<1	30	76	<1
3274	1.4	150	<1	153	<1	92	<1	123	125	<1
3275	1.6	730	<1	71	<1	291	<1	179	88	<1
3276	13.9	680	<1	7	<1	63	<1	28	7	7
3277	0.6	370	<1	19	<1	98	<1	22	17	<1
3278	1.2	310	<1	88	<1	156	<1	70	65	<1
3279	0.5	1140	<1	184	<1	218	1	183	146	<1
3280	0.7	490	<1	139	<1	178	1	45	81	<1
3281	0.3	460	<1	65	<1	221	1	21	43	<1
3282	0.3	920	<1	74	<1	193	1	29	55	<1
3283	0.2	660	<1	69	<1	273	1	20	44	<1
3284	0.3	990	<1	100	<1	324	<1	86	68	<1
3285	0.2	760	<1	100	<1	216	1	27	74	<1
3286	0.3	690	<1	129	<1	194	1	35	87	<1
3287	0.3	1470	<1	59	<1	215	2	43	40	<1
3288	12.1	360	<1	7	<1	111	<1	28	6	3
3289	2.3	280	<1	30	<1	84	<1	48	27	<1
3290	2.8	300	<1	122	<1	251	<1	113	99	1
3291	1.6	280	<1	9	<1	327	<1	33	9	<1
3292	0.5	320	<1	27	<1	255	<1	63	34	<1
3293	0.4	310	<1	192	<1	151	<1	79	129	<1
3294	1.5	340	<1	61	<1	128	<1	65	45	<1
3295	0.9	130	<1	13	<1	156	<1	34	13	<1
3296	0.3	230	<1	71	<1	177	<1	68	74	<1
3297	0.2	210	<1	96	<1	68	<1	48	84	<1
3298	0.4	60	<1	113	<1	57	<1	36	88	<1
3299	0.7	360	<1	133	<1	178	<1	85	129	<1
3300	0.6	310	<1	101	<1	86	<1	88	96	<1
*Rep 3226	2.0	310	<1	265	<1	154	<1	132	159	<1
*Rep 3248	0.5	1070	<1	139	<1	237	2	62	93	<1
*Rep 3262	0.4	130	<1	5	<1	211	<1	20	7	<1
*Rep 3276	14.7	630	<1	8	<1	68	<1	30	7	9
*Rep 3289	2.4	270	<1	30	<1	82	<1	47	26	<1
*Rep 3300	0.1	140	<1	82	<1	64	<1	42	78	<1
*Std MMISRM16	0.3	70	27	2	<1	303	<1	7	4	<1
*Std AMISO169	3.3	130	<1	110	<1	262	1	71	70	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3226	290	1	3	<10	120	1890	1.0	21	2	80
3227	620	<1	<1	<10	28.3	852	1.0	101	1	18
3228	700	<1	2	<10	65.0	473	0.6	77	<1	70
3229	510	<1	5	<10	142	1370	0.6	17	1	160
3230	650	<1	6	<10	106	581	0.7	10	<1	153
3231	710	<1	5	<10	188	238	<0.5	6	3	120
3232	630	<1	26	<10	170	1730	0.5	68	2	596
3233	660	2	12	<10	310	2360	0.6	110	4	238
3234	1150	<1	12	<10	249	524	0.9	64	2	302
3235	1160	<1	25	<10	215	689	0.5	64	2	597
3236	270	<1	5	<10	80.6	665	<0.5	8	1	103
3237	1430	<1	3	<10	49.1	81	<0.5	14	<1	90
3238	1550	<1	10	<10	215	424	<0.5	147	2	249
3239	960	<1	12	<10	242	1360	<0.5	51	3	285
3240	3080	<1	5	<10	92.3	274	<0.5	114	4	130
3241	2580	<1	7	<10	131	902	<0.5	94	4	162
3242	2080	<1	<1	<10	22.2	13	<0.5	6	<1	31
3243	60	3	8	<10	115	6490	<0.5	16	2	197
3244	1090	<1	5	<10	93.7	176	<0.5	71	3	124
3245	1100	<1	2	<10	11.4	12	<0.5	8	<1	48
3246	1120	<1	2	<10	31.4	70	<0.5	7	<1	55
3247	670	<1	7	<10	110	320	<0.5	123	2	197
3248	700	<1	12	<10	326	1380	1.0	165	3	250
3249	480	<1	7	<10	106	900	1.1	143	1	255
3250	680	<1	3	<10	28.9	852	0.7	36	<1	166
3251	830	<1	11	<10	191	1260	1.1	459	2	348
3252	740	<1	3	<10	59.7	560	<0.5	398	<1	170
3253	540	<1	14	<10	196	1890	0.8	442	2	501
3254	960	<1	22	<10	367	623	0.7	43	3	546
3255	1430	<1	16	<10	70.7	80	<0.5	16	<1	471
3256	240	<1	<1	<10	14.0	95	1.0	5	<1	<5
3257	160	<1	2	<10	44.8	2200	<0.5	4	<1	55
3258	490	1	20	<10	236	3100	1.0	37	2	462
3259	310	<1	8	<10	17.3	135	0.6	6	<1	280
3260	1690	<1	12	<10	84.2	46	<0.5	15	<1	359
3261	180	<1	<1	<10	7.9	192	0.8	2	<1	9
3262	380	<1	3	<10	15.4	155	0.7	3	<1	159
3263	670	<1	3	<10	25.1	66	<0.5	22	<1	100
3264	670	<1	3	<10	39.1	124	<0.5	31	<1	79
3265	20	<1	<1	<10	10.8	1010	<0.5	3	<1	12
3266	100	<1	2	<10	16.1	1280	<0.5	5	<1	61
3267	710	<1	2	<10	6.0	7	<0.5	3	<1	58
3268	1610	<1	5	<10	20.8	28	<0.5	15	<1	140

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3269	20	<1	2	<10	41.5	1710	<0.5	8	<1	42
3270	20	1	10	<10	86.9	3060	<0.5	13	2	234
3271	<10	<1	13	<10	4.6	30	<0.5	9	<1	304
3272	140	2	10	<10	109	5430	0.8	13	2	207
3273	1970	<1	14	<10	66.5	36	<0.5	21	<1	359
3274	840	<1	20	<10	127	897	<0.5	23	1	516
3275	660	<1	19	<10	99.0	2840	0.9	24	2	670
3276	160	2	1	<10	34.1	4870	<0.5	4	1	24
3277	<10	<1	2	<10	16.6	129	<0.5	7	<1	48
3278	480	<1	10	<10	106	1070	0.8	66	1	294
3279	590	<1	26	<10	247	1520	1.1	367	3	840
3280	750	<1	11	<10	291	787	0.5	147	3	244
3281	860	<1	6	<10	177	298	0.5	99	1	124
3282	1370	<1	8	<10	155	318	0.7	111	2	198
3283	1170	<1	6	<10	140	276	1.0	45	1	135
3284	1000	<1	11	<10	141	604	0.9	170	1	336
3285	1330	<1	10	<10	153	379	0.7	50	2	244
3286	1260	<1	11	<10	237	660	0.6	60	3	260
3287	1270	<1	6	<10	104	509	1.0	308	2	205
3288	90	1	<1	<10	24.1	3320	<0.5	5	<1	25
3289	<10	<1	4	<10	23.2	577	<0.5	8	<1	74
3290	290	1	15	<10	61.8	4760	0.6	11	2	354
3291	30	<1	2	<10	17.1	1290	0.5	4	<1	48
3292	<10	<1	5	<10	13.9	569	0.7	7	<1	127
3293	900	<1	22	<10	112	355	<0.5	174	<1	798
3294	470	<1	6	<10	97.0	1210	<0.5	31	1	157
3295	210	<1	4	<10	30.0	496	1.2	5	<1	184
3296	1030	<1	12	<10	95.5	171	<0.5	23	<1	287
3297	1270	<1	15	<10	64.5	49	<0.5	45	<1	493
3298	1180	<1	15	<10	112	212	<0.5	22	<1	445
3299	910	<1	34	<10	98.0	330	0.6	203	2	1570
3300	1050	<1	18	<10	89.5	207	<0.5	32	<1	550
*Rep 3226	360	1	19	<10	265	2490	0.7	27	5	478
*Rep 3248	850	<1	13	<10	278	1020	1.3	195	2	298
*Rep 3262	470	<1	3	<10	13.4	143	0.5	3	<1	170
*Rep 3276	180	2	1	<10	34.0	6100	<0.5	4	1	25
*Rep 3289	<10	<1	4	<10	24.2	613	<0.5	8	<1	68
*Rep 3300	1630	<1	14	<10	65.6	23	<0.5	28	<1	426
*Std MMISRM16	430	<1	<1	<10	22.7	<3	<0.5	48	<1	9
*Std AMIS0169	80	<1	8	<10	90.8	534	1.2	31	2	140
*Bik BLANK	<10	<1	<1	<10	<0.5	29	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	3	<0.5	<1	<1	<5

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Final : TO111204 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3226	12	140	198
3227	12	50	83
3228	15	290	99
3229	19	960	185
3230	16	880	131
3231	13	80	266
3232	57	670	244
3233	24	160	430
3234	32	230	245
3235	66	250	208
3236	9	30	137
3237	10	30	29
3238	25	120	148
3239	28	110	280
3240	15	160	82
3241	18	340	147
3242	3	80	26
3243	14	80	212
3244	13	100	60
3245	6	160	10
3246	6	100	19
3247	19	210	98
3248	24	300	319
3249	25	350	156
3250	21	330	70
3251	36	820	274
3252	24	320	104
3253	52	420	265
3254	57	400	370
3255	47	850	51
3256	9	<20	17
3257	6	460	66
3258	50	830	349
3259	21	430	15
3260	34	1480	47
3261	5	180	13
3262	24	860	15
3263	9	670	31
3264	8	170	46
3265	2	130	23
3266	4	100	26
3267	4	60	8
3268	15	160	14

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Final : TO111204 Order: EXPL-005

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3269	4	110	79
3270	19	40	137
3271	26	60	7
3272	17	780	199
3273	41	350	32
3274	53	450	167
3275	65	410	161
3276	2	620	89
3277	4	190	16
3278	27	120	171
3279	90	660	358
3280	24	240	254
3281	13	80	141
3282	21	190	115
3283	14	60	95
3284	38	460	138
3285	26	210	181
3286	25	200	257
3287	20	290	117
3288	3	330	53
3289	6	130	33
3290	25	200	134
3291	5	430	41
3292	11	230	38
3293	69	1020	119
3294	14	420	155
3295	28	220	35
3296	36	710	99
3297	49	360	63
3298	40	500	74
3299	139	1110	156
3300	57	810	109
*Rep 3226	48	320	447
*Rep 3248	29	380	248
*Rep 3262	25	340	12
*Rep 3276	3	540	103
*Rep 3289	6	130	37
*Rep 3300	48	680	57
*Std MMISRM16	<1	210	18
*Std AMIS0169	12	270	62
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111206

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 18, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3376	13	29	<10	<0.1	1660	<1	490	12	16	240
3377	9	11	<10	<0.1	2300	<1	300	4	7	147
3378	2	22	<10	<0.1	1010	<1	320	1	52	43
3379	5	12	<10	0.1	1450	<1	250	2	99	33
3380	23	43	10	0.3	2850	<1	430	8	327	60
3381	4	9	30	0.3	2110	<1	200	4	72	22
3382	3	24	<10	0.3	820	<1	290	2	140	82
3383	2	256	20	0.2	1170	1	40	17	817	113
3384	7	178	10	0.1	880	<1	10	12	591	67
3385	11	112	<10	0.2	830	<1	20	17	353	22
3386	5	>300	20	<0.1	1610	2	<10	24	102	40
3387	17	33	10	0.2	2410	<1	390	10	178	97
3388	2	268	40	<0.1	270	2	<10	7	40	6
3389	10	17	<10	0.2	1440	<1	340	5	38	151
3390	2	>300	40	<0.1	3240	2	<10	11	335	68
3391	8	14	<10	0.1	1090	<1	330	3	51	18
3392	2	14	30	0.2	1690	<1	320	2	41	81
3393	4	22	30	0.1	1330	<1	300	3	19	133
3394	10	22	10	0.1	2960	<1	260	6	27	98
3395	8	147	20	<0.1	900	2	280	8	888	95
3396	3	>300	20	<0.1	1530	<1	20	2	356	42
3397	2	>300	20	0.1	3470	<1	<10	21	1720	47
3398	3	>300	20	<0.1	990	1	<10	12	252	20
3399	9	264	<10	<0.1	1480	<1	<10	18	361	59
3400	2	174	40	<0.1	1080	3	10	20	86	9
3401	3	276	10	<0.1	520	<1	<10	15	90	40
3402	7	250	<10	<0.1	1390	<1	<10	8	279	41
3403	7	>300	20	<0.1	2200	1	<10	9	154	28
3404	16	140	<10	0.1	490	<1	<10	<1	697	<5
3405	7	255	10	<0.1	2440	<1	10	5	348	39
3406	11	255	<10	<0.1	660	<1	<10	10	348	121
3407	7	217	20	0.2	4020	<1	240	2	3530	29
3408	5	>300	50	<0.1	420	2	<10	12	65	11
3409	4	195	30	<0.1	310	2	<10	6	59	8
3410	<1	139	<10	<0.1	140	<1	<10	6	17	12
3411	12	50	<10	0.1	1970	<1	560	16	705	456
3412	15	23	<10	<0.1	2250	<1	620	11	204	323
3413	3	251	10	<0.1	1860	<1	<10	6	128	22
3414	2	224	<10	<0.1	670	<1	<10	16	43	36
3415	<1	>300	20	<0.1	910	3	<10	9	121	39
3416	15	50	20	0.4	1010	<1	400	6	276	99
3417	13	28	10	0.2	1250	<1	350	10	87	39
3418	2	157	20	<0.1	290	2	<10	6	45	8

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3419	4	>300	<10	<0.1	580	<1	<10	10	44	22
3420	<1	299	40	<0.1	480	5	<10	14	61	12
3421	2	>300	30	<0.1	960	2	10	11	84	25
3422	4	>300	10	<0.1	3400	<1	<10	10	200	84
3423	12	235	<10	<0.1	1630	<1	<10	12	468	108
3424	11	238	<10	<0.1	1780	<1	40	17	144	48
3425	9	279	<10	<0.1	1540	<1	<10	7	81	39
3426	4	>300	20	<0.1	1980	<1	20	4	123	29
3427	7	59	<10	0.4	680	<1	490	22	15	14
3428	5	267	<10	<0.1	1290	<1	<10	9	121	28
3429	6	>300	<10	<0.1	1030	<1	<10	53	103	140
3430	16	274	<10	<0.1	1050	<1	10	13	124	41
3431	3	>300	<10	<0.1	450	<1	<10	2	68	71
3432	2	208	<10	0.1	860	<1	<10	8	202	50
3433	2	204	<10	<0.1	680	<1	<10	8	396	27
3434	2	>300	10	0.1	1610	<1	<10	4	305	21
3435	1	207	20	0.3	3280	<1	20	5	2860	85
3436	3	103	<10	0.2	1120	<1	170	4	211	26
3437	3	188	<10	<0.1	1170	<1	<10	8	221	42
3438	6	104	<10	<0.1	990	<1	30	4	406	30
3439	7	>300	20	<0.1	1660	<1	<10	9	358	64
3440	5	228	<10	<0.1	840	<1	<10	6	99	14
3441	2	32	<10	0.3	880	<1	400	3	103	13
3442	4	>300	<10	<0.1	1350	<1	10	11	185	78
3443	5	137	<10	<0.1	1540	<1	60	5	183	35
3444	2	231	<10	<0.1	1070	<1	<10	5	117	22
3445	8	223	<10	<0.1	760	<1	<10	6	180	18
3446	13	75	<10	<0.1	700	<1	<10	6	209	19
3447	13	142	<10	<0.1	940	<1	10	20	391	16
3448	15	199	<10	<0.1	1140	<1	<10	9	172	32
3449	6	279	<10	<0.1	1550	<1	20	18	110	81
3450	3	>300	20	<0.1	460	<1	<10	7	82	13
*Rep 3387	16	43	20	0.2	2370	<1	450	8	307	103
*Rep 3396	3	>300	20	<0.1	1340	<1	20	3	316	44
*Rep 3414	2	212	<10	<0.1	830	<1	<10	14	72	29
*Rep 3426	5	>300	20	<0.1	1720	<1	20	4	113	31
*Rep 3438	3	105	<10	<0.1	1150	<1	40	4	423	32
*Rep 3446	14	81	<10	0.1	930	<1	<10	6	255	17
*Std MMISRM16	21	49	20	28.0	60	<1	210	4	17	65
*Std AMIS0169	9	75	10	0.3	660	<1	40	2	885	142
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3376	<100	<0.5	2080	7	5.1	1.5	3	<1	7	<1
3377	<100	<0.5	1360	2	1.6	0.8	3	<1	3	<1
3378	<100	0.9	1580	4	1.9	1.3	18	1	5	<1
3379	<100	<0.5	2330	7	3.6	2.4	26	<1	11	<1
3380	100	1.2	8730	19	10.6	6.7	35	3	27	<1
3381	<100	<0.5	3230	8	4.7	2.6	34	<1	12	<1
3382	<100	<0.5	1100	8	3.8	2.9	20	1	12	<1
3383	100	1.8	610	110	55.7	26.8	147	21	117	<1
3384	100	4.3	580	81	39.8	24.9	93	18	108	<1
3385	<100	4.7	230	77	40.0	28.5	20	8	101	<1
3386	100	3.2	200	9	5.5	2.4	117	28	7	<1
3387	<100	1.1	4750	16	9.5	5.1	36	3	21	<1
3388	100	4.0	100	3	1.6	1.4	65	80	3	<1
3389	<100	<0.5	870	11	6.9	2.5	8	<1	13	<1
3390	200	5.3	180	28	13.0	8.7	93	29	30	<1
3391	<100	0.7	520	8	3.2	3.3	6	<1	13	<1
3392	<100	<0.5	2900	5	2.4	1.9	3	<1	8	<1
3393	<100	0.6	3260	6	3.3	1.4	5	<1	7	<1
3394	<100	<0.5	6130	10	7.1	2.3	9	<1	11	<1
3395	<100	4.2	1410	39	19.6	14.3	78	9	54	<1
3396	200	8.1	160	23	11.0	7.6	171	27	27	<1
3397	200	3.7	290	178	87.5	51.8	76	26	193	<1
3398	200	3.8	120	14	6.1	5.0	117	26	16	<1
3399	100	4.9	170	28	14.8	10.1	69	19	33	<1
3400	200	2.7	110	6	3.0	2.0	101	37	6	<1
3401	<100	8.2	140	8	4.2	2.1	137	19	7	<1
3402	100	5.2	270	32	17.0	8.0	81	15	29	<1
3403	100	4.6	140	13	8.1	4.3	164	45	14	<1
3404	<100	8.9	290	62	28.1	22.3	18	18	89	<1
3405	100	6.9	290	36	17.9	8.9	76	12	36	<1
3406	200	8.6	270	20	10.6	6.3	97	20	23	<1
3407	200	2.0	1020	392	231	107	81	31	455	1
3408	100	2.1	170	5	2.4	2.4	109	82	6	<1
3409	<100	2.4	110	5	2.7	2.5	77	79	7	<1
3410	<100	2.6	50	2	1.0	<0.5	42	16	1	<1
3411	100	<0.5	1850	32	24.2	8.2	14	4	39	<1
3412	<100	<0.5	2350	22	18.5	5.2	12	1	24	<1
3413	<100	5.9	70	13	8.9	2.3	109	17	8	<1
3414	<100	3.7	110	8	7.4	1.3	89	15	4	<1
3415	400	10.2	150	8	4.1	3.0	108	214	9	<1
3416	<100	1.0	4290	18	10.3	5.8	18	3	25	<1
3417	<100	<0.5	5070	13	8.3	3.7	14	1	18	<1
3418	200	2.4	110	4	1.9	1.3	46	32	4	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3419	<100	1.9	80	4	3.1	1.3	97	24	4	<1
3420	300	4.1	130	8	4.4	2.1	129	95	7	<1
3421	300	4.6	130	6	3.4	2.4	185	120	6	<1
3422	100	7.3	350	14	9.3	3.2	116	16	12	<1
3423	<100	5.4	240	38	19.2	9.2	58	10	37	<1
3424	<100	4.4	300	15	7.3	3.3	101	9	13	<1
3425	<100	6.1	130	7	5.4	1.6	105	8	5	<1
3426	300	7.1	90	9	5.3	3.0	203	46	10	<1
3427	<100	0.9	230	3	1.6	1.2	9	<1	5	<1
3428	<100	5.8	180	19	11.9	3.2	71	10	12	<1
3429	<100	6.5	190	13	7.1	2.7	46	6	10	<1
3430	<100	6.7	120	16	8.2	3.1	85	11	12	<1
3431	<100	2.7	30	6	4.4	1.5	95	12	5	<1
3432	<100	6.0	280	29	15.8	6.8	77	15	27	<1
3433	<100	7.7	210	59	27.1	15.3	55	13	61	<1
3434	400	6.9	260	21	9.6	7.3	167	36	26	<1
3435	300	3.3	420	84	31.2	35.2	81	23	124	<1
3436	<100	3.6	680	74	38.2	23.3	7	4	104	<1
3437	<100	6.2	540	23	10.7	7.2	31	6	26	<1
3438	<100	5.1	250	65	31.5	22.7	12	7	96	<1
3439	200	6.1	270	29	13.3	7.8	163	25	27	<1
3440	100	7.4	170	9	5.1	3.1	63	7	9	<1
3441	<100	0.5	1600	43	28.2	10.7	9	2	54	2
3442	200	5.4	170	17	8.4	4.5	57	16	17	<1
3443	<100	4.9	320	29	15.1	6.8	29	5	29	<1
3444	<100	4.9	130	21	11.5	5.2	64	12	19	<1
3445	100	6.8	150	22	10.8	6.9	35	11	24	<1
3446	<100	5.4	250	47	23.4	14.9	6	6	61	<1
3447	<100	4.9	210	68	33.4	18.6	23	8	80	<1
3448	<100	5.2	170	33	19.2	8.7	103	31	36	<1
3449	100	5.4	230	14	7.4	3.5	86	15	13	<1
3450	200	1.5	150	6	3.6	1.9	116	44	6	<1
*Rep 3387	<100	1.2	4180	15	8.8	5.5	40	3	22	<1
*Rep 3396	200	6.3	170	20	10.3	6.7	179	26	24	<1
*Rep 3414	<100	5.1	120	19	13.1	2.5	50	9	10	<1
*Rep 3426	300	6.0	90	8	4.6	2.9	226	40	9	<1
*Rep 3438	<100	4.7	330	68	32.6	25.1	14	7	105	<1
*Rep 3446	<100	5.4	260	53	26.2	17.0	6	6	67	<1
*Std MMISRM16	<100	12.0	700	3	1.2	1.2	2	<1	5	15
*Std AMISO169	100	7.5	4680	36	15.8	13.5	54	15	54	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3376	<0.5	27.3	4	36	154	9770	23	<0.5	15	179
3377	<0.5	30.2	2	47	128	10600	15	<0.5	6	58
3378	<0.5	24.9	21	30	69	1590	119	2.2	31	138
3379	<0.5	21.4	38	25	47	3360	28	1.4	61	131
3380	<0.5	27.7	119	12	86	3860	90	4.2	171	246
3381	<0.5	21.2	26	18	25	3840	41	0.7	53	67
3382	<0.5	12.6	42	<5	55	7700	8	1.8	70	129
3383	<0.5	20.1	318	8	17	2470	<5	15.6	552	131
3384	<0.5	17.2	209	<5	2	1180	<5	10.7	426	72
3385	<0.5	20.1	88	<5	1	480	<5	0.7	433	33
3386	<0.5	15.6	39	6	3	250	<5	12.0	37	60
3387	<0.5	21.8	66	19	85	3040	87	2.7	113	226
3388	<0.5	8.2	22	14	3	300	<5	12.6	17	23
3389	<0.5	14.9	17	11	103	13200	<5	<0.5	37	154
3390	<0.5	11.1	103	<5	2	3890	<5	15.3	141	47
3391	<0.5	12.9	21	29	74	1300	<5	<0.5	52	83
3392	<0.5	24.2	15	33	82	1580	140	2.1	30	362
3393	<0.5	32.4	6	53	91	1340	129	<0.5	17	208
3394	<0.5	43.1	9	54	98	1970	125	<0.5	24	335
3395	<0.5	4.8	430	10	18	970	27	10.6	374	184
3396	<0.5	9.3	157	11	6	230	<5	13.8	163	117
3397	<0.5	13.9	1040	9	3	5370	<5	13.0	1120	89
3398	<0.5	14.2	92	<5	1	520	<5	10.4	88	46
3399	<0.5	23.7	122	<5	<1	5510	<5	6.5	149	64
3400	<0.5	25.2	54	6	3	480	<5	17.6	35	42
3401	<0.5	19.6	38	<5	<1	1280	<5	8.6	33	84
3402	<0.5	10.9	78	<5	1	290	<5	8.3	107	66
3403	<0.5	12.9	62	7	2	270	<5	21.5	64	55
3404	<0.5	10.9	291	<5	<1	200	<5	1.4	475	23
3405	<0.5	23.2	116	<5	3	390	<5	11.7	159	82
3406	<0.5	10.9	96	<5	<1	4970	6	7.8	117	54
3407	<0.5	8.0	2290	14	56	780	<5	15.8	2520	123
3408	<0.5	7.3	33	<5	1	620	<5	6.8	31	33
3409	<0.5	9.5	28	<5	1	270	5	8.5	30	24
3410	<0.5	6.0	6	5	<1	200	<5	5.5	7	24
3411	<0.5	21.9	175	15	135	16000	<5	0.8	221	344
3412	<0.5	23.4	83	26	155	7430	<5	0.6	117	265
3413	<0.5	19.2	32	6	2	800	<5	10.7	34	40
3414	<0.5	20.0	18	<5	2	440	<5	7.8	18	59
3415	<0.5	16.3	59	36	7	1990	10	68.0	45	58
3416	<0.5	21.7	114	14	76	3070	105	3.3	149	307
3417	<0.5	23.4	31	18	74	4760	45	0.9	66	153
3418	<0.5	13.1	27	5	3	230	5	19.8	19	17

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3419	<0.5	12.7	19	5	2	80	<5	7.1	18	44
3420	<0.5	15.3	30	24	6	250	<5	58.6	28	42
3421	<0.5	12.9	43	34	6	710	<5	38.3	30	132
3422	<0.5	22.7	65	11	3	1760	<5	9.6	61	102
3423	<0.5	19.7	85	<5	1	1370	<5	8.2	135	52
3424	<0.5	14.7	52	<5	20	210	<5	5.4	56	119
3425	<0.5	29.0	27	9	3	390	<5	5.8	26	122
3426	<0.5	17.7	61	20	6	260	<5	24.9	58	130
3427	<0.5	27.4	15	<5	71	2690	<5	1.0	22	63
3428	<0.5	14.6	38	6	2	270	<5	8.6	49	41
3429	<0.5	10.1	37	<5	<1	1610	<5	3.9	39	123
3430	<0.5	25.0	45	<5	3	210	<5	5.4	50	162
3431	<0.5	10.6	44	17	4	30	<5	4.4	29	178
3432	<0.5	16.3	57	<5	2	1520	<5	9.7	95	49
3433	<0.5	14.8	137	<5	1	380	<5	6.6	250	27
3434	<0.5	14.5	122	11	3	240	6	21.3	139	58
3435	<0.5	14.4	674	7	2	8710	<5	15.2	840	40
3436	<0.5	29.0	194	<5	32	340	<5	1.6	382	26
3437	<0.5	16.5	50	<5	<1	670	<5	4.8	107	43
3438	<0.5	15.4	225	<5	4	700	<5	1.2	462	24
3439	<0.5	11.2	135	<5	2	190	<5	14.1	128	62
3440	<0.5	8.1	53	<5	<1	570	<5	2.9	49	19
3441	<0.5	13.3	135	<5	124	230	<5	<0.5	219	35
3442	<0.5	17.6	81	<5	3	1110	<5	7.3	84	165
3443	<0.5	32.8	66	<5	15	560	<5	4.9	104	35
3444	<0.5	13.4	38	<5	1	240	<5	8.1	71	31
3445	<0.5	15.2	73	<5	<1	100	<5	3.5	104	40
3446	<0.5	12.1	77	<5	<1	180	<5	<0.5	231	25
3447	<0.5	18.3	138	<5	2	830	<5	4.0	313	27
3448	<0.5	20.6	57	5	2	1160	<5	15.6	118	36
3449	<0.5	22.1	47	<5	3	3220	<5	7.6	52	68
3450	<0.5	9.6	63	<5	1	60	<5	13.0	34	87
*Rep 3387	<0.5	21.2	130	19	81	3380	87	3.4	157	297
*Rep 3396	<0.5	9.0	142	10	6	210	<5	15.0	145	116
*Rep 3414	<0.5	20.8	27	<5	1	780	<5	4.0	35	45
*Rep 3426	<0.5	17.4	58	19	6	260	<5	22.9	52	152
*Rep 3438	<0.5	15.1	245	<5	7	890	<5	1.8	500	27
*Rep 3446	<0.5	13.2	98	<5	<1	190	<5	<0.5	272	23
*Std MMISRM16	<0.5	39.2	4	<5	31	100	53	<0.5	15	261
*Std AMISO169	<0.5	44.9	440	<5	35	4560	<5	4.2	429	555
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3376	<0.1	80	<1	3	<1	29	<1	5	5	<1
3377	<0.1	50	<1	<1	<1	58	<1	<5	2	<1
3378	0.3	70	<1	7	<1	125	<1	<5	6	<1
3379	0.2	120	<1	13	<1	67	<1	<5	12	<1
3380	0.5	1110	<1	40	<1	90	4	19	30	<1
3381	0.1	440	<1	11	<1	48	1	<5	11	<1
3382	0.2	40	<1	15	<1	21	<1	6	13	<1
3383	4.3	590	<1	121	<1	171	<1	105	118	1
3384	2.9	510	<1	82	<1	263	<1	72	103	<1
3385	0.3	350	<1	78	<1	241	<1	101	117	<1
3386	3.4	440	<1	9	<1	191	<1	43	8	2
3387	0.5	1000	<1	25	<1	48	2	20	22	<1
3388	6.8	320	<1	5	<1	87	<1	32	4	6
3389	0.2	40	<1	7	<1	28	<1	8	9	<1
3390	5.8	720	<1	33	<1	194	1	73	33	2
3391	0.1	20	<1	10	<1	91	<1	5	12	<1
3392	0.3	280	<1	6	<1	133	2	<5	7	<1
3393	<0.1	270	<1	3	<1	318	2	<5	5	<1
3394	<0.1	910	<1	4	<1	336	3	<5	7	<1
3395	0.8	450	<1	100	<1	92	<1	50	62	<1
3396	4.9	240	<1	42	<1	167	<1	45	32	1
3397	3.6	450	<1	279	<1	334	<1	222	216	<1
3398	4.6	420	<1	23	<1	161	<1	39	19	2
3399	2.6	540	<1	35	<1	225	<1	73	34	<1
3400	12.8	400	<1	10	<1	147	<1	36	6	8
3401	4.2	430	<1	9	<1	278	<1	33	7	<1
3402	2.1	540	<1	24	<1	202	<1	73	28	<1
3403	3.5	710	<1	15	<1	158	<1	56	14	3
3404	0.9	180	<1	104	<1	384	<1	95	96	<1
3405	1.7	440	<1	36	<1	323	<1	66	35	<1
3406	3.6	280	<1	29	<1	227	<1	61	25	<1
3407	1.3	200	<1	617	<1	119	<1	255	474	<1
3408	5.9	560	<1	8	<1	73	1	32	7	3
3409	3.7	350	<1	7	<1	65	<1	26	7	4
3410	3.4	250	<1	2	<1	66	<1	16	2	1
3411	<0.1	40	<1	51	<1	65	<1	22	38	<1
3412	<0.1	50	<1	26	<1	45	<1	13	22	<1
3413	3.4	470	<1	8	<1	263	<1	40	7	<1
3414	0.8	320	<1	4	<1	226	<1	34	4	<1
3415	12.4	350	<1	12	<1	157	1	78	10	16
3416	0.3	760	<1	35	<1	90	3	11	27	<1
3417	0.2	720	<1	13	<1	80	3	7	15	<1
3418	5.5	320	<1	5	<1	118	<1	22	4	8

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3419	1.9	240	<1	4	<1	98	<1	22	4	<1
3420	10.2	600	<1	7	<1	124	<1	65	7	19
3421	11.4	390	<1	8	<1	164	<1	55	6	9
3422	3.1	260	<1	16	<1	468	<1	48	13	<1
3423	2.5	520	<1	29	<1	240	<1	51	35	<1
3424	0.6	340	<1	13	<1	257	<1	31	12	<1
3425	1.7	250	<1	6	<1	453	<1	29	6	<1
3426	5.8	50	<1	15	<1	318	<1	60	12	4
3427	0.6	110	<1	5	<1	72	<1	<5	5	<1
3428	1.5	510	<1	11	<1	294	<1	50	12	<1
3429	3.6	390	<1	9	<1	286	1	31	10	<1
3430	1.3	310	<1	12	<1	313	<1	32	11	<1
3431	1.9	100	<1	8	<1	227	<1	23	5	<1
3432	1.0	460	<1	19	<1	310	<1	52	23	<1
3433	0.7	260	<1	52	<1	198	<1	71	60	<1
3434	7.1	200	<1	34	<1	304	<1	79	29	2
3435	3.4	150	<1	205	<1	176	<1	87	157	<1
3436	0.3	130	<1	75	<1	249	<1	83	96	<1
3437	0.9	320	<1	22	<1	213	<1	55	27	<1
3438	0.3	310	<1	90	<1	265	<1	60	98	<1
3439	3.0	120	<1	32	<1	212	<1	82	29	2
3440	1.1	520	<1	12	<1	141	<1	43	10	<1
3441	0.1	20	<1	45	<1	73	<1	37	45	<1
3442	3.6	150	<1	21	<1	314	<1	47	18	<1
3443	0.5	340	<1	21	<1	310	<1	49	26	<1
3444	1.3	320	<1	15	<1	234	<1	58	18	<1
3445	1.1	100	<1	23	<1	261	1	60	25	<1
3446	0.1	310	<1	42	<1	255	<1	40	60	<1
3447	0.6	400	<1	58	<1	270	<1	64	76	<1
3448	3.4	380	<1	22	<1	276	<1	59	31	2
3449	2.8	310	<1	12	<1	226	<1	45	12	<1
3450	9.7	280	<1	9	<1	132	<1	41	6	4
*Rep 3387	0.4	900	<1	39	<1	49	1	19	26	<1
*Rep 3396	5.5	220	<1	37	<1	159	<1	43	28	1
*Rep 3414	0.5	430	<1	8	<1	262	<1	44	8	<1
*Rep 3426	5.4	40	<1	13	<1	302	<1	54	10	3
*Rep 3438	0.3	300	<1	99	<1	246	<1	66	107	<1
*Rep 3446	0.1	290	<1	50	<1	254	<1	44	69	<1
*Std MMISRM16	0.3	100	30	3	<1	319	<1	10	5	<1
*Std AMISO169	3.1	140	<1	111	<1	241	1	72	71	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3376	1050	<1	1	<10	8.9	<3	<0.5	109	<1	37
3377	690	<1	<1	<10	3.5	<3	<0.5	14	3	14
3378	490	<1	<1	<10	18.1	56	<0.5	25	3	20
3379	770	<1	1	<10	31.8	53	<0.5	24	1	38
3380	1590	<1	4	<10	126	193	<0.5	71	2	88
3381	1650	<1	2	<10	44.0	10	<0.5	21	1	45
3382	410	<1	2	<10	33.9	59	<0.5	16	<1	41
3383	160	1	20	<10	136	3000	0.6	19	2	536
3384	50	<1	16	<10	55.4	2290	0.5	12	1	421
3385	20	<1	15	<10	14.6	106	0.8	11	<1	320
3386	80	<1	1	<10	32.8	3230	0.7	5	1	42
3387	2890	<1	3	<10	83.6	175	<0.5	58	2	76
3388	90	1	<1	<10	21.1	3660	0.7	3	<1	14
3389	940	<1	2	<10	17.8	46	<0.5	5	<1	51
3390	40	1	5	<10	107	3340	0.6	15	1	99
3391	390	<1	2	<10	8.8	26	0.5	31	<1	36
3392	420	<1	1	<10	20.4	41	<0.5	35	2	26
3393	590	<1	<1	<10	9.6	<3	<0.5	1510	<1	31
3394	620	<1	2	<10	16.6	8	<0.5	118	<1	52
3395	380	<1	9	<10	98.8	694	<0.5	70	4	210
3396	120	1	5	<10	82.5	2290	0.5	8	1	92
3397	80	1	34	<10	153	2180	1.2	18	2	787
3398	30	<1	3	<10	53.6	2000	0.5	7	<1	50
3399	20	<1	6	<10	31.7	1310	0.6	10	<1	132
3400	130	2	1	<10	23.6	5080	0.5	5	2	30
3401	20	<1	1	<10	26.0	1180	0.8	7	<1	31
3402	50	<1	5	<10	34.3	1910	<0.5	9	<1	151
3403	80	2	2	<10	31.4	5750	0.5	6	2	71
3404	10	<1	13	<10	36.6	291	1.2	10	<1	321
3405	130	<1	6	<10	59.7	2870	0.9	9	1	173
3406	10	<1	4	<10	44.3	1340	0.6	9	<1	84
3407	2100	2	73	<10	125	2280	1.6	28	3	2110
3408	50	<1	1	<10	27.7	1360	<0.5	4	<1	20
3409	40	<1	1	<10	18.2	2070	<0.5	4	<1	24
3410	<10	<1	<1	<10	11.4	1240	<0.5	2	<1	7
3411	1600	<1	6	<10	86.3	17	<0.5	43	<1	156
3412	2070	<1	4	<10	46.1	15	<0.5	27	<1	110
3413	10	<1	2	<10	36.9	2680	0.6	5	<1	65
3414	10	<1	1	<10	17.0	2280	<0.5	5	<1	44
3415	80	6	2	<10	73.6	21600	0.7	13	4	32
3416	570	<1	4	<10	49.6	113	<0.5	130	2	90
3417	500	<1	3	<10	29.1	49	<0.5	148	1	65
3418	80	2	<1	<10	28.4	5850	<0.5	6	2	16

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3419	40	<1	<1	<10	15.9	1520	<0.5	3	<1	21
3420	100	6	1	<10	31.0	19800	0.7	7	4	35
3421	150	3	1	<10	34.2	10700	0.9	7	2	27
3422	50	<1	2	<10	47.4	1870	0.8	7	<1	73
3423	20	<1	7	<10	62.5	1930	0.6	10	<1	158
3424	450	<1	2	<10	27.9	1310	0.5	5	<1	69
3425	100	<1	1	<10	26.4	1210	0.8	5	<1	34
3426	120	2	2	<10	40.9	6130	1.2	7	2	39
3427	480	<1	<1	<10	6.8	100	<0.5	4	<1	17
3428	20	<1	3	<10	29.2	2340	0.5	7	<1	86
3429	30	<1	2	<10	44.3	543	0.6	8	<1	46
3430	70	<1	3	<10	24.3	1380	<0.5	6	<1	67
3431	100	<1	1	<10	11.5	737	<0.5	3	<1	33
3432	10	<1	5	<10	29.8	2740	0.5	7	<1	144
3433	10	<1	11	<10	46.5	1480	0.7	11	<1	235
3434	40	2	4	<10	146	4100	1.0	14	2	74
3435	50	2	20	<10	220	2340	1.0	18	2	264
3436	560	<1	15	<10	31.7	300	0.6	14	<1	331
3437	10	<1	4	<10	68.2	1070	<0.5	11	<1	81
3438	120	<1	13	<10	19.7	359	0.6	10	<1	355
3439	50	1	5	<10	46.8	4360	0.8	11	1	100
3440	<10	<1	2	<10	17.9	415	<0.5	5	<1	40
3441	1900	<1	8	<10	37.8	5	<0.5	24	<1	168
3442	80	<1	3	<10	46.6	1180	0.9	10	<1	65
3443	240	<1	5	<10	38.7	1350	<0.5	7	<1	144
3444	10	<1	3	<10	24.5	2110	0.5	7	<1	88
3445	<10	<1	4	<10	26.5	891	0.7	8	<1	93
3446	<10	<1	9	<10	10.2	30	0.5	8	<1	225
3447	130	<1	13	<10	37.7	1060	0.6	8	<1	320
3448	30	1	6	<10	20.1	4860	<0.5	6	1	179
3449	80	<1	2	<10	22.4	1990	0.5	6	<1	60
3450	50	1	1	<10	37.9	4490	<0.5	8	<1	29
*Rep 3387	3070	<1	3	<10	96.6	122	<0.5	85	2	73
*Rep 3396	130	1	4	<10	80.0	2550	0.5	8	1	85
*Rep 3414	30	<1	2	<10	18.6	1130	0.5	5	<1	101
*Rep 3426	140	2	2	<10	37.0	5480	1.2	6	1	36
*Rep 3438	200	<1	15	<10	25.2	520	0.6	10	<1	348
*Rep 3446	<10	<1	10	<10	12.7	50	<0.5	8	<1	251
*Std MMISRM16	450	<1	<1	<10	23.7	18	<0.5	54	<1	10
*Std AMISO169	70	<1	9	<10	98.9	571	1.3	33	2	138
*Bik BLANK	<10	<1	<1	<10	<0.5	3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	18	<0.5	<1	<1	<5

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Final : TO111206 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3376	5	120	<5
3377	2	20	<5
3378	2	210	13
3379	3	60	38
3380	11	40	112
3381	5	30	39
3382	3	40	36
3383	43	880	172
3384	29	190	83
3385	33	180	19
3386	6	450	72
3387	9	60	89
3388	1	340	51
3389	7	220	20
3390	11	330	178
3391	2	20	8
3392	2	70	13
3393	3	220	8
3394	7	200	21
3395	16	210	108
3396	9	560	104
3397	64	60	190
3398	5	110	79
3399	12	150	55
3400	3	250	89
3401	4	270	47
3402	13	170	60
3403	7	200	85
3404	20	60	48
3405	13	150	106
3406	9	800	71
3407	193	320	176
3408	2	500	54
3409	3	280	45
3410	1	180	25
3411	24	1020	38
3412	21	610	26
3413	7	100	69
3414	7	100	40
3415	4	320	225
3416	10	140	34
3417	8	510	27
3418	2	120	65

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Final : TO111206 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3419	3	380	24
3420	4	350	169
3421	3	350	89
3422	8	930	84
3423	15	4060	76
3424	5	240	46
3425	5	90	48
3426	5	140	137
3427	1	290	7
3428	10	220	61
3429	6	1150	51
3430	6	70	43
3431	5	<20	20
3432	13	310	57
3433	19	40	70
3434	8	620	235
3435	22	110	192
3436	27	80	50
3437	8	130	96
3438	22	50	26
3439	10	720	115
3440	4	850	34
3441	25	120	24
3442	6	180	80
3443	11	70	59
3444	10	70	53
3445	9	70	53
3446	17	60	11
3447	23	390	47
3448	15	460	58
3449	6	900	49
3450	3	80	74
*Rep 3387	9	50	70
*Rep 3396	8	570	104
*Rep 3414	10	80	37
*Rep 3426	4	170	118
*Rep 3438	23	60	37
*Rep 3446	19	60	13
*Std MMISRM16	<1	270	16
*Std AMISO169	13	270	61
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111210

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 18, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3676	14	41	10	0.3	2180	<1	440	7	271	73
3677	12	43	10	0.3	2650	<1	390	9	453	88
3678	3	10	<10	0.6	1310	<1	230	2	20	83
3679	5	160	<10	<0.1	480	<1	310	28	65	17
3680	13	24	<10	0.1	1080	<1	330	11	250	94
3681	4	28	<10	0.2	1430	<1	350	3	<5	18
3682	6	16	<10	0.2	1110	<1	310	5	54	121
3683	4	84	<10	<0.1	230	<1	310	2	164	24
3684	15	44	20	0.2	1680	<1	320	11	2280	213
3685	13	32	<10	0.2	3340	<1	550	9	325	108
3686	9	38	20	0.1	1450	<1	330	5	505	54
3687	6	131	<10	0.2	1480	<1	390	5	142	15
3688	5	124	10	0.2	2160	<1	250	3	814	12
3689	8	76	<10	0.2	1730	<1	420	5	47	190
3690	6	188	<10	0.1	1610	<1	210	16	1890	89
3691	12	34	<10	0.4	1610	<1	510	12	170	276
3692	5	8	<10	0.6	1220	<1	290	2	64	155
3693	4	15	<10	0.4	1100	<1	250	2	9	155
3694	6	30	10	0.1	1890	<1	300	6	1200	230
3695	5	45	10	0.4	2130	<1	380	3	490	41
3696	11	21	<10	0.2	2640	<1	380	6	148	48
3697	4	11	<10	0.2	1140	<1	280	2	9	23
3698	2	6	<10	0.2	1370	<1	200	2	<5	<5
3699	9	45	<10	0.2	1320	<1	470	10	179	160
3700	11	22	<10	0.2	1960	<1	290	4	254	63
3701	14	39	<10	0.2	4590	<1	480	9	986	150
3702	10	31	<10	0.2	3240	<1	380	13	916	129
3703	15	23	<10	0.2	2900	<1	360	8	75	82
3704	12	16	20	0.3	2460	<1	240	4	181	44
3705	6	61	<10	0.2	2510	<1	450	12	396	83
3706	6	20	<10	0.2	1010	<1	290	3	95	160
3707	3	55	<10	0.3	870	<1	400	5	30	34
3708	6	17	<10	0.2	2430	<1	340	4	107	24
3709	3	250	<10	0.1	780	<1	10	29	265	62
3710	1	237	20	0.2	1380	1	10	9	619	81
3711	4	24	<10	0.1	1730	<1	210	5	401	63
3712	15	18	<10	0.2	1640	<1	410	9	137	152
3713	12	99	<10	0.3	2450	<1	320	5	599	57
3714	5	68	<10	0.1	590	<1	450	18	33	11
3715	6	26	20	0.1	1440	<1	300	8	171	20
3716	1	22	70	0.1	780	<1	360	1	65	32
3717	2	30	<10	<0.1	590	<1	270	3	131	20
3718	6	18	<10	0.2	1180	<1	300	3	507	77

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3719	7	100	<10	0.1	1570	<1	350	6	589	28
3720	7	36	20	0.2	760	<1	290	4	133	162
3721	5	12	<10	0.3	1130	<1	290	4	40	25
3722	2	8	<10	0.3	1460	<1	210	2	5	12
3723	7	48	<10	0.2	1230	<1	380	3	67	19
3724	9	38	<10	0.4	870	<1	390	6	25	86
3725	4	17	<10	0.2	1080	<1	260	2	7	32
3726	4	17	<10	0.3	1100	<1	270	3	12	37
3727	6	26	<10	0.2	580	<1	260	7	31	34
3728	5	17	<10	0.2	820	<1	340	4	44	66
3729	18	24	<10	0.1	1410	<1	470	17	43	365
3730	12	17	<10	0.2	1040	<1	370	5	12	88
3731	5	182	<10	0.1	1150	<1	60	8	348	147
3732	10	21	<10	0.2	1270	<1	300	9	371	107
3733	10	57	<10	0.7	1670	<1	380	5	1160	207
3734	10	116	<10	<0.1	1760	<1	310	4	475	67
3735	6	98	<10	0.1	1190	<1	360	9	415	17
3736	2	239	<10	<0.1	1300	<1	30	5	121	73
3737	11	150	<10	0.1	1430	<1	270	3	332	26
3738	<1	140	<10	<0.1	950	<1	150	1	54	91
3739	11	55	<10	0.1	1940	<1	390	5	804	174
3740	14	28	<10	0.2	1210	<1	490	11	97	151
3741	12	63	<10	0.1	1760	<1	370	7	843	238
3742	14	22	<10	0.1	1330	<1	430	12	65	80
3743	9	118	<10	<0.1	1530	<1	290	10	384	98
3744	8	53	<10	0.1	1250	<1	450	15	195	82
3745	6	32	<10	0.2	1020	<1	290	5	68	269
3746	3	17	<10	0.3	600	<1	240	3	40	42
3747	9	14	<10	0.2	930	<1	210	5	29	37
3748	3	295	<10	<0.1	360	<1	<10	9	185	46
3749	3	66	<10	0.2	1370	<1	310	3	163	22
3750	<1	265	<10	<0.1	1900	<1	<10	2	182	21
*Rep 3688	5	53	<10	0.2	1940	<1	250	3	323	8
*Rep 3695	4	29	10	0.2	2660	<1	330	2	324	34
*Rep 3708	5	15	<10	0.5	2700	<1	280	4	104	19
*Rep 3724	10	51	<10	0.2	760	<1	410	6	71	146
*Rep 3728	8	34	<10	0.2	1020	<1	430	6	152	247
*Rep 3744	9	64	<10	0.2	1580	<1	510	12	296	112
*Std MMISRM16	32	45	20	26.9	60	<1	210	4	16	65
*Std AMIS0169	9	61	10	0.6	600	<1	30	2	723	119
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3676	<100	1.2	4360	12	7.3	4.4	42	2	17	<1
3677	<100	1.2	7720	25	15.2	8.4	49	4	35	<1
3678	<100	<0.5	500	3	1.8	1.3	3	<1	5	<1
3679	<100	2.5	220	27	24.0	3.0	52	4	16	<1
3680	<100	0.9	1950	13	5.3	6.3	9	2	23	<1
3681	<100	1.4	260	5	2.5	1.9	3	<1	8	2
3682	<100	<0.5	1680	8	4.1	2.4	8	<1	11	<1
3683	<100	2.8	800	8	3.7	3.3	60	5	12	<1
3684	100	0.8	3520	74	41.1	26.3	120	13	111	<1
3685	<100	0.7	5950	16	9.2	5.8	23	2	22	<1
3686	<100	0.7	2470	24	13.0	9.2	64	4	36	<1
3687	100	1.5	500	24	13.0	7.6	44	3	29	<1
3688	100	2.5	700	61	28.7	24.9	65	9	89	<1
3689	<100	<0.5	1090	14	10.3	3.6	6	<1	17	<1
3690	200	1.7	1390	162	101	38.7	75	17	171	<1
3691	<100	0.5	1560	16	10.9	4.8	13	1	21	<1
3692	<100	0.5	860	9	4.9	2.4	11	<1	11	<1
3693	<100	<0.5	820	8	5.2	1.8	4	<1	9	1
3694	100	<0.5	3260	41	22.7	16.0	64	7	65	<1
3695	<100	2.5	3360	17	9.3	6.9	55	4	26	<1
3696	<100	<0.5	4740	16	10.3	4.5	34	2	20	<1
3697	<100	<0.5	710	9	4.4	2.8	3	<1	14	<1
3698	<100	0.6	520	2	1.1	1.0	1	<1	4	<1
3699	<100	<0.5	1900	20	13.0	5.7	16	2	26	<1
3700	<100	0.6	6690	21	13.4	6.4	47	2	29	<1
3701	<100	1.0	9250	46	28.9	15.3	41	6	64	<1
3702	100	1.2	4950	36	20.3	13.9	75	7	52	<1
3703	<100	0.5	6350	14	8.4	3.7	10	1	17	<1
3704	<100	0.8	5380	17	10.9	5.1	40	2	24	<1
3705	<100	1.3	5950	20	12.8	6.6	33	3	26	<1
3706	<100	<0.5	2090	9	5.7	2.5	18	<1	12	<1
3707	<100	0.8	810	14	8.3	3.9	12	1	18	2
3708	<100	<0.5	2970	10	6.2	3.3	36	1	14	<1
3709	<100	5.0	190	34	19.2	8.4	68	14	31	<1
3710	100	5.9	480	77	41.7	18.5	206	26	77	<1
3711	<100	1.3	350	19	7.6	10.3	13	3	34	<1
3712	<100	<0.5	3090	19	11.9	5.4	26	1	24	<1
3713	100	1.6	3790	29	17.6	9.2	62	5	36	<1
3714	<100	1.7	400	10	5.1	3.2	10	1	14	<1
3715	<100	0.5	3520	16	9.2	5.3	27	2	22	<1
3716	<100	<0.5	2530	6	3.8	2.2	26	1	9	<1
3717	<100	3.1	280	6	2.5	3.2	11	3	11	<1
3718	<100	<0.5	2500	17	9.0	7.1	64	3	27	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3719	100	0.8	1290	51	31.9	14.1	28	5	62	<1
3720	<100	<0.5	820	11	6.2	3.1	37	2	14	<1
3721	<100	<0.5	510	10	4.7	3.5	3	<1	16	<1
3722	<100	<0.5	530	5	2.3	1.5	1	<1	7	1
3723	<100	0.6	1030	28	14.7	8.3	10	1	38	2
3724	<100	<0.5	910	12	7.3	3.2	9	<1	15	2
3725	<100	0.6	980	8	4.4	2.1	4	<1	10	2
3726	<100	<0.5	600	7	4.3	2.0	3	<1	9	1
3727	<100	<0.5	730	3	1.5	1.2	5	<1	5	<1
3728	<100	<0.5	1030	14	8.6	3.4	7	<1	17	<1
3729	<100	<0.5	2230	8	7.1	1.8	5	<1	9	<1
3730	<100	<0.5	1030	11	8.5	2.2	4	<1	12	<1
3731	<100	2.9	680	74	40.7	13.0	137	10	60	<1
3732	<100	<0.5	2050	17	9.2	6.5	25	2	27	<1
3733	200	<0.5	3540	44	30.1	14.9	52	7	60	<1
3734	100	<0.5	1090	107	85.0	16.8	79	5	82	<1
3735	100	1.2	840	55	34.9	14.4	26	5	64	<1
3736	<100	2.8	230	24	18.6	3.1	118	10	13	<1
3737	200	1.1	1080	68	51.0	13.1	77	6	63	<1
3738	<100	4.8	760	10	26.0	1.1	92	8	5	<1
3739	<100	0.5	1720	80	59.3	19.9	43	6	91	<1
3740	100	<0.5	1570	12	8.8	3.2	5	1	15	<1
3741	200	0.7	2110	63	46.2	15.9	68	6	71	<1
3742	<100	<0.5	1440	15	10.7	3.4	10	<1	17	<1
3743	200	0.9	1120	71	57.8	11.4	105	5	55	<1
3744	200	1.2	2960	17	12.1	4.5	21	2	19	<1
3745	<100	<0.5	820	8	5.2	2.3	10	1	10	<1
3746	<100	<0.5	480	5	3.1	1.7	7	<1	8	<1
3747	<100	<0.5	530	7	3.5	2.2	4	<1	10	<1
3748	100	14.6	510	15	9.9	3.3	142	22	12	<1
3749	<100	3.7	410	12	5.4	5.2	14	2	21	<1
3750	100	7.2	230	11	5.7	3.6	93	7	12	<1
*Rep 3688	<100	1.1	730	40	18.9	17.3	29	4	62	<1
*Rep 3695	<100	1.8	3270	16	9.0	6.5	41	3	24	<1
*Rep 3708	<100	0.5	3090	11	6.7	3.5	39	2	15	<1
*Rep 3724	<100	<0.5	1000	11	6.2	3.4	13	1	14	<1
*Rep 3728	100	<0.5	1720	23	16.2	5.9	12	2	28	1
*Rep 3744	200	1.4	3860	21	13.0	6.1	21	3	25	<1
*Std MMISRM16	<100	12.3	750	2	1.0	1.0	1	<1	4	15
*Std AMISO169	<100	7.2	4120	30	12.3	11.4	42	13	46	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3676	<0.5	42.9	92	24	78	4700	81	3.7	125	271
3677	<0.5	26.3	178	13	74	5200	49	3.5	236	170
3678	<0.5	17.9	5	32	54	6610	<5	<0.5	16	54
3679	<0.5	11.6	30	<5	78	1650	<5	0.6	48	463
3680	<0.5	14.8	79	<5	82	6780	<5	0.6	137	140
3681	<0.5	12.8	9	<5	94	390	<5	<0.5	23	47
3682	<0.5	11.9	16	24	75	10200	20	<0.5	36	92
3683	<0.5	5.1	69	<5	31	5920	15	6.1	83	66
3684	<0.5	15.9	1110	13	79	9660	<5	6.9	960	123
3685	<0.5	26.3	119	10	84	6270	26	3.9	162	193
3686	<0.5	20.1	206	5	42	2560	14	4.9	257	68
3687	<0.5	17.6	170	<5	75	290	<5	7.0	173	103
3688	<0.5	10.5	794	6	53	640	<5	13.0	642	58
3689	<0.5	21.7	42	23	115	1360	<5	0.6	65	99
3690	<0.5	15.1	876	<5	46	1460	<5	7.0	889	205
3691	<0.5	12.4	65	12	104	6470	<5	0.5	101	112
3692	<0.5	9.7	20	13	59	8910	<5	0.5	40	52
3693	<0.5	15.0	6	15	106	8980	<5	<0.5	18	167
3694	<0.5	16.8	527	8	89	11800	7	5.8	531	152
3695	<0.5	14.9	179	10	47	4700	52	3.1	201	93
3696	<0.5	53.1	46	69	94	1180	23	1.6	95	173
3697	<0.5	8.1	1	5	89	430	<5	<0.5	20	33
3698	<0.5	14.1	4	16	37	180	<5	<0.5	12	23
3699	<0.5	17.7	70	13	119	5750	<5	1.2	118	221
3700	<0.5	28.0	96	18	48	3730	49	1.5	160	108
3701	<0.5	17.7	417	14	76	3460	16	3.2	462	166
3702	<0.5	22.1	361	5	66	2630	<5	5.2	422	98
3703	<0.5	28.9	24	18	93	6990	16	1.2	58	243
3704	<0.5	22.4	73	15	58	5090	24	1.9	115	101
3705	<0.5	24.7	181	20	77	5620	64	3.4	185	250
3706	<0.5	18.2	28	9	69	12000	7	<0.5	53	93
3707	<0.5	14.6	43	<5	96	750	<5	0.9	72	93
3708	<0.5	28.6	33	21	61	2460	29	0.9	62	78
3709	<0.5	19.8	114	<5	6	2540	<5	5.8	142	88
3710	<0.5	25.9	189	<5	5	5250	<5	24.4	297	75
3711	<0.5	12.4	164	<5	56	770	<5	1.3	229	35
3712	<0.5	20.7	47	12	117	5330	6	1.4	105	84
3713	<0.5	22.5	258	6	54	12900	22	7.9	271	161
3714	<0.5	13.8	35	<5	90	500	<5	<0.5	56	144
3715	<0.5	22.0	64	8	74	2470	33	1.3	109	73
3716	<0.5	16.4	21	23	73	1410	66	2.8	48	213
3717	<0.5	8.2	48	7	38	220	13	3.2	69	54
3718	<0.5	19.6	164	<5	47	8160	12	3.2	210	97

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3719	<0.5	19.3	335	<5	86	600	<5	2.7	356	125
3720	<0.5	12.1	48	<5	59	7940	<5	6.3	64	171
3721	<0.5	8.0	10	<5	91	1440	<5	<0.5	42	61
3722	<0.5	16.3	4	33	81	710	<5	<0.5	14	45
3723	<0.5	14.1	98	<5	100	790	<5	0.7	151	80
3724	<0.5	16.3	24	<5	109	2910	<5	0.5	49	113
3725	<0.5	9.9	8	9	82	1610	<5	<0.5	21	110
3726	<0.5	18.4	10	18	91	2610	<5	<0.5	23	112
3727	<0.5	12.2	13	15	60	920	<5	<0.5	22	102
3728	<0.5	12.0	24	13	109	1990	<5	0.6	56	119
3729	<0.5	18.9	14	21	129	7960	<5	<0.5	29	188
3730	<0.5	16.6	10	<5	159	3480	<5	<0.5	26	213
3731	<0.5	13.7	124	5	33	3810	<5	6.0	223	222
3732	<0.5	16.8	163	13	92	8590	<5	1.5	187	84
3733	<0.5	18.1	503	9	99	11000	<5	4.3	493	237
3734	<0.5	14.8	230	<5	101	1090	<5	1.1	333	236
3735	<0.5	12.8	300	<5	79	680	<5	1.1	320	125
3736	<0.5	14.9	54	9	13	680	<5	5.3	59	143
3737	<0.5	14.8	290	14	74	620	<5	4.7	295	151
3738	<0.5	15.4	25	12	55	220	<5	2.8	26	39
3739	<0.5	10.3	396	15	106	1430	<5	1.2	473	272
3740	<0.5	17.3	42	27	137	13600	<5	0.9	65	318
3741	<0.5	15.1	385	7	102	4740	<5	1.5	425	364
3742	<0.5	19.6	23	9	111	430	<5	0.6	48	240
3743	<0.5	18.0	181	<5	83	800	<5	1.9	229	259
3744	<0.5	25.0	80	<5	84	1910	<5	5.0	104	232
3745	<0.5	20.6	21	18	64	17300	<5	0.8	39	164
3746	<0.5	15.0	8	12	75	2780	7	<0.5	21	71
3747	<0.5	16.2	10	20	67	1970	10	<0.5	26	97
3748	<0.5	12.3	82	8	2	410	<5	16.7	73	262
3749	<0.5	12.7	72	<5	72	270	<5	0.7	102	66
3750	<0.5	14.6	69	6	2	340	<5	6.5	64	38
*Rep 3688	<0.5	10.3	387	6	68	410	<5	4.4	389	52
*Rep 3695	<0.5	14.8	108	9	49	3140	43	2.4	156	71
*Rep 3708	<0.5	30.2	34	23	58	2410	14	1.1	64	67
*Rep 3724	<0.5	17.6	42	<5	100	5710	<5	0.8	68	133
*Rep 3728	<0.5	14.5	106	8	133	7420	<5	1.0	142	238
*Rep 3744	<0.5	27.8	126	<5	91	2910	<5	5.8	153	276
*Std MMISRM16	<0.5	38.6	4	<5	32	110	50	<0.5	14	305
*Std AMISO169	<0.5	42.3	389	<5	30	3810	<5	3.3	362	477
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3676	0.4	790	<1	31	<1	97	1	21	21	<1
3677	0.2	820	<1	56	<1	151	3	19	40	<1
3678	<0.1	30	<1	3	<1	6	<1	<5	5	<1
3679	0.2	130	<1	10	<1	137	<1	32	12	<1
3680	0.3	50	<1	29	<1	102	<1	8	28	<1
3681	<0.1	20	<1	4	<1	112	<1	5	7	<1
3682	0.1	90	<1	7	<1	37	<1	<5	9	<1
3683	0.8	150	<1	21	<1	44	<1	10	15	<1
3684	0.3	290	<1	257	<1	72	<1	55	138	<1
3685	0.1	550	<1	39	<1	97	1	12	27	<1
3686	0.6	270	<1	63	<1	65	<1	16	43	<1
3687	0.6	60	<1	44	<1	99	<1	31	31	<1
3688	1.8	70	<1	175	<1	196	<1	88	107	<1
3689	0.1	100	<1	14	<1	48	<1	13	15	<1
3690	0.5	660	<1	224	<1	164	<1	105	171	<1
3691	<0.1	30	<1	22	<1	56	<1	13	20	<1
3692	0.1	40	<1	8	<1	34	<1	6	9	<1
3693	<0.1	60	<1	3	<1	7	<1	6	6	<1
3694	0.4	160	<1	137	<1	49	1	25	79	<1
3695	0.3	430	<1	52	<1	120	1	18	32	<1
3696	0.3	1000	<1	20	<1	67	2	11	19	<1
3697	<0.1	20	<1	2	<1	41	<1	6	9	<1
3698	<0.1	10	<1	2	<1	122	<1	<5	3	<1
3699	0.1	130	<1	26	<1	55	<1	11	24	<1
3700	0.1	630	<1	35	<1	72	2	10	30	<1
3701	0.1	780	<1	117	<1	182	1	24	73	<1
3702	0.3	290	<1	109	<1	112	2	35	66	<1
3703	0.1	620	<1	11	<1	118	2	8	14	<1
3704	0.2	730	<1	25	<1	109	2	8	22	<1
3705	0.3	710	<1	47	<1	129	2	19	30	<1
3706	<0.1	110	<1	11	<1	25	<1	6	11	<1
3707	0.1	30	<1	16	<1	128	<1	14	16	<1
3708	0.2	680	<1	13	<1	86	<1	8	13	<1
3709	1.1	660	<1	33	<1	216	<1	60	31	<1
3710	2.4	380	<1	64	<1	234	<1	97	72	2
3711	0.2	40	<1	52	<1	119	<1	13	43	<1
3712	<0.1	160	<1	22	<1	33	<1	11	22	<1
3713	0.3	440	<1	72	<1	173	1	47	43	<1
3714	<0.1	50	<1	12	<1	140	<1	<5	13	<1
3715	0.1	680	<1	24	<1	99	2	8	22	<1
3716	0.1	150	<1	10	<1	136	1	<5	9	<1
3717	0.5	100	<1	16	<1	96	<1	6	13	<1
3718	0.4	110	<1	51	<1	66	<1	8	34	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3719	0.3	110	<1	90	<1	125	<1	33	64	<1
3720	0.6	110	<1	15	<1	11	<1	11	13	<1
3721	<0.1	20	<1	7	<1	60	<1	6	13	<1
3722	<0.1	40	<1	2	<1	117	<1	<5	5	<1
3723	<0.1	50	<1	33	<1	88	<1	14	33	<1
3724	<0.1	40	<1	10	<1	60	<1	12	12	<1
3725	<0.1	40	<1	4	<1	102	<1	6	6	<1
3726	<0.1	30	<1	4	<1	57	<1	6	7	<1
3727	<0.1	40	<1	4	<1	26	<1	<5	5	<1
3728	<0.1	30	<1	11	<1	30	<1	6	13	<1
3729	<0.1	70	<1	6	<1	26	<1	8	7	<1
3730	<0.1	30	<1	5	<1	28	<1	9	7	<1
3731	1.2	300	<1	49	<1	200	<1	68	52	<1
3732	0.5	30	<1	45	<1	28	<1	9	31	<1
3733	0.2	160	<1	129	<1	47	<1	44	74	<1
3734	0.2	190	<1	74	<1	84	<1	88	71	<1
3735	0.1	90	<1	81	<1	103	<1	44	60	<1
3736	1.1	170	<1	14	<1	165	<1	31	12	<1
3737	0.5	180	<1	72	<1	94	<1	66	56	<1
3738	0.5	30	<1	7	<1	140	<1	46	5	<1
3739	0.1	90	<1	110	<1	98	<1	67	89	<1
3740	0.2	20	<1	14	<1	26	<1	8	13	<1
3741	0.2	120	<1	107	<1	100	<1	66	74	<1
3742	0.1	40	<1	9	<1	59	<1	10	12	<1
3743	0.2	200	<1	54	<1	115	<1	57	48	<1
3744	0.5	200	<1	25	<1	89	<1	19	19	<1
3745	0.2	60	<1	8	<1	15	<1	7	9	<1
3746	<0.1	40	<1	4	<1	23	<1	<5	6	<1
3747	<0.1	70	<1	5	<1	26	<1	<5	8	<1
3748	7.2	120	<1	20	<1	254	<1	44	14	2
3749	0.2	30	<1	23	<1	227	<1	9	21	<1
3750	1.2	130	<1	17	<1	256	<1	40	14	<1
*Rep 3688	0.8	30	<1	96	<1	169	<1	40	69	<1
*Rep 3695	0.3	450	<1	37	<1	117	2	14	27	<1
*Rep 3708	0.2	710	<1	14	<1	86	<1	11	14	<1
*Rep 3724	0.1	40	<1	15	<1	72	<1	10	14	<1
*Rep 3728	<0.1	40	<1	32	<1	36	<1	15	26	<1
*Rep 3744	0.7	260	<1	38	<1	97	<1	22	27	<1
*Std MMISRM16	0.3	90	29	2	<1	326	<1	9	4	<1
*Std AMIS0169	2.8	110	<1	95	<1	232	<1	59	60	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3676	3940	<1	3	<10	84.7	99	<0.5	137	2	60
3677	1230	<1	5	<10	113	142	0.6	40	2	136
3678	520	<1	<1	<10	8.4	5	<0.5	4	<1	21
3679	580	<1	3	<10	22.5	28	<0.5	55	<1	173
3680	480	<1	3	<10	18.6	15	<0.5	27	<1	60
3681	710	<1	1	<10	5.2	<3	<0.5	9	<1	26
3682	610	<1	2	<10	12.0	6	<0.5	53	<1	39
3683	340	<1	2	<10	28.5	314	<0.5	22	<1	38
3684	630	<1	17	<10	128	553	<0.5	34	2	425
3685	1980	<1	3	<10	73.4	64	<0.5	134	3	76
3686	930	<1	5	<10	102	197	<0.5	55	2	125
3687	530	<1	5	<10	47.1	253	<0.5	7	<1	132
3688	270	<1	14	<10	110	1000	0.9	15	1	325
3689	870	<1	3	<10	26.6	17	<0.5	23	<1	81
3690	490	<1	29	<10	182	851	1.1	44	1	948
3691	1120	<1	3	<10	30.8	28	<0.5	16	<1	86
3692	670	<1	2	<10	23.2	26	<0.5	2	<1	49
3693	710	<1	1	<10	12.3	12	<0.5	2	1	43
3694	990	<1	10	<10	218	182	<0.5	22	2	207
3695	630	<1	4	<10	76.4	148	0.5	37	1	89
3696	2040	<1	3	<10	53.6	75	<0.5	44	6	81
3697	770	<1	2	<10	6.6	<3	<0.5	22	<1	43
3698	350	<1	<1	<10	3.0	3	0.8	3	<1	14
3699	1260	<1	4	<10	69.0	32	<0.5	25	<1	98
3700	950	<1	4	<10	82.6	80	<0.5	46	2	121
3701	1320	<1	10	<10	172	71	0.8	32	1	221
3702	1340	<1	8	<10	182	430	<0.5	35	1	160
3703	1050	<1	2	<10	52.2	61	<0.5	30	2	65
3704	590	<1	3	<10	67.3	129	<0.5	21	2	96
3705	1010	<1	4	<10	90.0	85	<0.5	111	2	108
3706	750	<1	2	<10	39.3	20	<0.5	7	1	50
3707	660	<1	3	<10	41.1	16	<0.5	17	<1	65
3708	990	<1	2	<10	44.0	67	<0.5	12	2	53
3709	50	<1	6	<10	38.4	1320	<0.5	7	<1	180
3710	60	2	14	<10	89.2	7230	0.9	15	2	377
3711	370	<1	5	<10	29.9	183	0.7	10	<1	86
3712	670	<1	4	<10	41.3	55	<0.5	34	<1	92
3713	430	<1	6	<10	118	439	<0.5	49	1	152
3714	580	<1	2	<10	17.8	4	<0.5	22	<1	47
3715	580	<1	3	<10	48.9	59	<0.5	21	2	77
3716	360	<1	1	<10	25.9	22	<0.5	380	3	44
3717	280	<1	2	<10	19.3	406	<0.5	72	<1	24
3718	500	<1	4	<10	76.2	121	<0.5	33	1	89

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3719	980	<1	10	<10	122	103	0.5	48	<1	270
3720	410	<1	2	<10	60.0	574	<0.5	3	1	56
3721	580	<1	2	<10	9.4	5	<0.5	6	<1	47
3722	430	<1	<1	<10	4.3	<3	<0.5	6	<1	25
3723	620	<1	6	<10	38.1	16	<0.5	22	<1	134
3724	620	<1	2	<10	22.5	11	<0.5	13	<1	58
3725	360	<1	1	<10	8.5	4	1.2	4	<1	38
3726	470	<1	1	<10	8.7	7	<0.5	6	<1	36
3727	330	<1	<1	<10	9.1	14	<0.5	31	<1	19
3728	930	<1	3	<10	27.5	7	<0.5	14	<1	69
3729	1290	<1	1	<10	19.7	23	<0.5	21	<1	43
3730	1300	<1	2	<10	13.5	16	<0.5	7	<1	57
3731	240	<1	12	<10	83.6	1090	0.5	11	<1	393
3732	790	<1	4	<10	57.9	99	<0.5	12	<1	91
3733	650	<1	10	<10	217	56	<0.5	13	<1	234
3734	1020	<1	16	<10	74.6	39	<0.5	36	<1	578
3735	670	<1	10	<10	67.0	53	<0.5	33	<1	282
3736	170	<1	3	<10	35.5	1110	<0.5	4	<1	126
3737	840	<1	11	<10	75.0	323	<0.5	21	<1	455
3738	500	<1	1	<10	22.3	675	0.7	5	<1	58
3739	1010	<1	14	<10	90.7	83	<0.5	25	<1	419
3740	1300	<1	2	<10	25.6	19	<0.5	7	<1	63
3741	1070	<1	12	<10	122	63	<0.5	47	<1	333
3742	830	<1	3	<10	23.2	25	<0.5	8	<1	79
3743	850	<1	10	<10	78.8	93	<0.5	34	<1	402
3744	910	<1	3	<10	32.6	78	<0.5	56	<1	85
3745	650	<1	1	<10	37.3	39	<0.5	11	<1	41
3746	460	<1	1	<10	13.3	17	<0.5	11	<1	31
3747	500	<1	1	<10	11.3	12	<0.5	8	<1	36
3748	30	1	2	<10	55.0	2930	0.7	15	<1	65
3749	720	<1	3	<10	29.0	73	<0.5	8	<1	53
3750	60	<1	2	<10	64.8	1150	0.9	7	<1	47
*Rep 3688	350	<1	9	<10	68.6	360	0.7	9	<1	220
*Rep 3695	630	<1	4	<10	64.6	148	0.6	22	1	79
*Rep 3708	940	<1	2	<10	48.8	134	<0.5	8	2	58
*Rep 3724	580	<1	2	<10	32.2	11	<0.5	20	<1	53
*Rep 3728	1150	<1	4	<10	60.0	18	<0.5	24	<1	116
*Rep 3744	1030	<1	4	<10	53.1	97	0.6	71	<1	96
*Std MMISRM16	450	<1	<1	<10	25.0	8	<0.5	55	<1	10
*Std AMIS0169	70	<1	7	<10	79.5	441	1.2	26	2	121
*Bik BLANK	<10	<1	<1	<10	0.8	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.6	8	<0.5	<1	<1	<5

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Final : TO111210 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3676	8	80	50
3677	15	50	97
3678	2	60	13
3679	22	1530	27
3680	4	100	16
3681	2	<20	<5
3682	3	20	11
3683	3	130	26
3684	38	170	155
3685	9	40	63
3686	12	40	128
3687	10	420	51
3688	24	950	149
3689	11	110	22
3690	85	820	207
3691	10	140	24
3692	5	40	37
3693	5	30	13
3694	21	130	138
3695	9	<20	58
3696	11	30	32
3697	4	100	10
3698	<1	70	10
3699	12	160	31
3700	13	30	51
3701	27	90	101
3702	20	100	147
3703	9	50	52
3704	11	40	89
3705	13	110	46
3706	5	50	27
3707	8	240	29
3708	6	20	22
3709	15	480	62
3710	32	320	170
3711	6	50	20
3712	12	60	50
3713	17	130	117
3714	4	510	7
3715	9	30	52
3716	3	<20	10
3717	2	70	18
3718	8	<20	66

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Final : TO111210 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3719	27	230	98
3720	6	60	98
3721	4	30	12
3722	2	<20	7
3723	12	50	26
3724	7	30	21
3725	4	<20	10
3726	4	<20	14
3727	1	30	9
3728	7	120	20
3729	8	240	15
3730	8	170	13
3731	31	1030	87
3732	8	60	43
3733	30	340	147
3734	80	1120	73
3735	29	360	50
3736	17	540	51
3737	43	580	91
3738	44	130	40
3739	61	1260	56
3740	9	230	27
3741	45	910	98
3742	10	310	22
3743	52	1580	78
3744	11	140	38
3745	5	70	39
3746	2	50	18
3747	3	70	15
3748	8	190	118
3749	4	100	14
3750	4	140	112
*Rep 3688	15	490	72
*Rep 3695	8	<20	70
*Rep 3708	7	30	28
*Rep 3724	5	30	21
*Rep 3728	16	170	32
*Rep 3744	12	140	44
*Std MMISRM16	<1	280	19
*Std AMIS0169	10	230	50
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111208

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 20, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3526	6	150	<10	0.1	1880	<1	50	8	520	18
3527	7	197	<10	<0.1	2040	<1	<10	6	376	22
3528	4	>300	20	<0.1	500	<1	<10	13	64	31
3529	8	215	10	<0.1	770	<1	<10	5	337	31
3530	<1	>300	20	<0.1	170	<1	<10	1	41	<5
3531	1	274	<10	<0.1	390	<1	<10	3	45	5
3532	7	49	10	0.2	2430	2	290	5	3310	124
3533	5	70	10	0.2	1750	<1	230	4	1500	57
3534	1	>300	10	<0.1	960	<1	<10	6	135	36
3535	1	>300	20	<0.1	1040	<1	<10	20	88	31
3536	5	290	10	0.1	2610	<1	40	22	614	82
3537	4	220	<10	0.2	2020	<1	140	8	1260	44
3538	8	106	<10	0.2	2340	<1	240	16	2850	129
3539	3	117	<10	0.3	2330	<1	350	5	1390	41
3540	7	108	10	0.2	1960	<1	330	16	1690	510
3541	2	153	10	0.1	1180	<1	200	6	1880	36
3542	10	47	<10	0.3	2360	<1	320	20	602	439
3543	10	24	<10	0.3	1120	<1	410	3	36	16
3544	5	24	<10	0.3	1170	<1	400	3	135	30
3545	2	>300	20	0.1	2420	<1	<10	5	676	38
3546	<1	262	20	<0.1	430	<1	<10	3	173	17
3547	7	18	<10	0.4	1640	<1	490	4	101	275
3548	8	121	<10	0.1	550	<1	410	12	460	14
3549	11	53	<10	0.9	300	<1	240	6	575	81
3550	15	102	10	0.2	1110	<1	510	7	439	126
3551	8	38	<10	0.3	840	<1	520	10	88	36
3552	2	283	20	0.2	2120	1	20	8	476	73
3553	2	>300	10	0.1	960	<1	<10	11	380	39
3554	2	75	<10	0.1	1200	<1	250	7	513	347
3555	8	44	<10	0.2	890	<1	370	4	60	9
3556	1	121	<10	0.2	730	<1	<10	3	439	41
3557	3	239	10	0.2	710	<1	<10	9	257	61
3558	2	267	20	0.2	330	<1	<10	18	20	36
3559	9	296	20	0.2	2690	<1	<10	12	274	69
3560	10	19	10	0.2	3510	<1	270	4	21	79
3561	3	290	<10	<0.1	1640	<1	<10	11	95	41
3562	7	32	<10	0.3	1200	<1	460	2	11	20
3563	2	290	10	<0.1	2300	<1	70	15	499	38
3564	<1	170	<10	<0.1	500	<1	310	5	79	27
3565	5	45	<10	0.2	920	<1	460	4	69	19
3566	6	124	<10	0.1	1380	<1	400	36	400	155
3567	7	40	<10	0.3	2470	<1	380	5	390	207
3568	10	18	<10	0.2	2210	<1	390	2	25	25

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3569	8	43	<10	0.3	1180	<1	480	4	149	10
3570	4	131	<10	0.1	510	<1	350	33	142	50
3571	4	59	<10	0.2	1490	<1	360	3	167	24
3572	6	23	<10	0.4	1410	<1	470	4	109	79
3573	9	10	<10	0.2	960	<1	360	4	<5	10
3574	7	44	<10	0.1	720	<1	530	3	15	16
3575	11	108	<10	0.4	1000	<1	10	16	636	23
3576	2	>300	20	0.4	770	<1	<10	12	66	12
3577	6	216	10	0.3	1040	<1	<10	8	216	26
3578	13	37	<10	16.0	890	<1	400	7	6	35
3579	5	248	10	1.8	740	<1	<10	14	110	42
3580	7	157	<10	0.4	370	<1	<10	10	305	20
3581	<1	298	40	<0.1	2270	<1	20	7	225	40
3582	<1	272	<10	<0.1	760	<1	10	22	318	49
3583	2	13	30	0.2	2530	<1	320	2	334	10
3584	4	44	<10	0.3	1430	<1	460	5	29	14
3585	5	26	<10	0.3	1460	<1	430	4	27	34
3586	15	34	<10	<0.1	1770	<1	500	8	125	70
3587	6	42	<10	0.2	850	<1	440	11	312	45
3588	6	39	<10	0.4	900	<1	410	7	61	161
3589	6	59	<10	0.1	2050	<1	510	5	112	22
3590	10	75	<10	0.2	840	<1	450	6	495	37
3591	1	195	30	0.1	2540	2	80	4	3270	36
3592	6	29	<10	0.1	1790	<1	470	3	1830	170
3593	2	238	<10	<0.1	900	<1	<10	4	648	24
3594	4	148	<10	0.4	2340	<1	340	5	881	55
3595	3	266	<10	<0.1	1740	<1	30	7	319	51
3596	5	191	<10	<0.1	1380	<1	300	2	456	43
3597	4	165	<10	<0.1	740	<1	370	13	241	19
3598	12	54	<10	<0.1	2200	<1	670	14	334	75
3599	7	58	<10	0.2	950	<1	520	9	217	121
3600	2	23	20	0.1	1060	<1	460	2	517	58
*Rep 3537	4	136	<10	0.3	2090	<1	240	6	1730	35
*Rep 3550	14	87	20	0.1	1190	<1	460	11	496	130
*Rep 3552	2	285	10	0.1	2360	<1	10	4	474	53
*Rep 3575	10	114	<10	0.3	1420	<1	30	14	791	25
*Rep 3585	5	28	<10	0.2	1660	<1	440	5	38	39
*Rep 3592	7	28	<10	0.2	1870	<1	540	6	1760	207
*Std MMISRM16	19	43	20	27.6	60	<1	250	4	15	61
*Std AMIS0169	8	67	20	0.5	750	<1	40	2	914	119
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3526	<100	3.4	210	129	60.2	48.4	39	13	183	<1
3527	<100	5.9	250	60	30.1	16.3	35	9	66	<1
3528	100	2.1	100	7	4.4	2.2	137	28	6	<1
3529	200	4.6	220	24	12.6	9.1	99	18	30	<1
3530	100	4.5	20	4	1.9	1.5	18	37	4	<1
3531	400	1.9	40	4	2.2	1.8	43	55	5	<1
3532	200	2.6	2600	84	42.9	29.0	156	14	110	<1
3533	100	1.9	550	56	24.5	25.1	50	11	89	<1
3534	100	5.4	80	12	6.0	3.5	129	10	12	<1
3535	100	2.9	80	12	5.6	3.4	103	17	11	<1
3536	100	4.5	630	75	35.7	20.7	81	17	84	<1
3537	<100	1.3	530	171	91.2	43.7	41	13	184	<1
3538	200	1.0	900	96	47.8	33.2	50	14	132	<1
3539	100	0.7	860	176	103	46.2	27	10	211	<1
3540	300	0.6	1320	78	52.1	20.5	106	9	87	<1
3541	100	2.7	450	122	57.1	41.5	81	16	168	<1
3542	200	0.8	1480	26	14.3	10.1	29	4	39	1
3543	<100	<0.5	720	14	6.7	4.4	7	<1	20	1
3544	<100	0.9	290	13	6.2	5.1	10	1	20	<1
3545	200	6.3	400	87	42.2	20.6	100	20	86	<1
3546	200	3.5	220	7	2.9	2.9	279	14	9	<1
3547	<100	<0.5	1310	11	6.4	3.1	15	1	14	<1
3548	<100	2.2	530	28	15.2	7.9	53	4	33	<1
3549	<100	2.9	780	12	4.7	7.4	17	4	26	<1
3550	<100	0.7	3030	18	9.7	6.5	40	3	25	<1
3551	<100	1.2	370	7	3.3	3.0	5	<1	12	<1
3552	100	4.7	510	74	35.7	18.4	115	20	74	<1
3553	200	6.0	150	32	14.0	12.1	64	23	42	<1
3554	<100	0.6	1490	25	13.8	8.7	273	4	32	<1
3555	<100	1.2	390	7	3.2	3.3	8	<1	13	<1
3556	<100	6.4	240	48	22.1	19.1	27	10	67	<1
3557	200	7.3	260	24	11.5	8.2	86	23	30	<1
3558	<100	2.1	140	2	1.7	<0.5	176	17	2	<1
3559	100	4.8	150	20	9.9	6.0	96	41	22	<1
3560	<100	1.5	5750	7	4.6	1.6	6	1	7	<1
3561	<100	6.8	230	15	9.9	3.0	57	9	11	<1
3562	<100	<0.5	420	8	5.1	2.0	7	<1	10	1
3563	100	7.3	290	39	18.5	9.8	91	12	40	<1
3564	<100	2.0	150	9	4.6	2.7	97	13	11	<1
3565	<100	1.3	410	9	5.0	2.9	12	1	13	<1
3566	100	1.2	980	56	35.4	12.3	57	4	56	<1
3567	<100	0.5	880	24	13.2	9.3	26	3	37	<1
3568	<100	<0.5	660	10	5.1	3.1	6	<1	15	1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3569	<100	<0.5	700	29	17.2	7.6	13	2	35	1
3570	<100	0.8	150	32	18.1	5.5	95	3	26	<1
3571	<100	1.1	620	30	14.7	10.0	10	2	44	<1
3572	<100	<0.5	1020	14	7.7	4.5	14	<1	21	<1
3573	<100	<0.5	560	6	2.9	2.0	3	<1	10	<1
3574	<100	1.1	520	8	4.0	3.0	9	<1	13	1
3575	<100	3.2	250	104	52.0	28.5	14	8	117	<1
3576	<100	2.6	180	8	5.0	2.3	89	31	7	<1
3577	<100	5.9	210	40	21.8	10.5	73	18	41	<1
3578	<100	1.0	570	4	2.0	1.4	3	<1	6	<1
3579	100	6.5	300	17	11.3	3.5	99	15	13	<1
3580	<100	5.1	140	32	16.1	12.6	33	12	41	1
3581	300	3.6	430	14	6.2	4.4	261	25	16	<1
3582	<100	5.4	380	38	16.0	10.2	61	11	42	<1
3583	<100	0.5	2220	15	7.4	7.1	20	2	25	<1
3584	<100	0.5	990	12	7.1	3.8	11	<1	17	<1
3585	<100	<0.5	920	10	6.3	2.7	9	<1	13	<1
3586	<100	0.9	1950	15	8.5	4.4	11	2	20	<1
3587	<100	1.0	820	13	6.0	6.2	13	2	23	<1
3588	<100	0.7	890	7	4.3	2.3	13	1	10	<1
3589	<100	0.7	640	19	11.2	5.5	14	2	25	1
3590	100	0.5	1000	40	21.5	13.3	23	3	57	<1
3591	200	1.5	440	137	63.1	53.1	115	32	201	<1
3592	<100	0.6	2240	53	30.3	19.1	115	9	80	<1
3593	200	4.8	290	47	20.4	18.9	74	16	71	<1
3594	200	2.5	460	61	34.8	17.3	59	7	70	<1
3595	<100	3.0	460	66	34.5	12.6	112	17	56	<1
3596	200	1.6	580	50	30.9	11.2	94	8	49	<1
3597	<100	3.4	290	31	16.5	6.8	97	4	31	<1
3598	100	0.6	1920	21	13.0	6.5	25	2	28	<1
3599	<100	1.2	1030	12	6.1	4.7	22	2	19	<1
3600	<100	<0.5	2380	16	7.8	6.9	91	3	26	<1
*Rep 3537	100	1.0	760	166	91.0	50.2	43	11	212	<1
*Rep 3550	<100	2.6	3680	20	10.9	7.2	40	3	29	<1
*Rep 3552	100	5.5	480	72	33.5	17.6	95	18	71	<1
*Rep 3575	<100	3.1	280	142	71.3	41.6	15	8	174	<1
*Rep 3585	<100	<0.5	900	10	6.4	3.0	10	<1	14	<1
*Rep 3592	<100	0.5	2800	50	30.4	18.3	124	8	76	<1
*Std MMISRM16	<100	12.1	660	2	0.9	0.9	2	<1	4	14
*Std AMISO169	<100	7.8	4030	30	13.4	11.9	43	14	47	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3526	<0.5	21.8	466	<5	6	1160	<5	6.8	915	22
3527	<0.5	21.2	159	<5	2	490	<5	5.0	288	29
3528	<0.5	13.8	31	<5	1	880	<5	10.4	29	53
3529	<0.5	13.7	105	<5	<1	210	5	11.9	156	43
3530	<0.5	3.7	21	<5	<1	20	<5	6.7	19	15
3531	<0.5	3.1	21	<5	<1	70	<5	15.7	21	33
3532	<0.5	7.0	1400	<5	31	2640	<5	15.4	951	94
3533	<0.5	12.0	516	<5	48	7380	<5	6.0	614	61
3534	<0.5	12.0	62	<5	<1	130	<5	7.3	56	77
3535	<0.5	13.6	50	<5	<1	1070	<5	6.6	48	70
3536	<0.5	16.0	307	5	13	1920	<5	9.6	434	95
3537	<0.5	10.8	670	<5	59	2710	<5	1.7	879	130
3538	<0.5	21.4	928	<5	61	22300	<5	4.1	840	128
3539	<0.5	15.6	853	<5	100	870	<5	1.1	948	127
3540	<0.5	23.9	433	5	120	33100	<5	6.8	515	209
3541	<0.5	19.5	832	<5	34	1580	<5	10.2	936	84
3542	<0.5	22.1	228	<5	104	39100	<5	1.5	289	189
3543	<0.5	12.3	38	<5	110	860	<5	<0.5	73	98
3544	<0.5	11.9	59	<5	83	1460	<5	0.7	95	57
3545	<0.5	13.5	362	9	3	590	<5	11.8	422	79
3546	<0.5	7.4	71	<5	1	40	<5	13.3	61	151
3547	<0.5	10.6	30	<5	87	10900	<5	0.6	64	101
3548	<0.5	5.5	196	<5	46	510	<5	2.5	200	118
3549	<0.5	9.6	157	<5	23	5690	<5	1.4	216	88
3550	<0.5	20.8	166	<5	67	13100	9	4.1	193	192
3551	<0.5	22.7	30	<5	86	840	<5	<0.5	51	96
3552	<0.5	16.4	190	8	9	1870	<5	14.4	334	82
3553	<0.5	12.6	200	<5	<1	2040	<5	10.9	231	42
3554	<0.5	16.2	215	<5	33	19900	<5	2.4	260	115
3555	<0.5	9.7	42	<5	79	440	<5	<0.5	67	86
3556	<0.5	13.2	117	<5	<1	600	<5	3.8	339	31
3557	<0.5	14.5	95	<5	<1	2440	<5	11.1	135	61
3558	<0.5	15.2	10	12	3	140	<5	11.8	8	107
3559	<0.5	12.8	100	<5	2	4620	<5	13.0	106	52
3560	<0.5	37.3	8	34	104	2050	61	0.7	19	371
3561	<0.5	20.4	40	<5	2	340	<5	5.5	50	79
3562	<0.5	22.7	10	<5	108	900	<5	<0.5	26	47
3563	<0.5	28.2	190	7	14	250	<5	7.5	208	90
3564	<0.5	18.1	40	<5	50	560	<5	5.3	48	52
3565	<0.5	12.8	31	<5	80	420	<5	0.5	54	83
3566	<0.5	20.9	174	<5	86	6390	<5	1.8	225	347
3567	<0.5	15.7	222	5	83	12000	<5	0.9	264	126
3568	<0.5	20.4	14	27	94	1130	<5	<0.5	42	114

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3569	<0.5	12.0	103	<5	91	330	<5	0.8	157	121
3570	<0.5	10.3	52	<5	83	2540	<5	0.7	85	220
3571	<0.5	20.6	124	<5	86	820	<5	<0.5	184	40
3572	<0.5	13.7	56	<5	104	2000	<5	0.7	94	103
3573	<0.5	17.9	1	50	90	580	<5	<0.5	13	87
3574	<0.5	17.1	29	<5	96	280	<5	<0.5	50	106
3575	<0.5	19.7	248	<5	3	900	<5	<0.5	493	28
3576	<0.5	12.3	30	<5	<1	130	<5	8.6	31	51
3577	<0.5	14.3	69	<5	1	400	<5	12.8	142	34
3578	<0.5	17.5	6	<5	62	890	<5	<0.5	17	28
3579	<0.5	15.1	32	<5	3	700	<5	10.3	53	77
3580	<0.5	10.0	104	<5	1	140	<5	5.3	209	38
3581	<0.5	13.6	108	9	9	150	<5	24.2	98	261
3582	<0.5	14.0	137	<5	3	240	<5	3.7	195	98
3583	<0.5	12.1	148	<5	50	1020	25	5.3	176	47
3584	<0.5	15.5	44	<5	90	440	<5	0.8	73	48
3585	<0.5	17.1	14	7	103	1710	<5	<0.5	36	55
3586	<0.5	11.8	56	7	89	880	<5	0.7	90	117
3587	<0.5	10.3	104	<5	75	820	<5	0.9	150	117
3588	<0.5	15.4	23	<5	72	13300	<5	0.5	42	137
3589	<0.5	13.5	71	<5	95	750	<5	0.9	121	92
3590	<0.5	11.3	236	<5	103	1930	<5	0.7	303	176
3591	<0.5	15.2	1510	<5	15	660	<5	26.2	1430	33
3592	<0.5	18.1	854	<5	106	11000	<5	2.5	674	101
3593	<0.5	10.0	279	<5	<1	80	<5	6.0	391	37
3594	<0.5	26.5	330	<5	78	1820	<5	3.4	356	116
3595	<0.5	16.8	126	7	14	320	<5	5.7	234	125
3596	<0.5	10.8	184	<5	63	430	<5	7.6	221	234
3597	<0.5	10.2	112	<5	56	370	<5	1.1	144	171
3598	<0.5	21.0	137	11	101	310	<5	2.6	169	248
3599	<0.5	16.5	70	<5	65	4400	<5	1.3	104	140
3600	<0.5	18.2	205	<5	41	6810	10	5.2	226	84
*Rep 3537	<0.5	11.4	611	<5	60	2110	<5	2.0	1100	116
*Rep 3550	<0.5	17.2	231	<5	53	16600	28	7.2	232	283
*Rep 3552	<0.5	15.2	189	8	6	1070	<5	12.6	335	66
*Rep 3575	<0.5	22.7	339	<5	8	1010	<5	<0.5	668	28
*Rep 3585	<0.5	14.9	19	6	92	1980	<5	0.5	43	59
*Rep 3592	<0.5	19.4	833	<5	131	12600	<5	2.1	648	115
*Std MMISRM16	<0.5	38.3	3	<5	31	100	51	<0.5	13	228
*Std AMISO169	<0.5	42.7	398	<5	31	4620	<5	3.5	386	481
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3526	1.0	280	<1	191	<1	286	<1	106	204	<1
3527	0.8	360	<1	61	<1	312	<1	64	65	<1
3528	4.7	180	<1	7	<1	174	<1	34	7	2
3529	1.9	250	<1	34	<1	241	<1	75	34	1
3530	3.5	230	<1	5	<1	45	<1	22	4	1
3531	12.8	140	<1	5	<1	21	<1	37	5	4
3532	0.7	420	<1	265	<1	182	<1	89	142	<1
3533	0.7	130	<1	149	<1	162	<1	47	108	<1
3534	2.7	170	<1	14	<1	178	<1	42	12	<1
3535	3.7	240	<1	12	<1	128	<1	43	11	<1
3536	3.7	450	<1	100	<1	257	<1	75	86	<1
3537	0.4	250	<1	185	<1	187	<1	139	184	<1
3538	0.7	220	<1	208	<1	161	<1	108	150	<1
3539	0.2	230	<1	212	<1	129	<1	113	201	<1
3540	0.5	210	<1	127	<1	92	<1	118	94	<1
3541	1.2	230	<1	220	<1	185	<1	97	184	<1
3542	0.4	40	<1	69	<1	130	<1	25	47	<1
3543	0.1	20	<1	15	<1	70	<1	10	17	<1
3544	0.2	30	<1	20	<1	108	<1	9	20	<1
3545	2.2	280	<1	103	<1	264	<1	97	86	1
3546	3.8	20	<1	16	<1	75	<1	26	12	<1
3547	0.1	30	<1	13	<1	29	<1	10	13	<1
3548	0.7	140	<1	51	<1	132	<1	18	36	<1
3549	0.5	60	<1	48	<1	108	<1	10	34	<1
3550	0.4	280	<1	49	<1	100	<1	14	31	<1
3551	0.1	20	<1	11	<1	119	<1	6	12	<1
3552	3.1	490	<1	72	<1	285	<1	95	76	1
3553	3.0	160	<1	56	<1	166	<1	60	48	2
3554	0.6	40	<1	64	<1	74	<1	61	42	<1
3555	0.2	10	<1	14	<1	114	<1	7	13	<1
3556	0.8	230	<1	70	<1	256	<1	65	77	<1
3557	1.8	160	<1	30	<1	332	<1	54	32	1
3558	2.7	70	<1	2	<1	242	<1	17	2	2
3559	2.9	260	<1	26	<1	245	<1	48	22	2
3560	0.1	1010	<1	3	<1	281	6	<5	5	<1
3561	1.4	360	<1	12	<1	374	<1	34	11	<1
3562	0.1	30	<1	5	<1	22	<1	10	7	<1
3563	1.3	390	<1	51	<1	275	<1	41	42	<1
3564	1.0	120	<1	11	<1	79	<1	17	11	<1
3565	0.1	20	<1	11	<1	141	<1	8	11	<1
3566	0.2	270	<1	51	<1	178	<1	45	49	<1
3567	0.3	50	<1	63	<1	104	<1	16	42	<1
3568	0.1	20	<1	7	<1	125	<1	6	11	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3569	0.1	40	<1	34	<1	69	<1	14	32	<1
3570	0.2	340	<1	18	<1	131	<1	35	21	<1
3571	0.1	60	<1	41	<1	119	<1	19	40	<1
3572	0.1	30	<1	20	<1	57	<1	8	19	<1
3573	<0.1	10	<1	1	<1	17	<1	<5	6	<1
3574	<0.1	10	<1	10	<1	139	<1	5	12	<1
3575	0.1	420	<1	98	<1	272	<1	84	109	<1
3576	3.4	230	<1	7	<1	333	<1	31	7	2
3577	1.6	460	<1	28	<1	301	<1	70	36	1
3578	0.3	10	<1	3	<1	104	<1	<5	5	<1
3579	1.5	420	<1	12	<1	297	<1	55	12	1
3580	1.0	410	<1	43	<1	203	<1	55	45	<1
3581	7.0	110	<1	26	<1	178	<1	46	18	2
3582	1.1	290	<1	43	<1	194	<1	33	40	<1
3583	0.6	260	<1	41	<1	88	1	7	29	<1
3584	0.1	50	<1	16	<1	114	<1	8	15	<1
3585	<0.1	50	<1	7	<1	100	<1	9	9	<1
3586	0.4	90	<1	20	<1	126	<1	16	18	<1
3587	0.3	50	<1	34	<1	126	<1	8	28	<1
3588	0.2	50	<1	9	<1	65	<1	7	9	<1
3589	0.2	30	<1	27	<1	104	<1	16	24	<1
3590	0.2	70	<1	71	<1	76	<1	22	56	<1
3591	3.9	360	<1	354	<1	163	<1	147	244	1
3592	0.4	90	<1	176	<1	61	<1	49	97	<1
3593	1.9	150	<1	89	<1	103	<1	64	78	<1
3594	0.4	260	<1	87	<1	193	<1	62	70	<1
3595	2.0	430	<1	50	<1	212	<1	46	51	<1
3596	1.2	180	<1	53	<1	108	<1	72	45	<1
3597	0.3	140	<1	34	<1	173	<1	25	29	<1
3598	0.2	190	<1	41	<1	68	<1	17	29	<1
3599	0.3	60	<1	23	<1	96	<1	10	19	<1
3600	0.3	140	<1	56	<1	67	<1	8	33	<1
*Rep 3537	0.5	250	<1	252	<1	158	<1	125	220	<1
*Rep 3550	0.5	350	<1	60	<1	130	<1	16	35	<1
*Rep 3552	2.3	460	<1	71	<1	308	<1	88	73	<1
*Rep 3575	0.2	430	<1	131	<1	267	<1	101	152	<1
*Rep 3585	0.1	50	<1	8	<1	96	<1	9	10	<1
*Rep 3592	0.3	90	<1	171	<1	58	<1	53	93	<1
*Std MMISRM16	0.3	80	29	2	<1	313	<1	8	4	<1
*Std AMIS0169	2.9	120	<1	98	<1	229	<1	60	61	1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3526	90	<1	27	<10	76.0	1370	0.7	12	1	657
3527	80	<1	11	<10	38.0	1270	0.7	7	<1	301
3528	40	<1	1	<10	16.3	2580	<0.5	4	<1	34
3529	20	<1	5	<10	45.0	3190	0.5	12	1	125
3530	20	<1	<1	<10	13.4	1150	<0.5	2	<1	16
3531	80	1	<1	<10	21.8	3270	<0.5	7	<1	19
3532	520	<1	19	<10	220	1620	0.7	40	2	423
3533	400	<1	13	<10	89.7	958	1.0	13	<1	274
3534	40	<1	2	<10	31.0	1250	<0.5	6	<1	51
3535	60	<1	2	<10	17.5	1060	<0.5	5	<1	51
3536	180	<1	15	<10	94.6	2360	0.8	10	<1	376
3537	530	<1	31	<10	117	1070	0.6	20	1	1090
3538	460	<1	20	<10	127	585	0.7	19	<1	464
3539	880	<1	32	<10	90.6	92	<0.5	40	<1	1110
3540	660	<1	14	<10	144	710	<0.5	41	<1	388
3541	240	<1	26	<10	141	2220	<0.5	25	1	580
3542	630	<1	6	<10	101	68	0.8	21	<1	130
3543	570	<1	3	<10	19.5	<3	<0.5	11	<1	64
3544	540	<1	3	<10	30.9	53	0.5	7	<1	63
3545	50	<1	16	<10	111	3040	0.8	13	1	422
3546	40	<1	2	<10	36.7	1930	<0.5	4	<1	27
3547	760	<1	2	<10	29.3	50	<0.5	22	<1	52
3548	360	<1	5	<10	57.8	190	0.5	23	<1	149
3549	160	<1	3	<10	28.5	207	0.6	20	<1	49
3550	660	<1	4	<10	90.7	54	0.7	185	<1	89
3551	720	<1	2	<10	10.4	<3	<0.5	18	<1	38
3552	170	1	13	<10	127	3620	0.9	16	2	321
3553	30	<1	7	<10	38.7	3010	0.7	8	<1	143
3554	370	<1	5	<10	46.3	227	<0.5	18	<1	129
3555	330	<1	2	<10	17.8	18	<0.5	13	<1	37
3556	<10	<1	10	<10	27.4	868	0.6	12	<1	191
3557	10	<1	5	<10	53.2	3210	0.7	10	<1	99
3558	40	<1	<1	<10	13.3	2610	0.7	3	<1	9
3559	70	1	4	<10	30.9	4560	0.7	7	1	99
3560	460	<1	1	<10	11.1	104	<0.5	108	<1	33
3561	30	<1	2	<10	35.9	1480	0.7	5	<1	73
3562	650	<1	1	<10	19.9	44	<0.5	12	<1	35
3563	230	<1	7	<10	67.5	1620	0.8	7	<1	189
3564	320	<1	2	<10	31.9	815	<0.5	6	<1	46
3565	640	<1	2	<10	33.6	20	<0.5	14	<1	40
3566	960	<1	9	<10	52.2	163	<0.5	33	<1	298
3567	1050	<1	5	<10	82.9	22	<0.5	15	<1	125
3568	420	<1	2	<10	12.4	7	<0.5	12	<1	51

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3569	710	<1	5	<10	69.1	23	<0.5	28	<1	143
3570	450	<1	5	<10	38.6	40	<0.5	18	<1	171
3571	1090	<1	6	<10	47.4	17	<0.5	9	<1	132
3572	1320	<1	3	<10	27.7	7	<0.5	12	<1	70
3573	480	<1	1	<10	3.1	<3	<0.5	25	<1	32
3574	690	<1	2	<10	13.5	<3	<0.5	19	<1	39
3575	120	<1	19	<10	14.6	51	0.6	8	<1	559
3576	30	<1	1	<10	18.7	2830	<0.5	6	<1	37
3577	10	<1	7	<10	27.8	4180	0.6	7	2	193
3578	690	<1	<1	<10	3.5	39	<0.5	6	<1	20
3579	10	<1	3	<10	31.7	2860	0.7	6	<1	80
3580	<10	<1	7	<10	20.2	1690	0.6	7	<1	167
3581	120	2	3	<10	60.3	4260	0.9	11	1	54
3582	120	<1	7	<10	37.9	747	0.7	6	<1	164
3583	400	<1	4	<10	37.3	374	<0.5	8	<1	75
3584	650	<1	2	<10	24.7	19	<0.5	11	<1	57
3585	680	<1	2	<10	19.1	27	<0.5	8	<1	50
3586	750	<1	3	<10	47.3	59	<0.5	65	<1	66
3587	440	<1	3	<10	51.1	42	0.6	15	<1	63
3588	530	<1	1	<10	27.2	22	0.6	6	<1	40
3589	1140	<1	4	<10	77.1	33	<0.5	30	<1	84
3590	520	<1	8	<10	127	21	<0.5	22	<1	186
3591	180	2	31	<10	208	5360	0.5	17	2	740
3592	990	<1	12	<10	151	154	<0.5	27	<1	292
3593	20	<1	11	<10	56.0	1240	0.5	11	<1	204
3594	370	<1	11	<10	101	491	<0.5	14	<1	301
3595	150	<1	11	<10	64.1	1250	<0.5	9	<1	340
3596	530	<1	9	<10	83.4	848	0.5	26	<1	254
3597	350	<1	5	<10	33.4	84	0.6	24	<1	182
3598	1580	<1	4	<10	87.7	85	<0.5	61	<1	99
3599	530	<1	3	<10	34.1	27	<0.5	15	<1	54
3600	940	<1	4	<10	63.3	151	<0.5	16	2	83
*Rep 3537	550	<1	32	<10	109	187	<0.5	28	<1	1010
*Rep 3550	480	<1	4	<10	88.8	129	1.0	229	2	113
*Rep 3552	140	<1	13	<10	116	3060	0.8	15	2	313
*Rep 3575	280	<1	27	<10	21.1	84	0.8	10	<1	873
*Rep 3585	660	<1	2	<10	24.8	22	<0.5	10	<1	49
*Rep 3592	1160	<1	12	<10	126	114	<0.5	31	<1	296
*Std MMISRM16	440	<1	<1	<10	20.3	3	<0.5	49	<1	8
*Std AMISO169	70	<1	7	<10	82.2	464	1.3	27	2	120
*Bik BLANK	<10	<1	<1	<10	0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111208 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3526	43	180	88
3527	21	80	66
3528	4	370	45
3529	11	400	89
3530	1	70	27
3531	2	80	44
3532	37	90	258
3533	20	70	89
3534	5	20	60
3535	5	120	41
3536	25	480	119
3537	71	1120	124
3538	37	590	137
3539	84	290	89
3540	46	350	179
3541	43	220	138
3542	13	360	67
3543	5	<20	18
3544	5	20	25
3545	32	190	172
3546	2	110	40
3547	6	80	33
3548	12	110	54
3549	3	50	10
3550	9	60	57
3551	2	80	6
3552	27	220	213
3553	11	140	76
3554	13	70	79
3555	3	<20	11
3556	18	280	40
3557	9	470	110
3558	2	160	45
3559	8	250	90
3560	4	140	23
3561	8	440	67
3562	4	<20	21
3563	13	410	92
3564	3	730	43
3565	4	<20	26
3566	27	440	51
3567	11	220	43
3568	4	<20	13

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Final : TO111208 Order: EXPL-005

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3569	14	20	44
3570	14	170	27
3571	11	60	23
3572	6	50	25
3573	2	50	5
3574	3	<20	7
3575	36	100	14
3576	4	230	54
3577	17	180	64
3578	1	50	5
3579	9	400	74
3580	13	90	36
3581	5	310	109
3582	10	450	43
3583	6	40	75
3584	6	190	20
3585	6	100	22
3586	8	140	35
3587	5	90	26
3588	4	80	27
3589	10	150	35
3590	17	50	62
3591	50	970	299
3592	27	100	99
3593	15	120	81
3594	28	90	106
3595	24	1110	73
3596	25	460	112
3597	12	370	26
3598	12	170	41
3599	5	90	25
3600	7	30	56
*Rep 3537	77	1330	114
*Rep 3550	10	80	66
*Rep 3552	25	220	193
*Rep 3575	47	90	20
*Rep 3585	6	120	25
*Rep 3592	27	100	86
*Std MMISRM16	<1	240	16
*Std AMIS0169	11	220	55
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111207

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 17, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3451	14	164	<10	<0.1	720	<1	<10	16	226	23
3452	4	138	<10	0.1	2300	<1	30	10	157	39
3453	2	277	20	0.2	2330	1	40	5	928	76
3454	12	59	<10	0.8	940	<1	350	10	60	48
3455	5	15	<10	0.3	1170	<1	290	5	22	150
3456	16	58	<10	0.2	2680	<1	550	15	392	131
3457	7	99	<10	0.1	2300	<1	450	11	872	161
3458	12	58	<10	0.3	1860	<1	610	6	34	30
3459	13	16	20	0.2	2080	<1	340	8	25	44
3460	13	61	<10	0.1	1950	<1	550	29	253	124
3461	19	16	<10	0.1	1540	<1	350	12	47	58
3462	2	>300	10	<0.1	2090	<1	<10	18	62	44
3463	<1	>300	40	<0.1	470	1	<10	9	77	14
3464	<1	>300	10	<0.1	970	<1	<10	3	155	57
3465	3	276	20	<0.1	2300	<1	100	4	838	51
3466	4	>300	20	<0.1	1520	<1	<10	17	233	35
3467	4	177	20	0.1	1510	<1	210	27	861	90
3468	5	132	<10	0.1	1700	<1	280	22	681	57
3469	2	273	<10	0.2	4040	<1	140	27	159	91
3470	5	36	<10	<0.1	480	<1	180	2	409	7
3471	<1	>300	10	<0.1	260	<1	<10	3	190	9
3472	2	>300	10	<0.1	370	<1	<10	13	152	31
3473	3	36	<10	0.2	1390	<1	360	1	27	8
3474	2	>300	30	<0.1	310	1	<10	25	176	30
3475	1	>300	30	<0.1	500	1	10	6	46	23
3476	1	280	10	<0.1	540	<1	<10	2	74	10
3477	2	78	20	0.3	1610	<1	380	13	300	191
3478	9	19	<10	0.1	1410	<1	470	6	26	69
3479	7	16	<10	0.2	1160	<1	340	7	35	201
3480	22	101	<10	0.2	1930	<1	550	13	376	147
3481	2	78	20	0.1	980	<1	280	2	34	190
3482	16	90	<10	0.2	2310	<1	480	33	636	256
3483	17	22	<10	<0.1	1830	<1	530	7	20	201
3484	21	22	10	0.3	2400	<1	460	18	151	101
3485	21	56	<10	0.3	3280	<1	450	24	668	299
3486	2	129	10	<0.1	350	<1	90	3	307	10
3487	5	55	<10	0.4	1210	<1	190	1	487	17
3488	4	57	<10	0.3	1390	<1	460	4	75	18
3489	6	19	<10	0.2	1100	<1	320	5	10	45
3490	5	26	30	0.6	1130	<1	270	5	1370	74
3491	8	65	<10	0.3	1690	<1	600	3	79	23
3492	4	300	<10	<0.1	1150	<1	80	12	706	55
3493	4	>300	20	0.2	2160	1	30	22	851	65

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
3494	1	>300	20	<0.1	590	<1	<10	5	583	25
3495	5	166	<10	0.2	1650	<1	330	23	632	71
3496	4	220	<10	0.3	2130	<1	90	9	296	43
3497	9	269	10	0.1	1310	<1	<10	15	593	25
3498	2	274	30	0.2	1890	1	50	14	444	61
3499	1	264	20	0.2	2660	<1	30	7	1050	60
3500	9	291	20	<0.1	2480	1	10	44	126	107
3501	13	265	10	<0.1	1220	<1	20	13	172	79
3502	5	292	20	<0.1	650	<1	10	23	69	56
3503	15	154	<10	<0.1	600	<1	<10	7	124	15
3504	3	>300	20	<0.1	1720	<1	<10	5	140	19
3505	4	247	<10	<0.1	1780	<1	<10	6	275	26
3506	4	269	10	<0.1	980	<1	<10	40	163	31
3507	4	>300	20	<0.1	640	<1	<10	15	77	24
3508	5	>300	20	<0.1	840	<1	<10	9	155	23
3509	2	199	<10	0.2	1040	<1	90	36	149	216
3510	4	254	10	<0.1	1640	<1	<10	14	171	48
3511	6	262	<10	<0.1	830	<1	<10	12	275	25
3512	2	274	10	0.2	2060	<1	60	26	577	102
3513	10	19	<10	0.3	990	<1	350	5	59	167
3514	5	>300	20	0.1	1460	<1	<10	21	106	47
3515	4	224	<10	<0.1	910	<1	<10	12	82	27
3516	1	>300	70	<0.1	260	2	<10	8	69	14
3517	1	279	20	<0.1	2510	1	<10	8	154	20
3518	14	153	<10	<0.1	500	<1	<10	29	280	27
3519	5	113	<10	<0.1	1000	<1	<10	7	394	19
3520	21	193	<10	<0.1	1310	<1	20	8	186	31
3521	5	196	<10	<0.1	1150	<1	<10	9	313	32
3522	6	172	10	0.1	2800	<1	80	9	1190	31
3523	4	105	10	0.2	1910	<1	230	8	1270	36
3524	2	239	10	<0.1	820	<1	<10	3	247	113
3525	3	258	<10	<0.1	250	<1	<10	4	211	18
*Rep 3461	17	16	10	0.4	1690	<1	320	13	47	53
*Rep 3473	3	45	<10	0.2	900	<1	340	2	48	7
*Rep 3479	7	16	<10	0.2	1190	<1	350	6	45	197
*Rep 3500	11	271	20	<0.1	2490	1	10	46	128	98
*Rep 3506	5	297	10	<0.1	1030	<1	<10	37	156	31
*Rep 3521	7	151	<10	<0.1	1080	<1	<10	8	307	25
*Std MMISRM16	22	52	20	31.2	60	<1	230	4	16	68
*Std AMISO169	9	77	20	0.6	650	<1	40	2	821	135
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3451	<100	7.3	190	51	26.1	14.6	38	10	60	<1
3452	<100	5.9	290	71	36.3	20.6	35	7	87	<1
3453	200	2.9	470	88	41.3	23.9	168	34	96	<1
3454	<100	<0.5	880	11	6.0	3.2	17	<1	14	<1
3455	<100	<0.5	1000	7	4.3	1.4	5	<1	8	<1
3456	200	0.7	3260	27	16.7	7.6	25	4	34	<1
3457	200	0.6	1260	75	52.6	16.3	45	6	79	<1
3458	<100	<0.5	380	15	9.5	3.8	8	<1	17	<1
3459	<100	<0.5	7000	10	6.7	1.8	15	1	10	<1
3460	<100	0.5	2150	19	10.5	5.6	14	2	25	<1
3461	<100	<0.5	5530	12	7.8	2.8	8	1	15	<1
3462	100	4.3	270	5	3.7	1.2	135	11	4	<1
3463	300	2.0	130	4	2.3	1.7	203	64	5	<1
3464	100	4.8	120	11	8.9	2.9	135	22	11	<1
3465	200	5.5	210	43	19.6	15.1	111	18	59	<1
3466	200	7.6	300	12	5.6	3.4	102	11	12	<1
3467	<100	2.1	470	62	29.2	19.3	66	11	79	<1
3468	100	1.6	470	62	30.3	21.6	32	7	85	<1
3469	<100	3.0	670	58	38.0	6.2	116	11	29	<1
3470	<100	2.7	1070	14	5.7	7.4	20	4	24	<1
3471	300	7.7	50	12	6.1	3.9	62	42	13	<1
3472	200	5.2	130	15	8.0	4.7	90	20	15	<1
3473	<100	3.4	210	5	2.3	2.3	6	<1	9	1
3474	200	8.2	230	8	4.1	2.5	163	28	8	<1
3475	200	3.0	80	3	1.7	0.9	273	40	3	<1
3476	200	4.9	70	3	1.4	1.3	217	35	4	<1
3477	100	1.4	3990	19	13.5	5.3	150	3	22	<1
3478	<100	<0.5	1470	14	9.9	2.7	4	<1	16	2
3479	<100	<0.5	1180	6	4.4	1.4	6	<1	7	2
3480	200	0.5	2090	42	29.2	8.8	26	3	43	<1
3481	<100	1.7	3210	3	3.1	0.8	220	<1	3	<1
3482	100	0.6	5520	46	32.7	10.5	51	4	51	<1
3483	<100	<0.5	2240	11	8.3	2.1	2	<1	12	<1
3484	<100	0.5	9160	22	14.0	5.5	18	2	27	<1
3485	100	0.8	9610	48	31.4	12.6	54	6	58	<1
3486	200	4.1	160	13	5.3	5.2	56	19	19	<1
3487	<100	2.4	260	20	8.3	9.7	19	5	35	<1
3488	<100	<0.5	830	23	13.7	6.0	11	1	29	2
3489	<100	<0.5	750	8	4.8	2.0	4	<1	10	1
3490	<100	2.1	2420	44	20.9	18.7	115	9	69	<1
3491	<100	<0.5	1170	25	15.5	6.6	14	2	32	2
3492	<100	3.1	370	88	40.2	20.7	127	16	90	<1
3493	<100	3.2	520	136	66.2	34.0	100	27	145	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3494	300	6.7	170	30	14.6	10.6	123	64	38	<1
3495	100	<0.5	1140	158	104	30.0	63	8	149	<1
3496	<100	4.3	750	83	46.0	15.3	44	10	71	<1
3497	100	4.2	400	63	25.1	18.9	49	15	72	<1
3498	100	2.6	530	51	26.6	11.0	172	25	48	<1
3499	<100	5.2	620	151	71.2	35.6	80	22	154	<1
3500	200	4.1	190	14	8.9	3.0	224	55	11	<1
3501	100	4.7	170	15	9.6	3.1	161	29	13	<1
3502	200	2.1	200	9	5.7	1.9	236	29	7	1
3503	<100	5.2	140	24	14.2	5.7	16	6	23	<1
3504	<100	3.3	100	16	10.1	4.0	94	34	14	<1
3505	<100	6.8	190	51	28.6	9.9	55	10	44	<1
3506	100	6.0	170	22	12.2	4.8	103	19	18	<1
3507	200	2.0	230	6	3.4	1.3	229	43	5	<1
3508	200	5.2	100	16	10.0	4.1	186	67	15	<1
3509	<100	1.4	580	74	70.1	6.4	160	8	32	<1
3510	<100	6.2	210	31	17.0	5.2	74	13	23	<1
3511	100	6.7	200	46	24.0	10.4	85	19	44	<1
3512	100	2.1	350	70	34.9	17.3	87	15	71	<1
3513	<100	<0.5	1460	12	7.5	2.7	6	<1	14	2
3514	100	4.2	360	9	5.4	1.7	123	21	6	<1
3515	<100	4.7	90	15	9.1	3.5	68	27	11	<1
3516	200	4.7	150	6	2.9	2.1	181	128	6	<1
3517	100	5.6	80	10	5.5	3.6	81	47	10	<1
3518	<100	6.2	280	25	13.6	8.8	40	13	31	1
3519	<100	7.5	130	36	17.0	14.8	12	10	50	<1
3520	<100	5.2	350	70	34.8	15.6	43	10	69	<1
3521	<100	5.9	180	39	19.5	10.9	34	11	41	<1
3522	<100	3.0	470	167	83.6	54.5	31	16	215	<1
3523	<100	1.0	1260	314	186	90.1	7	15	414	3
3524	100	10.5	300	15	8.1	4.8	233	8	16	<1
3525	200	7.0	250	17	9.4	6.1	79	13	21	<1
*Rep 3461	<100	<0.5	5580	13	8.2	2.9	8	1	16	<1
*Rep 3473	<100	3.7	200	6	2.4	2.7	8	<1	10	1
*Rep 3479	<100	<0.5	1260	7	4.7	1.6	9	<1	8	1
*Rep 3500	200	4.2	190	17	10.3	3.1	211	53	12	<1
*Rep 3506	100	5.8	160	18	10.8	4.1	117	23	16	<1
*Rep 3521	<100	5.7	160	39	20.4	11.8	21	8	44	<1
*Std MMISRM16	<100	12.6	740	2	1.0	1.0	1	<1	4	16
*Std AMISO169	100	7.9	4390	32	14.3	12.2	51	16	49	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	3	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3451	<0.5	18.3	95	<5	<1	250	<5	4.8	240	42
3452	<0.5	27.8	155	<5	6	1600	<5	5.5	325	32
3453	<0.5	16.3	462	6	14	3250	<5	22.9	550	95
3454	<0.5	16.4	34	<5	85	5290	<5	0.9	61	144
3455	<0.5	20.6	7	36	73	17500	<5	<0.5	18	51
3456	<0.5	18.7	161	14	117	4830	<5	3.3	205	273
3457	<0.5	16.6	349	12	119	4280	<5	1.5	390	428
3458	<0.5	12.8	39	<5	156	1350	<5	<0.5	66	99
3459	<0.5	27.8	10	37	112	4520	31	0.7	22	136
3460	<0.5	25.7	93	19	109	780	6	1.8	132	348
3461	<0.5	23.8	17	31	128	3250	17	0.7	38	118
3462	<0.5	14.0	30	<5	4	210	<5	6.5	19	73
3463	<0.5	10.6	43	<5	2	160	<5	21.0	28	48
3464	<0.5	14.8	81	<5	3	50	<5	9.3	68	132
3465	<0.5	13.0	402	<5	16	1120	<5	9.0	372	82
3466	<0.5	14.5	60	<5	1	270	<5	10.4	60	64
3467	<0.5	16.2	388	8	39	2890	<5	7.9	454	188
3468	<0.5	20.2	399	<5	52	2850	<5	3.4	482	150
3469	<0.5	32.4	62	16	69	790	<5	3.4	104	186
3470	<0.5	6.4	194	<5	15	2040	10	1.7	199	57
3471	<0.5	4.8	77	<5	<1	60	<5	20.2	72	50
3472	<0.5	11.2	59	<5	<1	210	<5	6.5	70	73
3473	<0.5	13.6	24	<5	93	190	<5	<0.5	39	37
3474	<0.5	23.5	40	<5	2	1510	<5	12.4	41	69
3475	<0.5	16.7	24	10	5	220	<5	17.1	18	61
3476	<0.5	5.6	28	<5	<1	50	<5	12.4	23	57
3477	<0.5	32.3	125	18	78	19100	50	7.8	150	251
3478	<0.5	28.0	13	34	157	5860	<5	<0.5	32	131
3479	<0.5	26.6	11	28	112	23700	<5	<0.5	23	120
3480	<0.5	28.7	169	<5	137	2440	<5	1.6	207	228
3481	<0.5	32.4	17	6	76	3910	8	2.7	19	173
3482	<0.5	34.8	298	41	115	5540	11	3.4	301	432
3483	<0.5	32.4	9	80	176	2090	11	<0.5	24	97
3484	<0.5	39.9	48	35	118	5110	92	1.5	108	229
3485	<0.5	39.3	271	26	84	4540	42	3.6	348	706
3486	<0.5	3.5	153	<5	7	170	<5	12.2	133	53
3487	<0.5	6.6	269	<5	46	290	<5	3.3	264	30
3488	<0.5	20.0	59	<5	124	480	<5	0.6	113	61
3489	<0.5	22.9	7	35	143	3280	<5	<0.5	21	92
3490	<0.5	11.6	594	<5	59	4720	6	9.3	570	101
3491	<0.5	19.8	107	<5	157	590	<5	0.7	144	87
3492	<0.5	10.0	338	7	21	1610	<5	6.3	454	136
3493	<0.5	18.6	425	5	21	1220	<5	14.5	755	120

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3494	<0.5	7.8	232	<5	1	640	<5	17.2	227	39
3495	<0.5	21.2	399	<5	108	3430	<5	1.0	574	370
3496	<0.5	24.8	126	<5	47	790	<5	5.9	251	62
3497	<0.5	14.2	174	<5	1	510	<5	11.3	301	47
3498	<0.5	20.4	138	7	30	1470	<5	19.0	216	77
3499	<0.5	20.6	350	8	19	1090	<5	15.0	754	99
3500	<0.5	27.1	50	10	8	8210	<5	25.6	47	136
3501	<0.5	17.5	50	8	4	8130	<5	14.2	52	183
3502	<0.5	38.2	31	5	5	1770	<5	15.9	30	90
3503	<0.5	17.0	38	<5	<1	140	<5	1.0	91	23
3504	<0.5	17.1	63	<5	2	530	<5	9.0	64	56
3505	<0.5	25.2	95	<5	1	200	<5	10.4	160	39
3506	<0.5	22.4	57	<5	2	430	<5	11.1	74	53
3507	<0.5	13.4	32	14	6	540	<5	23.0	23	105
3508	<0.5	12.8	63	6	2	490	<5	20.5	67	45
3509	<0.5	26.0	82	<5	41	5640	<5	4.4	122	176
3510	<0.5	24.8	52	<5	2	1100	<5	10.4	80	64
3511	<0.5	17.6	104	<5	2	340	<5	11.1	179	42
3512	<0.5	22.2	222	<5	20	4390	<5	9.8	337	110
3513	<0.5	16.7	13	8	109	7820	<5	<0.5	33	93
3514	<0.5	15.6	23	6	3	1940	<5	15.4	26	57
3515	<0.5	15.7	30	<5	1	700	<5	6.6	41	29
3516	<0.5	14.1	33	9	5	340	<5	48.4	30	38
3517	<0.5	19.7	49	6	2	390	<5	13.0	51	39
3518	<0.5	10.5	75	<5	<1	630	<5	3.8	141	45
3519	<0.5	10.5	136	<5	<1	460	<5	<0.5	257	26
3520	<0.5	20.4	129	<5	5	620	<5	9.4	238	38
3521	<0.5	15.5	96	<5	<1	910	<5	5.2	178	27
3522	<0.5	17.7	803	<5	15	1150	<5	8.9	1250	26
3523	<0.5	28.8	1260	<5	70	1180	<5	<0.5	1870	66
3524	<0.5	10.9	81	<5	<1	1480	<5	8.3	84	31
3525	<0.5	6.4	86	<5	<1	60	<5	3.6	98	23
*Rep 3461	<0.5	25.2	17	33	118	2770	13	0.8	38	105
*Rep 3473	<0.5	10.9	38	<5	74	120	<5	0.5	56	37
*Rep 3479	<0.5	26.6	14	27	110	24700	6	<0.5	29	122
*Rep 3500	<0.5	26.4	49	9	8	7030	<5	24.6	50	128
*Rep 3506	<0.5	22.4	59	<5	2	350	<5	10.6	68	57
*Rep 3521	<0.5	15.5	89	<5	<1	640	<5	2.6	208	24
*Std MMISRM16	<0.5	41.2	3	<5	34	100	55	<0.5	13	261
*Std AMISO169	<0.5	44.5	412	<5	36	4310	<5	4.7	383	535
*Blk BLANK	<0.5	<0.1	<1	<5	<1	10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3451	0.6	290	<1	44	<1	316	<1	61	61	<1
3452	0.6	300	<1	61	<1	308	<1	61	82	<1
3453	3.5	290	<1	131	<1	208	<1	88	106	2
3454	0.3	40	<1	13	<1	42	<1	10	13	<1
3455	<0.1	40	<1	3	<1	17	<1	<5	5	<1
3456	0.2	120	<1	49	<1	93	<1	25	36	<1
3457	0.2	170	<1	95	<1	103	<1	61	75	<1
3458	<0.1	60	<1	15	<1	101	<1	13	15	<1
3459	0.1	1080	<1	4	<1	53	3	6	6	<1
3460	0.2	180	<1	31	<1	51	<1	10	26	<1
3461	0.1	390	<1	7	<1	48	2	6	11	<1
3462	1.4	250	<1	5	<1	262	<1	24	4	<1
3463	9.3	270	<1	8	<1	89	<1	29	6	5
3464	2.5	100	<1	18	<1	234	<1	34	12	1
3465	1.7	200	<1	98	<1	196	<1	53	69	<1
3466	3.2	270	<1	15	<1	293	1	42	13	1
3467	1.7	280	<1	112	<1	208	<1	54	89	<1
3468	0.8	160	<1	116	<1	225	<1	61	95	<1
3469	0.7	360	<1	23	<1	203	<1	71	24	<1
3470	0.5	200	<1	50	<1	50	<1	11	32	<1
3471	10.4	200	<1	19	<1	71	<1	36	15	2
3472	3.6	240	<1	17	<1	60	<1	57	17	<1
3473	0.1	20	<1	8	<1	210	<1	5	9	<1
3474	3.7	830	<1	11	<1	177	<1	41	9	2
3475	7.3	60	<1	5	<1	179	<1	26	3	2
3476	3.7	60	<1	6	<1	63	<1	19	4	1
3477	0.5	320	<1	37	<1	61	<1	47	26	<1
3478	<0.1	80	<1	5	<1	24	<1	6	10	<1
3479	<0.1	50	<1	5	<1	15	<1	5	5	<1
3480	0.2	150	<1	48	<1	69	<1	37	41	<1
3481	0.3	20	<1	5	<1	78	<1	19	3	<1
3482	0.2	660	<1	76	<1	69	<1	38	52	<1
3483	<0.1	80	<1	4	<1	24	<1	7	7	<1
3484	0.2	700	<1	22	<1	81	4	11	25	<1
3485	0.2	1130	<1	83	<1	148	2	31	63	<1
3486	9.1	80	<1	35	<1	54	<1	27	23	3
3487	0.9	30	<1	67	<1	102	<1	21	45	<1
3488	0.1	40	<1	24	<1	88	<1	19	26	<1
3489	<0.1	70	<1	4	<1	23	<1	<5	7	<1
3490	0.8	170	<1	148	<1	119	<1	35	88	<1
3491	0.1	50	<1	32	<1	71	<1	19	29	<1
3492	1.1	270	<1	108	<1	191	<1	45	90	<1
3493	2.4	440	<1	166	<1	211	<1	106	152	1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3494	5.9	130	<1	57	<1	114	<1	70	43	3
3495	0.2	350	<1	127	<1	129	<1	107	128	<1
3496	0.8	490	<1	50	<1	269	<1	120	60	<1
3497	4.0	350	<1	64	<1	200	<1	115	77	<1
3498	2.7	520	<1	48	<1	266	<1	90	49	2
3499	1.6	710	<1	161	<1	315	<1	143	160	<1
3500	5.9	340	<1	12	<1	291	<1	46	10	3
3501	4.6	350	<1	13	<1	237	<1	43	11	2
3502	7.0	140	<1	7	<1	136	<1	31	7	2
3503	0.3	460	<1	17	<1	241	<1	40	21	<1
3504	2.9	260	<1	16	<1	190	<1	38	14	1
3505	1.6	350	<1	33	<1	307	<1	73	37	<1
3506	2.0	400	<1	17	<1	258	<1	49	18	1
3507	6.6	90	<1	6	<1	123	<1	33	5	4
3508	5.1	260	<1	16	<1	205	<1	52	15	3
3509	1.0	460	<1	28	<1	117	<1	65	26	<1
3510	1.5	370	<1	18	<1	382	<1	57	20	<1
3511	1.9	350	<1	37	<1	260	<1	61	40	1
3512	2.9	420	<1	76	<1	182	<1	77	74	<1
3513	0.1	50	<1	6	<1	39	<1	8	9	<1
3514	2.9	510	<1	6	<1	198	<1	39	6	2
3515	1.0	470	<1	9	<1	210	<1	41	11	<1
3516	9.1	300	<1	7	<1	116	1	22	7	10
3517	1.2	390	<1	13	<1	207	<1	39	11	4
3518	0.6	770	<1	29	<1	159	<1	46	32	<1
3519	0.3	380	<1	56	<1	211	<1	51	56	<1
3520	1.6	440	<1	46	<1	300	<1	82	61	<1
3521	0.8	380	<1	37	<1	250	<1	61	42	<1
3522	1.2	360	<1	276	<1	242	<1	200	251	<1
3523	0.3	180	<1	399	<1	275	<1	163	390	<1
3524	1.8	180	<1	21	<1	225	<1	48	18	<1
3525	1.4	260	<1	24	<1	62	<1	53	22	<1
*Rep 3461	0.2	580	<1	7	<1	51	3	6	11	<1
*Rep 3473	0.1	20	<1	12	<1	178	<1	5	11	<1
*Rep 3479	<0.1	40	<1	6	<1	16	<1	6	6	<1
*Rep 3500	5.4	400	<1	12	<1	289	<1	47	11	3
*Rep 3506	2.5	360	<1	16	<1	267	<1	45	15	1
*Rep 3521	0.4	370	<1	41	<1	249	<1	58	47	<1
*Std MMISRM16	0.3	90	30	2	<1	337	<1	9	4	<1
*Std AMISO169	3.3	130	<1	100	<1	239	1	66	63	1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3451	50	<1	9	<10	19.0	1210	0.7	8	<1	290
3452	210	<1	13	<10	37.1	1360	0.7	10	<1	422
3453	170	2	16	<10	127	4310	0.8	13	2	413
3454	520	<1	2	<10	22.8	20	<0.5	16	<1	55
3455	770	<1	1	<10	7.9	10	<0.5	6	<1	37
3456	1490	<1	5	<10	123	169	<0.5	40	<1	139
3457	1220	<1	13	<10	93.4	79	<0.5	81	<1	402
3458	970	<1	3	<10	31.4	16	<0.5	13	<1	70
3459	1870	<1	1	<10	14.0	68	<0.5	22	2	54
3460	850	<1	4	<10	44.4	15	<0.5	76	<1	95
3461	720	<1	2	<10	21.3	90	<0.5	38	<1	63
3462	70	<1	<1	<10	30.0	1500	0.8	4	<1	24
3463	60	1	<1	<10	37.1	4930	0.7	5	1	20
3464	70	<1	2	<10	35.3	2410	0.9	5	<1	73
3465	260	<1	9	<10	77.9	1170	0.6	13	<1	209
3466	30	<1	2	<10	51.5	1960	0.9	7	<1	41
3467	360	<1	12	<10	109	1290	<0.5	16	<1	304
3468	470	<1	13	<10	66.7	583	<0.5	15	<1	310
3469	670	<1	7	<10	72.2	589	0.7	7	<1	326
3470	220	<1	3	<10	25.3	80	<0.5	20	<1	68
3471	30	1	2	<10	43.5	2770	<0.5	8	<1	50
3472	50	<1	3	<10	48.7	1180	<0.5	11	<1	61
3473	530	<1	1	<10	6.0	3	<0.5	9	<1	27
3474	40	<1	1	<10	82.3	1980	0.5	9	<1	31
3475	120	<1	<1	<10	33.9	3440	0.5	4	<1	13
3476	70	<1	<1	<10	29.1	2070	<0.5	4	<1	11
3477	1060	<1	4	<10	61.5	250	<0.5	174	2	114
3478	1650	<1	2	<10	13.7	10	<0.5	7	<1	79
3479	1150	<1	1	<10	15.6	16	<0.5	9	<1	32
3480	1430	<1	7	<10	66.9	43	<0.5	45	<1	223
3481	930	<1	<1	<10	20.0	208	<0.5	66	<1	18
3482	3130	<1	8	<10	93.6	84	<0.5	132	<1	269
3483	4060	<1	2	<10	10.0	<3	<0.5	33	<1	62
3484	2600	<1	4	<10	47.3	102	<0.5	156	1	111
3485	2840	<1	9	<10	137	162	<0.5	167	1	251
3486	110	1	3	<10	48.6	1940	<0.5	12	<1	60
3487	250	<1	5	<10	50.8	421	1.2	6	<1	102
3488	1030	<1	4	<10	50.6	9	<0.5	20	<1	99
3489	600	<1	1	<10	9.2	13	<0.5	24	<1	47
3490	360	<1	10	<10	77.3	966	0.8	15	2	240
3491	1330	<1	5	<10	39.0	18	<0.5	22	<1	138
3492	200	<1	16	<10	62.5	1010	0.7	13	<1	489
3493	250	<1	25	<10	103	3400	0.6	15	2	725

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3494	20	2	6	<10	62.0	3960	<0.5	10	1	149
3495	1020	<1	25	<10	98.5	101	<0.5	35	<1	919
3496	730	<1	13	<10	43.7	1510	0.6	12	<1	419
3497	30	<1	12	<10	166	2250	0.9	18	1	226
3498	370	1	9	<10	93.3	4480	0.8	12	2	241
3499	310	<1	27	<10	94.6	3910	1.0	17	2	721
3500	90	2	2	<10	31.9	7400	<0.5	6	2	77
3501	110	<1	2	<10	48.7	3740	<0.5	10	1	83
3502	70	<1	1	<10	21.5	3570	<0.5	4	<1	39
3503	<10	<1	4	<10	9.7	225	<0.5	5	<1	138
3504	50	<1	2	<10	14.8	2370	<0.5	4	1	86
3505	20	<1	8	<10	26.8	3130	0.7	8	1	292
3506	20	<1	3	<10	25.4	2750	0.5	6	<1	104
3507	60	2	<1	<10	23.0	6290	<0.5	5	1	23
3508	30	1	3	<10	25.4	6410	0.5	6	1	79
3509	400	<1	8	<10	47.8	753	<0.5	10	<1	465
3510	40	<1	5	<10	32.7	2800	0.5	7	<1	156
3511	20	<1	8	<10	32.8	3280	0.7	9	<1	251
3512	190	<1	12	<10	118	1920	0.6	14	1	326
3513	890	<1	2	<10	13.2	43	<0.5	6	<1	62
3514	30	<1	1	<10	61.9	3950	0.6	8	1	36
3515	20	<1	2	<10	20.7	1960	<0.5	5	<1	73
3516	80	4	1	<10	38.3	17400	0.6	8	1	24
3517	30	<1	2	<10	40.9	4160	0.8	5	<1	46
3518	10	<1	5	<10	27.9	981	<0.5	7	<1	139
3519	10	<1	7	<10	13.4	103	<0.5	8	<1	172
3520	120	<1	12	<10	37.7	2780	0.7	10	1	351
3521	<10	<1	7	<10	32.5	1400	0.7	7	<1	185
3522	210	<1	33	<10	85.8	2160	0.8	20	1	742
3523	1450	<1	59	<10	41.1	28	0.7	23	1	1460
3524	20	<1	3	<10	47.1	1800	0.7	8	<1	60
3525	<10	<1	3	<10	52.8	605	<0.5	9	<1	74
*Rep 3461	730	<1	2	<10	19.5	97	<0.5	34	1	65
*Rep 3473	380	<1	1	<10	8.7	39	<0.5	9	<1	28
*Rep 3479	1160	<1	1	<10	18.9	16	<0.5	10	<1	39
*Rep 3500	90	2	2	<10	30.1	7030	<0.5	6	2	92
*Rep 3506	20	<1	3	<10	26.4	2770	0.5	6	<1	91
*Rep 3521	<10	<1	7	<10	26.2	723	0.6	7	<1	183
*Std MMISRM16	470	<1	<1	<10	20.8	<3	<0.5	52	<1	10
*Std AMISO169	70	<1	7	<10	91.1	772	1.3	29	2	131
*Bik BLANK	<10	<1	<1	<10	<0.5	40	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3451	19	90	40
3452	26	70	62
3453	31	620	214
3454	5	120	20
3455	4	140	13
3456	15	350	83
3457	46	950	91
3458	8	30	18
3459	6	40	24
3460	9	190	17
3461	7	30	29
3462	3	270	57
3463	2	200	72
3464	9	50	68
3465	15	200	76
3466	4	170	84
3467	22	580	118
3468	23	710	75
3469	30	1180	85
3470	4	30	16
3471	5	100	55
3472	7	110	58
3473	2	<20	6
3474	4	320	87
3475	2	60	34
3476	1	110	42
3477	12	130	97
3478	9	240	12
3479	4	130	14
3480	25	490	57
3481	3	20	34
3482	29	580	96
3483	8	330	8
3484	13	40	62
3485	28	240	110
3486	4	40	71
3487	7	<20	55
3488	11	120	28
3489	4	180	6
3490	18	50	98
3491	13	60	22
3492	27	610	77
3493	51	450	159

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3494	11	60	115
3495	86	1260	106
3496	36	160	97
3497	19	70	207
3498	21	270	207
3499	52	270	160
3500	7	520	81
3501	8	420	104
3502	5	600	64
3503	11	60	19
3504	8	100	42
3505	20	40	67
3506	10	260	63
3507	3	510	82
3508	8	270	92
3509	58	770	66
3510	13	1040	71
3511	17	400	83
3512	27	2230	149
3513	6	150	17
3514	4	600	119
3515	7	150	36
3516	2	390	83
3517	5	140	81
3518	11	120	29
3519	13	40	16
3520	24	50	82
3521	15	100	59
3522	66	150	157
3523	147	70	55
3524	7	110	82
3525	7	130	75
*Rep 3461	8	30	31
*Rep 3473	2	<20	8
*Rep 3479	4	130	16
*Rep 3500	8	480	78
*Rep 3506	9	240	62
*Rep 3521	15	60	42
*Std MMISRM16	<1	230	18
*Std AMIS0169	11	260	60
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111212

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 17, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3826	14	37	<10	0.4	3480	<1	440	6	1490	109
3827	17	232	10	0.3	3320	9	300	14	938	65
3828	3	279	20	0.1	480	1	<10	14	66	22
3829	9	226	<10	0.1	720	<1	<10	11	123	20
3830	1	>300	<10	<0.1	190	<1	<10	2	106	13
3831	1	>300	<10	<0.1	880	<1	<10	<1	413	18
3832	12	139	<10	0.3	2440	<1	400	16	1150	168
3833	3	175	<10	0.1	380	<1	300	10	243	23
3834	4	93	<10	0.2	750	<1	430	6	242	97
3835	1	43	20	0.2	3290	<1	490	3	114	167
3836	12	56	20	0.3	2630	<1	420	8	1460	225
3837	7	33	20	0.2	1620	<1	490	6	949	80
3838	12	91	10	0.2	2350	<1	530	23	504	98
3839	19	82	10	0.2	1990	<1	470	15	552	95
3840	4	15	<10	0.4	900	<1	280	2	10	11
3841	2	47	30	0.2	710	<1	400	2	208	25
3842	<1	44	20	0.2	1570	<1	490	4	354	160
3843	10	160	20	0.2	3040	4	360	11	1740	41
3844	8	271	<10	<0.1	1070	7	290	21	450	43
3845	20	80	20	0.4	4370	2	420	6	1060	72
3846	<1	>300	20	0.1	560	<1	10	<1	124	18
3847	<1	>300	<10	<0.1	370	<1	<10	<1	80	16
3848	2	>300	<10	0.1	1320	<1	20	4	212	89
3849	2	279	<10	<0.1	1360	<1	50	8	258	84
3850	6	>300	<10	0.2	2050	2	80	2	1190	44
3851	9	33	<10	0.4	1050	<1	510	6	28	41
3852	4	267	<10	<0.1	730	<1	80	11	94	59
3853	<1	226	<10	0.1	290	<1	50	<1	43	25
3854	1	>300	<10	<0.1	670	<1	<10	3	101	44
3855	<1	154	<10	0.1	340	<1	60	<1	51	41
3856	<1	>300	<10	0.1	570	1	<10	2	235	22
3857	<1	275	<10	0.2	1270	<1	<10	2	1570	24
3858	15	33	<10	0.3	2280	<1	420	7	225	78
3859	10	32	20	0.3	3000	<1	420	4	550	81
3860	6	19	20	0.4	1520	<1	300	2	230	68
3861	14	51	20	0.3	2220	<1	410	4	525	58
3862	15	47	<10	0.2	2530	<1	540	7	377	67
3863	20	124	<10	0.2	2500	<1	490	13	560	128
3864	4	121	<10	0.3	1000	<1	510	9	173	112
3865	15	21	<10	0.2	1860	<1	570	7	45	220
3866	8	122	<10	0.2	1370	<1	490	15	388	29
3867	11	16	<10	0.3	980	<1	400	5	20	58
3868	11	75	<10	0.2	2680	<1	650	25	771	85

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3869	7	92	10	0.2	1270	<1	320	7	859	383
3870	6	25	30	0.3	1430	<1	370	4	1010	120
3871	4	156	<10	0.1	900	<1	280	7	33	131
3872	6	111	<10	0.2	1160	<1	420	8	760	38
3873	7	112	<10	0.2	1580	<1	450	2	402	26
3874	13	18	<10	0.3	1620	<1	380	4	35	329
3875	3	284	<10	0.2	2000	<1	160	62	346	157
3876	2	236	10	0.2	1510	<1	140	64	408	353
3877	4	81	<10	0.2	1000	<1	620	14	199	186
3878	15	43	<10	0.3	2980	<1	490	12	343	88
3879	6	76	<10	0.2	720	<1	450	13	358	209
3880	2	223	<10	<0.1	340	<1	240	19	162	51
3881	4	153	<10	0.1	1030	<1	420	32	73	67
3882	12	54	<10	0.2	820	<1	610	18	109	33
3883	6	17	<10	0.2	840	<1	360	5	152	188
3884	12	16	<10	0.3	1370	<1	400	6	35	123
3885	15	35	<10	0.3	1210	<1	510	22	61	90
3886	4	152	20	0.2	1560	<1	310	4	1150	33
3887	3	170	<10	0.4	1680	<1	420	4	344	19
3888	1	>300	20	0.1	1460	<1	20	3	2330	43
3889	2	>300	<10	0.2	2170	<1	100	5	434	84
3890	5	235	20	0.2	800	<1	100	11	1510	140
3891	3	295	10	0.2	1500	<1	130	22	547	145
3892	3	89	10	0.4	1450	<1	550	10	520	126
3893	13	78	<10	0.3	2160	<1	590	6	384	94
3894	8	265	<10	0.2	1500	<1	210	7	540	48
3895	4	216	<10	0.1	1540	<1	310	32	75	61
3896	11	25	<10	0.4	1030	<1	400	3	52	43
3897	3	>300	20	0.2	1080	<1	70	14	1040	100
3898	10	68	<10	0.3	1390	<1	400	6	334	31
3899	2	>300	20	0.2	2560	<1	<10	8	538	76
3900	2	237	10	0.2	2950	<1	150	3	1370	43
*Rep 3833	3	184	<10	0.1	390	<1	330	10	271	21
*Rep 3844	10	226	<10	0.2	1880	5	380	24	569	47
*Rep 3853	<1	199	<10	<0.1	330	<1	60	<1	58	39
*Rep 3870	6	25	20	0.2	1490	<1	390	3	991	124
*Rep 3885	23	31	<10	0.2	1190	<1	520	33	49	99
*Rep 3893	5	250	<10	0.1	1460	<1	160	19	122	99
*Std MMISRM16	21	50	20	30.3	60	<1	230	4	15	65
*Std AMIS0169	10	86	20	0.9	730	<1	40	2	879	148
*Bik BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3826	100	1.2	6480	49	26.3	17.4	70	10	70	<1
3827	200	9.7	5360	53	31.5	14.3	87	13	57	<1
3828	<100	3.3	130	15	7.8	3.9	92	29	14	<1
3829	<100	4.9	150	32	15.7	8.5	54	12	31	<1
3830	200	5.8	30	14	7.7	4.1	41	30	13	<1
3831	200	8.9	70	30	13.7	9.9	122	20	34	<1
3832	200	1.6	3010	100	69.8	22.8	137	10	100	<1
3833	<100	4.0	180	17	7.8	5.6	44	7	20	<1
3834	<100	1.9	540	13	6.8	4.7	33	2	19	<1
3835	<100	1.0	4740	10	6.5	3.1	133	2	12	<1
3836	100	0.9	6260	57	33.2	18.5	167	10	76	<1
3837	<100	0.6	4460	37	19.8	13.0	112	7	53	<1
3838	<100	3.3	10800	29	18.1	8.2	58	7	36	<1
3839	<100	1.3	5020	27	17.8	7.2	166	5	32	<1
3840	<100	<0.5	500	4	2.4	1.4	3	<1	7	<1
3841	<100	<0.5	2470	10	5.0	3.8	43	2	15	<1
3842	<100	<0.5	2770	15	9.0	5.3	137	3	21	<1
3843	300	4.7	3710	77	40.6	23.5	48	14	95	<1
3844	200	10.6	2830	33	18.7	8.6	82	12	35	<1
3845	200	4.5	7160	37	17.9	14.5	58	12	55	<1
3846	300	10.9	180	4	2.2	1.3	268	40	5	<1
3847	200	12.9	80	6	4.4	1.4	64	50	5	<1
3848	100	7.4	240	25	17.8	4.2	105	34	17	<1
3849	<100	5.0	550	35	23.1	5.1	136	14	22	<1
3850	500	13.7	1430	129	68.1	28.7	83	29	124	<1
3851	<100	0.7	1220	19	12.1	4.0	7	<1	21	<1
3852	<100	3.9	300	50	29.6	5.5	111	14	27	<1
3853	<100	2.8	550	3	2.9	0.7	201	8	2	<1
3854	100	5.3	280	6	3.5	1.6	141	14	6	<1
3855	<100	9.2	670	3	2.2	0.8	374	5	3	<1
3856	200	7.3	150	20	9.2	7.0	132	87	24	<1
3857	200	7.5	270	70	28.2	28.7	83	21	99	<1
3858	<100	1.0	6640	22	13.3	6.3	49	4	29	<1
3859	<100	0.8	3340	24	12.5	8.6	32	4	37	<1
3860	<100	0.6	4830	18	10.7	5.8	57	2	25	<1
3861	<100	3.4	4790	23	11.4	8.7	37	4	34	<1
3862	<100	1.3	6280	15	8.5	5.7	55	4	23	<1
3863	<100	2.0	7360	35	25.1	7.8	97	5	36	<1
3864	<100	2.3	2620	17	11.2	3.8	51	3	16	<1
3865	<100	<0.5	2580	12	8.7	2.3	7	<1	13	<1
3866	100	0.9	1210	46	32.9	8.7	108	4	41	<1
3867	<100	<0.5	870	6	4.0	1.4	4	<1	7	<1
3868	200	0.7	4590	59	37.5	15.4	24	5	73	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3869	100	1.1	3190	34	18.9	11.1	243	6	44	<1
3870	100	0.9	2660	32	16.1	14.0	68	6	50	<1
3871	<100	3.0	1380	7	20.7	0.8	185	2	3	<1
3872	200	0.6	1320	76	46.9	19.4	44	6	87	<1
3873	100	<0.5	770	33	18.5	11.0	36	4	45	<1
3874	<100	<0.5	870	7	4.7	1.6	3	<1	9	<1
3875	<100	1.7	770	97	57.9	17.4	113	9	82	<1
3876	<100	3.1	740	42	21.8	10.4	161	12	44	<1
3877	<100	0.9	2210	12	7.3	3.8	39	2	16	<1
3878	<100	1.3	7790	27	16.1	8.7	48	4	38	<1
3879	<100	2.4	1530	14	7.1	5.0	57	3	20	<1
3880	<100	2.5	130	30	15.4	5.8	129	9	26	<1
3881	<100	2.5	330	40	26.2	7.1	31	3	32	<1
3882	<100	0.8	1290	13	6.3	4.2	10	1	19	<1
3883	<100	<0.5	1700	8	3.8	3.2	23	1	12	<1
3884	<100	<0.5	1330	14	8.1	2.9	3	<1	17	<1
3885	<100	<0.5	1460	19	9.7	5.3	10	1	25	<1
3886	200	1.1	620	77	36.0	31.8	85	14	123	<1
3887	200	0.6	1210	102	61.6	27.8	34	9	126	1
3888	200	6.7	280	123	51.7	55.4	117	41	195	<1
3889	100	4.0	320	44	20.0	12.3	115	15	49	<1
3890	200	3.6	920	135	68.4	41.1	279	21	167	<1
3891	<100	0.9	320	78	39.3	16.6	167	10	70	<1
3892	<100	0.7	3360	27	16.7	7.8	69	4	32	<1
3893	200	<0.5	1530	48	30.0	12.4	27	4	58	<1
3894	<100	2.9	770	158	93.0	21.8	224	13	112	<1
3895	<100	1.8	550	66	58.6	4.6	211	4	23	<1
3896	<100	<0.5	800	11	6.1	3.2	11	<1	14	<1
3897	200	3.5	670	80	35.9	25.3	156	29	103	<1
3898	<100	0.9	960	29	13.3	11.0	14	3	45	<1
3899	300	6.7	360	27	13.5	9.1	264	33	32	<1
3900	<100	3.8	600	183	94.7	49.5	65	18	211	<1
*Rep 3833	<100	4.0	200	18	8.2	5.9	40	7	22	<1
*Rep 3844	200	11.1	2920	31	16.5	9.3	69	9	35	<1
*Rep 3853	<100	3.5	880	4	3.2	0.8	255	7	3	<1
*Rep 3870	<100	0.7	1960	31	15.1	13.2	74	6	48	<1
*Rep 3885	<100	<0.5	1630	21	11.2	5.5	7	<1	27	<1
*Rep 3893	<100	2.3	570	68	55.3	5.3	219	10	27	<1
*Std MMISRM16	<100	12.3	750	2	0.9	1.0	2	<1	4	14
*Std AMISO169	100	8.5	4770	35	15.0	13.1	56	16	53	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3826	<0.5	12.6	657	13	112	1400	6	6.8	612	92
3827	<0.5	22.6	393	23	61	1640	15	21.6	369	129
3828	<0.5	15.8	28	<5	3	1220	<5	7.7	48	62
3829	<0.5	14.6	43	<5	1	320	<5	3.1	102	38
3830	<0.5	6.1	48	<5	1	70	<5	12.1	58	30
3831	<0.5	10.0	147	<5	1	120	<5	13.3	191	32
3832	<0.5	14.8	484	17	120	5170	<5	5.4	532	348
3833	<0.5	12.0	85	<5	34	2040	<5	4.6	107	117
3834	<0.5	20.9	84	<5	80	7690	<5	0.6	112	66
3835	<0.5	57.9	82	38	123	2100	26	2.6	90	434
3836	<0.5	27.3	578	12	83	10800	53	8.2	630	245
3837	<0.5	34.7	411	10	90	5100	16	7.4	450	211
3838	<0.5	30.1	259	29	74	3220	47	7.2	246	362
3839	<0.5	32.5	249	28	92	4590	23	5.2	246	221
3840	<0.5	21.1	6	26	91	650	<5	<0.5	17	38
3841	<0.5	24.1	80	<5	43	5480	41	6.6	108	97
3842	<0.5	39.2	149	12	98	1640	14	5.3	176	354
3843	<0.5	13.0	825	11	56	1110	13	25.4	673	85
3844	<0.5	13.7	194	14	54	2360	<5	15.4	198	119
3845	<0.5	17.5	475	20	94	1470	31	20.8	455	113
3846	<0.5	15.0	43	8	6	210	<5	21.9	32	161
3847	<0.5	10.0	37	7	3	40	<5	15.5	32	51
3848	<0.5	14.8	89	18	11	710	<5	9.8	92	158
3849	<0.5	17.7	112	9	27	1060	<5	8.0	109	120
3850	<0.5	11.1	460	19	24	2580	<5	38.1	638	136
3851	<0.5	23.8	20	<5	186	4370	<5	<0.5	47	78
3852	<0.5	14.1	32	<5	29	480	<5	2.5	72	161
3853	<0.5	4.8	20	<5	24	460	<5	4.8	16	47
3854	<0.5	16.6	48	7	6	180	<5	9.6	39	89
3855	<0.5	11.0	23	<5	21	420	<5	6.8	21	112
3856	<0.5	18.1	92	18	5	450	5	40.0	109	48
3857	<0.5	7.4	425	<5	1	1760	<5	12.2	608	22
3858	<0.5	31.7	72	26	62	4510	17	2.3	142	103
3859	<0.5	23.3	214	21	67	3110	37	1.7	249	131
3860	<0.5	21.0	84	9	37	4310	25	1.1	141	58
3861	<0.5	16.0	212	7	74	3060	15	5.1	234	119
3862	<0.5	27.9	192	22	38	2580	32	4.9	182	242
3863	<0.5	23.9	211	26	43	4400	12	5.0	212	230
3864	<0.5	22.6	69	<5	96	4610	<5	2.9	84	169
3865	<0.5	31.2	14	44	177	6280	<5	<0.5	33	58
3866	<0.5	19.5	178	<5	109	1150	<5	1.5	199	240
3867	<0.5	30.1	6	84	121	21600	16	<0.5	16	155
3868	<0.5	19.7	321	21	155	1200	<5	2.7	386	310

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3869	<0.5	23.5	301	<5	66	17100	6	10.5	328	178
3870	<0.5	15.7	391	<5	56	12500	6	8.6	395	121
3871	<0.5	20.1	15	<5	90	390	<5	1.4	18	187
3872	<0.5	19.1	393	6	126	1420	<5	1.7	464	315
3873	<0.5	17.6	262	10	121	290	<5	2.3	298	82
3874	<0.5	29.2	9	50	139	26500	8	<0.5	21	83
3875	<0.5	21.2	171	11	68	3670	<5	3.8	306	152
3876	<0.5	23.3	165	6	37	10300	<5	8.0	202	232
3877	<0.5	25.8	90	<5	112	15800	<5	1.7	105	150
3878	<0.5	31.0	134	16	115	2880	17	3.0	214	212
3879	<0.5	14.2	105	<5	65	14700	8	0.7	139	153
3880	<0.5	13.0	46	<5	60	740	<5	1.8	89	176
3881	<0.5	14.1	93	<5	109	1650	<5	<0.5	120	158
3882	<0.5	25.0	43	18	125	3240	<5	<0.5	79	286
3883	<0.5	20.2	44	<5	67	9310	11	<0.5	75	130
3884	<0.5	40.2	11	85	162	10700	8	<0.5	33	119
3885	<0.5	28.9	38	6	147	3180	16	<0.5	81	357
3886	<0.5	15.9	1110	<5	83	2400	<5	12.9	920	92
3887	<0.5	16.8	715	11	127	340	<5	4.5	693	88
3888	<0.5	9.8	1200	<5	3	2090	6	16.1	1340	38
3889	<0.5	22.7	187	<5	33	2140	<5	9.0	241	114
3890	<0.5	9.0	535	8	19	5590	<5	13.8	855	360
3891	<0.5	15.8	213	14	50	5720	<5	7.8	321	235
3892	<0.5	30.5	208	<5	127	5720	22	8.3	235	251
3893	<0.5	25.3	196	6	173	1440	<5	0.8	275	188
3894	<0.5	19.7	218	11	86	330	<5	4.0	398	329
3895	<0.5	28.3	29	5	130	370	<5	<0.5	64	395
3896	<0.5	23.0	26	<5	113	2890	<5	<0.5	45	84
3897	<0.5	18.9	458	6	13	2590	<5	14.6	579	144
3898	<0.5	15.3	163	<5	96	1330	<5	0.5	227	166
3899	<0.5	18.9	208	16	6	1140	<5	23.4	196	102
3900	<0.5	22.1	558	<5	40	1520	<5	10.3	913	48
*Rep 3833	<0.5	13.1	95	<5	35	1790	<5	4.1	119	115
*Rep 3844	<0.5	16.8	244	13	66	2260	<5	16.6	227	120
*Rep 3853	<0.5	7.5	27	<5	28	670	<5	6.4	23	87
*Rep 3870	<0.5	16.6	371	<5	65	15000	<5	6.2	379	90
*Rep 3885	<0.5	32.0	33	10	162	4170	16	<0.5	77	493
*Rep 3893	<0.5	26.7	51	13	81	490	<5	3.5	82	321
*Std MMISRM16	<0.5	44.5	3	<5	35	110	54	<0.5	12	254
*Std AMISO169	<0.5	51.9	436	<5	40	4770	<5	3.7	411	600
*Bik BLANK	<0.5	0.2	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	0.2	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3826	0.3	480	<1	161	<1	149	<1	32	90	<1
3827	1.3	1340	<1	102	<1	199	2	97	65	1
3828	2.1	710	<1	10	<1	155	<1	37	13	1
3829	0.8	360	<1	20	<1	183	<1	57	31	<1
3830	7.2	110	<1	13	<1	78	<1	39	13	<1
3831	5.6	120	<1	45	<1	171	<1	62	41	<1
3832	0.2	420	<1	134	<1	126	<1	111	101	<1
3833	1.0	60	<1	26	<1	126	<1	21	23	<1
3834	0.1	80	<1	26	<1	156	<1	13	20	<1
3835	0.2	60	<1	23	<1	128	<1	27	14	<1
3836	0.2	530	<1	165	<1	82	<1	87	100	<1
3837	0.3	330	<1	113	<1	35	<1	31	69	<1
3838	0.7	950	<1	62	<1	162	2	37	40	<1
3839	0.2	380	<1	64	<1	115	<1	59	39	<1
3840	<0.1	30	<1	3	<1	57	<1	<5	5	<1
3841	0.5	130	<1	25	<1	39	1	6	19	<1
3842	0.2	50	<1	44	<1	49	<1	36	28	<1
3843	1.5	570	<1	189	<1	134	2	97	113	1
3844	1.5	770	<1	51	<1	150	<1	78	38	1
3845	1.2	660	<1	123	<1	162	3	50	72	<1
3846	3.6	20	<1	9	<1	250	<1	34	6	1
3847	2.5	60	<1	8	<1	168	<1	39	6	2
3848	1.8	170	<1	23	<1	240	<1	49	18	<1
3849	1.1	290	<1	28	<1	181	<1	49	22	<1
3850	3.5	740	<1	150	<1	185	<1	191	128	<1
3851	<0.1	30	<1	9	<1	47	<1	15	13	<1
3852	1.0	280	<1	14	<1	187	<1	30	20	<1
3853	1.5	<10	<1	5	<1	85	<1	20	3	<1
3854	3.4	40	<1	11	<1	219	<1	23	8	<1
3855	1.9	<10	<1	6	<1	149	<1	20	4	<1
3856	1.8	190	<1	25	<1	309	<1	80	25	7
3857	1.7	140	<1	143	<1	142	<1	74	124	<1
3858	0.1	500	<1	30	<1	94	<1	14	28	<1
3859	0.2	320	<1	62	<1	107	<1	12	40	<1
3860	<0.1	390	<1	31	<1	91	<1	6	27	<1
3861	0.5	350	<1	60	<1	164	1	19	40	<1
3862	0.2	580	<1	48	<1	174	1	15	29	<1
3863	0.2	920	<1	56	<1	157	<1	48	38	<1
3864	0.1	290	<1	20	<1	138	<1	27	16	<1
3865	<0.1	120	<1	6	<1	13	<1	<5	9	<1
3866	0.2	160	<1	49	<1	83	<1	52	38	<1
3867	<0.1	30	<1	3	<1	11	<1	<5	4	<1
3868	<0.1	350	<1	93	<1	106	<1	28	72	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3869	0.7	200	<1	85	<1	91	<1	58	54	<1
3870	0.9	140	<1	102	<1	105	<1	23	63	<1
3871	0.4	100	<1	5	<1	73	<1	21	3	<1
3872	0.2	120	<1	110	<1	60	<1	51	88	<1
3873	0.3	60	<1	73	<1	62	<1	27	51	<1
3874	<0.1	100	<1	4	<1	24	<1	<5	6	<1
3875	0.9	680	<1	65	<1	239	<1	97	72	<1
3876	2.9	330	<1	50	<1	252	<1	51	44	<1
3877	<0.1	90	<1	26	<1	90	<1	15	18	<1
3878	0.1	800	<1	48	<1	142	2	15	40	<1
3879	0.1	50	<1	34	<1	144	<1	12	24	<1
3880	0.4	290	<1	18	<1	178	<1	32	22	<1
3881	<0.1	340	<1	27	<1	185	<1	28	26	<1
3882	<0.1	40	<1	16	<1	65	<1	8	18	<1
3883	0.1	40	<1	16	<1	21	<1	<5	14	<1
3884	<0.1	70	<1	5	<1	7	<1	<5	11	<1
3885	<0.1	40	<1	16	<1	41	<1	12	20	<1
3886	2.3	80	<1	245	<1	135	<1	90	148	<1
3887	1.0	100	<1	169	<1	48	<1	96	122	<1
3888	6.9	160	<1	331	<1	157	<1	119	238	1
3889	1.4	310	<1	56	<1	274	<1	47	51	<1
3890	5.0	370	<1	191	<1	115	<1	127	182	<1
3891	2.8	440	<1	74	<1	196	<1	70	69	<1
3892	0.3	800	<1	60	<1	69	<1	33	38	<1
3893	0.1	70	<1	63	<1	76	<1	29	53	<1
3894	0.6	330	<1	85	<1	172	<1	93	90	<1
3895	0.1	370	<1	13	<1	206	<1	50	17	<1
3896	<0.1	40	<1	9	<1	38	<1	11	11	<1
3897	5.4	370	<1	140	<1	250	<1	71	117	<1
3898	0.4	40	<1	51	<1	102	<1	20	46	<1
3899	4.3	280	<1	51	<1	257	<1	73	38	2
3900	1.0	440	<1	196	<1	335	<1	155	207	<1
*Rep 3833	1.1	60	<1	29	<1	128	<1	20	25	<1
*Rep 3844	1.1	980	<1	61	<1	171	<1	66	42	<1
*Rep 3853	1.6	<10	<1	6	<1	106	<1	24	4	<1
*Rep 3870	0.6	90	<1	96	<1	93	<1	21	60	<1
*Rep 3885	<0.1	40	<1	15	<1	31	<1	10	21	<1
*Rep 3893	0.9	370	<1	18	<1	164	<1	67	20	<1
*Std MMISRM16	0.2	80	29	2	<1	336	<1	6	4	<1
*Std AMIS0169	3.5	140	<1	108	<1	251	<1	73	70	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3826	820	<1	11	<10	228	420	0.8	16	3	267
3827	430	1	10	<10	200	2270	1.0	58	3	275
3828	40	<1	3	<10	25.6	1930	<0.5	6	<1	65
3829	20	<1	6	<10	21.4	788	0.5	8	<1	129
3830	20	1	2	<10	27.7	2300	<0.5	9	<1	70
3831	30	1	6	<10	78.9	1940	0.7	10	1	131
3832	730	<1	17	<10	157	367	0.8	25	1	588
3833	200	<1	3	<10	24.1	820	<0.5	7	<1	80
3834	660	<1	3	<10	26.0	28	<0.5	5	<1	72
3835	4300	<1	2	<10	16.1	161	<0.5	31	1	69
3836	2000	<1	12	<10	161	344	<0.5	56	3	315
3837	1770	<1	8	<10	147	247	<0.5	57	4	197
3838	1140	<1	6	<10	107	397	0.7	488	3	172
3839	1610	<1	5	<10	74.2	260	<0.5	260	2	162
3840	510	<1	<1	<10	4.5	<3	<0.5	3	<1	27
3841	540	<1	2	<10	53.2	301	<0.5	23	2	53
3842	1530	<1	3	<10	53.0	206	<0.5	46	2	91
3843	430	1	15	<10	240	2410	0.8	39	3	395
3844	280	1	6	<10	87.2	2540	0.5	29	2	180
3845	730	1	8	<10	283	2170	0.9	34	5	155
3846	70	1	<1	<10	53.7	3460	1.2	4	<1	17
3847	30	1	<1	<10	31.0	3160	0.8	3	1	27
3848	110	<1	3	<10	44.0	1930	1.2	4	<1	126
3849	190	<1	5	<10	78.2	1370	1.0	6	1	195
3850	240	2	22	<10	230	3730	1.4	28	3	635
3851	1000	<1	3	<10	18.0	60	<0.5	4	<1	107
3852	220	<1	7	<10	16.6	473	0.6	4	<1	272
3853	140	<1	<1	<10	25.7	1110	<0.5	7	<1	14
3854	50	<1	1	<10	42.4	1700	0.5	5	<1	22
3855	140	<1	<1	<10	20.3	1080	0.7	7	<1	13
3856	30	4	4	<10	50.7	14200	0.7	12	3	86
3857	50	1	15	<10	114	2310	1.0	16	2	263
3858	1140	<1	4	<10	92.9	301	<0.5	25	2	115
3859	1840	<1	5	<10	93.4	141	<0.5	29	1	111
3860	720	<1	4	<10	68.4	69	<0.5	30	2	101
3861	690	<1	5	<10	113	330	0.8	35	2	108
3862	920	<1	3	<10	127	217	<0.5	92	2	81
3863	980	<1	6	<10	97.1	221	<0.5	117	1	195
3864	930	<1	3	<10	36.0	115	<0.5	69	<1	87
3865	1430	<1	2	<10	14.7	23	<0.5	5	<1	69
3866	770	<1	7	<10	68.6	125	<0.5	41	<1	265
3867	1330	<1	<1	<10	5.8	9	<0.5	4	<1	33
3868	1250	<1	11	<10	161	77	<0.5	53	<1	306

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3869	480	<1	7	<10	153	750	<0.5	23	1	169
3870	470	<1	7	<10	147	496	2.4	7	2	165
3871	700	<1	<1	<10	13.4	238	<0.5	19	<1	48
3872	870	<1	14	<10	143	100	<0.5	39	<1	388
3873	1050	<1	7	<10	88.5	139	<0.5	23	<1	161
3874	730	<1	1	<10	7.0	27	<0.5	4	<1	38
3875	440	<1	15	<10	112	721	0.6	20	<1	489
3876	280	<1	7	<10	95.4	1570	<0.5	14	1	200
3877	770	<1	2	<10	15.9	11	<0.5	32	<1	71
3878	1240	<1	6	<10	105	298	<0.5	58	1	149
3879	430	<1	3	<10	20.3	20	<0.5	37	<1	76
3880	290	<1	5	<10	38.7	416	<0.5	16	<1	152
3881	560	<1	6	<10	19.2	11	<0.5	12	<1	266
3882	650	<1	3	<10	17.7	<3	<0.5	25	<1	61
3883	490	<1	2	<10	19.6	23	<0.5	24	<1	41
3884	840	<1	2	<10	3.7	16	<0.5	4	1	71
3885	640	<1	3	<10	15.1	13	<0.5	26	<1	85
3886	550	1	17	<10	105	1970	<0.5	14	2	419
3887	1120	<1	19	<10	70.3	479	<0.5	12	1	678
3888	90	2	28	<10	124	3890	0.8	20	2	553
3889	380	<1	8	<10	84.5	1860	0.5	10	1	198
3890	180	<1	26	<10	199	1900	0.8	36	2	699
3891	270	<1	13	<10	125	1110	<0.5	11	1	390
3892	870	<1	5	<10	76.7	142	<0.5	68	2	147
3893	1510	<1	9	<10	100	97	<0.5	23	<1	232
3894	600	<1	23	<10	87.1	759	0.5	23	1	872
3895	740	<1	7	<10	37.0	151	<0.5	16	<1	388
3896	550	<1	2	<10	17.2	31	<0.5	3	<1	58
3897	130	1	16	<10	171	3880	0.5	22	1	352
3898	610	<1	6	<10	72.5	89	0.7	17	<1	129
3899	80	2	5	<10	128	5320	0.9	11	2	110
3900	1210	<1	33	<10	127	2840	1.1	26	2	923
*Rep 3833	200	<1	4	<10	23.7	726	<0.5	8	<1	82
*Rep 3844	340	1	6	<10	108	2110	<0.5	32	2	159
*Rep 3853	160	<1	<1	<10	30.2	1320	<0.5	9	<1	18
*Rep 3870	490	<1	7	<10	125	320	1.6	5	1	155
*Rep 3885	650	<1	4	<10	13.1	9	<0.5	31	<1	94
*Rep 3893	540	<1	7	<10	65.1	642	<0.5	14	<1	378
*Std MMISRM16	470	<1	<1	<10	19.9	9	<0.5	51	<1	9
*Std AMIS0169	90	<1	8	<10	94.8	564	1.4	31	2	141
*Bik BLANK	<10	<1	<1	<10	<0.5	22	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3826	22	150	192
3827	25	330	268
3828	6	310	47
3829	12	170	34
3830	6	40	68
3831	10	200	130
3832	58	610	205
3833	6	260	32
3834	5	80	19
3835	6	30	30
3836	32	100	188
3837	18	40	81
3838	16	170	87
3839	17	100	89
3840	2	50	10
3841	4	30	89
3842	9	50	39
3843	33	240	340
3844	15	770	115
3845	15	140	324
3846	2	70	118
3847	6	170	94
3848	15	1170	88
3849	18	590	91
3850	54	350	393
3851	10	120	26
3852	20	620	22
3853	3	<20	40
3854	3	270	77
3855	2	30	40
3856	8	80	181
3857	21	30	119
3858	12	50	81
3859	10	40	63
3860	10	<20	66
3861	9	30	97
3862	8	70	70
3863	22	200	106
3864	9	310	39
3865	8	150	13
3866	26	1090	65
3867	4	210	6
3868	31	570	63

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3869	16	160	153
3870	14	40	211
3871	23	70	26
3872	38	620	101
3873	16	160	68
3874	4	70	7
3875	47	1380	132
3876	16	2890	106
3877	6	80	11
3878	14	40	106
3879	6	80	21
3880	11	580	23
3881	17	100	13
3882	5	390	8
3883	3	<20	30
3884	7	70	7
3885	8	240	16
3886	28	350	124
3887	48	310	90
3888	37	180	121
3889	14	730	115
3890	53	270	283
3891	29	1790	116
3892	15	90	52
3893	26	730	54
3894	69	300	103
3895	50	320	32
3896	6	40	33
3897	26	690	214
3898	10	140	45
3899	11	270	196
3900	70	80	169
*Rep 3833	6	230	31
*Rep 3844	14	640	130
*Rep 3853	3	30	52
*Rep 3870	13	20	144
*Rep 3885	9	210	10
*Rep 3893	44	1090	73
*Std MMISRM16	<1	240	16
*Std AMIS0169	12	290	62
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111209

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 24, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3601	<1	87	20	0.3	560	<1	290	6	42	69
3602	11	73	<10	0.2	1970	<1	390	4	465	51
3603	10	69	<10	0.1	690	<1	440	5	41	14
3604	6	10	<10	<0.1	1860	<1	270	2	14	35
3605	<1	47	10	0.3	1650	<1	410	2	140	80
3606	7	18	<10	0.1	1200	<1	370	2	63	63
3607	6	9	<10	1.8	650	<1	210	4	32	40
3608	8	6	<10	6.1	1040	<1	180	2	161	65
3609	4	4	<10	1.0	1180	<1	130	2	11	18
3610	6	7	<10	0.8	1240	<1	170	3	12	37
3611	3	6	<10	1.1	1080	<1	180	2	63	67
3612	2	>300	30	0.3	1620	<1	20	10	134	26
3613	7	40	<10	2.8	990	<1	330	5	<5	44
3614	1	23	20	0.1	940	<1	240	3	280	46
3615	5	145	<10	0.6	1020	<1	230	20	577	61
3616	<1	231	20	0.1	1200	2	40	24	81	9
3617	1	178	10	<0.1	640	<1	60	3	122	12
3618	<1	270	<10	<0.1	290	<1	30	2	39	33
3619	10	111	<10	0.3	1410	<1	320	18	275	77
3620	9	146	<10	<0.1	2070	<1	370	3	1190	61
3621	4	283	20	0.1	1980	1	80	9	1170	178
3622	3	>300	30	0.2	1310	1	<10	17	430	106
3623	2	>300	20	<0.1	520	<1	<10	18	91	33
3624	3	262	10	0.3	1420	<1	50	3	574	41
3625	5	213	<10	0.6	1250	<1	30	16	335	42
3626	4	194	10	<0.1	2200	<1	<10	8	883	51
3627	8	20	10	0.7	3640	<1	440	7	805	191
3628	5	234	<10	<0.1	2170	<1	20	10	500	37
3629	14	86	<10	0.2	1950	<1	590	2	48	105
3630	4	168	10	0.2	1820	<1	290	19	1170	108
3631	12	125	<10	0.1	1220	<1	460	10	413	52
3632	5	137	<10	0.2	1020	<1	420	32	316	292
3633	1	283	<10	<0.1	530	<1	<10	12	58	59
3634	11	124	<10	0.1	1740	<1	430	20	452	303
3635	2	234	<10	<0.1	930	<1	130	19	290	122
3636	3	275	<10	<0.1	1560	<1	50	3	92	136
3637	1	>300	40	<0.1	1680	<1	<10	14	587	96
3638	3	>300	<10	<0.1	1550	<1	40	4	591	84
3639	2	>300	<10	<0.1	810	<1	<10	10	160	35
3640	6	>300	10	<0.1	1100	<1	40	26	572	97
3641	<1	202	<10	<0.1	950	<1	210	41	60	232
3642	3	24	10	0.2	1240	<1	280	3	82	42
3643	1	77	<10	<0.1	520	<1	470	2	73	29

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3644	<1	48	<10	<0.1	330	<1	330	1	61	9
3645	16	19	10	0.2	2240	<1	210	8	62	70
3646	14	21	<10	0.8	3920	<1	270	9	36	56
3647	10	104	<10	0.1	2780	<1	450	18	575	333
3648	2	70	<10	<0.1	570	<1	320	3	151	12
3649	4	6	<10	0.3	1350	<1	250	2	27	188
3650	6	9	20	0.2	1770	<1	270	4	177	49
3651	5	11	20	0.2	1070	<1	290	3	291	62
3652	7	16	30	0.2	1380	<1	260	5	756	153
3653	6	15	<10	0.2	1160	<1	310	<1	10	<5
3654	3	101	<10	0.1	1590	<1	480	6	595	38
3655	2	129	<10	<0.1	340	<1	<10	8	537	16
3656	5	170	20	<0.1	660	<1	140	12	1900	40
3657	6	187	<10	<0.1	390	<1	<10	5	576	16
3658	3	69	<10	0.2	420	<1	<10	4	1420	33
3659	<1	>300	90	<0.1	370	2	<10	5	71	6
3660	1	>300	20	<0.1	180	<1	<10	8	271	<5
3661	5	188	10	<0.1	810	<1	290	6	514	33
3662	16	38	<10	0.1	1730	<1	560	6	265	247
3663	13	174	<10	<0.1	1750	<1	340	23	780	285
3664	1	>300	<10	<0.1	1230	<1	60	7	1670	54
3665	2	294	30	<0.1	340	<1	<10	11	81	93
3666	1	88	<10	<0.1	100	<1	<10	2	153	8
3667	1	134	<10	<0.1	110	<1	<10	3	144	7
3668	4	190	<10	0.2	2520	<1	260	8	250	72
3669	<1	>300	10	<0.1	250	<1	<10	1	122	5
3670	7	246	<10	0.1	2570	<1	100	7	174	65
3671	6	157	20	0.2	2070	1	320	4	1630	39
3672	17	31	<10	<0.1	2840	<1	510	10	96	86
3673	6	131	<10	0.2	1040	<1	500	16	242	111
3674	4	108	<10	<0.1	670	<1	460	14	175	8
3675	5	17	<10	0.5	980	<1	320	3	<5	16
*Rep 3613	7	41	<10	2.6	1000	<1	340	7	5	40
*Rep 3614	2	24	10	0.3	920	<1	230	4	217	51
*Rep 3635	9	117	<10	0.2	1670	<1	470	10	195	59
*Rep 3649	4	6	<10	0.3	1370	<1	250	1	23	212
*Rep 3662	17	39	<10	0.1	1760	<1	590	7	274	259
*Rep 3673	5	53	10	0.1	1480	<1	450	8	488	109
*Std MMISRM16	18	44	20	24.5	60	<1	220	4	16	64
*Std AMIS0169	9	75	20	0.5	710	<1	40	2	793	143
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3601	<100	1.3	3510	5	3.5	0.9	123	2	4	<1
3602	<100	1.2	4060	19	10.5	7.6	40	4	27	<1
3603	<100	<0.5	710	11	6.1	3.6	17	<1	16	<1
3604	<100	<0.5	510	5	2.8	1.3	1	<1	7	<1
3605	<100	0.5	500	7	4.9	2.5	83	2	10	<1
3606	<100	<0.5	910	7	3.3	2.5	11	<1	10	<1
3607	<100	<0.5	1430	2	1.2	0.8	5	<1	4	<1
3608	<100	0.7	1700	7	3.4	2.9	17	1	11	<1
3609	<100	<0.5	920	2	1.0	0.7	2	<1	3	<1
3610	<100	<0.5	1270	2	1.0	0.7	2	<1	3	<1
3611	<100	<0.5	840	4	1.8	1.7	5	<1	6	<1
3612	100	4.9	190	11	5.0	3.7	82	28	11	<1
3613	<100	0.9	910	4	2.2	1.5	3	<1	6	<1
3614	<100	1.4	1170	9	4.4	4.2	33	2	15	<1
3615	<100	2.2	750	71	37.2	22.5	58	9	96	<1
3616	400	2.4	130	6	3.3	2.2	48	39	6	<1
3617	500	4.5	90	7	3.1	2.5	72	40	8	<1
3618	<100	1.7	90	4	3.1	1.0	120	47	4	<1
3619	<100	<0.5	710	88	47.8	27.1	8	5	122	<1
3620	200	1.0	1680	91	62.3	22.3	138	11	100	<1
3621	200	4.1	600	65	30.2	23.0	167	28	89	<1
3622	200	5.7	410	28	13.4	8.4	172	34	33	<1
3623	100	6.8	150	14	8.0	3.4	158	32	12	<1
3624	100	3.4	970	116	57.4	26.0	124	22	113	<1
3625	<100	6.2	620	74	36.6	22.6	53	12	97	<1
3626	100	5.5	450	52	21.9	19.0	45	15	65	<1
3627	<100	0.5	2950	29	15.0	10.4	24	5	42	<1
3628	<100	5.3	650	68	34.0	14.2	40	10	63	<1
3629	200	4.3	1470	22	16.0	4.5	40	14	25	<1
3630	200	1.4	500	98	53.1	27.3	58	11	117	<1
3631	200	1.0	1410	49	35.1	10.8	74	4	52	<1
3632	200	0.7	770	51	35.2	10.6	50	4	51	<1
3633	<100	6.9	290	7	6.2	1.3	87	15	5	<1
3634	200	1.2	5210	37	29.9	8.0	96	5	36	<1
3635	<100	1.3	530	46	25.3	8.7	171	12	41	<1
3636	<100	4.2	400	31	27.7	3.0	177	12	13	<1
3637	200	4.6	160	25	11.2	9.0	183	29	31	<1
3638	200	6.4	250	32	13.2	11.1	191	17	40	<1
3639	100	7.5	190	23	12.5	4.7	76	17	19	<1
3640	<100	3.7	820	96	47.5	21.1	111	27	93	<1
3641	<100	1.1	700	36	42.4	2.6	154	6	13	<1
3642	<100	2.2	2800	7	3.5	2.4	21	1	10	<1
3643	<100	<0.5	1010	4	2.2	1.4	31	2	6	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3644	<100	0.8	350	3	1.4	1.2	16	1	5	<1
3645	<100	1.9	6180	14	8.8	3.5	20	1	17	<1
3646	<100	1.9	7160	12	8.3	3.2	11	<1	15	<1
3647	<100	0.6	4150	29	18.5	8.8	53	5	37	<1
3648	<100	1.2	400	6	2.9	2.5	22	2	9	<1
3649	<100	<0.5	710	5	2.5	1.4	4	<1	6	<1
3650	<100	1.8	2510	9	4.7	3.5	28	2	14	<1
3651	<100	2.1	2320	12	5.8	5.0	30	3	20	<1
3652	<100	2.8	2970	27	11.6	12.6	27	6	44	<1
3653	<100	0.7	330	8	3.4	4.5	4	<1	17	<1
3654	<100	0.7	1430	92	58.5	23.2	10	7	115	2
3655	<100	5.7	100	35	15.4	15.2	17	13	53	<1
3656	100	4.2	300	62	27.7	26.1	69	17	95	1
3657	<100	4.8	60	34	15.6	15.9	23	17	52	<1
3658	<100	4.0	200	81	33.0	34.8	8	17	152	<1
3659	200	4.2	90	6	2.8	2.7	107	204	7	1
3660	300	3.0	50	15	7.0	7.0	88	74	19	<1
3661	300	4.7	230	20	9.4	7.7	73	19	29	<1
3662	100	0.7	2230	25	16.3	7.9	16	3	36	<1
3663	200	2.3	4180	65	48.0	13.6	187	8	62	<1
3664	300	5.7	230	91	43.4	31.7	131	27	119	<1
3665	200	4.2	120	5	2.9	1.7	311	42	5	<1
3666	<100	3.8	80	27	12.6	11.6	14	11	38	<1
3667	<100	8.6	90	20	9.3	9.1	23	16	27	<1
3668	<100	3.1	1200	73	46.6	15.3	33	7	68	1
3669	100	5.5	20	9	3.4	3.1	98	18	10	<1
3670	<100	2.9	910	60	35.0	9.0	68	8	42	<1
3671	400	2.2	760	75	36.7	26.6	167	20	107	<1
3672	<100	0.7	8060	14	9.2	3.8	33	3	18	<1
3673	<100	1.3	3580	15	9.8	3.9	18	3	17	<1
3674	<100	2.2	300	12	5.4	5.0	17	2	19	<1
3675	<100	1.2	610	5	2.6	1.3	4	<1	7	<1
*Rep 3613	<100	0.8	690	5	2.3	1.8	3	<1	8	<1
*Rep 3614	<100	1.6	1220	8	3.6	3.5	25	2	13	<1
*Rep 3635	200	<0.5	1210	43	28.9	10.6	51	4	49	<1
*Rep 3649	<100	<0.5	570	4	2.5	1.3	4	<1	6	1
*Rep 3662	100	0.7	2480	28	17.7	8.6	15	3	39	<1
*Rep 3673	<100	0.6	2820	19	9.6	6.9	42	3	27	<1
*Std MMISRM16	<100	12.5	710	3	1.0	1.0	1	<1	4	15
*Std AMISO169	100	8.5	5060	32	13.6	12.1	52	16	49	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3601	<0.5	11.3	22	10	40	7260	11	1.3	22	347
3602	<0.5	16.3	216	6	42	4660	17	5.2	220	120
3603	<0.5	14.1	54	<5	73	240	<5	0.8	77	92
3604	<0.5	25.1	3	67	102	1690	<5	<0.5	13	46
3605	<0.5	26.0	56	6	79	22000	37	3.4	73	246
3606	<0.5	14.9	21	12	79	1230	<5	0.9	40	108
3607	<0.5	45.0	16	15	17	1780	<5	0.8	20	135
3608	<0.5	33.8	62	8	37	4080	<5	1.2	82	113
3609	<0.5	18.1	4	14	17	950	<5	<0.5	10	41
3610	<0.5	32.8	4	15	22	1450	<5	<0.5	10	178
3611	<0.5	25.5	25	9	12	3000	<5	1.1	40	98
3612	<0.5	16.2	61	<5	4	500	<5	5.2	59	53
3613	<0.5	15.5	2	<5	57	1030	<5	<0.5	13	38
3614	<0.5	14.5	89	<5	21	2440	12	1.6	122	49
3615	<0.5	34.3	362	<5	36	3980	<5	4.5	486	104
3616	<0.5	11.3	45	<5	7	1280	<5	12.7	35	77
3617	<0.5	5.2	60	<5	9	270	<5	19.8	55	67
3618	<0.5	2.8	19	<5	7	290	<5	8.6	19	56
3619	<0.5	21.4	408	<5	63	5440	<5	0.7	544	79
3620	<0.5	17.1	518	7	97	600	<5	3.4	625	185
3621	<0.5	22.3	524	6	16	4970	<5	21.0	585	149
3622	<0.5	12.2	169	14	4	1550	5	16.7	189	127
3623	<0.5	21.5	46	6	2	780	<5	13.9	56	52
3624	<0.5	27.4	224	<5	24	680	<5	15.7	487	155
3625	<0.5	31.4	226	<5	11	360	<5	8.2	435	59
3626	<0.5	10.0	158	<5	<1	1720	<5	8.4	350	52
3627	<0.5	14.5	314	16	165	1770	<5	3.9	324	340
3628	<0.5	19.3	165	<5	10	410	<5	5.7	314	74
3629	<0.5	33.9	37	60	194	2010	<5	5.1	70	175
3630	<0.5	27.7	529	<5	62	7360	<5	4.3	622	117
3631	<0.5	23.6	207	<5	97	640	<5	1.4	256	327
3632	<0.5	21.2	174	<5	102	11400	<5	1.1	231	225
3633	<0.5	19.7	25	<5	4	40	<5	6.1	27	95
3634	<0.5	23.9	211	21	93	8700	<5	5.8	221	628
3635	<0.5	18.6	107	10	47	1500	<5	5.5	186	223
3636	<0.5	15.3	41	10	23	270	<5	3.7	54	233
3637	<0.5	12.4	229	9	3	760	<5	13.6	208	110
3638	<0.5	9.5	229	10	7	1540	<5	10.4	253	175
3639	<0.5	16.4	56	<5	2	350	<5	7.6	80	61
3640	<0.5	26.2	224	7	20	1250	<5	12.8	462	182
3641	<0.5	24.9	25	<5	95	900	<5	1.0	45	234
3642	<0.5	34.3	33	17	72	1140	39	1.2	58	204
3643	<0.5	8.7	31	17	70	3610	18	2.0	41	216

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3644	<0.5	4.8	28	9	42	1660	15	1.3	35	63
3645	<0.5	49.2	21	47	71	1790	19	0.6	54	359
3646	<0.5	18.4	12	65	102	910	11	0.5	36	226
3647	<0.5	27.7	287	19	73	8420	26	3.8	294	431
3648	<0.5	3.1	69	<5	32	600	10	3.0	75	74
3649	<0.5	23.3	6	47	47	11700	<5	<0.5	18	113
3650	<0.5	10.1	78	7	39	5200	14	2.0	99	267
3651	<0.5	6.3	131	6	39	5700	12	2.7	154	313
3652	<0.5	6.9	347	7	71	2780	20	7.5	358	580
3653	<0.5	5.4	52	<5	91	130	<5	<0.5	92	41
3654	<0.5	14.1	302	<5	151	400	<5	0.8	504	89
3655	<0.5	8.5	159	<5	<1	1120	<5	0.8	319	21
3656	<0.5	10.9	597	<5	3	7210	<5	7.0	661	115
3657	<0.5	7.9	211	<5	<1	80	<5	0.8	322	25
3658	<0.5	4.5	393	<5	<1	480	6	<0.5	989	29
3659	<0.5	8.8	38	13	3	120	6	26.9	34	21
3660	<0.5	3.8	149	<5	<1	70	<5	10.0	132	21
3661	<0.5	4.9	232	6	27	670	<5	13.6	220	128
3662	<0.5	20.0	147	19	162	5750	<5	1.9	205	243
3663	<0.5	16.1	296	12	81	8610	<5	8.0	355	410
3664	<0.5	9.3	578	7	5	1480	<5	15.4	739	59
3665	<0.5	12.8	40	<5	2	30	<5	15.3	33	240
3666	<0.5	6.7	34	<5	<1	210	<5	<0.5	190	18
3667	<0.5	4.7	48	<5	<1	70	5	0.9	131	18
3668	<0.5	18.9	133	<5	71	430	<5	1.0	253	64
3669	<0.5	4.1	57	<5	<1	20	<5	7.3	55	18
3670	<0.5	16.7	73	7	55	150	<5	2.2	159	101
3671	<0.5	15.5	812	<5	72	850	<5	25.3	791	105
3672	<0.5	32.0	30	30	85	5730	56	2.9	74	181
3673	<0.5	21.9	80	<5	81	5660	14	4.5	99	212
3674	<0.5	12.9	90	<5	77	410	<5	0.6	124	74
3675	<0.5	10.4	<1	37	99	1170	<5	<0.5	5	60
*Rep 3613	<0.5	13.4	7	<5	63	1070	<5	<0.5	25	30
*Rep 3614	<0.5	14.3	68	<5	20	2150	9	1.3	97	50
*Rep 3635	<0.5	26.1	221	5	125	1120	<5	1.6	252	222
*Rep 3649	<0.5	23.5	6	47	48	12300	<5	<0.5	16	124
*Rep 3662	<0.5	20.1	154	18	171	6500	<5	1.5	213	273
*Rep 3673	<0.5	23.7	145	<5	84	2640	17	3.3	206	122
*Std MMISRM16	<0.5	38.0	3	<5	31	100	51	<0.5	14	247
*Std AMISO169	<0.5	52.6	420	<5	37	4670	<5	3.8	405	587
*Blk BLANK	<0.5	0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3601	0.3	230	<1	5	<1	54	<1	16	4	<1
3602	0.5	510	<1	56	<1	79	2	21	34	<1
3603	0.1	40	<1	18	<1	65	<1	8	16	<1
3604	<0.1	50	<1	2	<1	42	<1	<5	5	<1
3605	0.3	90	<1	18	<1	64	<1	18	12	<1
3606	0.3	30	<1	8	<1	28	<1	<5	10	<1
3607	3.9	40	<1	4	<1	46	<1	<5	4	<1
3608	0.7	100	<1	19	<1	93	<1	<5	14	<1
3609	1.4	30	<1	2	<1	23	<1	<5	3	<1
3610	1.9	50	<1	2	<1	50	<1	<5	3	<1
3611	0.4	30	<1	9	<1	12	<1	<5	8	<1
3612	3.6	310	<1	15	<1	144	<1	35	13	<1
3613	0.5	<10	<1	2	<1	110	<1	<5	5	<1
3614	0.5	130	<1	28	<1	81	1	5	20	<1
3615	0.8	320	<1	110	<1	178	<1	93	101	<1
3616	35.9	190	<1	9	<1	83	<1	42	7	5
3617	18.9	120	<1	14	<1	41	<1	30	10	6
3618	4.7	90	<1	5	<1	18	<1	32	4	<1
3619	0.4	80	<1	121	<1	164	<1	76	111	<1
3620	0.4	300	<1	149	<1	138	<1	142	114	<1
3621	5.5	330	<1	144	<1	314	<1	88	110	<1
3622	8.7	490	<1	46	<1	273	<1	60	40	1
3623	3.7	450	<1	13	<1	227	<1	45	13	1
3624	3.1	540	<1	98	<1	404	<1	162	116	<1
3625	1.4	550	<1	86	<1	371	<1	96	100	<1
3626	3.5	360	<1	77	<1	196	<1	110	83	<1
3627	0.4	250	<1	81	<1	107	<1	13	53	<1
3628	0.5	620	<1	69	<1	320	<1	88	65	<1
3629	0.4	70	<1	14	<1	144	<1	67	19	<1
3630	0.8	410	<1	152	<1	262	<1	112	125	<1
3631	0.2	160	<1	61	<1	110	<1	47	50	<1
3632	0.2	260	<1	54	<1	130	<1	60	49	<1
3633	1.2	100	<1	7	<1	224	<1	25	6	<1
3634	0.4	570	<1	56	<1	84	<1	60	40	<1
3635	1.3	450	<1	41	<1	173	<1	47	42	<1
3636	1.2	210	<1	13	<1	273	<1	47	12	<1
3637	3.9	210	<1	55	<1	142	1	55	40	<1
3638	3.2	170	<1	63	<1	145	<1	42	50	<1
3639	2.0	460	<1	18	<1	402	<1	55	19	<1
3640	3.4	690	<1	99	<1	285	<1	99	97	<1
3641	0.3	320	<1	10	<1	124	<1	37	10	<1
3642	0.3	380	<1	12	<1	320	2	<5	12	<1
3643	0.3	100	<1	10	<1	63	<1	<5	7	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3644	0.4	30	<1	8	<1	34	<1	<5	6	<1
3645	<0.1	1130	<1	10	<1	162	6	6	14	<1
3646	<0.1	1130	<1	6	<1	283	5	<5	11	<1
3647	0.3	510	<1	76	<1	68	2	30	47	<1
3648	1.0	60	<1	19	<1	14	<1	7	13	<1
3649	<0.1	60	<1	3	<1	27	<1	<5	5	<1
3650	0.5	220	<1	23	<1	77	1	<5	17	<1
3651	0.5	200	<1	37	<1	100	1	<5	25	<1
3652	1.0	300	<1	93	<1	62	1	19	62	<1
3653	0.3	<10	<1	18	<1	113	<1	7	19	<1
3654	0.2	110	<1	101	<1	119	<1	73	108	<1
3655	0.3	510	<1	71	<1	135	<1	53	64	<1
3656	4.2	200	<1	161	<1	220	<1	67	120	<1
3657	0.4	390	<1	73	<1	126	<1	45	63	<1
3658	0.3	140	<1	225	<1	93	<1	43	161	<1
3659	9.3	320	<1	9	<1	88	1	47	8	12
3660	5.2	100	<1	33	<1	56	<1	62	25	2
3661	4.1	50	<1	57	<1	74	<1	44	38	<1
3662	0.3	60	<1	45	<1	93	<1	18	38	<1
3663	0.5	390	<1	89	<1	139	<1	116	69	<1
3664	2.6	300	<1	176	<1	155	<1	88	148	<1
3665	6.9	70	<1	9	<1	74	<1	21	7	<1
3666	0.5	220	<1	35	<1	38	<1	41	45	<1
3667	0.7	230	<1	25	<1	68	<1	53	34	<1
3668	0.2	450	<1	50	<1	197	<1	149	66	<1
3669	2.6	100	<1	14	<1	54	<1	27	12	<1
3670	0.2	530	<1	32	<1	193	<1	72	37	<1
3671	2.0	210	<1	207	<1	153	<1	100	135	<1
3672	0.2	540	<1	15	<1	63	2	15	16	<1
3673	0.3	770	<1	24	<1	115	1	19	19	<1
3674	0.3	50	<1	29	<1	191	<1	6	23	<1
3675	0.1	20	<1	<1	<1	155	<1	<5	4	<1
*Rep 3613	0.5	<10	<1	4	<1	96	<1	<5	7	<1
*Rep 3614	0.5	100	<1	23	<1	81	<1	5	17	<1
*Rep 3635	0.2	190	<1	59	<1	100	<1	44	48	<1
*Rep 3649	<0.1	60	<1	3	<1	28	<1	<5	5	<1
*Rep 3662	0.3	60	<1	47	<1	90	<1	17	40	<1
*Rep 3673	0.3	510	<1	49	<1	107	1	15	35	<1
*Std MMISRM16	0.3	90	28	2	<1	328	<1	8	5	<1
*Std AMIS0169	3.4	130	<1	105	<1	269	<1	72	68	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3601	780	<1	<1	<10	12.9	35	<0.5	279	<1	35
3602	600	<1	4	<10	98.6	283	<0.5	79	1	97
3603	900	<1	2	<10	26.3	21	<0.5	15	<1	67
3604	820	<1	<1	<10	5.0	<3	<0.5	3	<1	28
3605	1250	<1	2	<10	26.8	110	<0.5	96	1	49
3606	510	<1	1	<10	18.2	55	<0.5	5	<1	39
3607	290	<1	<1	<10	7.6	34	1.5	25	2	13
3608	190	<1	2	<10	16.3	65	0.7	4	<1	36
3609	290	<1	<1	<10	1.1	5	<0.5	3	<1	11
3610	420	<1	<1	<10	1.9	7	0.5	9	<1	12
3611	250	<1	<1	<10	8.0	43	<0.5	5	<1	20
3612	60	<1	2	<10	28.3	1130	0.6	5	<1	53
3613	1010	<1	<1	<10	1.9	10	<0.5	10	<1	23
3614	360	<1	2	<10	15.4	112	<0.5	10	<1	50
3615	290	<1	14	<10	63.2	947	0.6	12	<1	435
3616	300	<1	1	<10	37.7	2190	<0.5	7	<1	33
3617	170	1	1	<10	31.9	4770	<0.5	5	<1	35
3618	100	<1	<1	<10	21.5	1820	<0.5	4	<1	23
3619	570	<1	17	<10	38.2	48	0.6	7	<1	495
3620	1240	<1	16	<10	160	267	0.6	92	<1	493
3621	230	<1	14	<10	186	4970	0.8	15	1	342
3622	60	<1	6	<10	130	3820	1.1	13	<1	121
3623	10	<1	2	<10	32.7	3640	0.5	6	<1	72
3624	300	<1	20	<10	164	3670	0.7	31	2	539
3625	280	<1	14	<10	42.0	2370	0.8	9	<1	454
3626	30	<1	11	<10	111	1820	1.3	15	<1	177
3627	1360	<1	7	<10	126	78	<0.5	29	<1	151
3628	300	<1	12	<10	49.9	1700	0.8	10	<1	389
3629	1970	<1	4	<10	39.0	1320	0.7	11	<1	125
3630	610	<1	19	<10	154	645	0.6	23	<1	512
3631	860	<1	8	<10	69.4	33	<0.5	32	<1	301
3632	700	<1	9	<10	85.1	50	<0.5	25	<1	297
3633	70	<1	<1	<10	24.6	1710	<0.5	5	<1	41
3634	930	<1	6	<10	101	230	<0.5	217	<1	237
3635	320	<1	8	<10	84.4	1020	<0.5	10	<1	271
3636	250	<1	3	<10	44.4	752	0.9	6	<1	178
3637	70	<1	5	<10	58.6	2390	0.7	7	<1	109
3638	140	<1	7	<10	93.5	1150	1.2	6	<1	139
3639	30	<1	4	<10	31.8	2300	0.6	7	<1	129
3640	240	<1	17	<10	94.4	3630	0.6	16	1	511
3641	660	<1	4	<10	40.4	178	<0.5	12	<1	231
3642	380	<1	1	<10	31.6	83	<0.5	48	<1	40
3643	510	<1	<1	<10	15.9	46	<0.5	24	<1	26

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3644	430	<1	<1	<10	12.4	56	<0.5	19	<1	16
3645	840	<1	3	<10	43.5	45	<0.5	159	1	77
3646	630	<1	2	<10	30.6	27	<0.5	47	2	65
3647	750	<1	6	<10	75.3	77	<0.5	136	<1	187
3648	430	<1	1	<10	26.8	165	<0.5	15	<1	33
3649	800	<1	<1	<10	12.0	5	<0.5	3	<1	29
3650	520	<1	2	<10	32.8	137	<0.5	60	<1	52
3651	410	<1	3	<10	44.4	191	<0.5	61	<1	66
3652	520	<1	7	<10	77.1	632	<0.5	75	<1	122
3653	650	<1	2	<10	9.1	8	<0.5	4	<1	44
3654	1800	<1	17	<10	41.7	41	<0.5	34	<1	425
3655	10	<1	8	<10	20.5	164	<0.5	10	<1	183
3656	140	<1	15	<10	105	916	<0.5	16	<1	301
3657	<10	<1	8	<10	11.6	146	<0.5	8	<1	205
3658	<10	<1	20	<10	11.2	32	<0.5	10	<1	541
3659	50	2	1	<10	32.8	10600	0.6	6	1	26
3660	30	<1	3	<10	30.7	2770	<0.5	9	<1	80
3661	210	<1	5	<10	62.2	2010	0.6	15	<1	104
3662	1500	<1	5	<10	52.3	95	<0.5	18	<1	138
3663	820	<1	11	<10	187	758	0.7	85	<1	369
3664	100	<1	19	<10	136	2250	0.8	17	<1	474
3665	100	<1	<1	<10	20.1	2570	0.5	5	<1	24
3666	<10	<1	6	<10	12.6	110	<0.5	9	<1	115
3667	<10	<1	4	<10	18.9	223	<0.5	10	<1	86
3668	840	<1	11	<10	52.6	143	0.8	24	<1	359
3669	10	<1	2	<10	22.1	758	<0.5	6	<1	33
3670	730	<1	9	<10	51.0	476	0.7	8	<1	339
3671	540	1	17	<10	172	3420	0.8	20	1	378
3672	2120	<1	2	<10	62.9	211	<0.5	129	2	69
3673	1020	<1	3	<10	61.6	73	<0.5	74	<1	84
3674	500	<1	3	<10	29.4	55	<0.5	44	<1	62
3675	470	<1	<1	<10	4.6	3	0.7	7	<1	27
*Rep 3613	930	<1	<1	<10	2.0	4	<0.5	9	<1	28
*Rep 3614	350	<1	2	<10	12.6	89	<0.5	9	<1	42
*Rep 3635	920	<1	8	<10	62.7	81	<0.5	16	<1	272
*Rep 3649	780	<1	<1	<10	10.0	6	<0.5	2	<1	27
*Rep 3662	1560	<1	5	<10	57.4	54	<0.5	21	<1	145
*Rep 3673	1210	<1	4	<10	93.1	44	<0.5	61	<1	94
*Std MMISRM16	460	<1	<1	<10	21.2	<3	<0.5	52	<1	10
*Std AMISO169	80	<1	8	<10	91.9	526	1.5	32	2	139
*Bik BLANK	<10	<1	<1	<10	<0.5	32	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	6	<0.5	<1	<1	<5

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Final : TO111209 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3601	3	150	19
3602	10	70	76
3603	5	60	20
3604	2	90	5
3605	6	80	33
3606	3	70	30
3607	1	60	20
3608	3	50	26
3609	<1	30	12
3610	1	100	19
3611	2	30	19
3612	4	300	55
3613	2	30	<5
3614	4	40	25
3615	28	140	85
3616	3	120	80
3617	3	170	82
3618	3	80	33
3619	36	220	29
3620	62	890	193
3621	24	730	247
3622	11	1380	165
3623	7	290	75
3624	44	600	245
3625	26	340	77
3626	19	130	140
3627	12	80	104
3628	25	160	89
3629	16	330	69
3630	42	480	146
3631	30	500	68
3632	32	430	95
3633	6	160	49
3634	30	440	133
3635	20	1530	85
3636	25	510	58
3637	9	170	92
3638	10	640	102
3639	9	180	65
3640	35	590	130
3641	42	950	35
3642	3	50	41
3643	2	50	9

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Final : TO111209 Order: EXPL-005

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3644	1	120	8
3645	9	100	49
3646	8	60	32
3647	17	150	72
3648	2	60	22
3649	2	90	15
3650	4	50	43
3651	5	40	44
3652	9	70	79
3653	2	30	7
3654	49	250	42
3655	12	70	24
3656	22	50	82
3657	11	70	15
3658	19	280	11
3659	2	130	88
3660	5	30	58
3661	8	80	94
3662	16	220	57
3663	45	650	221
3664	34	840	153
3665	2	210	28
3666	10	170	14
3667	7	<20	23
3668	41	290	80
3669	2	120	26
3670	28	250	60
3671	31	710	202
3672	10	80	88
3673	9	230	42
3674	4	230	16
3675	2	50	9
*Rep 3613	2	40	<5
*Rep 3614	3	40	21
*Rep 3635	26	1020	51
*Rep 3649	2	90	15
*Rep 3662	18	240	55
*Rep 3673	9	90	71
*Std MMISRM16	<1	240	18
*Std AMIS0169	11	270	59
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111203

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 24, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3151	15	27	10	0.2	2900	<1	370	8	605	99
3152	8	51	30	0.2	1740	<1	430	21	262	183
3153	13	20	<10	0.1	1490	<1	390	10	62	347
3154	18	26	<10	0.1	1600	<1	470	12	80	314
3155	17	88	30	0.3	3760	3	430	11	866	74
3156	1	>300	<10	<0.1	170	<1	<10	7	57	6
3157	7	85	<10	<0.1	1240	<1	390	14	262	205
3158	3	10	20	0.1	1600	<1	280	2	36	80
3159	16	20	<10	0.1	3610	<1	340	10	53	69
3160	15	16	<10	0.3	1080	<1	310	11	123	40
3161	8	28	<10	0.3	1040	<1	330	7	146	171
3162	8	15	<10	0.3	1170	<1	260	4	166	48
3163	8	25	<10	0.2	1720	<1	330	1	48	9
3164	9	103	<10	0.2	2080	<1	390	7	410	63
3165	8	55	<10	0.2	1350	<1	340	6	198	58
3166	8	35	<10	0.3	1220	<1	340	7	25	16
3167	19	211	10	0.3	4740	11	270	23	952	119
3168	13	106	10	0.2	1960	3	350	21	1230	64
3169	15	29	<10	0.1	4950	<1	490	10	852	141
3170	6	54	<10	0.1	2370	<1	470	2	108	76
3171	4	130	<10	0.2	1730	<1	320	13	404	85
3172	16	33	<10	0.2	2470	<1	510	17	457	211
3173	9	84	<10	0.1	1860	<1	370	38	390	196
3174	10	18	<10	<0.1	1990	<1	380	8	116	91
3175	12	23	<10	0.2	1790	<1	520	10	263	153
3176	16	39	<10	0.1	1910	<1	490	28	324	152
3177	11	87	<10	0.1	2450	<1	340	16	1390	184
3178	2	121	<10	<0.1	2480	<1	400	7	156	16
3179	8	32	<10	0.8	1470	<1	420	8	142	44
3180	9	46	<10	0.1	1680	<1	380	5	79	37
3181	13	34	<10	0.1	1950	<1	450	10	309	186
3182	13	21	<10	<0.1	3190	<1	420	6	307	100
3183	6	105	<10	0.1	1570	<1	380	11	289	107
3184	3	118	<10	<0.1	200	<1	290	27	91	21
3185	9	127	20	<0.1	690	<1	170	10	743	111
3186	8	62	<10	0.3	1670	<1	350	11	1250	455
3187	<1	>300	60	<0.1	1150	1	<10	14	160	20
3188	3	293	20	0.1	670	<1	<10	18	378	18
3189	18	32	<10	0.1	1830	<1	370	11	1530	285
3190	14	65	<10	0.1	3060	<1	370	8	752	101
3191	14	25	<10	0.2	2900	<1	310	7	962	73
3192	12	51	<10	0.1	2870	<1	420	13	463	86
3193	7	123	<10	<0.1	1190	<1	250	23	121	123

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
3194	5	99	10	0.1	1500	<1	270	21	53	177
3195	17	99	10	0.1	1900	<1	290	25	438	192
3196	17	19	10	0.2	3140	<1	400	7	280	82
3197	15	45	<10	0.2	5050	<1	470	8	442	106
3198	7	153	<10	<0.1	1670	3	240	15	165	141
3199	6	131	<10	<0.1	2090	1	180	9	114	243
3200	5	71	10	0.1	1710	<1	220	13	1050	236
3201	13	60	<10	<0.1	3420	<1	370	26	1530	160
3202	10	83	10	0.2	2930	2	200	22	1820	208
3203	7	296	20	0.2	2230	5	60	4	601	95
3204	11	61	10	0.3	2180	<1	290	6	1910	375
3205	14	133	<10	<0.1	1580	<1	90	3	92	296
3206	3	244	10	<0.1	1180	1	30	12	323	87
3207	2	271	<10	<0.1	1880	<1	<10	10	310	76
3208	2	253	10	<0.1	2190	<1	40	16	230	116
3209	1	>300	<10	<0.1	530	<1	<10	3	35	29
3210	1	120	40	0.2	2660	5	40	2	658	405
3211	2	>300	<10	<0.1	90	2	<10	1	28	8
3212	19	28	<10	0.2	4000	<1	520	12	789	140
3213	10	37	<10	0.1	1600	<1	340	8	1070	149
3214	11	23	<10	<0.1	1210	<1	400	6	22	74
3215	13	67	<10	0.1	2420	<1	400	14	534	215
3216	13	15	<10	<0.1	2450	<1	290	9	45	55
3217	13	16	20	<0.1	2200	<1	320	6	167	59
3218	22	23	<10	0.1	4640	<1	450	8	94	79
3219	19	18	<10	<0.1	3340	<1	360	9	70	75
3220	15	20	<10	0.2	3390	<1	400	8	236	78
3221	6	23	20	0.4	1440	<1	250	6	165	95
3222	22	66	10	0.1	1290	<1	410	18	348	196
3223	4	132	30	<0.1	1960	1	90	8	1810	102
3224	2	299	10	<0.1	1030	<1	20	9	332	23
3225	6	74	<10	0.2	1550	<1	280	7	1020	217
*Rep 3160	15	18	<10	0.2	1100	<1	330	10	143	44
*Rep 3168	11	83	10	0.2	1920	3	330	15	1280	57
*Rep 3178	1	78	<10	0.2	2760	<1	370	15	179	9
*Rep 3202	12	75	10	0.2	3310	2	210	14	1980	203
*Rep 3210	<1	103	50	0.2	3450	7	40	3	1100	401
*Rep 3219	16	16	<10	<0.1	3270	<1	340	7	85	64
*Std MMISRM16	21	44	20	28.5	60	<1	220	4	15	64
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Std MMISRM16	18	43	20	26.1	50	<1	210	4	15	64

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3151	100	1.0	5890	32	18.5	10.9	39	5	47	<1
3152	<100	0.8	11300	25	20.3	6.2	53	3	29	<1
3153	<100	<0.5	1560	7	5.0	2.0	10	<1	9	<1
3154	<100	<0.5	2340	14	10.1	3.3	13	1	17	<1
3155	200	3.6	6770	38	20.4	13.1	66	9	52	<1
3156	100	1.9	20	6	3.9	2.1	20	76	6	<1
3157	400	1.0	1010	21	13.7	5.7	23	3	26	<1
3158	<100	1.4	1680	7	4.3	2.2	10	<1	10	<1
3159	<100	0.8	8460	12	9.2	2.8	23	1	13	<1
3160	<100	1.0	2950	16	9.5	4.8	17	1	21	<1
3161	<100	<0.5	1060	10	4.9	3.6	13	1	14	<1
3162	<100	0.6	540	10	4.5	4.5	5	1	17	<1
3163	<100	0.7	630	18	9.1	5.7	6	<1	26	1
3164	100	<0.5	880	66	44.0	16.8	22	4	75	<1
3165	<100	0.9	610	33	18.1	10.4	13	2	45	1
3166	<100	<0.5	490	10	4.7	3.2	7	<1	14	1
3167	200	5.8	8640	73	45.7	17.0	148	18	73	<1
3168	200	4.2	4280	50	26.2	16.3	77	10	68	<1
3169	200	1.2	9480	43	26.7	14.0	53	6	59	<1
3170	<100	<0.5	1220	26	18.4	6.4	9	2	30	3
3171	100	<0.5	720	50	32.0	12.0	48	4	52	<1
3172	100	<0.5	7110	28	19.2	8.4	24	3	38	<1
3173	<100	1.2	5450	27	23.3	5.8	111	4	27	<1
3174	<100	<0.5	4590	14	9.0	3.7	33	1	17	<1
3175	100	<0.5	2700	12	7.0	4.6	28	2	18	<1
3176	<100	0.8	3840	21	12.5	6.7	12	2	30	<1
3177	200	3.4	3940	61	40.2	17.9	126	9	73	<1
3178	<100	2.6	200	24	13.8	5.2	25	3	23	<1
3179	<100	0.8	660	17	8.6	5.5	10	1	24	<1
3180	<100	<0.5	1090	16	9.5	5.1	16	1	22	<1
3181	100	0.7	2510	23	14.7	6.3	13	2	31	<1
3182	<100	0.9	4700	19	11.1	6.2	29	2	27	<1
3183	<100	2.1	4170	24	22.4	4.9	86	4	22	<1
3184	<100	1.7	200	19	11.0	3.7	52	3	16	<1
3185	100	2.3	1280	39	19.6	13.1	148	7	50	<1
3186	100	<0.5	1490	44	25.3	16.9	50	7	67	<1
3187	500	1.6	110	10	4.8	3.7	293	68	11	2
3188	300	3.4	160	21	9.3	9.0	173	44	29	<1
3189	100	1.0	2900	46	26.9	17.4	107	9	69	<1
3190	200	1.8	3960	32	19.1	10.6	58	6	44	<1
3191	<100	1.5	2830	35	18.8	13.0	50	6	53	<1
3192	<100	0.8	4650	21	13.2	7.3	63	4	29	<1
3193	<100	2.6	4710	15	15.3	2.8	215	3	12	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3194	<100	2.5	6640	8	11.1	1.4	278	4	5	<1
3195	100	1.9	6880	31	23.9	7.8	211	5	33	<1
3196	100	0.7	5610	20	12.4	6.5	31	2	28	<1
3197	100	2.1	6810	20	12.5	7.0	31	3	28	<1
3198	<100	3.7	4240	27	31.5	3.5	171	6	16	<1
3199	<100	3.7	5860	12	20.4	2.3	300	6	9	<1
3200	200	2.4	2270	50	30.3	16.0	274	11	65	<1
3201	200	2.4	5280	59	35.7	19.3	135	11	81	<1
3202	200	2.3	5540	90	57.9	24.9	287	13	107	<1
3203	300	5.8	2130	28	15.2	8.9	163	25	32	<1
3204	200	1.0	1970	90	51.6	29.2	61	12	125	<1
3205	<100	3.4	2340	27	44.7	2.5	275	5	10	<1
3206	<100	1.7	600	64	34.1	13.2	178	23	59	<1
3207	100	5.1	580	28	14.0	7.6	64	11	29	<1
3208	200	6.2	330	14	6.5	4.9	65	13	18	<1
3209	100	9.6	160	3	1.8	0.6	103	17	2	<1
3210	200	3.8	4190	25	13.7	7.9	1010	25	30	<1
3211	100	5.8	100	5	3.9	1.2	13	39	4	<1
3212	100	1.0	8920	37	23.2	12.2	53	5	54	<1
3213	200	0.9	3580	37	21.8	13.8	101	7	57	<1
3214	<100	<0.5	1410	10	7.1	2.1	9	<1	11	<1
3215	200	0.8	4600	22	14.1	7.8	41	4	31	<1
3216	<100	0.6	6550	10	7.1	2.6	19	<1	12	<1
3217	<100	0.7	4650	21	13.0	6.2	22	2	29	<1
3218	<100	1.5	9480	14	9.6	4.1	23	1	17	<1
3219	<100	<0.5	9450	15	10.9	3.5	27	1	17	<1
3220	<100	1.6	5510	27	17.1	7.5	35	2	35	<1
3221	<100	<0.5	4700	14	8.7	4.2	43	2	19	<1
3222	100	<0.5	5070	18	12.2	6.1	30	3	25	<1
3223	300	2.8	250	62	26.9	26.1	135	23	95	<1
3224	200	4.8	290	16	6.8	6.3	87	21	22	<1
3225	200	0.6	1160	41	21.3	14.5	104	8	58	<1
*Rep 3160	<100	0.9	3180	17	10.0	5.1	22	1	22	<1
*Rep 3168	100	3.9	3600	45	23.1	15.5	71	10	64	<1
*Rep 3178	200	3.6	230	17	9.1	5.2	22	9	23	<1
*Rep 3202	200	2.3	6040	95	60.4	27.2	284	14	115	<1
*Rep 3210	200	3.3	3560	43	22.9	13.8	1020	27	52	<1
*Rep 3219	<100	<0.5	7980	15	10.4	3.8	26	1	18	<1
*Std MMISRM16	<100	12.1	700	2	0.9	0.9	1	<1	4	14
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Std MMISRM16	<100	11.8	700	2	1.0	0.9	2	<1	4	15

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3151	<0.5	28.7	247	16	44	1980	72	4.5	324	184
3152	<0.5	34.0	179	28	78	7370	143	5.2	190	739
3153	<0.5	22.2	19	15	138	17900	6	0.7	38	244
3154	<0.5	24.3	25	25	112	8160	<5	0.9	55	260
3155	<0.5	17.5	385	23	30	2060	36	22.4	381	114
3156	<0.5	2.6	19	<5	<1	50	<5	7.4	25	19
3157	<0.5	12.1	107	<5	63	7810	5	1.7	143	317
3158	<0.5	17.6	12	24	51	620	71	1.3	32	365
3159	<0.5	31.9	21	22	90	930	23	1.1	40	203
3160	<0.5	19.8	40	10	84	1500	<5	1.1	83	126
3161	<0.5	14.8	43	<5	133	15000	<5	0.7	75	169
3162	<0.5	13.1	49	<5	108	2210	<5	<0.5	86	49
3163	<0.5	10.9	56	<5	138	170	<5	<0.5	94	72
3164	<0.5	16.3	383	5	141	2600	<5	1.6	397	160
3165	<0.5	12.6	134	<5	134	2220	<5	0.6	200	101
3166	<0.5	15.9	24	<5	138	740	<5	<0.5	47	99
3167	<0.5	23.3	411	37	50	2070	18	25.0	418	228
3168	<0.5	10.0	530	25	22	2090	13	22.4	502	121
3169	<0.5	21.1	382	17	53	1490	14	6.0	435	165
3170	<0.5	17.1	100	<5	117	1380	<5	1.1	131	128
3171	<0.5	19.8	190	<5	99	2170	<5	1.6	247	161
3172	<0.5	27.7	197	21	121	4140	9	2.1	245	169
3173	<0.5	21.1	156	26	71	4850	19	4.1	164	381
3174	<0.5	21.4	39	36	96	6870	12	1.9	78	106
3175	<0.5	23.7	101	14	93	14500	18	1.9	140	117
3176	<0.5	27.0	132	36	101	3780	12	2.4	170	215
3177	<0.5	8.0	514	11	21	2210	<5	11.7	529	209
3178	<0.5	9.1	60	<5	88	380	<5	1.2	86	159
3179	<0.5	9.5	54	<5	97	460	<5	1.1	96	77
3180	<0.5	15.9	56	<5	99	760	<5	1.6	97	91
3181	<0.5	16.5	104	<5	96	1910	<5	1.9	157	154
3182	<0.5	16.7	109	19	29	1040	16	2.6	166	170
3183	<0.5	13.7	109	12	70	8770	11	5.2	122	198
3184	<0.5	2.7	39	<5	60	4430	<5	<0.5	59	143
3185	<0.5	8.0	304	<5	37	2220	6	7.8	336	189
3186	<0.5	20.8	456	<5	100	22100	<5	2.3	505	157
3187	<0.5	9.3	86	6	2	140	<5	52.7	65	84
3188	<0.5	9.2	214	<5	<1	910	6	13.1	165	47
3189	<0.5	10.8	577	12	69	19300	5	2.7	617	140
3190	<0.5	10.7	320	21	41	3800	21	7.5	325	205
3191	<0.5	8.8	401	18	46	2710	17	8.4	402	133
3192	<0.5	15.2	204	25	49	7870	43	4.7	220	236
3193	<0.5	10.3	61	37	33	5390	27	4.2	65	366

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3194	<0.5	13.0	28	42	50	3300	21	3.5	31	510
3195	<0.5	12.4	207	29	42	8850	15	7.5	229	395
3196	<0.5	18.9	96	15	72	2600	83	2.8	153	140
3197	<0.5	9.5	163	13	74	1440	8	5.0	185	142
3198	<0.5	15.1	75	33	46	1630	9	5.5	76	392
3199	<0.5	10.2	49	35	46	710	6	5.5	52	746
3200	<0.5	10.7	413	10	51	9130	<5	10.7	475	334
3201	<0.5	12.5	786	22	48	5210	<5	9.4	645	265
3202	<0.5	14.2	686	18	38	2130	<5	16.6	775	231
3203	<0.5	9.0	231	14	23	2480	<5	42.7	212	120
3204	<0.5	14.4	802	<5	95	9420	<5	5.5	825	162
3205	<0.5	13.0	39	7	59	960	<5	4.8	47	553
3206	<0.5	16.2	128	8	18	2680	<5	16.2	240	176
3207	<0.5	18.7	86	5	2	520	<5	11.9	123	79
3208	<0.5	24.8	83	<5	5	5000	<5	9.4	85	65
3209	<0.5	8.3	13	6	2	50	<5	5.5	10	99
3210	<0.5	9.2	243	14	16	7010	<5	56.2	201	130
3211	<0.5	3.5	12	<5	<1	30	<5	18.9	15	32
3212	<0.5	18.6	340	22	27	1450	5	4.5	384	177
3213	<0.5	16.7	445	6	52	10800	<5	5.0	470	127
3214	<0.5	21.3	7	12	136	2960	9	0.8	24	143
3215	<0.5	23.9	237	6	76	22000	8	4.4	252	225
3216	<0.5	22.0	16	20	61	2330	36	0.8	38	82
3217	<0.5	25.6	53	16	62	1970	80	2.0	123	148
3218	<0.5	34.2	30	25	72	1510	54	2.0	73	173
3219	<0.5	41.6	24	31	86	1720	16	1.0	54	110
3220	<0.5	19.2	65	20	43	2800	28	2.0	156	108
3221	<0.5	25.4	62	17	35	8500	90	1.7	99	258
3222	<0.5	26.2	154	20	100	12600	51	3.0	178	360
3223	<0.5	8.9	725	<5	13	7560	<5	17.7	649	79
3224	<0.5	8.0	132	<5	2	240	<5	7.2	133	64
3225	<0.5	13.0	504	<5	69	17500	<5	10.4	437	130
*Rep 3160	<0.5	20.7	46	12	89	1430	<5	1.1	94	135
*Rep 3168	<0.5	9.8	554	23	22	1650	11	21.6	505	111
*Rep 3178	<0.5	8.1	78	10	84	290	<5	1.6	77	221
*Rep 3202	<0.5	14.0	765	15	37	2120	<5	16.8	836	217
*Rep 3210	<0.5	10.7	407	16	16	8900	<5	75.6	365	126
*Rep 3219	<0.5	39.3	29	26	77	1470	23	1.0	65	89
*Std MMISRM16	<0.5	39.5	3	<5	33	100	55	<0.5	12	314
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Std MMISRM16	<0.5	37.7	3	<5	30	100	52	<0.5	13	268

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3151	0.4	620	<1	78	<1	116	2	24	54	<1
3152	0.3	1240	<1	48	<1	115	2	36	31	<1
3153	0.1	30	<1	8	<1	28	<1	9	8	<1
3154	<0.1	60	<1	11	<1	49	<1	11	13	<1
3155	0.7	1020	<1	99	<1	185	5	58	63	2
3156	3.9	220	<1	6	<1	20	<1	30	6	2
3157	0.4	70	<1	33	<1	114	<1	34	27	<1
3158	0.3	210	<1	6	<1	88	2	5	8	<1
3159	<0.1	1430	<1	8	<1	112	4	8	10	<1
3160	0.3	210	<1	17	<1	103	<1	13	19	<1
3161	0.2	30	<1	16	<1	77	<1	8	15	<1
3162	0.1	20	<1	18	<1	84	<1	8	18	<1
3163	0.1	20	<1	19	<1	102	<1	11	22	<1
3164	0.2	150	<1	97	<1	82	<1	50	74	<1
3165	0.2	40	<1	44	<1	115	<1	29	42	<1
3166	0.2	10	<1	10	<1	131	<1	10	12	<1
3167	1.1	1620	<1	109	<1	196	3	144	77	2
3168	1.0	630	<1	133	<1	173	2	74	83	1
3169	0.2	850	<1	109	<1	144	1	37	69	<1
3170	0.1	50	<1	29	<1	106	<1	20	26	<1
3171	0.2	260	<1	59	<1	125	<1	55	51	<1
3172	0.1	310	<1	58	<1	45	<1	14	41	<1
3173	0.2	770	<1	41	<1	106	<1	50	28	<1
3174	<0.1	240	<1	16	<1	25	<1	10	16	<1
3175	0.2	50	<1	33	<1	32	<1	11	22	<1
3176	0.2	250	<1	40	<1	57	<1	12	30	<1
3177	0.3	900	<1	140	<1	294	<1	109	86	<1
3178	0.1	90	<1	19	<1	145	<1	22	19	<1
3179	0.2	30	<1	20	<1	107	<1	12	21	<1
3180	0.2	50	<1	21	<1	87	<1	13	20	<1
3181	<0.1	160	<1	36	<1	96	<1	15	29	<1
3182	0.2	360	<1	38	<1	132	<1	13	29	<1
3183	0.3	740	<1	31	<1	125	<1	46	22	<1
3184	0.3	70	<1	13	<1	29	<1	19	13	<1
3185	1.8	300	<1	86	<1	68	<1	63	59	<1
3186	0.3	60	<1	128	<1	73	<1	47	80	<1
3187	10.9	130	<1	17	<1	51	<1	49	13	5
3188	4.0	130	<1	43	<1	78	<1	61	32	2
3189	0.4	70	<1	157	<1	121	<1	56	90	<1
3190	0.4	620	<1	85	<1	141	1	44	51	<1
3191	0.7	370	<1	105	<1	91	<1	25	62	<1
3192	0.3	410	<1	56	<1	46	<1	28	35	<1
3193	0.4	440	<1	17	<1	85	<1	47	12	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3194	0.4	240	<1	8	<1	86	<1	38	5	<1
3195	0.4	630	<1	59	<1	110	<1	75	38	<1
3196	0.2	600	<1	34	<1	59	2	13	28	<1
3197	0.2	830	<1	47	<1	113	<1	25	31	<1
3198	0.7	830	<1	19	<1	115	<1	71	15	<1
3199	0.4	220	<1	13	<1	156	<1	74	10	<1
3200	0.8	210	<1	120	<1	145	<1	100	77	<1
3201	0.4	440	<1	177	<1	146	<1	82	94	<1
3202	0.8	490	<1	199	<1	194	1	150	126	<1
3203	4.3	190	<1	57	<1	225	<1	93	38	3
3204	0.8	50	<1	207	<1	94	<1	59	134	<1
3205	0.8	40	<1	12	<1	194	<1	58	10	<1
3206	2.8	370	<1	51	<1	155	<1	75	54	1
3207	2.2	340	<1	27	<1	238	<1	66	28	<1
3208	3.3	320	<1	21	<1	292	<1	47	19	<1
3209	3.4	170	<1	3	<1	165	<1	17	2	<1
3210	3.3	190	<1	55	<1	428	1	68	35	2
3211	3.3	170	<1	3	<1	32	<1	46	3	2
3212	0.2	600	<1	94	<1	171	<1	22	60	<1
3213	0.3	170	<1	118	<1	100	<1	35	70	<1
3214	<0.1	80	<1	4	<1	25	<1	8	7	<1
3215	0.2	230	<1	64	<1	81	<1	27	38	<1
3216	<0.1	620	<1	7	<1	72	2	6	9	<1
3217	0.2	650	<1	24	<1	77	3	13	26	<1
3218	0.1	740	<1	14	<1	112	2	12	15	<1
3219	<0.1	830	<1	10	<1	38	<1	9	13	<1
3220	0.1	570	<1	32	<1	127	<1	16	33	<1
3221	0.2	590	<1	22	<1	87	1	9	19	<1
3222	0.2	490	<1	44	<1	98	1	19	29	<1
3223	4.0	230	<1	171	<1	140	<1	64	113	2
3224	2.1	170	<1	34	<1	127	<1	51	26	1
3225	1.5	90	<1	116	<1	59	<1	60	68	<1
*Rep 3160	0.3	260	<1	19	<1	102	<1	14	21	<1
*Rep 3168	1.0	440	<1	137	<1	165	2	58	80	<1
*Rep 3178	0.3	60	<1	25	<1	156	<1	13	21	<1
*Rep 3202	0.8	530	<1	217	<1	211	1	160	134	<1
*Rep 3210	4.0	270	<1	97	<1	371	1	101	63	2
*Rep 3219	<0.1	750	<1	13	<1	39	1	8	15	<1
*Std MMISRM16	0.3	80	30	2	<1	336	<1	9	4	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Std MMISRM16	0.3	80	27	2	<1	321	<1	9	4	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3151	1860	<1	7	<10	163	231	0.6	81	2	158
3152	2350	<1	5	<10	53.7	99	0.7	556	2	156
3153	1220	<1	1	<10	33.6	28	<0.5	11	<1	40
3154	1070	<1	2	<10	38.1	26	<0.5	35	<1	74
3155	1030	1	8	<10	284	1570	1.1	60	4	174
3156	40	<1	1	<10	14.2	1480	<0.5	3	<1	30
3157	2250	<1	4	<10	70.4	94	<0.5	91	<1	104
3158	580	<1	1	<10	26.6	57	<0.5	96	5	46
3159	780	<1	2	<10	23.8	62	0.6	25	3	65
3160	430	<1	3	<10	42.2	26	0.7	18	<1	79
3161	430	<1	2	<10	26.3	12	<0.5	7	<1	50
3162	350	<1	2	<10	12.0	27	<0.5	4	<1	52
3163	800	<1	4	<10	22.5	6	<0.5	11	<1	84
3164	1020	<1	12	<10	93.5	25	<0.5	15	<1	359
3165	700	<1	7	<10	52.5	13	0.6	12	<1	163
3166	450	<1	2	<10	13.9	8	<0.5	4	<1	51
3167	790	1	13	<10	220	2650	1.0	97	3	385
3168	560	<1	11	<10	188	1610	<0.5	84	3	252
3169	1220	<1	9	<10	252	181	0.6	41	2	205
3170	1540	<1	5	<10	69.2	15	<0.5	18	<1	126
3171	570	<1	9	<10	118	75	<0.5	23	<1	237
3172	1450	<1	6	<10	94.5	29	<0.5	76	<1	137
3173	2160	<1	5	<10	71.4	145	<0.5	137	1	163
3174	2540	<1	3	<10	61.8	51	<0.5	28	1	72
3175	3540	<1	3	<10	59.3	17	<0.5	101	<1	59
3176	1630	<1	4	<10	41.5	28	<0.5	110	<1	99
3177	650	<1	12	<10	222	420	1.0	36	2	311
3178	500	<1	4	<10	22.6	28	<0.5	16	<1	135
3179	590	<1	3	<10	24.4	31	0.5	7	<1	76
3180	660	<1	3	<10	42.2	25	<0.5	10	<1	82
3181	1110	<1	5	<10	49.4	39	<0.5	61	<1	101
3182	2130	<1	4	<10	93.5	67	<0.5	55	1	86
3183	750	<1	4	<10	83.0	201	<0.5	58	1	140
3184	310	<1	3	<10	8.8	27	0.9	47	<1	125
3185	120	<1	8	<10	71.9	562	0.6	28	1	189
3186	670	<1	10	<10	101	118	<0.5	14	<1	231
3187	220	4	2	<10	62.3	8230	0.7	9	1	41
3188	30	<1	5	<10	30.6	2910	<0.5	9	<1	98
3189	1740	<1	11	<10	132	97	<0.5	21	<1	251
3190	1340	<1	7	<10	177	486	0.5	79	2	162
3191	1440	<1	8	<10	206	794	<0.5	30	2	176
3192	1690	<1	5	<10	152	177	<0.5	96	1	111
3193	950	<1	2	<10	48.2	272	0.7	361	1	94

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3194	1340	<1	<1	<10	30.4	384	0.7	264	1	52
3195	880	<1	6	<10	98.6	358	0.6	301	2	175
3196	1390	<1	4	<10	69.5	82	<0.5	37	2	95
3197	1050	<1	4	<10	151	174	<0.5	44	1	86
3198	560	<1	3	<10	71.1	555	<0.5	151	1	178
3199	640	<1	2	<10	61.9	593	1.0	238	1	75
3200	490	<1	11	<10	135	965	0.6	51	2	255
3201	930	<1	13	<10	238	677	<0.5	74	1	321
3202	600	<1	18	<10	245	1550	0.7	61	4	459
3203	260	3	6	<10	137	7420	0.9	22	4	120
3204	910	<1	19	<10	139	652	<0.5	23	1	451
3205	640	<1	3	<10	47.4	528	0.7	14	<1	144
3206	210	1	11	<10	96.4	3870	<0.5	13	2	321
3207	30	<1	5	<10	89.0	2570	0.7	10	1	123
3208	110	<1	3	<10	68.7	2200	0.6	8	<1	62
3209	30	<1	<1	<10	16.7	862	1.1	3	<1	12
3210	900	3	5	<10	173	11400	1.3	20	5	115
3211	20	1	<1	<10	16.0	3940	<0.5	4	<1	24
3212	1400	<1	8	<10	179	112	0.6	45	2	188
3213	1080	<1	9	<10	141	170	<0.5	58	2	204
3214	2620	<1	2	<10	18.2	19	<0.5	62	<1	47
3215	1520	<1	5	<10	130	107	<0.5	103	<1	112
3216	1540	<1	2	<10	25.9	35	<0.5	42	1	50
3217	2280	<1	4	<10	68.9	85	<0.5	130	2	100
3218	4700	<1	2	<10	63.6	77	0.6	52	2	63
3219	4780	<1	3	<10	41.4	43	<0.5	45	2	76
3220	2840	<1	5	<10	87.8	75	<0.5	55	1	123
3221	950	<1	3	<10	79.0	90	<0.5	41	2	74
3222	960	<1	4	<10	68.6	44	0.6	53	<1	107
3223	170	2	15	<10	123	2840	0.8	18	2	275
3224	60	<1	4	<10	66.7	1490	0.7	9	<1	59
3225	490	<1	9	<10	119	1310	<0.5	21	1	208
*Rep 3160	460	<1	3	<10	48.3	28	0.6	17	<1	83
*Rep 3168	570	<1	10	<10	214	1500	<0.5	73	3	222
*Rep 3178	740	<1	12	<10	24.8	27	1.2	30	2	88
*Rep 3202	620	<1	20	<10	261	1500	0.7	77	4	469
*Rep 3210	980	4	9	<10	293	15000	1.2	25	7	200
*Rep 3219	4510	<1	3	<10	45.0	48	<0.5	42	3	72
*Std MMISRM16	480	<1	<1	<10	23.9	11	<0.5	50	<1	9
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	6	<0.5	<1	<1	<5
*Std MMISRM16	450	<1	<1	<10	21.0	5	<0.5	49	<1	9

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Final : TO111203 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3151	18	70	165
3152	22	170	63
3153	5	120	35
3154	10	240	33
3155	18	180	379
3156	3	230	26
3157	13	640	67
3158	4	140	24
3159	10	140	46
3160	9	60	55
3161	4	50	32
3162	3	60	19
3163	7	90	18
3164	42	1150	74
3165	15	110	39
3166	4	140	15
3167	38	510	343
3168	22	280	249
3169	26	210	181
3170	17	1170	38
3171	30	1820	110
3172	20	510	57
3173	24	550	79
3174	10	260	34
3175	7	210	34
3176	12	210	25
3177	39	270	214
3178	10	140	18
3179	7	200	32
3180	8	390	38
3181	15	180	48
3182	10	110	75
3183	23	500	78
3184	8	180	12
3185	16	760	115
3186	23	380	88
3187	4	200	112
3188	7	240	60
3189	27	150	95
3190	18	550	143
3191	17	160	197
3192	13	340	110
3193	16	630	77

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Final : TO111203 Order: EXPL-005

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3194	13	250	62
3195	26	610	143
3196	12	80	110
3197	12	190	116
3198	33	420	96
3199	26	200	112
3200	27	390	186
3201	33	130	199
3202	56	250	389
3203	12	110	253
3204	44	540	117
3205	46	380	83
3206	27	1060	139
3207	11	190	143
3208	5	1290	114
3209	2	230	30
3210	12	150	259
3211	4	60	30
3212	23	120	90
3213	21	120	105
3214	7	240	19
3215	14	270	96
3216	7	60	26
3217	13	40	92
3218	10	70	58
3219	12	60	33
3220	16	40	53
3221	9	60	74
3222	13	90	52
3223	21	500	130
3224	5	330	105
3225	19	260	143
*Rep 3160	10	40	55
*Rep 3168	19	230	261
*Rep 3178	7	200	20
*Rep 3202	56	250	396
*Rep 3210	21	180	373
*Rep 3219	10	40	43
*Std MMISRM16	<1	260	19
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
*Std MMISRM16	<1	260	17

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Certificate of Analysis

Work Order: TO111398

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 26, 2010

P.O. No. : EXPL-006
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 13, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4301	13	23	<10	0.8	6570	<1	430	8	904	104
4302	11	25	10	0.2	6560	1	270	9	221	27
4303	6	25	<10	0.2	6640	<1	280	6	63	71
4304	8	20	<10	0.3	7890	<1	340	4	1190	110
4305	4	19	<10	0.2	4070	<1	250	3	18	9
4306	8	88	40	0.7	6360	<1	260	8	1550	147
4307	3	>300	50	<0.1	2830	1	20	9	82	19
4308	5	284	40	<0.1	890	<1	<10	18	91	17
4309	2	>300	70	<0.1	2650	4	<10	22	84	21
4310	<1	>300	80	<0.1	830	2	<10	20	91	19
4311	1	295	40	0.1	2780	<1	<10	10	188	20
4312	2	>300	90	<0.1	1580	1	<10	11	63	10
4313	<1	156	50	<0.1	780	1	10	15	26	9
4314	<1	113	30	<0.1	160	<1	20	12	23	8
4315	1	263	70	<0.1	350	2	<10	8	26	9
4316	2	95	<10	0.1	3960	<1	20	13	248	39
4317	2	>300	40	<0.1	16000	<1	<10	8	782	53
4318	3	131	40	<0.1	2690	<1	<10	6	31	8
4319	2	267	40	<0.1	1300	<1	<10	12	59	14
4320	5	275	30	<0.1	870	<1	<10	7	183	15
4321	10	84	<10	<0.1	80	<1	<10	17	110	16
4322	2	>300	20	<0.1	2410	<1	<10	10	24	26
4323	2	210	20	<0.1	3530	<1	<10	5	379	29
4324	2	>300	20	<0.1	4690	<1	<10	12	56	108
4325	3	42	<10	0.1	2200	<1	230	1	<5	25
4326	14	65	<10	0.2	4850	<1	470	13	71	209
4327	1	>300	40	<0.1	2090	<1	20	3	97	8
4328	1	130	<10	<0.1	70	<1	<10	22	79	24
4329	5	241	30	<0.1	1140	<1	<10	9	44	19
4330	3	>300	30	<0.1	1300	<1	<10	7	121	12
4331	4	>300	20	<0.1	2110	<1	<10	30	55	32
4332	3	>300	10	<0.1	3250	<1	<10	11	51	33
4333	4	288	20	<0.1	1640	<1	<10	23	68	35
4334	4	>300	30	<0.1	6300	<1	<10	9	835	106
4335	2	>300	70	<0.1	4050	<1	20	16	149	50
4336	5	253	<10	<0.1	3600	<1	<10	13	90	39
4337	2	281	20	<0.1	5040	<1	<10	16	103	76
4338	3	259	20	<0.1	5100	<1	<10	10	135	43
4339	6	>300	30	<0.1	3110	<1	10	18	34	18
4340	4	>300	20	<0.1	3960	<1	<10	6	168	40
4341	11	>300	10	<0.1	4140	<1	<10	9	167	37
4342	3	269	10	<0.1	4560	<1	<10	13	49	36
4343	5	>300	<10	<0.1	2370	<1	<10	9	170	20

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
4344	4	299	<10	<0.1	560	<1	<10	12	7	33
4345	8	271	10	<0.1	1440	<1	<10	13	153	40
4346	1	>300	40	<0.1	1990	<1	<10	5	72	11
4347	3	287	10	<0.1	2070	<1	<10	12	49	57
4348	4	281	10	<0.1	2270	<1	10	14	8	26
4349	3	77	10	<0.1	1490	<1	250	4	438	16
4350	3	80	<10	0.1	1890	<1	280	5	170	10
4351	3	26	<10	0.1	2290	<1	280	2	10	5
4352	12	94	<10	0.1	3050	<1	400	14	11	30
4353	7	45	<10	0.1	3570	<1	310	5	19	33
4354	13	17	20	0.2	5680	<1	240	7	174	37
4355	3	139	20	<0.1	3210	<1	240	24	416	154
4356	6	58	<10	0.2	2560	<1	370	10	186	152
4357	7	82	<10	0.1	3350	<1	370	18	403	237
4358	3	42	<10	0.1	3810	<1	330	12	118	113
4359	8	68	10	0.2	6020	<1	340	7	643	102
4360	5	42	<10	0.6	4920	<1	310	4	32	39
4361	9	59	<10	0.2	3810	<1	350	11	51	190
4362	10	111	<10	0.1	4120	<1	380	20	494	231
4363	8	107	<10	<0.1	3610	<1	320	17	343	211
4364	1	>300	40	<0.1	2810	<1	20	14	121	11
4365	1	>300	20	<0.1	1490	<1	10	3	75	19
4366	1	>300	30	<0.1	940	<1	<10	9	49	26
4367	2	>300	30	<0.1	1020	<1	<10	3	78	18
4368	1	>300	20	<0.1	<10	<1	<10	3	12	13
4369	3	267	80	<0.1	1420	3	10	13	56	14
4370	5	101	30	0.6	520	<1	<10	7	25	<5
4371	2	295	30	<0.1	770	<1	<10	13	156	23
4372	5	194	70	<0.1	500	<1	<10	9	29	<5
4373	2	>300	60	<0.1	1090	<1	<10	6	65	11
4374	3	250	20	<0.1	2230	<1	<10	12	266	25
4375	3	252	20	<0.1	1550	<1	<10	7	123	35
*Rep 4301	12	21	<10	0.4	9130	<1	460	5	1090	109
*Rep 4320	3	>300	50	<0.1	1320	<1	<10	6	161	12
*Rep 4334	4	>300	30	<0.1	6280	<1	<10	10	584	95
*Rep 4343	7	>300	10	<0.1	1430	<1	<10	5	62	15
*Rep 4360	5	44	<10	0.3	5020	<1	330	4	29	32
*Rep 4370	5	88	20	<0.1	390	<1	<10	8	9	<5
*Std MMISRM16	18	45	20	30.9	70	<1	200	5	38	67
*Std AMIS0169	9	80	30	0.4	770	<1	50	3	879	170
*Blk BLANK	<1	<1	<10	<0.1	<10	1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4301	<100	1.0	4750	41	22.2	15.3	57	36	66	<1
4302	<100	2.2	6960	20	12.4	5.6	45	37	28	<1
4303	<100	0.6	2140	14	9.1	3.2	7	34	17	2
4304	<100	0.8	6350	48	27.1	18.4	76	41	84	<1
4305	<100	<0.5	940	9	5.0	2.2	6	24	12	<1
4306	300	1.5	2920	55	29.6	20.4	79	41	85	<1
4307	200	4.2	160	6	2.8	2.3	155	123	7	<1
4308	100	6.9	140	9	4.6	3.2	67	48	9	1
4309	300	4.1	190	5	2.2	1.6	219	128	5	1
4310	200	2.8	100	6	3.0	2.4	199	183	7	2
4311	200	6.2	130	15	6.0	5.5	119	57	18	<1
4312	200	3.6	180	5	2.1	2.0	160	118	6	1
4313	<100	0.8	60	2	1.0	0.8	29	48	2	<1
4314	<100	1.2	60	2	1.1	0.7	40	38	2	<1
4315	100	1.8	100	2	1.1	1.1	81	128	3	<1
4316	<100	5.4	450	83	35.4	31.6	14	29	131	<1
4317	200	4.4	350	39	15.5	9.9	69	105	40	<1
4318	100	1.4	80	3	1.5	1.0	31	53	3	<1
4319	100	4.1	140	10	5.8	3.4	86	88	11	<1
4320	100	6.8	140	15	7.0	6.5	60	41	21	<1
4321	<100	6.3	120	31	18.3	10.0	14	7	37	<1
4322	200	2.8	160	4	3.2	0.8	258	56	3	<1
4323	100	7.1	140	81	36.3	37.0	62	40	149	<1
4324	<100	7.2	370	7	4.4	1.3	89	38	5	<1
4325	<100	3.6	280	5	2.1	2.5	4	16	10	<1
4326	<100	2.0	750	8	3.6	2.7	11	30	12	<1
4327	600	4.4	100	8	3.6	2.8	38	139	9	1
4328	<100	10.1	90	16	8.7	5.6	33	15	20	<1
4329	<100	4.7	160	7	4.1	2.0	158	42	6	<1
4330	200	5.3	180	11	5.6	3.7	146	55	12	<1
4331	100	5.6	260	6	4.1	1.4	131	49	5	<1
4332	<100	2.6	100	8	5.7	2.1	113	49	7	<1
4333	100	2.5	180	8	5.3	2.0	140	43	7	<1
4334	300	4.3	410	30	12.6	9.7	153	54	34	<1
4335	800	4.1	160	11	5.3	4.4	278	186	13	2
4336	<100	8.2	340	20	12.3	3.1	52	32	13	<1
4337	100	7.0	230	17	11.3	2.2	167	49	9	<1
4338	100	7.9	190	14	9.8	2.7	136	44	11	<1
4339	200	2.3	250	5	3.0	1.0	256	62	4	<1
4340	100	5.3	230	22	11.8	3.5	72	38	16	<1
4341	200	7.1	310	20	11.4	4.0	121	54	17	<1
4342	100	7.2	140	10	7.0	1.4	144	52	6	<1
4343	200	6.4	630	22	11.3	5.2	133	76	20	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4344	<100	1.1	230	2	1.5	<0.5	165	19	1	<1
4345	100	7.8	270	22	11.3	3.9	67	25	17	<1
4346	200	3.3	230	6	3.0	1.9	183	97	6	<1
4347	<100	5.5	240	7	5.3	1.3	85	34	5	<1
4348	<100	0.9	260	2	1.5	<0.5	230	26	<1	<1
4349	<100	2.3	160	11	4.6	4.9	33	14	19	<1
4350	<100	1.4	370	16	7.0	6.5	17	15	26	<1
4351	<100	1.4	390	5	2.0	2.3	5	16	9	<1
4352	<100	0.7	950	10	5.7	2.5	6	20	12	<1
4353	<100	<0.5	1170	7	3.5	2.1	8	22	10	<1
4354	<100	<0.5	5670	17	9.6	5.1	34	34	25	<1
4355	100	3.2	460	25	12.3	8.3	115	27	35	<1
4356	<100	1.0	1360	11	5.3	4.2	31	18	18	<1
4357	100	0.6	1410	18	9.6	6.4	44	21	28	<1
4358	<100	<0.5	570	8	4.2	2.3	15	24	11	<1
4359	200	1.4	2180	25	12.8	10.4	67	38	43	<1
4360	<100	0.6	770	12	6.7	3.2	12	31	16	<1
4361	<100	<0.5	1250	10	5.8	2.3	12	24	12	<1
4362	200	1.0	2500	26	15.9	8.1	43	27	37	<1
4363	200	1.4	2020	23	15.7	5.8	62	24	27	<1
4364	600	3.0	90	10	5.2	3.5	57	132	11	<1
4365	500	5.1	50	12	7.0	3.4	38	160	11	<1
4366	300	2.5	60	5	2.3	1.9	87	120	5	<1
4367	200	9.6	70	5	2.3	1.8	205	49	6	<1
4368	100	3.5	50	3	1.3	0.9	152	81	2	<1
4369	300	2.5	210	7	3.8	2.6	88	155	7	<1
4370	<100	2.0	80	2	1.2	0.7	22	35	2	<1
4371	200	8.0	170	18	8.2	6.0	75	42	19	<1
4372	100	2.4	110	4	2.0	1.5	40	83	4	<1
4373	200	1.9	60	7	3.6	2.6	139	119	7	1
4374	100	5.9	240	24	9.9	6.9	63	26	27	<1
4375	<100	5.7	220	14	8.9	2.8	115	23	11	<1
*Rep 4301	<100	0.9	5650	47	25.5	17.3	63	49	76	<1
*Rep 4320	100	5.5	130	11	5.3	4.6	92	57	15	<1
*Rep 4334	300	4.4	370	23	9.8	7.2	138	50	25	<1
*Rep 4343	100	4.7	470	5	2.8	1.2	175	44	5	<1
*Rep 4360	<100	0.6	770	12	6.8	3.3	12	30	16	1
*Rep 4370	<100	1.7	70	2	0.9	0.6	17	22	2	<1
*Std MMISRM16	<100	13.0	760	3	1.2	1.3	2	3	5	19
*Std AMISO169	200	9.7	5520	35	14.8	13.2	60	21	61	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4301	<0.5	13.5	354	8	80	1710	5	3.7	432	85
4302	<0.5	22.3	93	19	74	1100	37	5.7	126	120
4303	<0.5	13.5	12	14	101	310	<5	0.7	48	61
4304	<0.5	18.1	491	15	69	2010	25	4.9	561	96
4305	<0.5	12.0	10	14	92	360	<5	<0.5	30	41
4306	<0.5	13.4	587	<5	53	7710	33	13.6	569	156
4307	<0.5	10.5	44	10	4	640	6	18.6	36	37
4308	<0.5	7.6	38	<5	<1	920	<5	5.2	43	33
4309	<0.5	11.1	47	12	3	550	8	31.8	29	46
4310	0.5	11.7	35	14	2	230	8	27.9	32	41
4311	<0.5	8.0	64	<5	<1	220	5	8.3	81	34
4312	<0.5	8.3	34	14	2	400	7	19.0	27	37
4313	<0.5	11.9	11	<5	1	190	<5	5.6	11	39
4314	<0.5	11.2	9	<5	2	290	6	8.6	11	19
4315	<0.5	9.0	11	6	2	160	6	14.6	11	18
4316	<0.5	15.2	250	<5	1	2270	5	3.0	569	43
4317	<0.5	15.9	269	6	3	540	<5	13.9	197	54
4318	<0.5	8.3	20	<5	1	130	<5	6.8	16	15
4319	<0.5	10.6	21	<5	<1	650	5	14.5	40	32
4320	<0.5	7.7	71	<5	<1	410	8	4.9	94	20
4321	<0.5	12.3	39	<5	<1	140	<5	<0.5	128	27
4322	<0.5	15.4	8	11	3	220	<5	20.2	11	86
4323	<0.5	11.2	543	<5	<1	1410	7	7.9	792	31
4324	<0.5	13.5	25	<5	<1	60	<5	3.6	25	106
4325	<0.5	9.7	17	<5	52	170	<5	<0.5	44	32
4326	<0.5	14.8	30	<5	110	8110	<5	<0.5	54	199
4327	<0.5	7.5	52	5	5	260	5	36.3	43	59
4328	<0.5	9.4	23	<5	<1	160	<5	1.6	64	41
4329	<0.5	7.5	27	<5	<1	460	<5	8.2	27	25
4330	<0.5	10.3	66	<5	<1	140	<5	13.5	59	40
4331	<0.5	14.5	25	<5	2	520	<5	11.1	23	57
4332	<0.5	21.5	25	<5	<1	400	<5	7.2	27	52
4333	<0.5	12.7	25	<5	1	310	<5	12.2	30	63
4334	<0.5	9.1	164	8	1	5360	5	13.1	164	62
4335	0.5	10.9	85	16	6	2590	6	58.9	65	163
4336	<0.5	15.8	22	<5	<1	320	<5	12.0	39	45
4337	<0.5	17.9	25	<5	3	2230	<5	17.1	31	92
4338	<0.5	14.8	46	<5	<1	460	<5	9.0	48	58
4339	<0.5	16.0	12	9	4	320	<5	21.5	14	85
4340	<0.5	18.3	41	6	<1	330	<5	13.4	51	46
4341	<0.5	22.2	49	8	2	240	<5	18.0	58	62
4342	<0.5	28.5	14	<5	1	730	<5	13.7	21	70
4343	<0.5	19.2	80	9	1	110	6	21.9	80	79

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4344	<0.5	13.0	1	<5	1	70	<5	7.0	5	38
4345	<0.5	13.0	51	11	2	140	<5	9.3	60	51
4346	<0.5	17.0	43	14	3	130	6	24.5	28	36
4347	<0.5	46.7	25	5	1	140	<5	6.7	22	67
4348	<0.5	31.6	<1	<5	4	390	<5	8.2	3	81
4349	<0.5	7.0	133	<5	42	1960	<5	3.7	125	73
4350	<0.5	8.1	92	<5	64	570	<5	1.7	126	64
4351	<0.5	7.1	16	8	79	460	<5	<0.5	41	55
4352	<0.5	18.7	24	26	93	3510	<5	<0.5	43	196
4353	<0.5	21.0	14	42	85	1140	8	<0.5	36	172
4354	<0.5	24.3	70	9	82	2420	66	2.6	116	163
4355	<0.5	5.0	176	<5	30	15500	<5	5.4	190	253
4356	<0.5	9.1	77	<5	80	15000	5	1.6	104	240
4357	<0.5	14.9	153	<5	80	15300	6	2.6	175	241
4358	<0.5	15.0	22	16	77	16100	8	0.7	47	136
4359	<0.5	17.2	351	<5	68	3540	<5	9.4	298	115
4360	<0.5	15.5	22	<5	95	1340	<5	0.7	55	61
4361	<0.5	28.1	21	29	106	8240	20	0.6	43	252
4362	<0.5	13.1	240	<5	72	10000	5	3.8	233	450
4363	<0.5	11.3	160	<5	64	11500	7	3.7	158	393
4364	<0.5	7.6	69	<5	4	320	6	60.4	53	61
4365	<0.5	6.9	39	<5	2	200	<5	40.1	42	89
4366	<0.5	10.2	29	<5	2	200	<5	31.5	24	72
4367	<0.5	7.9	43	<5	<1	50	6	16.3	32	64
4368	<0.5	10.1	7	<5	<1	40	<5	8.5	9	76
4369	<0.5	11.9	35	10	3	240	6	57.6	33	90
4370	<0.5	8.2	16	<5	3	180	<5	8.9	14	19
4371	<0.5	10.3	55	<5	<1	1190	6	9.3	75	35
4372	<0.5	10.2	15	5	2	180	<5	12.8	16	20
4373	<0.5	8.7	41	<5	<1	140	6	19.2	32	75
4374	<0.5	9.9	118	<5	<1	60	<5	4.4	121	94
4375	<0.5	9.1	58	<5	<1	40	<5	5.2	53	57
*Rep 4301	<0.5	14.3	426	7	90	1920	6	3.9	508	88
*Rep 4320	<0.5	8.4	65	<5	<1	270	5	7.6	72	21
*Rep 4334	<0.5	8.8	122	7	1	4100	6	10.8	119	57
*Rep 4343	<0.5	14.8	34	6	<1	30	<5	16.4	22	90
*Rep 4360	<0.5	15.7	20	<5	96	1160	<5	0.7	54	60
*Rep 4370	<0.5	7.8	3	<5	1	150	<5	5.5	7	15
*Std MMISRM16	<0.5	39.6	10	<5	33	110	55	<0.5	25	248
*Std AMISO169	<0.5	52.2	476	<5	38	5410	7	5.5	418	687
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5
*Bik BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4301	0.3	220	<1	115	<1	85	<1	29	72	<1
4302	0.5	940	1	31	<1	158	5	15	25	<1
4303	<0.1	150	<1	9	<1	88	<1	10	12	<1
4304	0.3	340	1	148	<1	109	3	23	91	<1
4305	<0.1	20	<1	6	<1	89	<1	5	8	<1
4306	1.0	650	1	157	<1	159	1	61	92	<1
4307	4.3	380	<1	10	<1	115	1	31	7	6
4308	4.0	430	<1	11	<1	121	1	38	9	1
4309	8.4	370	<1	9	<1	88	1	35	5	8
4310	6.8	380	<1	9	<1	41	2	35	7	8
4311	2.9	280	<1	22	<1	126	1	53	19	2
4312	6.2	390	<1	8	<1	90	2	31	6	5
4313	7.1	120	<1	3	<1	30	<1	10	2	4
4314	3.5	160	<1	3	<1	55	<1	9	2	6
4315	4.4	230	<1	3	<1	56	1	17	3	7
4316	0.7	230	<1	121	<1	239	<1	72	131	<1
4317	4.7	460	1	57	<1	220	1	149	40	1
4318	6.8	120	<1	5	<1	58	<1	14	3	5
4319	4.2	500	<1	9	<1	87	1	39	11	5
4320	2.8	370	<1	24	<1	124	1	48	21	1
4321	0.2	460	<1	25	<1	233	<1	43	33	<1
4322	5.8	250	<1	3	<1	212	<1	32	3	3
4323	1.4	200	<1	190	<1	150	<1	76	160	<1
4324	3.3	210	<1	7	<1	263	<1	22	6	<1
4325	0.1	<10	<1	9	<1	157	<1	7	11	<1
4326	<0.1	10	<1	12	<1	179	<1	8	12	<1
4327	10.8	230	<1	12	<1	85	<1	47	9	7
4328	0.4	400	<1	13	<1	182	<1	42	18	<1
4329	1.8	230	<1	7	<1	89	<1	34	6	1
4330	2.3	150	<1	16	<1	178	<1	46	13	3
4331	3.7	330	<1	6	<1	200	<1	33	5	1
4332	1.9	330	<1	7	<1	202	<1	37	6	<1
4333	3.1	160	<1	8	<1	163	<1	36	7	2
4334	6.7	310	<1	45	<1	173	1	74	37	1
4335	13.9	180	<1	18	<1	91	<1	69	14	7
4336	0.9	390	<1	9	<1	328	<1	52	10	<1
4337	2.3	320	<1	8	<1	293	<1	43	8	2
4338	1.6	180	<1	13	<1	436	<1	46	11	<1
4339	7.4	190	<1	4	<1	219	<1	28	3	3
4340	2.6	390	<1	13	<1	290	<1	55	13	<1
4341	2.8	330	<1	14	<1	343	<1	69	13	2
4342	4.4	260	<1	5	<1	427	<1	37	5	1
4343	2.9	250	<1	20	<1	419	<1	77	18	4

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4344	2.9	80	<1	1	<1	114	<1	17	1	<1
4345	1.6	310	<1	16	<1	340	<1	53	15	<1
4346	8.3	270	<1	8	<1	200	1	37	6	8
4347	1.4	300	<1	6	<1	274	<1	37	5	<1
4348	2.8	60	<1	<1	<1	93	<1	16	<1	<1
4349	1.1	20	<1	34	<1	179	<1	12	21	<1
4350	0.3	30	<1	30	<1	163	<1	18	26	<1
4351	0.1	<10	<1	9	<1	130	<1	7	10	<1
4352	0.1	50	<1	10	<1	130	<1	10	10	<1
4353	0.1	20	<1	8	<1	48	<1	6	9	<1
4354	0.3	750	<1	26	<1	147	4	10	23	<1
4355	1.8	100	<1	50	<1	108	<1	47	36	<1
4356	0.4	30	<1	26	<1	133	<1	12	19	<1
4357	0.4	50	<1	45	<1	101	<1	20	30	<1
4358	0.3	20	<1	11	<1	88	<1	12	10	<1
4359	0.8	390	<1	81	<1	166	<1	30	47	<1
4360	0.2	20	<1	12	<1	176	<1	17	13	<1
4361	0.2	50	<1	9	<1	30	<1	9	10	<1
4362	0.4	120	<1	62	<1	167	<1	37	39	<1
4363	0.5	170	<1	43	<1	172	<1	44	28	<1
4364	15.5	260	<1	15	<1	79	<1	64	11	7
4365	10.1	290	<1	10	<1	105	<1	68	10	4
4366	8.4	240	<1	6	<1	52	<1	33	5	7
4367	4.1	70	<1	9	<1	149	<1	25	6	2
4368	4.1	90	<1	2	<1	71	<1	18	2	<1
4369	10.3	360	<1	9	<1	69	1	40	7	24
4370	5.2	130	<1	4	<1	51	<1	12	2	6
4371	3.8	440	<1	18	<1	123	1	57	20	2
4372	7.8	150	<1	4	<1	63	1	19	4	10
4373	9.4	200	<1	9	<1	71	1	30	7	7
4374	1.4	180	<1	31	<1	200	<1	44	27	<1
4375	1.3	280	<1	15	<1	184	<1	32	11	<1
*Rep 4301	0.4	310	<1	137	<1	88	<1	37	83	<1
*Rep 4320	3.9	350	<1	20	<1	112	1	38	16	2
*Rep 4334	6.1	300	<1	33	<1	180	1	63	27	<1
*Rep 4343	3.2	70	<1	7	<1	236	<1	40	4	4
*Rep 4360	0.2	20	<1	11	<1	183	<1	18	13	<1
*Rep 4370	4.9	130	<1	2	<1	48	<1	10	1	4
*Std MMISRM16	0.3	70	29	6	<1	331	<1	8	6	<1
*Std AMISO169	3.8	130	<1	115	<1	318	1	82	71	1
*Blk BLANK	<0.1	<10	<1	2	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4301	1300	<1	9	<10	166	157	<0.5	37	1	193
4302	650	<1	4	<10	75.0	608	<0.5	33	2	111
4303	910	<1	2	<10	24.6	24	<0.5	19	<1	60
4304	900	<1	11	<10	188	222	<0.5	40	3	270
4305	710	<1	2	<10	11.3	8	<0.5	10	<1	53
4306	480	<1	12	<10	217	989	<0.5	45	3	290
4307	110	1	1	<10	39.0	5700	<0.5	6	1	29
4308	40	<1	2	<10	38.6	1200	<0.5	7	<1	43
4309	150	2	<1	<10	66.3	8070	<0.5	6	2	22
4310	40	2	1	<10	64.6	7230	<0.5	8	2	28
4311	50	<1	3	<10	37.4	2050	<0.5	10	<1	56
4312	90	1	<1	<10	46.3	5590	<0.5	6	1	22
4313	130	<1	<1	<10	15.7	1500	<0.5	4	<1	11
4314	140	<1	<1	<10	24.0	2760	<0.5	3	<1	10
4315	100	1	<1	<10	22.4	4430	<0.5	3	1	12
4316	60	<1	18	<10	21.2	695	<0.5	10	<1	428
4317	140	<1	7	<10	170	2550	<0.5	15	<1	153
4318	110	<1	<1	<10	13.9	2020	<0.5	3	<1	16
4319	60	1	2	<10	18.8	4130	<0.5	6	<1	47
4320	40	<1	3	<10	18.6	1080	<0.5	7	<1	79
4321	<10	<1	6	<10	3.3	22	<0.5	4	<1	223
4322	110	1	<1	<10	22.8	5490	<0.5	5	1	25
4323	90	<1	19	<10	38.6	1620	<0.5	13	<1	447
4324	130	<1	<1	<10	24.0	770	<0.5	4	<1	31
4325	690	<1	1	<10	4.0	11	<0.5	14	<1	27
4326	820	<1	2	<10	13.6	4	<0.5	36	<1	47
4327	150	2	1	<10	34.6	9030	<0.5	9	2	40
4328	<10	<1	3	<10	13.1	354	<0.5	6	<1	101
4329	60	<1	1	<10	17.4	1980	<0.5	4	<1	40
4330	80	<1	2	<10	24.7	3870	<0.5	6	<1	60
4331	110	<1	<1	<10	25.2	2820	<0.5	5	<1	35
4332	90	<1	1	<10	15.5	1770	<0.5	4	<1	53
4333	100	<1	1	<10	21.6	3150	<0.5	5	<1	50
4334	60	<1	6	<10	141	2060	<0.5	17	1	109
4335	310	4	2	<10	65.8	10900	<0.5	11	2	57
4336	70	<1	3	<10	24.7	3620	<0.5	6	<1	134
4337	150	<1	2	<10	33.7	4930	<0.5	7	1	108
4338	70	<1	2	<10	31.5	2220	<0.5	6	<1	87
4339	150	1	<1	<10	22.0	5560	<0.5	5	1	27
4340	70	<1	3	<10	43.2	3780	<0.5	8	<1	125
4341	110	1	3	<10	40.4	5250	<0.5	8	1	136
4342	120	<1	1	<10	23.9	3560	<0.5	6	<1	67
4343	90	2	4	<10	52.8	6980	<0.5	13	2	131

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4344	90	<1	<1	<10	10.8	1760	<0.5	3	<1	10
4345	50	<1	3	<10	43.5	2100	<0.5	8	<1	113
4346	90	2	1	<10	34.4	7590	<0.5	9	2	31
4347	100	<1	<1	<10	13.7	1560	<0.5	5	<1	46
4348	180	<1	<1	<10	14.2	1290	<0.5	3	<1	9
4349	380	<1	3	<10	46.1	421	<0.5	39	<1	59
4350	450	<1	3	<10	56.0	151	<0.5	22	<1	91
4351	680	<1	1	<10	8.5	9	<0.5	25	<1	31
4352	580	<1	2	<10	15.6	7	<0.5	144	<1	64
4353	1710	<1	1	<10	11.2	15	<0.5	76	<1	49
4354	1750	<1	3	<10	63.5	170	<0.5	77	2	101
4355	480	<1	5	<10	59.0	945	<0.5	32	<1	138
4356	700	<1	2	<10	45.1	19	<0.5	25	<1	69
4357	740	<1	4	<10	74.9	52	<0.5	39	<1	105
4358	780	<1	2	<10	32.8	21	<0.5	44	<1	44
4359	720	<1	6	<10	129	725	<0.5	27	1	140
4360	1000	<1	2	<10	32.0	19	<0.5	21	<1	61
4361	1630	<1	2	<10	24.5	35	<0.5	74	<1	61
4362	910	<1	5	<10	148	217	<0.5	183	<1	167
4363	830	<1	4	<10	90.6	228	<0.5	170	<1	147
4364	200	4	2	<10	66.4	8230	<0.5	15	1	53
4365	220	2	2	<10	41.2	6620	<0.5	8	<1	70
4366	210	2	<1	<10	32.0	6750	<0.5	8	<1	26
4367	90	1	1	<10	36.3	2530	<0.5	10	<1	22
4368	80	<1	<1	<10	12.9	1150	<0.5	5	<1	11
4369	200	5	1	<10	30.4	18000	<0.5	8	2	38
4370	110	<1	<1	<10	11.9	2550	<0.5	3	<1	13
4371	50	<1	3	<10	46.3	2280	<0.5	13	<1	79
4372	100	1	<1	<10	15.8	4120	<0.5	4	<1	21
4373	150	2	1	<10	28.3	5670	<0.5	10	1	36
4374	70	<1	5	<10	38.4	649	<0.5	8	<1	105
4375	70	<1	2	<10	30.4	1090	<0.5	6	<1	85
*Rep 4301	1510	<1	10	<10	184	161	<0.5	40	2	226
*Rep 4320	50	<1	2	<10	20.0	2010	<0.5	5	<1	54
*Rep 4334	60	<1	5	<10	112	1530	<0.5	14	<1	90
*Rep 4343	60	1	<1	<10	38.2	4960	<0.5	11	1	28
*Rep 4360	1040	<1	2	<10	34.0	14	<0.5	24	<1	62
*Rep 4370	70	<1	<1	<10	10.2	1440	<0.5	3	<1	11
*Std MMISRM16	490	<1	<1	<10	22.1	<3	<0.5	53	<1	14
*Std AMISO169	130	<1	8	<10	105	726	<0.5	37	2	174
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111398 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4301	20	60	137
4302	12	40	192
4303	9	260	23
4304	24	20	184
4305	4	190	19
4306	26	90	208
4307	2	290	66
4308	4	80	48
4309	2	210	91
4310	3	100	116
4311	5	100	63
4312	2	360	82
4313	<1	140	52
4314	<1	70	43
4315	1	240	57
4316	25	80	49
4317	11	500	332
4318	1	150	55
4319	6	190	56
4320	6	150	55
4321	14	120	8
4322	3	280	87
4323	27	50	50
4324	4	370	42
4325	1	20	5
4326	3	40	<5
4327	3	220	130
4328	7	150	22
4329	4	330	50
4330	5	160	84
4331	4	380	61
4332	5	190	42
4333	5	330	67
4334	10	1300	167
4335	4	460	165
4336	10	200	74
4337	9	680	88
4338	8	450	73
4339	2	410	85
4340	9	40	105
4341	9	210	123
4342	6	530	71
4343	9	130	157

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Final : TO111398 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4344	2	120	29
4345	9	170	80
4346	3	150	128
4347	5	470	34
4348	1	500	36
4349	4	20	42
4350	6	20	41
4351	2	20	10
4352	5	130	12
4353	3	<20	13
4354	9	<20	127
4355	9	460	71
4356	5	60	32
4357	9	150	53
4358	4	330	41
4359	11	100	143
4360	6	300	36
4361	5	160	28
4362	15	340	91
4363	14	530	95
4364	4	240	131
4365	6	180	99
4366	2	190	84
4367	2	110	73
4368	1	90	23
4369	3	360	119
4370	1	120	48
4371	7	300	70
4372	2	90	68
4373	3	120	100
4374	7	80	65
4375	7	80	54
*Rep 4301	24	40	130
*Rep 4320	4	170	61
*Rep 4334	8	1320	138
*Rep 4343	3	70	96
*Rep 4360	7	300	37
*Rep 4370	<1	100	40
*Std MMISRM16	1	280	18
*Std AMISO169	12	320	77
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111213

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 26, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 100
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3901	8	125	<10	0.2	2300	<1	380	14	1010	106
3902	4	204	10	0.1	1490	<1	170	3	818	98
3903	26	88	<10	0.2	3730	<1	430	7	748	69
3904	11	105	<10	0.1	2080	<1	370	9	687	46
3905	18	36	<10	0.2	4190	<1	440	12	832	80
3906	14	117	<10	0.3	2660	2	410	14	709	85
3907	19	73	<10	0.2	2630	<1	480	8	832	156
3908	6	145	<10	<0.1	1400	<1	320	3	646	69
3909	17	140	10	0.2	1940	2	280	29	1400	157
3910	11	33	<10	0.2	900	<1	450	10	30	84
3911	14	157	<10	0.2	4600	7	270	15	1530	133
3912	8	18	<10	0.3	800	<1	350	4	77	137
3913	3	>300	10	0.1	2380	<1	40	3	737	54
3914	<1	114	<10	0.4	2150	<1	320	4	555	52
3915	9	199	20	0.2	2270	1	210	2	1790	42
3916	2	292	10	0.7	2950	<1	10	2	892	72
3917	3	276	<10	<0.1	880	<1	<10	<1	66	26
3918	4	8	10	0.2	3110	<1	230	2	168	21
3919	21	26	10	0.3	2710	<1	350	21	111	110
3920	18	20	10	0.5	3490	<1	340	14	75	186
3921	4	12	<10	0.2	3120	<1	310	2	277	7
3922	15	13	<10	0.2	1520	<1	390	3	170	67
3923	4	7	10	0.6	1660	<1	220	3	208	28
3924	6	23	<10	0.1	1000	<1	330	5	26	85
3925	13	20	<10	0.3	1450	<1	400	3	18	199
3926	15	99	<10	0.2	1320	<1	340	14	428	25
3927	11	79	<10	0.1	880	<1	350	7	180	11
3928	4	129	<10	0.3	990	<1	360	8	202	26
3929	22	49	<10	<0.1	1090	<1	320	15	97	31
3930	1	277	<10	<0.1	460	<1	<10	<1	69	19
3931	4	>300	<10	0.1	1120	<1	10	7	537	48
3932	3	>300	20	<0.1	2800	<1	<10	3	659	53
3933	1	95	<10	0.3	1330	<1	260	2	382	36
3934	3	155	10	<0.1	880	<1	10	<1	197	82
3935	10	28	<10	0.3	930	<1	340	2	46	140
3936	10	24	<10	0.3	1180	<1	340	4	50	351
3937	8	254	<10	0.2	1430	5	90	47	534	84
3938	12	71	<10	0.2	2750	<1	430	12	901	224
3939	18	23	<10	0.3	2220	<1	490	11	900	329
3940	13	78	10	0.2	2210	1	360	5	1610	138
3941	<1	193	<10	<0.1	240	<1	60	<1	60	35
3942	8	16	<10	0.2	1180	<1	280	4	36	369
3943	13	27	10	0.2	2140	<1	320	8	178	37

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3944	3	85	<10	0.3	1370	<1	290	4	130	24
3945	14	64	<10	0.2	920	<1	380	9	48	199
3946	10	50	<10	0.2	1260	<1	430	5	59	39
3947	<1	>300	20	<0.1	550	<1	10	18	111	26
3948	5	103	<10	0.2	770	<1	430	12	145	101
3949	3	27	<10	0.2	1020	<1	310	2	<5	21
3950	2	13	<10	0.2	1080	<1	280	2	<5	6
3951	8	26	<10	0.3	1220	<1	350	3	13	74
3952	1	38	<10	0.2	1490	<1	440	4	37	18
3953	2	83	10	<0.1	770	<1	230	5	47	182
3954	11	27	10	0.1	3170	<1	370	6	479	62
3955	13	24	<10	0.2	3640	<1	420	4	360	96
3956	4	19	10	0.1	1290	<1	220	4	174	20
3957	13	29	<10	0.2	2580	<1	350	2	653	49
3958	16	26	<10	0.2	3420	<1	410	4	178	47
3959	<1	53	<10	0.3	1540	<1	220	3	126	20
3960	9	13	<10	0.3	890	<1	250	3	61	160
3961	4	282	<10	<0.1	1200	<1	<10	4	525	30
3962	5	253	<10	<0.1	1840	<1	<10	21	306	68
3963	10	96	<10	0.6	180	<1	280	5	131	8
3964	6	217	<10	<0.1	1220	<1	<10	19	245	39
3965	2	>300	40	<0.1	1030	<1	<10	8	94	13
3966	1	>300	20	0.1	3780	<1	<10	3	913	64
3967	2	118	10	0.2	1300	<1	130	3	1150	27
3968	1	243	<10	<0.1	1500	<1	<10	3	363	35
3969	5	117	<10	<0.1	1000	<1	20	8	288	20
3970	2	272	<10	<0.1	560	<1	<10	3	76	27
3971	9	124	<10	<0.1	950	<1	<10	5	436	18
3972	4	287	<10	<0.1	1730	<1	<10	5	334	44
3973	4	190	<10	<0.1	940	<1	<10	8	96	22
3974	2	273	<10	<0.1	890	<1	10	13	60	48
3975	8	96	<10	0.2	1090	<1	440	13	295	108
3976	3	164	10	0.1	850	<1	140	10	751	94
3977	7	58	<10	0.4	1120	<1	360	2	502	45
3978	19	74	<10	0.2	2210	<1	380	15	536	149
3979	2	244	<10	<0.1	630	<1	20	6	111	57
3980	5	15	<10	0.1	1250	<1	210	2	8	74
3981	6	34	<10	0.2	2050	<1	180	3	567	62
3982	3	110	<10	0.2	890	<1	320	15	134	157
3983	14	26	<10	0.2	1220	<1	450	8	47	226
3984	11	32	<10	0.2	960	<1	330	6	123	283
3985	14	15	10	0.2	2190	<1	260	9	33	67
3986	13	18	10	0.2	1930	<1	280	7	67	84

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3987	9	54	<10	0.3	1090	<1	390	12	119	55
3988	15	17	<10	0.3	1290	<1	280	7	199	39
3989	6	36	<10	0.4	900	<1	350	5	98	138
3990	17	16	20	0.1	2270	<1	240	6	59	50
3991	3	45	<10	0.3	1440	<1	410	3	397	52
3992	7	110	20	0.2	1810	<1	290	5	1170	112
3993	4	18	10	0.1	910	<1	240	4	66	70
3994	7	100	<10	0.2	1460	<1	320	9	549	87
3995	10	54	<10	0.2	1410	<1	440	8	389	150
3996	6	48	<10	0.1	1400	<1	330	6	486	106
3997	9	24	<10	0.3	2070	<1	300	4	399	48
3998	4	7	10	0.1	2230	<1	240	3	310	13
3999	6	21	<10	0.2	1370	<1	370	4	963	47
4000	13	22	<10	0.3	2010	<1	290	6	284	42
*Rep 3904	16	80	<10	0.2	2900	<1	400	10	615	50
*Rep 3915	9	252	10	0.2	2380	<1	140	2	1170	43
*Rep 3929	21	57	<10	<0.1	970	<1	320	16	88	38
*Rep 3942	11	24	<10	0.3	1480	<1	350	8	44	482
*Rep 3957	12	31	<10	0.3	2730	<1	400	2	488	57
*Rep 3971	12	128	<10	<0.1	790	<1	<10	5	352	19
*Rep 3991	10	20	<10	0.2	1350	<1	320	3	121	79
*Rep 3996	5	49	<10	0.1	1320	<1	320	5	613	87
*Std MMISRM16	24	65	20	28.3	50	<1	210	4	21	80
*Std AMIS0169	9	74	20	0.5	720	<1	40	2	857	140
*Std MMISRM18	23	27	10	8.9	150	<1	170	69	20	69
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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3901	100	<0.5	820	82	49.9	23.3	22	5	98	<1
3902	200	5.6	270	36	17.4	13.3	115	26	51	<1
3903	200	5.3	6450	38	22.9	12.1	29	6	50	<1
3904	100	2.7	3400	36	21.6	11.3	49	6	45	<1
3905	100	1.9	7110	39	22.7	13.2	40	5	55	<1
3906	200	3.6	6990	40	26.9	10.9	102	7	46	<1
3907	200	0.9	5010	52	34.5	15.0	35	5	68	<1
3908	200	2.3	1660	77	58.6	14.7	58	8	70	<1
3909	200	3.6	10300	96	81.5	20.3	212	10	92	<1
3910	<100	0.7	760	9	5.1	2.4	8	<1	11	<1
3911	400	7.1	7400	115	75.0	28.3	147	16	124	<1
3912	<100	0.8	750	13	6.9	3.3	7	<1	17	<1
3913	100	5.2	330	88	43.7	25.1	106	20	100	<1
3914	<100	1.9	1450	82	50.8	26.6	13	5	113	3
3915	100	1.6	1110	161	92.8	50.7	99	17	210	<1
3916	200	5.9	300	37	14.6	15.0	76	21	53	<1
3917	<100	2.5	140	3	1.8	1.1	199	13	4	<1
3918	<100	2.1	2150	7	3.7	3.0	24	1	11	<1
3919	<100	2.1	11100	17	13.1	3.9	41	2	20	<1
3920	<100	1.5	11100	16	12.8	3.4	45	1	17	<1
3921	<100	<0.5	2160	14	7.0	5.6	29	2	21	<1
3922	<100	<0.5	3130	21	13.5	5.8	31	1	27	<1
3923	<100	3.1	1820	13	6.3	5.1	24	2	19	<1
3924	<100	<0.5	790	8	5.3	2.1	8	<1	11	<1
3925	<100	<0.5	990	15	11.2	3.0	2	<1	17	1
3926	<100	0.6	970	33	19.1	9.7	25	3	42	<1
3927	<100	0.8	700	19	9.5	7.2	25	2	29	<1
3928	<100	1.4	560	23	15.4	5.9	30	3	25	<1
3929	<100	2.3	990	11	5.1	4.7	8	<1	18	<1
3930	<100	3.5	90	4	2.3	1.2	77	12	4	<1
3931	200	6.5	530	50	27.8	11.3	160	21	45	<1
3932	200	8.4	580	36	16.1	10.9	119	19	40	<1
3933	100	1.1	1280	78	45.2	22.5	15	4	102	2
3934	200	7.0	1300	8	4.1	2.8	424	10	10	<1
3935	<100	<0.5	920	13	8.5	3.1	11	<1	15	2
3936	<100	1.0	1050	10	6.8	2.6	8	<1	12	2
3937	100	4.6	4700	77	69.0	11.3	169	10	50	<1
3938	200	1.2	2480	48	30.5	15.4	29	5	64	<1
3939	<100	0.9	2580	32	19.0	12.4	34	4	50	<1
3940	300	2.1	2130	56	29.2	21.6	89	10	78	<1
3941	<100	5.4	770	4	3.7	1.0	184	9	3	<1
3942	<100	<0.5	1490	5	3.5	1.4	8	<1	7	<1
3943	<100	1.5	6780	21	13.1	5.6	40	2	26	<1

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3944	<100	1.1	500	37	20.1	11.4	6	1	48	2
3945	<100	<0.5	930	9	6.0	2.0	9	<1	11	<1
3946	<100	<0.5	1030	17	11.3	4.5	13	<1	20	1
3947	200	2.0	80	9	5.0	2.6	131	45	8	<1
3948	<100	1.2	660	23	15.5	5.4	13	2	24	<1
3949	<100	<0.5	580	8	4.9	2.3	6	<1	11	2
3950	<100	<0.5	450	6	3.4	1.5	3	<1	8	1
3951	<100	<0.5	1070	10	6.6	2.2	5	<1	11	<1
3952	<100	0.7	340	12	7.2	2.7	5	<1	12	<1
3953	<100	1.9	3240	5	4.5	1.3	176	1	5	<1
3954	<100	1.2	3210	24	13.3	8.6	36	3	34	<1
3955	<100	1.0	4020	18	10.5	6.1	25	2	25	<1
3956	<100	3.1	3210	15	8.7	4.9	32	2	22	<1
3957	<100	2.9	3600	29	15.8	10.4	31	4	43	<1
3958	<100	2.2	3360	16	9.7	4.9	28	2	21	<1
3959	<100	1.6	1050	41	20.0	13.8	8	2	59	1
3960	<100	<0.5	920	13	8.7	3.3	9	<1	16	2
3961	100	8.4	260	56	28.1	13.4	120	30	56	<1
3962	<100	7.5	260	34	15.9	9.4	52	10	37	<1
3963	<100	2.4	420	6	2.7	2.7	9	2	10	<1
3964	<100	5.3	130	32	17.0	10.6	69	17	36	2
3965	300	3.2	120	8	3.7	2.9	197	59	8	1
3966	200	8.1	720	55	25.9	16.1	129	19	61	<1
3967	<100	3.1	590	113	48.6	44.7	35	11	177	<1
3968	<100	7.2	320	47	19.3	12.1	54	12	50	<1
3969	<100	7.8	170	69	31.9	27.0	15	8	106	<1
3970	100	5.5	180	13	7.8	2.6	97	31	10	<1
3971	<100	6.6	280	62	29.1	23.5	13	8	89	<1
3972	<100	8.3	240	50	26.5	10.5	76	14	42	<1
3973	<100	5.7	70	28	15.7	6.1	29	15	23	<1
3974	<100	2.3	290	15	12.8	1.7	97	11	7	<1
3975	200	<0.5	1100	41	31.1	9.3	14	3	43	<1
3976	100	2.0	410	58	29.7	17.3	149	10	70	<1
3977	100	<0.5	1110	55	35.1	15.1	16	3	70	1
3978	100	1.2	1950	30	18.7	9.9	23	4	41	<1
3979	<100	2.4	390	6	4.0	1.9	159	13	7	<1
3980	<100	<0.5	790	9	5.6	2.0	3	<1	11	<1
3981	<100	0.8	330	14	6.0	7.3	20	3	24	<1
3982	200	0.7	980	33	24.1	7.2	24	2	34	<1
3983	<100	<0.5	2130	14	11.3	2.9	7	<1	15	<1
3984	<100	<0.5	2470	9	5.5	2.9	31	1	12	<1
3985	<100	<0.5	7010	11	8.1	2.1	17	<1	11	<1
3986	<100	<0.5	7430	14	10.0	3.2	22	<1	16	<1

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3987	<100	1.0	850	19	11.1	6.1	18	1	24	<1
3988	<100	1.0	1500	21	12.8	6.2	42	2	28	<1
3989	<100	0.5	1220	13	8.3	4.0	22	1	18	1
3990	<100	2.3	6240	10	7.9	2.5	39	1	11	<1
3991	200	<0.5	2010	23	13.9	7.9	31	2	31	<1
3992	300	1.3	1000	84	52.1	24.8	80	9	105	<1
3993	<100	0.6	1160	9	4.9	2.4	13	<1	11	1
3994	300	1.7	1500	41	25.0	11.9	28	4	48	<1
3995	200	1.0	1020	26	15.9	8.7	36	2	35	<1
3996	<100	1.4	2520	25	14.9	8.3	192	3	32	<1
3997	<100	1.8	3840	28	16.6	9.2	83	5	39	<1
3998	<100	1.3	2000	16	8.4	6.2	42	2	24	<1
3999	<100	<0.5	2230	37	20.2	14.5	94	4	57	<1
4000	<100	1.3	5440	27	17.0	8.0	60	3	36	<1
*Rep 3904	100	2.3	4720	33	19.4	10.7	48	5	42	<1
*Rep 3915	100	2.0	1190	163	98.0	40.6	137	15	173	<1
*Rep 3929	<100	2.3	960	11	5.2	4.5	9	<1	18	<1
*Rep 3942	<100	<0.5	2290	5	3.7	1.5	8	<1	7	<1
*Rep 3957	<100	2.5	5740	26	15.5	8.8	34	3	36	<1
*Rep 3971	<100	6.9	230	54	25.5	20.1	14	8	75	<1
*Rep 3991	<100	<0.5	2130	18	11.1	4.9	15	1	23	<1
*Rep 3996	<100	1.3	2290	27	14.9	9.8	171	4	38	<1
*Std MMISRM16	<100	13.1	760	3	1.3	1.4	2	<1	5	16
*Std AMIS0169	100	7.9	4590	35	15.3	13.2	50	15	52	<1
*Std MMISRM18	<100	6.2	840	4	1.6	1.2	2	<1	6	5
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3901	<0.5	19.9	567	<5	102	5270	<5	2.3	573	209
3902	<0.5	9.7	381	9	15	8560	<5	17.0	365	107
3903	<0.5	15.0	341	11	81	1480	6	8.7	332	118
3904	<0.5	9.7	286	13	40	1160	<5	7.9	305	127
3905	<0.5	14.0	329	13	31	580	<5	5.7	405	135
3906	<0.5	21.3	318	30	43	2370	22	11.2	306	174
3907	<0.5	14.6	357	13	46	2780	<5	2.8	420	144
3908	<0.5	13.2	237	6	82	520	<5	3.5	321	142
3909	<0.5	15.1	678	35	33	2420	12	11.9	604	376
3910	<0.5	16.3	9	<5	88	1360	<5	0.7	25	170
3911	<0.5	16.2	647	40	65	1790	5	23.5	717	300
3912	<0.5	13.2	13	6	84	15800	<5	<0.5	44	153
3913	<0.5	11.0	447	12	12	1150	<5	13.6	556	74
3914	<0.5	16.1	338	<5	85	1060	<5	1.0	565	62
3915	<0.5	13.2	973	9	59	1160	<5	13.9	1260	90
3916	<0.5	9.0	339	9	3	4120	<5	18.0	352	79
3917	<0.5	9.9	30	8	3	70	<5	8.1	25	95
3918	<0.5	19.8	78	13	33	1080	9	5.6	81	103
3919	<0.5	30.9	41	24	44	3920	25	1.2	76	337
3920	<0.5	40.1	29	31	53	3360	53	1.0	55	694
3921	<0.5	23.0	129	19	49	1110	6	8.7	142	56
3922	<0.5	22.2	57	18	95	5990	8	0.9	119	61
3923	<0.5	14.4	89	13	23	1030	20	7.1	118	198
3924	<0.5	15.6	14	10	109	3030	<5	<0.5	31	160
3925	<0.5	24.4	7	65	165	2180	<5	<0.5	28	125
3926	<0.5	16.4	220	9	73	380	<5	2.2	255	201
3927	<0.5	12.7	170	<5	67	170	<5	1.9	198	105
3928	<0.5	13.7	113	<5	67	750	<5	1.1	130	113
3929	<0.5	14.3	44	21	71	1510	<5	<0.5	84	103
3930	<0.5	6.0	35	12	2	60	<5	4.6	27	49
3931	<0.5	11.0	227	10	5	1860	<5	18.8	247	138
3932	<0.5	11.7	279	8	4	1510	<5	14.1	241	74
3933	<0.5	16.5	331	<5	64	410	<5	1.6	446	48
3934	<0.5	13.5	88	12	8	340	6	15.6	76	189
3935	<0.5	15.3	21	<5	102	8010	<5	0.7	46	86
3936	<0.5	17.4	15	<5	125	10300	<5	<0.5	37	54
3937	<0.5	7.8	216	16	27	2420	<5	16.5	256	296
3938	<0.5	10.2	382	13	106	7930	<5	3.5	419	131
3939	<0.5	17.5	403	10	91	8250	<5	1.4	395	75
3940	<0.5	12.5	627	13	54	4630	<5	18.5	604	71
3941	<0.5	4.5	23	7	16	200	<5	7.3	23	111
3942	<0.5	17.0	13	38	65	16200	9	<0.5	24	112
3943	<0.5	23.8	65	17	31	1730	65	2.1	120	102

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3944	<0.5	11.1	133	<5	82	570	<5	0.5	201	36
3945	<0.5	25.9	20	40	88	3960	7	<0.5	37	159
3946	<0.5	12.0	57	12	98	1360	<5	0.7	94	70
3947	<0.5	12.4	38	<5	3	150	<5	18.5	41	65
3948	<0.5	13.0	87	<5	81	3040	<5	0.7	112	112
3949	<0.5	12.9	10	14	81	820	<5	<0.5	30	37
3950	<0.5	18.8	4	34	85	550	<5	<0.5	14	36
3951	<0.5	19.8	11	27	103	910	<5	<0.5	28	55
3952	<0.5	13.1	15	<5	99	420	<5	0.5	36	44
3953	<0.5	19.9	23	8	42	6720	19	1.8	29	234
3954	<0.5	13.5	178	9	40	2490	14	2.9	233	110
3955	<0.5	18.8	134	14	44	1840	38	2.6	171	118
3956	<0.5	11.3	63	6	43	2280	11	2.8	105	49
3957	<0.5	11.0	276	8	55	970	7	3.3	305	79
3958	<0.5	16.6	59	17	54	1070	30	1.9	107	95
3959	<0.5	15.9	117	<5	59	190	<5	<0.5	225	25
3960	<0.5	17.1	25	7	96	9430	<5	0.7	49	53
3961	<0.5	13.3	188	12	4	300	<5	17.8	256	62
3962	<0.5	19.0	113	<5	3	2070	<5	6.8	156	93
3963	<0.5	6.6	42	<5	31	50	<5	2.2	55	71
3964	<0.5	14.5	102	<5	1	1370	<5	11.4	152	52
3965	<0.5	9.4	51	<5	1	340	<5	17.2	41	46
3966	<0.5	13.9	290	19	5	1140	<5	16.0	337	64
3967	<0.5	12.8	668	<5	23	780	<5	11.5	971	23
3968	<0.5	18.4	125	7	3	1010	<5	6.9	214	65
3969	<0.5	19.3	256	<5	3	230	<5	2.8	503	25
3970	<0.5	12.9	29	10	3	160	<5	15.4	39	69
3971	<0.5	10.3	233	<5	<1	200	<5	2.1	459	19
3972	<0.5	14.0	108	12	4	580	<5	12.3	172	67
3973	<0.5	13.0	34	<5	1	140	<5	2.7	78	26
3974	<0.5	19.2	23	10	10	130	<5	6.5	27	100
3975	<0.5	28.1	154	<5	128	3100	<5	1.0	199	184
3976	<0.5	9.1	291	<5	24	4220	<5	6.9	382	172
3977	<0.5	14.8	264	<5	103	860	<5	1.1	354	103
3978	<0.5	19.2	230	6	90	4180	<5	2.2	250	272
3979	<0.5	14.5	51	13	9	80	<5	7.9	46	134
3980	<0.5	25.3	7	40	104	2750	<5	<0.5	21	87
3981	<0.5	11.6	241	<5	49	1580	<5	5.0	214	32
3982	<0.5	17.2	100	<5	79	3210	<5	1.4	143	119
3983	<0.5	23.0	15	22	127	1500	<5	<0.5	39	98
3984	<0.5	26.8	44	7	64	15400	8	1.1	73	161
3985	<0.5	41.2	12	39	84	3420	38	<0.5	26	208
3986	<0.5	43.6	24	32	88	3170	204	1.0	53	372

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3987	<0.5	14.3	77	<5	85	4670	<5	1.3	118	128
3988	<0.5	13.8	79	7	51	3150	<5	4.9	123	37
3989	<0.5	15.4	41	<5	86	6860	<5	2.4	77	90
3990	<0.5	32.2	25	20	42	3450	24	1.3	41	210
3991	<0.5	23.0	150	15	62	4380	<5	5.9	206	163
3992	<0.5	8.2	515	9	64	1880	<5	9.8	568	131
3993	<0.5	15.0	23	<5	55	3510	<5	1.9	36	57
3994	<0.5	8.4	217	<5	63	1320	<5	6.8	269	209
3995	<0.5	9.7	153	<5	65	2870	<5	1.7	208	158
3996	<0.5	9.2	194	35	22	950	<5	5.9	233	272
3997	<0.5	14.7	163	17	25	780	<5	6.6	229	69
3998	<0.5	17.5	134	15	23	1060	5	8.9	166	99
3999	<0.5	17.2	372	12	40	1680	<5	7.2	451	120
4000	<0.5	17.7	104	16	27	1690	11	3.4	178	72
*Rep 3904	<0.5	13.2	245	11	48	1060	7	6.3	284	130
*Rep 3915	<0.5	13.9	543	9	53	1070	<5	12.5	891	90
*Rep 3929	<0.5	13.7	45	19	69	1500	<5	<0.5	83	105
*Rep 3942	<0.5	18.1	15	38	79	19100	10	<0.5	28	148
*Rep 3957	<0.5	12.9	192	8	73	1350	9	2.7	241	85
*Rep 3971	<0.5	9.3	178	<5	<1	220	<5	2.0	360	20
*Rep 3991	<0.5	22.9	38	31	68	5410	<5	1.8	87	114
*Rep 3996	<0.5	8.9	253	32	21	970	<5	6.5	284	218
*Std MMISRM16	<0.5	39.5	5	<5	30	120	55	<0.5	17	346
*Std AMIS0169	<0.5	41.3	424	<5	34	4370	<5	4.2	405	578
*Std MMISRM18	<0.5	24.9	6	<5	83	530	32	<0.5	16	543
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3901	0.1	180	<1	144	<1	121	<1	62	103	<1
3902	3.2	130	<1	97	<1	212	<1	53	63	2
3903	0.5	930	<1	87	<1	221	2	38	55	<1
3904	0.5	470	<1	80	<1	197	1	44	51	<1
3905	0.3	510	<1	100	<1	224	2	28	65	<1
3906	0.5	900	<1	80	<1	196	2	58	51	<1
3907	0.1	270	<1	101	<1	114	<1	34	73	<1
3908	0.3	220	<1	76	<1	156	<1	78	65	<1
3909	0.7	940	<1	162	<1	211	1	118	97	<1
3910	0.2	40	<1	5	<1	83	<1	12	8	<1
3911	1.4	1230	<1	181	<1	243	2	185	134	1
3912	0.1	30	<1	8	<1	88	<1	10	13	<1
3913	2.6	430	<1	132	<1	193	<1	91	110	1
3914	0.3	120	<1	118	<1	189	<1	139	120	<1
3915	1.0	290	<1	300	<1	138	<1	183	237	<1
3916	3.4	100	<1	90	<1	168	<1	81	65	1
3917	2.4	20	<1	7	<1	241	<1	16	4	<1
3918	0.9	250	<1	20	<1	101	2	6	14	<1
3919	0.1	990	<1	15	<1	222	4	11	16	<1
3920	<0.1	1510	<1	11	<1	158	4	9	13	<1
3921	1.1	230	<1	35	<1	76	<1	8	25	<1
3922	0.1	230	<1	24	<1	15	<1	9	25	<1
3923	0.6	290	<1	28	<1	208	1	7	22	<1
3924	0.1	40	<1	6	<1	41	<1	8	8	<1
3925	<0.1	200	<1	4	<1	23	<1	7	10	<1
3926	0.4	80	<1	64	<1	98	<1	26	47	<1
3927	0.5	50	<1	48	<1	119	<1	13	34	<1
3928	0.1	120	<1	32	<1	161	<1	22	25	<1
3929	0.3	20	<1	17	<1	75	<1	8	19	<1
3930	1.8	10	<1	7	<1	136	<1	14	5	<1
3931	9.4	180	<1	62	<1	153	<1	85	48	1
3932	4.7	160	<1	64	<1	246	<1	56	45	1
3933	0.4	80	<1	98	<1	179	<1	70	92	<1
3934	4.2	30	<1	21	<1	135	<1	43	13	<1
3935	0.2	40	<1	9	<1	34	<1	10	11	<1
3936	0.1	30	<1	7	<1	53	<1	7	9	<1
3937	1.0	580	<1	65	<1	127	2	135	49	<1
3938	0.3	210	<1	105	<1	80	<1	51	70	<1
3939	0.3	50	<1	100	<1	78	<1	16	58	<1
3940	1.4	370	<1	160	<1	196	<1	67	95	<1
3941	1.0	10	<1	6	<1	92	<1	29	4	<1
3942	0.1	30	<1	5	<1	33	<1	<5	5	<1
3943	0.2	860	<1	25	<1	190	3	11	24	<1

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3944	0.1	60	<1	45	<1	152	<1	28	44	<1
3945	<0.1	90	<1	8	<1	28	<1	7	8	<1
3946	<0.1	60	<1	20	<1	81	<1	14	18	<1
3947	5.1	90	<1	10	<1	111	<1	36	9	3
3948	0.1	90	<1	27	<1	130	<1	19	23	<1
3949	0.1	30	<1	5	<1	53	<1	6	8	<1
3950	<0.1	30	<1	2	<1	52	<1	<5	5	<1
3951	<0.1	70	<1	5	<1	46	<1	10	8	<1
3952	<0.1	40	<1	7	<1	103	<1	9	10	<1
3953	0.3	40	<1	7	<1	104	<1	24	6	<1
3954	0.2	360	<1	57	<1	156	1	18	38	<1
3955	0.2	470	<1	41	<1	131	1	14	27	<1
3956	0.2	370	<1	23	<1	239	2	9	21	<1
3957	0.3	400	<1	76	<1	222	1	18	48	<1
3958	0.2	590	<1	24	<1	131	1	12	21	<1
3959	0.2	30	<1	44	<1	190	<1	26	53	<1
3960	0.1	80	<1	10	<1	17	<1	7	12	<1
3961	1.3	320	<1	59	<1	225	<1	79	53	2
3962	1.0	290	<1	35	<1	236	<1	49	35	<1
3963	0.6	20	<1	13	<1	88	<1	8	11	<1
3964	1.0	390	<1	32	<1	281	<1	64	35	<1
3965	7.7	140	<1	11	<1	167	<1	38	8	2
3966	2.7	310	<1	83	<1	274	<1	85	66	1
3967	1.2	200	<1	221	<1	168	<1	99	196	<1
3968	0.5	180	<1	46	<1	315	<1	49	48	<1
3969	0.4	320	<1	99	<1	234	<1	67	105	<1
3970	2.4	190	<1	9	<1	213	<1	41	9	2
3971	0.3	260	<1	98	<1	232	<1	55	95	<1
3972	1.3	450	<1	39	<1	338	<1	64	38	<1
3973	0.2	360	<1	15	<1	205	<1	40	19	<1
3974	1.7	210	<1	7	<1	273	<1	34	6	<1
3975	0.3	140	<1	47	<1	131	<1	31	40	<1
3976	1.5	320	<1	92	<1	160	<1	53	75	<1
3977	0.2	70	<1	81	<1	69	<1	32	64	<1
3978	0.5	220	<1	63	<1	128	<1	32	42	<1
3979	2.1	30	<1	12	<1	147	<1	22	8	<1
3980	<0.1	70	<1	3	<1	35	<1	<5	7	<1
3981	1.0	60	<1	57	<1	79	<1	16	32	<1
3982	0.2	190	<1	33	<1	116	<1	37	30	<1
3983	<0.1	90	<1	7	<1	25	<1	8	10	<1
3984	0.2	30	<1	17	<1	63	<1	8	13	<1
3985	<0.1	1270	<1	5	<1	38	4	<5	7	<1
3986	0.1	1210	<1	10	<1	31	3	7	12	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3987	0.2	30	<1	26	<1	119	<1	18	23	<1
3988	0.6	150	<1	27	<1	113	<1	14	25	<1
3989	0.2	70	<1	17	<1	76	<1	13	16	<1
3990	0.1	1160	<1	9	<1	139	3	7	9	<1
3991	0.3	300	<1	50	<1	15	<1	24	35	<1
3992	0.7	220	<1	140	<1	102	<1	75	103	<1
3993	0.2	100	<1	8	<1	56	<1	7	9	<1
3994	0.6	350	<1	65	<1	91	<1	48	50	<1
3995	0.3	100	<1	49	<1	67	<1	28	37	<1
3996	0.3	240	<1	58	<1	160	<1	46	37	<1
3997	0.7	400	<1	53	<1	208	2	18	41	<1
3998	1.0	200	<1	40	<1	88	<1	7	28	<1
3999	0.3	260	<1	113	<1	35	<1	26	69	<1
4000	0.2	650	<1	39	<1	154	2	13	34	<1
*Rep 3904	0.4	520	<1	73	<1	222	2	41	49	<1
*Rep 3915	0.8	370	<1	195	<1	163	<1	196	181	<1
*Rep 3929	0.2	30	<1	18	<1	74	<1	9	19	<1
*Rep 3942	<0.1	30	<1	6	<1	34	<1	5	6	<1
*Rep 3957	0.2	560	<1	58	<1	221	2	16	40	<1
*Rep 3971	0.3	260	<1	76	<1	219	<1	50	78	<1
*Rep 3991	0.2	270	<1	18	<1	8	<1	13	20	<1
*Rep 3996	0.3	220	<1	72	<1	146	<1	42	44	<1
*Std MMISRM16	0.3	110	30	3	<1	328	<1	11	5	<1
*Std AMIS0169	3.1	140	<1	104	<1	231	1	68	67	<1
*Std MMISRM18	0.7	360	14	3	7	143	<1	<5	5	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3901	1050	<1	15	<10	112	36	<0.5	20	<1	422
3902	180	2	8	<10	135	2930	1.1	24	2	175
3903	1110	<1	8	<10	192	393	0.7	82	2	181
3904	500	<1	7	<10	103	499	0.7	142	1	182
3905	960	<1	8	<10	162	340	0.6	69	2	185
3906	990	<1	8	<10	147	745	0.5	72	2	222
3907	1310	<1	10	<10	135	119	<0.5	44	<1	267
3908	840	<1	12	<10	83.3	315	0.8	84	<1	401
3909	720	<1	16	<10	173	772	0.8	478	2	654
3910	620	<1	2	<10	20.5	19	<0.5	13	2	39
3911	720	1	21	<10	317	2440	1.6	102	4	594
3912	820	<1	2	<10	18.9	23	<0.5	17	<1	60
3913	200	1	17	<10	120	2800	0.7	12	1	446
3914	1080	<1	16	<10	82.9	46	0.5	31	<1	314
3915	670	<1	32	<10	194	1930	1.1	32	2	763
3916	60	1	8	<10	142	2500	1.2	10	2	138
3917	80	<1	<1	<10	18.0	1580	0.6	4	<1	13
3918	1170	<1	2	<10	41.7	479	<0.5	30	5	33
3919	1360	<1	3	<10	42.4	122	<0.5	76	2	104
3920	1990	<1	3	<10	27.5	67	<0.5	62	2	96
3921	1490	<1	3	<10	69.4	896	<0.5	14	4	69
3922	1220	<1	4	<10	64.5	54	<0.5	10	<1	106
3923	590	<1	3	<10	59.4	574	<0.5	40	3	64
3924	770	<1	1	<10	14.1	26	<0.5	5	<1	43
3925	900	<1	3	<10	11.5	8	<0.5	7	<1	75
3926	620	<1	7	<10	90.7	141	<0.5	52	<1	170
3927	470	<1	4	<10	48.7	103	<0.5	22	<1	97
3928	500	<1	4	<10	46.7	45	<0.5	21	<1	116
3929	320	<1	2	<10	15.6	10	<0.5	64	1	54
3930	50	<1	<1	<10	16.6	643	<0.5	3	<1	15
3931	80	1	9	<10	121	2310	0.8	24	1	231
3932	90	1	7	<10	141	2520	1.0	12	1	139
3933	990	<1	15	<10	73.5	165	<0.5	20	<1	331
3934	80	<1	2	<10	74.9	1890	1.1	11	<1	31
3935	770	<1	2	<10	20.3	42	<0.5	5	<1	66
3936	840	<1	2	<10	15.3	10	0.8	3	<1	52
3937	280	<1	10	<10	216	1830	0.8	85	2	404
3938	1070	<1	10	<10	141	196	<0.5	69	<1	230
3939	1100	<1	7	<10	103	64	<0.5	22	<1	182
3940	550	<1	12	<10	224	1430	1.4	17	2	258
3941	140	<1	<1	<10	49.6	1200	0.6	17	<1	16
3942	660	<1	<1	<10	14.6	47	<0.5	15	<1	31
3943	1180	<1	4	<10	87.8	150	0.7	32	2	102

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3944	780	<1	7	<10	53.3	17	<0.5	12	<1	161
3945	650	<1	2	<10	16.8	21	<0.5	116	<1	47
3946	980	<1	3	<10	29.5	16	<0.5	43	<1	76
3947	50	1	2	<10	46.0	4360	<0.5	7	<1	38
3948	680	<1	4	<10	32.9	22	<0.5	24	<1	120
3949	730	<1	2	<10	11.3	15	<0.5	9	<1	41
3950	650	<1	1	<10	4.1	5	<0.5	17	<1	31
3951	950	<1	2	<10	11.2	29	<0.5	49	<1	48
3952	1080	<1	2	<10	24.0	7	<0.5	20	<1	40
3953	490	<1	<1	<10	15.6	138	<0.5	109	<1	30
3954	820	<1	5	<10	112	107	0.7	54	1	110
3955	1090	<1	4	<10	89.6	66	0.5	43	1	77
3956	440	<1	3	<10	67.6	226	0.8	22	1	81
3957	680	<1	6	<10	90.4	215	0.9	28	2	133
3958	1710	<1	3	<10	71.8	106	0.5	42	1	70
3959	900	<1	8	<10	57.0	15	<0.5	13	<1	153
3960	620	<1	2	<10	21.6	35	<0.5	3	<1	70
3961	50	1	10	<10	50.8	5120	0.9	11	2	263
3962	50	<1	6	<10	42.1	1710	0.8	6	<1	146
3963	140	<1	1	<10	15.4	267	<0.5	16	<1	27
3964	30	<1	6	<10	19.5	3290	0.6	6	<1	167
3965	120	1	1	<10	32.8	2810	0.7	7	<1	29
3966	50	1	11	<10	143	3020	1.0	11	2	211
3967	510	<1	25	<10	95.8	2570	0.8	18	2	432
3968	80	<1	9	<10	60.9	1600	0.6	10	<1	182
3969	190	<1	15	<10	17.0	816	0.6	9	<1	367
3970	40	1	2	<10	45.9	4460	0.5	8	1	54
3971	30	<1	13	<10	21.8	539	0.6	9	<1	296
3972	50	<1	8	<10	50.2	3540	0.8	7	1	228
3973	30	<1	4	<10	10.1	777	<0.5	4	<1	147
3974	100	<1	2	<10	31.3	1720	<0.5	4	<1	70
3975	940	<1	7	<10	97.8	47	<0.5	39	<1	194
3976	230	<1	12	<10	128	1300	<0.5	21	1	267
3977	920	<1	10	<10	131	30	<0.5	25	<1	231
3978	730	<1	6	<10	111	153	0.7	93	<1	137
3979	80	<1	1	<10	39.0	1530	<0.5	4	<1	26
3980	610	<1	1	<10	10.8	21	<0.5	3	<1	41
3981	290	<1	4	<10	66.1	479	<0.5	5	<1	53
3982	590	<1	5	<10	80.1	60	<0.5	20	<1	150
3983	1260	<1	2	<10	25.7	9	<0.5	9	<1	68
3984	660	<1	2	<10	46.8	46	<0.5	9	<1	45
3985	1020	<1	2	<10	22.0	43	<0.5	23	3	51
3986	2360	<1	2	<10	44.0	52	<0.5	120	6	65

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3987	1010	<1	4	<10	52.2	45	0.7	12	<1	90
3988	930	<1	4	<10	94.6	413	0.6	5	1	102
3989	1290	<1	2	<10	69.9	71	0.6	9	<1	62
3990	1820	<1	2	<10	26.7	113	0.5	27	2	54
3991	1870	<1	5	<10	99.9	57	<0.5	65	2	100
3992	560	<1	16	<10	169	950	0.8	22	2	385
3993	850	<1	2	<10	32.5	165	0.9	4	<1	39
3994	510	<1	8	<10	143	387	0.7	67	<1	173
3995	1590	<1	5	<10	90.5	54	0.6	23	<1	116
3996	1350	<1	5	<10	73.3	333	<0.5	35	1	126
3997	550	<1	6	<10	150	740	1.0	14	2	138
3998	1080	<1	4	<10	82.2	759	<0.5	34	3	76
3999	2310	<1	9	<10	152	81	<0.5	25	3	166
4000	1310	<1	5	<10	132	284	0.9	16	2	133
*Rep 3904	620	<1	7	<10	101	268	0.7	90	1	169
*Rep 3915	640	<1	28	<10	173	1770	1.2	32	2	774
*Rep 3929	300	<1	2	<10	14.4	9	<0.5	61	1	55
*Rep 3942	800	<1	<1	<10	16.5	48	<0.5	35	<1	29
*Rep 3957	840	<1	6	<10	80.5	132	1.0	22	2	128
*Rep 3971	10	<1	11	<10	20.9	540	0.5	9	<1	255
*Rep 3991	1730	<1	3	<10	64.3	36	<0.5	21	1	75
*Rep 3996	1240	<1	6	<10	75.1	370	<0.5	29	2	142
*Std MMISRM16	420	<1	<1	<10	29.1	8	<0.5	58	<1	12
*Std AMIS0169	80	<1	8	<10	99.0	493	1.4	32	2	138
*Std MMISRM18	990	<1	<1	<10	20.5	10	<0.5	29	<1	18
*Bik BLANK	<10	<1	<1	<10	<0.5	6	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	36	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	5	<0.5	<1	<1	<5

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Final : TO111213 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3901	43	360	103
3902	14	50	199
3903	21	110	143
3904	19	70	106
3905	21	40	178
3906	25	170	190
3907	34	100	80
3908	53	870	97
3909	79	180	273
3910	5	210	26
3911	68	390	526
3912	6	140	25
3913	34	120	190
3914	48	350	70
3915	86	570	278
3916	11	800	216
3917	2	60	40
3918	3	<20	117
3919	14	60	44
3920	14	80	34
3921	6	<20	129
3922	13	20	47
3923	6	80	101
3924	5	180	20
3925	11	70	7
3926	17	410	86
3927	8	40	45
3928	13	100	42
3929	4	480	7
3930	2	60	29
3931	21	510	171
3932	12	510	185
3933	37	220	71
3934	4	90	123
3935	8	120	32
3936	6	100	27
3937	63	190	327
3938	29	320	122
3939	17	100	78
3940	26	130	232
3941	4	40	53
3942	3	40	20
3943	13	30	72

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Final : TO111213 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3944	15	<20	34
3945	6	90	16
3946	11	240	17
3947	5	120	86
3948	14	110	19
3949	4	50	12
3950	3	30	8
3951	6	50	15
3952	6	90	10
3953	5	70	30
3954	12	40	83
3955	10	30	81
3956	8	<20	94
3957	14	<20	92
3958	10	20	60
3959	14	180	32
3960	9	50	39
3961	20	140	117
3962	11	440	74
3963	2	20	13
3964	13	150	49
3965	3	100	65
3966	18	630	233
3967	36	50	145
3968	13	40	97
3969	22	40	27
3970	7	80	102
3971	20	30	32
3972	20	160	91
3973	12	100	21
3974	13	150	48
3975	29	50	81
3976	23	30	127
3977	31	160	56
3978	18	300	77
3979	4	150	59
3980	5	110	10
3981	5	90	51
3982	22	1340	73
3983	12	200	24
3984	5	60	40
3985	9	50	21
3986	10	50	30

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Final : TO111213 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3987	10	190	49
3988	12	30	131
3989	8	120	74
3990	9	60	51
3991	14	60	56
3992	46	450	173
3993	5	20	59
3994	23	220	124
3995	15	140	63
3996	14	30	50
3997	17	30	219
3998	8	<20	115
3999	19	40	76
4000	17	30	146
*Rep 3904	18	80	95
*Rep 3915	89	660	255
*Rep 3929	4	540	6
*Rep 3942	4	40	20
*Rep 3957	14	<20	68
*Rep 3971	18	20	28
*Rep 3991	10	40	53
*Rep 3996	14	30	55
*Std MMISRM16	1	290	22
*Std AMIS0169	13	270	65
*Std MMISRM18	<1	640	23
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111392

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 26, 2010

P.O. No. : EXPL-006
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 13, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4076	<1	137	<10	<0.1	280	1	<10	3	34	9
4077	<1	>300	<10	<0.1	100	<1	<10	4	27	18
4078	3	237	<10	<0.1	160	<1	<10	1	55	18
4079	4	>300	10	<0.1	450	<1	<10	6	121	40
4080	2	>300	20	<0.1	1590	<1	<10	1	507	42
4081	6	89	20	0.2	1020	<1	340	6	347	56
4082	18	24	10	0.4	2320	<1	370	2	624	66
4083	6	74	<10	0.2	980	<1	380	3	258	97
4084	10	30	<10	0.3	1920	<1	320	3	213	56
4085	<1	205	20	<0.1	130	<1	<10	3	16	10
4086	26	16	10	0.1	3240	<1	260	14	32	97
4087	4	130	<10	0.2	1620	<1	200	9	204	144
4088	6	17	<10	0.2	910	<1	230	3	56	310
4089	16	15	<10	0.2	2150	<1	230	9	80	57
4090	14	19	<10	0.2	2810	<1	280	13	56	56
4091	11	28	<10	0.3	1930	<1	310	17	117	120
4092	13	31	<10	0.3	2330	<1	360	15	203	105
4093	8	24	<10	0.4	2420	<1	360	19	135	198
4094	23	14	<10	0.2	2380	<1	380	7	80	83
4095	14	30	<10	0.2	2370	<1	330	7	152	25
4096	25	20	<10	0.2	2610	<1	400	9	61	58
4097	8	15	10	0.3	2200	<1	270	18	89	263
4098	4	8	40	0.3	1640	<1	200	4	153	42
4099	3	12	<10	0.1	1140	<1	190	2	82	50
4100	13	15	<10	0.2	1870	<1	200	8	97	81
4101	4	14	<10	0.1	1670	<1	230	1	162	17
4102	14	12	10	0.2	1690	<1	300	3	87	37
4103	6	64	<10	0.4	1790	<1	360	4	839	88
4104	14	14	<10	0.4	1640	<1	380	7	304	67
4105	3	29	<10	0.2	1230	<1	400	5	173	160
4106	3	13	20	0.2	1630	<1	240	2	122	8
4107	4	36	<10	0.2	860	<1	380	8	80	108
4108	13	28	<10	0.5	1360	<1	340	11	87	284
4109	10	14	<10	0.3	940	<1	270	3	56	241
4110	9	7	<10	0.3	1160	<1	260	4	67	35
4111	9	107	<10	0.2	1110	<1	350	8	403	175
4112	6	11	<10	0.2	1280	<1	230	3	129	81
4113	5	23	<10	0.2	930	<1	260	4	10	109
4114	3	101	<10	<0.1	1020	<1	130	1	759	51
4115	5	7	<10	0.2	1170	<1	170	2	22	121
4116	1	132	<10	<0.1	410	<1	290	8	203	14
4117	<1	169	20	<0.1	2650	<1	20	6	2240	48
4118	<1	75	10	<0.1	290	<1	180	4	74	112

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4119	<1	140	<10	0.4	1380	<1	300	12	273	208
4120	<1	172	<10	<0.1	940	<1	180	4	71	115
4121	<1	63	<10	<0.1	230	<1	300	3	71	6
4122	15	19	<10	0.2	2420	<1	250	11	138	29
4123	5	11	<10	0.1	1430	<1	170	4	126	44
4124	5	6	<10	0.2	1500	<1	150	3	94	45
4125	6	152	<10	<0.1	1450	<1	150	27	245	38
4126	4	68	<10	<0.1	970	<1	380	14	186	92
4127	13	45	<10	0.3	1150	<1	350	4	36	345
4128	13	27	<10	0.2	1520	<1	290	10	150	46
4129	8	143	<10	<0.1	1170	<1	190	15	192	47
4130	9	66	<10	0.2	1260	<1	380	7	480	38
4131	14	100	<10	0.1	1280	<1	340	8	505	49
4132	9	88	<10	0.2	850	<1	340	11	479	69
4133	19	56	<10	0.2	960	<1	320	17	100	115
4134	5	111	<10	0.1	950	<1	300	10	253	106
4135	8	129	<10	0.2	1260	<1	240	15	355	116
4136	13	48	<10	0.3	1140	<1	320	7	62	112
4137	5	144	<10	<0.1	700	<1	200	19	121	91
4138	4	105	<10	0.1	1010	<1	310	5	177	35
4139	2	131	<10	0.1	1470	<1	210	13	204	152
4140	7	91	<10	0.1	1560	<1	340	20	1090	140
4141	9	165	<10	0.1	1430	<1	210	5	410	46
4142	5	158	<10	0.1	1640	<1	200	3	642	369
4143	9	31	<10	0.3	990	<1	310	3	18	45
4144	10	31	<10	0.3	1160	<1	330	3	10	23
4145	2	44	10	0.2	1590	<1	220	7	345	297
4146	13	60	<10	0.2	1050	<1	420	11	140	486
4147	13	19	<10	0.1	1010	<1	230	10	43	147
4148	8	36	<10	0.2	1320	<1	370	3	48	30
4149	13	20	10	0.2	2130	<1	240	15	64	91
4150	6	33	<10	0.2	2270	<1	310	11	62	87
*Rep 4088	6	8	<10	0.2	920	<1	180	2	16	151
*Rep 4095	13	26	<10	0.2	2490	<1	290	5	181	23
*Rep 4107	4	26	<10	0.2	650	<1	320	6	33	91
*Rep 4117	<1	164	20	<0.1	2550	<1	20	5	2140	49
*Rep 4138	4	109	<10	0.3	1060	<1	310	5	159	38
*Rep 4146	11	65	<10	0.1	920	<1	380	8	163	423
*Std MMISRM16	21	43	20	25.0	60	<1	200	4	14	65
*Std AMISO169	10	67	20	0.5	690	<1	40	2	821	136
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4076	300	4.4	40	3	1.8	1.1	31	44	3	<1
4077	<100	3.8	10	2	1.6	0.8	92	75	2	<1
4078	100	4.8	100	4	2.1	1.6	181	21	5	<1
4079	100	5.8	170	7	3.4	2.8	123	24	9	<1
4080	200	6.7	450	37	17.6	10.9	163	31	41	<1
4081	<100	1.1	5840	18	11.0	5.8	57	4	24	<1
4082	<100	1.8	4350	26	14.8	9.5	45	5	40	<1
4083	<100	1.7	2450	10	6.9	3.2	72	3	12	<1
4084	<100	2.2	6520	18	10.7	5.5	39	2	23	<1
4085	<100	2.2	170	1	0.8	<0.5	285	72	1	<1
4086	<100	1.3	10500	9	7.3	2.0	30	<1	9	<1
4087	<100	3.7	5400	11	7.8	2.9	266	7	11	<1
4088	<100	<0.5	1320	7	4.6	2.0	16	1	11	<1
4089	<100	1.3	7830	14	9.6	3.6	32	1	17	<1
4090	<100	0.7	9990	14	11.6	3.2	38	<1	15	<1
4091	<100	2.0	8420	18	12.3	4.4	35	2	22	<1
4092	<100	3.6	8790	22	11.9	7.1	35	4	28	<1
4093	<100	2.0	9600	23	16.4	5.8	37	2	27	<1
4094	<100	1.0	9150	19	15.3	4.3	25	<1	21	<1
4095	<100	2.9	6920	17	10.5	5.0	38	3	22	<1
4096	<100	1.3	9830	19	15.6	4.2	16	<1	21	<1
4097	<100	1.4	8670	19	13.6	4.1	37	1	21	<1
4098	<100	2.8	3890	15	8.4	5.1	31	2	22	<1
4099	<100	1.9	2640	7	3.8	2.3	34	1	10	<1
4100	<100	1.2	6370	14	8.9	3.9	35	1	19	<1
4101	<100	4.1	2920	12	6.3	4.3	22	2	18	<1
4102	<100	<0.5	6030	16	10.7	4.1	20	1	19	<1
4103	200	2.1	4560	31	17.4	11.7	60	7	44	<1
4104	<100	<0.5	4860	24	15.4	7.7	65	3	32	<1
4105	<100	<0.5	3130	11	7.6	3.6	32	2	15	<1
4106	<100	<0.5	3110	11	6.9	3.7	41	1	16	<1
4107	<100	1.6	890	10	5.1	3.4	11	1	15	<1
4108	<100	0.7	2240	16	10.9	3.9	14	1	20	<1
4109	<100	<0.5	890	8	4.8	2.2	11	<1	11	<1
4110	<100	1.5	1250	9	3.9	3.0	12	1	11	<1
4111	100	3.6	1260	18	10.5	5.9	29	4	24	<1
4112	<100	0.8	1660	11	6.8	3.2	22	1	14	<1
4113	<100	0.6	940	10	6.1	2.3	4	<1	13	2
4114	<100	2.2	170	25	10.7	10.9	47	9	39	<1
4115	<100	0.9	1140	4	2.2	1.5	4	<1	7	<1
4116	<100	3.1	320	23	11.6	6.8	21	4	29	<1
4117	200	3.3	430	111	42.5	46.5	67	27	167	<1
4118	<100	3.2	770	6	3.3	1.7	334	5	7	<1

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4119	200	1.9	950	22	15.2	5.3	91	5	24	<1
4120	200	1.3	400	7	5.2	1.5	218	7	6	<1
4121	<100	1.0	140	3	1.8	1.2	52	3	5	<1
4122	<100	2.6	8110	16	10.4	4.4	56	2	20	<1
4123	<100	3.3	3340	12	7.2	3.8	36	2	18	<1
4124	<100	2.1	2920	9	5.5	3.1	23	1	14	<1
4125	<100	3.7	390	93	74.5	11.3	105	5	56	<1
4126	<100	1.1	2700	8	5.9	2.5	32	2	10	<1
4127	<100	<0.5	1420	16	11.2	3.8	11	<1	20	2
4128	<100	0.8	8240	16	11.2	4.0	48	2	20	<1
4129	<100	1.2	520	45	40.1	6.0	188	5	30	<1
4130	200	<0.5	1830	44	28.8	13.0	24	4	59	<1
4131	200	<0.5	1560	50	35.0	12.7	54	5	61	<1
4132	200	<0.5	1420	42	27.9	11.5	37	4	52	<1
4133	<100	<0.5	1650	16	9.1	4.5	8	1	21	1
4134	<100	0.8	910	38	34.1	6.7	77	4	32	<1
4135	200	1.0	1340	39	30.5	7.8	153	5	36	<1
4136	<100	<0.5	1370	15	9.3	4.1	15	<1	19	<1
4137	<100	1.4	440	55	63.7	4.6	157	4	24	<1
4138	100	1.4	950	30	18.5	7.9	18	3	35	2
4139	200	2.0	3610	33	35.1	4.8	149	5	22	<1
4140	500	2.0	2570	101	76.5	22.0	39	10	109	<1
4141	100	3.0	1410	51	41.5	9.2	110	8	42	<1
4142	300	2.7	1510	59	40.1	14.5	128	11	63	<1
4143	<100	<0.5	1200	12	8.7	3.0	9	<1	15	1
4144	<100	0.6	1240	14	9.0	3.2	8	<1	15	3
4145	100	1.1	3220	18	13.4	5.8	128	5	22	<1
4146	200	0.6	1460	10	6.3	3.3	14	2	14	<1
4147	<100	<0.5	1020	8	5.3	2.2	6	<1	11	<1
4148	100	<0.5	1430	16	10.8	4.3	16	<1	20	2
4149	<100	1.0	8850	14	10.9	3.1	36	1	14	<1
4150	<100	1.4	7550	12	9.5	3.1	16	1	14	<1
*Rep 4088	<100	<0.5	770	5	2.6	1.3	2	<1	6	<1
*Rep 4095	<100	3.3	6520	17	10.2	5.4	47	4	24	<1
*Rep 4107	<100	1.1	790	8	4.1	2.3	8	<1	11	<1
*Rep 4117	200	3.4	420	114	44.3	46.3	67	27	170	<1
*Rep 4138	100	1.1	860	31	21.0	8.2	22	3	37	<1
*Rep 4146	200	0.6	1490	11	6.1	3.7	17	2	16	<1
*Std MMISRM16	<100	12.6	740	2	0.9	1.0	1	<1	4	16
*Std AMISO169	100	8.6	4730	32	13.7	12.2	48	16	51	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4076	<0.5	6.9	21	<5	1	40	<5	21.5	15	27
4077	<0.5	5.9	15	<5	<1	<10	<5	8.4	12	195
4078	<0.5	5.3	29	<5	2	20	<5	8.7	25	62
4079	<0.5	11.8	58	<5	<1	30	<5	9.2	50	82
4080	<0.5	14.6	198	15	4	240	<5	20.4	223	102
4081	<0.5	18.1	168	15	55	2730	63	4.4	169	346
4082	<0.5	23.9	223	12	51	1820	47	2.5	278	137
4083	<0.5	16.9	93	12	37	3420	20	4.0	97	279
4084	<0.5	21.2	75	10	98	2770	25	2.3	123	93
4085	<0.5	15.7	9	<5	<1	10	<5	13.4	7	31
4086	<0.5	55.7	13	34	95	3540	54	0.5	26	423
4087	<0.5	9.5	84	18	27	1280	5	5.2	85	268
4088	<0.5	14.9	18	14	75	10900	7	0.6	38	133
4089	<0.5	64.9	32	27	52	1600	35	0.6	62	271
4090	<0.5	76.7	22	29	53	1240	51	0.5	45	297
4091	<0.5	29.9	45	25	42	1280	28	1.0	83	530
4092	<0.5	23.0	76	19	53	1130	33	3.8	130	563
4093	<0.5	29.7	50	17	68	1320	53	1.5	99	769
4094	<0.5	18.9	32	15	87	980	<5	0.7	69	102
4095	<0.5	15.5	59	21	48	670	<5	2.0	101	92
4096	<0.5	10.9	22	13	91	1280	<5	0.6	53	103
4097	<0.5	45.0	31	25	46	970	61	0.7	65	929
4098	<0.5	28.2	56	22	28	1720	70	1.4	111	345
4099	<0.5	23.9	32	16	23	1780	32	1.2	54	262
4100	<0.5	34.9	38	15	42	1170	21	0.7	74	412
4101	<0.5	11.8	70	10	54	900	10	8.7	95	68
4102	<0.5	33.4	27	30	105	3810	62	<0.5	65	124
4103	<0.5	8.0	340	10	47	3140	14	7.4	343	108
4104	<0.5	17.2	110	8	67	3700	<5	1.8	179	56
4105	<0.5	18.5	62	21	71	10400	19	2.9	93	200
4106	<0.5	20.0	47	8	43	1810	18	2.0	77	35
4107	<0.5	20.1	26	<5	70	3820	<5	0.8	57	150
4108	<0.5	10.2	29	7	101	3100	<5	0.8	63	115
4109	<0.5	16.0	20	<5	59	8650	<5	<0.5	36	70
4110	<0.5	8.5	29	7	49	710	<5	4.5	47	63
4111	<0.5	8.7	145	<5	63	6000	<5	2.2	163	153
4112	<0.5	21.4	34	11	42	6490	<5	1.9	61	32
4113	<0.5	17.8	12	8	75	2180	<5	<0.5	29	62
4114	<0.5	6.9	233	<5	15	1110	<5	5.2	266	36
4115	<0.5	10.6	6	9	61	4460	<5	<0.5	17	43
4116	<0.5	10.9	122	<5	48	220	<5	1.3	148	98
4117	<0.5	7.9	1060	<5	2	8690	<5	17.1	1090	38
4118	<0.5	4.4	28	<5	40	3650	7	7.0	41	204

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4119	<0.5	19.4	94	<5	64	3150	<5	5.7	117	149
4120	<0.5	10.4	18	<5	59	3230	<5	7.5	26	160
4121	<0.5	0.9	29	10	20	1820	6	2.0	36	61
4122	<0.5	30.1	56	22	29	1880	13	1.5	93	109
4123	<0.5	16.0	50	17	23	1330	7	3.1	84	202
4124	<0.5	19.5	36	19	23	1160	11	1.3	66	182
4125	<0.5	17.4	114	<5	56	320	<5	<0.5	205	217
4126	<0.5	25.5	56	17	55	9450	82	3.4	66	316
4127	<0.5	17.1	27	9	100	1230	<5	<0.5	60	74
4128	<0.5	29.4	60	19	41	3300	47	2.4	95	127
4129	<0.5	17.8	87	<5	72	410	<5	1.8	125	432
4130	<0.5	22.3	290	<5	112	1040	<5	1.4	351	259
4131	<0.5	22.8	338	9	99	1210	<5	2.7	343	317
4132	<0.5	15.5	253	5	86	1150	<5	1.7	290	307
4133	<0.5	27.9	45	<5	76	1230	<5	1.0	75	122
4134	<0.5	13.4	129	<5	80	2420	<5	1.1	146	234
4135	<0.5	20.0	149	<5	81	1830	<5	2.5	183	360
4136	<0.5	17.3	39	6	123	2630	<5	0.8	73	149
4137	<0.5	10.8	45	8	59	480	<5	0.8	81	410
4138	<0.5	14.9	153	<5	65	480	<5	1.3	179	135
4139	<0.5	23.7	84	6	71	1200	<5	3.6	105	399
4140	<0.5	17.3	535	16	101	1570	<5	3.2	546	697
4141	<0.5	16.3	177	6	54	260	<5	3.6	201	177
4142	<0.5	20.0	276	9	52	4520	<5	6.4	338	237
4143	<0.5	18.3	16	7	108	1220	<5	0.8	40	59
4144	<0.5	20.3	17	13	117	460	<5	<0.5	41	63
4145	<0.5	24.9	139	7	59	5200	8	4.9	166	200
4146	<0.5	20.6	59	<5	97	13600	<5	0.6	82	291
4147	<0.5	20.3	12	43	78	4830	7	<0.5	28	99
4148	<0.5	18.5	41	9	105	520	<5	0.8	79	107
4149	<0.5	39.9	25	23	68	4310	75	0.6	46	353
4150	<0.5	36.3	23	31	79	2930	45	0.7	45	385
*Rep 4088	<0.5	14.5	4	33	77	8860	6	<0.5	14	92
*Rep 4095	<0.5	18.0	72	22	41	620	<5	2.4	116	73
*Rep 4107	<0.5	19.3	9	<5	69	7450	<5	0.5	29	122
*Rep 4117	<0.5	7.8	1060	<5	2	8710	<5	17.3	1080	37
*Rep 4138	<0.5	15.2	156	<5	75	620	<5	1.7	178	120
*Rep 4146	<0.5	18.4	68	<5	83	14300	<5	0.7	93	246
*Std MMISRM16	<0.5	40.3	3	<5	31	90	55	<0.5	12	268
*Std AMISO169	<0.5	45.9	410	<5	33	3830	<5	4.0	388	566
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4076	6.4	170	<1	4	<1	42	<1	29	3	9
4077	2.6	30	<1	3	<1	42	<1	14	3	1
4078	3.4	40	<1	7	<1	56	<1	19	6	1
4079	2.2	80	<1	13	<1	147	<1	26	10	1
4080	3.1	280	<1	53	<1	196	<1	95	47	2
4081	0.5	600	<1	43	<1	87	3	28	27	<1
4082	0.4	450	<1	67	<1	114	2	18	45	<1
4083	0.3	360	<1	25	<1	107	<1	25	15	<1
4084	0.2	720	<1	27	<1	142	2	10	24	<1
4085	2.2	40	<1	2	<1	60	<1	10	1	1
4086	<0.1	1600	<1	5	<1	125	5	6	7	<1
4087	0.4	120	<1	22	<1	345	<1	54	15	<1
4088	0.1	80	<1	8	<1	17	<1	6	9	<1
4089	<0.1	1050	<1	12	<1	101	4	6	14	<1
4090	<0.1	1670	<1	9	<1	83	4	6	11	<1
4091	<0.1	1210	<1	17	<1	244	5	9	18	<1
4092	0.3	1050	<1	29	<1	328	6	19	28	<1
4093	<0.1	1560	<1	19	<1	250	5	12	22	<1
4094	<0.1	520	<1	13	<1	229	<1	5	16	<1
4095	0.2	590	<1	22	<1	372	2	11	21	<1
4096	<0.1	800	<1	10	<1	277	2	5	15	<1
4097	<0.1	1450	<1	13	<1	163	5	9	17	<1
4098	0.1	360	<1	23	<1	185	2	6	23	<1
4099	0.2	200	<1	11	<1	146	2	<5	10	<1
4100	<0.1	830	<1	15	<1	139	3	6	17	<1
4101	0.6	210	<1	22	<1	259	2	8	19	<1
4102	0.1	1160	<1	12	<1	46	1	<5	15	<1
4103	0.4	350	<1	88	<1	261	1	33	55	<1
4104	0.1	160	<1	39	<1	51	<1	12	33	<1
4105	0.2	200	<1	21	<1	34	<1	11	16	<1
4106	0.2	440	<1	17	<1	85	2	<5	16	<1
4107	0.1	30	<1	11	<1	88	<1	9	13	<1
4108	0.1	80	<1	13	<1	79	<1	12	15	<1
4109	0.1	40	<1	7	<1	42	<1	6	8	<1
4110	0.4	80	<1	10	<1	86	<1	7	12	<1
4111	0.2	150	<1	41	<1	189	<1	24	28	<1
4112	0.1	170	<1	13	<1	98	<1	<5	13	<1
4113	<0.1	60	<1	5	<1	78	<1	6	8	<1
4114	0.9	40	<1	67	<1	126	<1	28	48	<1
4115	<0.1	110	<1	3	<1	90	<1	<5	5	<1
4116	0.2	110	<1	35	<1	192	<1	18	30	<1
4117	1.9	180	<1	274	<1	159	<1	143	205	1
4118	1.0	20	<1	9	<1	115	<1	29	8	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4119	0.4	200	<1	27	<1	202	<1	53	24	<1
4120	0.7	220	<1	6	<1	153	<1	35	6	<1
4121	0.2	40	<1	9	<1	7	<1	<5	6	<1
4122	0.2	850	<1	19	<1	272	3	9	20	<1
4123	0.2	290	<1	18	<1	221	2	6	18	<1
4124	0.2	220	<1	14	<1	141	2	<5	14	<1
4125	0.1	280	<1	44	<1	167	<1	64	46	<1
4126	0.2	820	<1	17	<1	130	1	19	11	<1
4127	0.1	50	<1	12	<1	59	<1	13	15	<1
4128	0.2	720	<1	20	<1	81	3	10	18	<1
4129	0.3	150	<1	28	<1	92	<1	50	27	<1
4130	0.2	80	<1	83	<1	73	<1	29	61	<1
4131	0.4	150	<1	83	<1	48	<1	53	58	<1
4132	0.2	100	<1	70	<1	68	<1	34	51	<1
4133	0.2	110	<1	16	<1	52	<1	13	17	<1
4134	0.2	160	<1	36	<1	115	<1	39	28	<1
4135	0.3	200	<1	44	<1	124	<1	56	35	<1
4136	0.2	50	<1	15	<1	81	<1	13	16	<1
4137	0.2	290	<1	17	<1	153	<1	41	19	<1
4138	0.2	100	<1	42	<1	129	<1	30	34	<1
4139	0.3	270	<1	25	<1	124	<1	64	21	<1
4140	0.4	210	<1	131	<1	153	<1	99	101	<1
4141	0.5	330	<1	50	<1	197	<1	66	38	<1
4142	0.5	220	<1	83	<1	241	<1	96	64	<1
4143	0.1	30	<1	7	<1	87	<1	11	11	<1
4144	<0.1	30	<1	7	<1	107	<1	11	11	<1
4145	0.6	60	<1	42	<1	127	<1	47	27	<1
4146	0.3	20	<1	19	<1	76	<1	13	15	<1
4147	<0.1	80	<1	5	<1	24	<1	7	8	<1
4148	0.2	30	<1	16	<1	65	<1	13	16	<1
4149	<0.1	1670	<1	9	<1	158	7	8	11	<1
4150	0.1	1080	<1	9	<1	169	4	6	10	<1
*Rep 4088	<0.1	80	<1	2	<1	11	<1	<5	4	<1
*Rep 4095	0.2	570	<1	25	<1	423	2	13	24	<1
*Rep 4107	0.1	20	<1	5	<1	77	<1	7	8	<1
*Rep 4117	2.1	180	<1	271	<1	163	<1	145	205	1
*Rep 4138	0.2	120	<1	43	<1	117	<1	38	35	<1
*Rep 4146	0.3	20	<1	21	<1	74	<1	11	17	<1
*Std MMISRM16	0.3	70	29	2	<1	337	<1	7	4	<1
*Std AMISO169	3.0	120	<1	100	<1	257	<1	65	66	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4076	110	2	<1	<10	34.3	6480	<0.5	8	2	16
4077	30	<1	<1	<10	10.5	1640	<0.5	3	<1	12
4078	30	<1	<1	<10	18.2	1360	<0.5	5	<1	17
4079	30	<1	1	<10	17.7	1910	<0.5	4	<1	33
4080	60	1	7	<10	117	4450	0.7	12	2	167
4081	1260	<1	4	<10	64.0	188	<0.5	250	2	105
4082	1200	<1	6	<10	91.1	112	0.6	35	2	132
4083	960	<1	2	<10	44.3	100	<0.5	31	2	54
4084	880	<1	3	<10	67.2	106	0.7	17	1	90
4085	30	<1	<1	<10	15.9	2060	<0.5	3	<1	5
4086	1190	<1	1	<10	14.9	13	<0.5	63	2	55
4087	550	<1	2	<10	48.5	757	1.2	91	<1	65
4088	610	<1	1	<10	24.6	9	<0.5	15	1	38
4089	1280	<1	3	<10	29.4	18	0.5	51	3	79
4090	1400	<1	2	<10	25.9	14	<0.5	56	3	82
4091	1690	<1	3	<10	42.6	58	<0.5	69	3	100
4092	1510	<1	4	<10	93.7	348	<0.5	71	2	92
4093	1290	<1	4	<10	44.0	71	<0.5	103	2	122
4094	1040	<1	3	<10	37.0	7	<0.5	12	1	104
4095	630	<1	3	<10	58.3	184	1.0	28	1	86
4096	1150	<1	3	<10	31.7	24	1.0	22	2	99
4097	3090	<1	3	<10	33.1	41	<0.5	130	2	100
4098	1610	<1	3	<10	62.1	80	<0.5	77	2	82
4099	1080	<1	1	<10	34.3	89	<0.5	40	2	38
4100	1020	<1	3	<10	48.5	43	<0.5	34	5	76
4101	390	<1	2	<10	49.2	759	<0.5	38	1	59
4102	1210	<1	3	<10	34.2	8	<0.5	14	2	80
4103	510	<1	7	<10	122	347	1.7	59	2	164
4104	760	<1	5	<10	114	48	0.6	12	<1	134
4105	850	<1	2	<10	44.8	17	<0.5	57	1	65
4106	560	<1	2	<10	41.4	102	<0.5	8	<1	64
4107	970	<1	2	<10	20.0	<3	<0.5	23	<1	44
4108	960	<1	3	<10	33.9	40	<0.5	16	<1	79
4109	660	<1	1	<10	16.1	23	<0.5	3	<1	41
4110	530	<1	2	<10	35.1	439	1.1	3	<1	39
4111	640	<1	4	<10	67.4	63	1.4	25	<1	91
4112	500	<1	2	<10	65.8	75	1.1	2	<1	58
4113	530	<1	2	<10	9.9	<3	<0.5	1	<1	49
4114	170	<1	6	<10	47.5	796	<0.5	19	<1	105
4115	380	<1	<1	<10	6.9	<3	1.0	2	<1	24
4116	270	<1	5	<10	32.1	149	<0.5	20	<1	122
4117	40	1	26	<10	143	3500	1.1	20	2	406
4118	340	<1	1	<10	24.3	1110	<0.5	16	1	30

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4119	840	<1	4	<10	99.8	598	<0.5	15	<1	121
4120	540	<1	1	<10	55.5	846	<0.5	7	<1	38
4121	1160	<1	<1	<10	8.0	79	<0.5	12	<1	20
4122	1300	<1	3	<10	61.1	141	<0.5	48	2	85
4123	640	<1	3	<10	61.2	258	<0.5	61	2	68
4124	1090	<1	2	<10	36.5	90	<0.5	49	2	52
4125	610	<1	12	<10	35.7	38	<0.5	39	<1	564
4126	860	<1	2	<10	48.4	24	<0.5	146	2	42
4127	950	<1	3	<10	21.6	6	<0.5	14	<1	80
4128	650	<1	3	<10	74.0	143	<0.5	62	2	91
4129	580	<1	6	<10	47.8	168	<0.5	25	<1	279
4130	1130	<1	9	<10	147	17	<0.5	36	<1	212
4131	850	<1	9	<10	92.9	86	<0.5	45	<1	280
4132	740	<1	8	<10	112	28	<0.5	36	<1	215
4133	470	<1	3	<10	33.7	14	<0.5	88	<1	75
4134	620	<1	6	<10	50.3	69	<0.5	46	<1	226
4135	570	<1	6	<10	96.7	194	<0.5	25	<1	204
4136	600	<1	3	<10	31.0	16	0.5	11	<1	81
4137	530	<1	6	<10	33.8	101	<0.5	51	<1	342
4138	700	<1	6	<10	63.8	60	<0.5	19	<1	144
4139	770	<1	4	<10	60.1	360	0.5	93	<1	188
4140	1080	<1	17	<10	110	334	<0.5	58	1	625
4141	480	<1	8	<10	75.7	426	0.7	42	<1	277
4142	510	<1	11	<10	184	881	0.8	43	1	278
4143	870	<1	2	<10	21.4	12	<0.5	8	<1	61
4144	1000	<1	2	<10	17.4	5	<0.5	7	<1	64
4145	590	<1	4	<10	76.0	455	<0.5	154	<1	96
4146	910	<1	2	<10	45.9	13	<0.5	62	<1	49
4147	600	<1	2	<10	15.3	10	<0.5	16	<1	43
4148	1020	<1	3	<10	32.1	6	<0.5	31	<1	76
4149	720	<1	2	<10	20.9	46	<0.5	52	2	74
4150	630	<1	2	<10	25.0	47	<0.5	35	3	66
*Rep 4088	580	<1	<1	<10	7.8	<3	<0.5	5	<1	25
*Rep 4095	600	<1	3	<10	67.6	274	1.3	34	1	85
*Rep 4107	890	<1	1	<10	13.2	<3	<0.5	20	<1	36
*Rep 4117	40	1	26	<10	140	3490	1.1	21	2	416
*Rep 4138	770	<1	6	<10	58.6	56	<0.5	20	<1	162
*Rep 4146	750	<1	2	<10	56.4	6	<0.5	78	<1	50
*Std MMISRM16	460	<1	<1	<10	18.7	<3	<0.5	49	<1	9
*Std AMISO169	80	<1	8	<10	83.6	505	1.3	28	2	130
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.7	5	<0.5	<1	<1	7

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Final : TO111392 Order: EXPL-006

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4076	2	170	88
4077	2	50	23
4078	2	90	36
4079	3	130	52
4080	13	60	261
4081	11	30	64
4082	14	20	94
4083	7	80	29
4084	11	30	88
4085	<1	60	28
4086	9	100	21
4087	8	80	77
4088	4	40	29
4089	10	50	37
4090	12	60	22
4091	13	50	42
4092	10	40	104
4093	17	110	72
4094	16	30	33
4095	11	30	52
4096	15	<20	32
4097	14	100	35
4098	8	30	54
4099	4	80	30
4100	9	40	41
4101	5	40	125
4102	11	30	23
4103	16	40	134
4104	15	30	103
4105	8	70	32
4106	6	<20	90
4107	4	250	24
4108	10	160	50
4109	5	100	31
4110	4	20	69
4111	10	250	60
4112	7	40	111
4113	5	140	18
4114	8	50	45
4115	2	<20	11
4116	8	190	26
4117	31	40	164
4118	3	170	54

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Final : TO111392 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4119	14	510	126
4120	5	360	86
4121	2	50	7
4122	10	40	62
4123	7	<20	73
4124	5	<20	50
4125	59	270	29
4126	7	110	21
4127	11	160	19
4128	11	70	89
4129	37	720	53
4130	29	660	85
4131	34	500	83
4132	27	540	73
4133	8	70	38
4134	33	130	48
4135	28	1210	110
4136	9	150	40
4137	65	430	28
4138	16	450	46
4139	38	300	86
4140	73	910	112
4141	38	480	81
4142	37	2020	206
4143	8	250	31
4144	9	390	21
4145	14	100	121
4146	6	180	36
4147	5	60	24
4148	11	360	36
4149	11	90	35
4150	10	60	24
*Rep 4088	2	50	9
*Rep 4095	10	30	74
*Rep 4107	3	230	20
*Rep 4117	32	40	161
*Rep 4138	18	440	48
*Rep 4146	6	130	40
*Std MMISRM16	<1	260	17
*Std AMIS0169	11	260	59
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111399

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Aug 26, 2010

P.O. No. : EXPL-006
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 13, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4376	<1	>300	<10	<0.1	1280	<1	30	4	883	30
4377	<1	>300	70	<0.1	460	<1	<10	3	56	7
4378	2	>300	50	<0.1	340	2	<10	24	127	33
4379	8	75	<10	<0.1	760	<1	310	8	71	22
4380	4	>300	20	<0.1	1360	<1	<10	24	205	41
4381	9	>300	10	<0.1	500	<1	<10	7	71	21
4382	3	>300	10	<0.1	500	1	<10	5	418	11
4383	2	>300	20	<0.1	850	<1	30	19	86	48
4384	3	>300	<10	<0.1	600	<1	<10	6	164	19
4385	4	>300	30	<0.1	490	2	10	5	203	20
4386	5	>300	20	<0.1	2110	1	<10	7	294	30
4387	5	215	<10	<0.1	400	<1	<10	4	89	17
4388	5	249	<10	<0.1	1140	<1	<10	25	143	31
4389	3	260	<10	<0.1	610	<1	<10	4	84	21
4390	1	4	<10	0.2	1150	<1	140	<1	<5	<5
4391	13	27	20	0.3	1720	<1	280	3	1770	143
4392	13	39	<10	0.4	540	<1	320	15	18	113
4393	21	83	<10	<0.1	570	<1	290	35	217	171
4394	10	45	<10	0.2	1380	<1	310	8	220	157
4395	9	41	<10	0.2	1390	<1	280	10	96	116
4396	11	21	<10	0.3	1270	<1	230	6	14	102
4397	7	30	<10	0.3	1170	<1	240	5	55	194
4398	4	74	<10	0.2	1190	<1	310	7	48	27
4399	8	110	<10	<0.1	610	<1	300	39	79	233
4400	21	53	<10	0.3	1320	<1	300	9	666	90
4401	7	16	<10	0.3	1230	<1	230	2	464	80
4402	5	30	<10	0.2	920	<1	270	7	69	127
4403	5	7	<10	<0.1	1300	<1	190	1	254	7
4404	9	19	<10	0.2	1210	<1	230	3	186	45
4405	7	16	<10	0.3	2320	<1	200	4	137	29
4406	4	12	<10	0.1	920	<1	200	2	126	11
4407	13	22	<10	0.3	1430	<1	240	5	142	46
4408	8	8	<10	0.2	1330	<1	140	5	24	23
4409	3	3	<10	0.1	2350	<1	120	2	38	12
4410	22	13	<10	0.2	2590	<1	290	7	34	42
4411	5	4	<10	0.1	1420	<1	140	2	39	9
4412	6	9	<10	0.2	1270	<1	120	3	37	24
4413	6	11	<10	0.2	1830	<1	260	2	117	20
4414	7	10	<10	0.2	1490	<1	200	3	191	6
4415	4	9	<10	0.3	1640	<1	180	2	331	28
4416	11	20	<10	0.2	2110	<1	220	6	172	109
4417	5	9	<10	0.2	2000	<1	170	2	195	7
4418	10	6	<10	0.2	1520	<1	140	4	28	11

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4419	22	19	<10	0.2	2770	<1	270	11	52	37
4420	4	7	<10	0.8	1890	<1	170	2	28	23
4421	4	4	<10	0.3	1680	<1	160	2	95	16
4422	11	10	<10	0.2	1400	<1	180	2	77	15
4423	3	21	<10	0.2	2000	<1	220	2	229	38
4424	4	14	<10	0.2	1520	<1	220	2	187	48
4425	3	8	<10	0.1	1100	<1	160	1	133	17
4426	7	22	<10	0.3	2260	<1	210	8	87	117
4427	3	34	20	0.2	1250	<1	280	5	192	33
4428	2	>300	<10	<0.1	300	<1	<10	5	160	35
4429	8	92	<10	0.2	1350	<1	220	9	605	341
4430	<1	>300	<10	<0.1	470	<1	20	4	103	44
4431	4	13	<10	0.2	1080	<1	190	3	24	116
4432	1	32	<10	0.5	890	<1	260	1	58	<5
4433	<1	>300	<10	<0.1	330	<1	<10	4	99	31
4434	<1	212	<10	<0.1	800	<1	<10	7	74	27
4435	3	78	<10	0.2	1110	<1	280	9	980	29
4436	5	24	10	0.3	1310	<1	210	3	165	46
4437	7	14	<10	0.2	1670	<1	200	3	259	30
4438	4	29	<10	0.3	1080	<1	210	3	142	50
4439	5	18	<10	0.3	1370	<1	210	3	107	31
4440	5	13	<10	0.1	860	<1	170	2	24	100
4441	12	34	<10	0.2	810	<1	310	3	17	6
4442	2	153	<10	0.2	940	<1	180	19	232	56
4443	5	18	<10	0.2	760	<1	180	5	26	98
4444	6	27	<10	0.2	660	<1	200	4	51	194
4445	5	35	<10	0.3	1310	<1	300	5	222	105
4446	1	19	<10	<0.1	990	<1	300	2	214	98
4447	15	17	20	0.2	1340	<1	230	5	133	46
4448	4	115	<10	0.2	520	<1	230	13	411	538
4449	5	77	<10	0.2	720	<1	250	8	280	142
4450	5	27	<10	0.3	870	<1	210	5	494	118
*Rep 4381	10	>300	10	<0.1	510	<1	<10	6	72	22
*Rep 4395	8	27	<10	0.9	1260	<1	250	8	94	116
*Rep 4409	4	3	<10	<0.1	2080	<1	120	2	40	15
*Rep 4427	1	44	10	0.2	870	<1	330	4	180	38
*Rep 4431	5	13	<10	0.2	1060	<1	190	4	33	146
*Rep 4446	<1	24	<10	<0.1	1000	<1	300	3	259	155
*Std MMISRM16	22	48	20	25.6	60	<1	180	4	16	62
*Std AMIS0169	8	71	10	0.4	560	<1	30	2	734	117
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	0.2	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4376	400	6.3	180	60	29.5	21.0	131	68	77	<1
4377	300	0.9	30	5	2.7	2.4	79	132	6	2
4378	200	4.0	120	10	5.2	3.4	116	72	10	2
4379	<100	4.3	380	4	1.7	1.7	12	2	6	<1
4380	100	7.2	340	11	5.0	3.7	83	8	12	<1
4381	100	3.5	160	5	2.7	1.6	200	25	5	1
4382	500	6.9	340	20	8.6	8.2	143	81	27	1
4383	200	1.4	270	7	4.3	2.0	231	21	7	1
4384	300	7.7	210	11	6.1	3.6	176	23	12	1
4385	200	3.9	200	13	6.1	4.1	133	71	14	1
4386	300	6.0	250	17	8.6	5.7	235	30	18	<1
4387	<100	6.2	210	10	6.2	2.4	99	11	8	<1
4388	<100	8.5	330	17	7.9	3.9	89	11	14	<1
4389	<100	6.8	150	5	2.8	1.5	124	9	4	<1
4390	<100	<0.5	360	1	0.6	0.5	<1	<1	2	1
4391	200	0.6	4140	67	37.4	25.9	125	12	102	<1
4392	<100	<0.5	2430	6	3.3	1.9	13	<1	8	<1
4393	<100	3.6	890	12	5.5	4.8	18	2	17	<1
4394	<100	<0.5	1470	17	9.5	5.5	9	2	24	<1
4395	<100	<0.5	1210	12	7.4	3.8	10	<1	16	<1
4396	<100	<0.5	1440	18	10.9	4.4	3	<1	22	<1
4397	<100	<0.5	1010	10	6.2	2.9	6	<1	13	<1
4398	<100	0.5	480	11	6.4	3.6	12	<1	15	<1
4399	<100	2.1	820	15	13.0	2.7	17	1	12	<1
4400	<100	0.6	6250	38	22.9	12.7	65	5	54	<1
4401	<100	<0.5	4420	35	21.9	12.1	72	3	53	<1
4402	<100	0.7	1090	14	8.6	3.9	9	<1	18	<1
4403	<100	0.5	1100	15	7.5	6.5	17	2	26	<1
4404	<100	<0.5	4210	18	11.0	5.5	41	2	26	<1
4405	<100	0.6	5410	17	10.9	4.7	47	1	21	<1
4406	<100	0.7	2240	10	5.6	3.5	38	1	15	<1
4407	<100	0.7	6750	19	11.4	5.1	34	2	24	<1
4408	<100	<0.5	2820	12	6.5	2.9	4	<1	14	<1
4409	<100	0.9	1600	6	2.6	2.7	2	<1	9	<1
4410	<100	<0.5	7340	13	9.8	2.9	9	<1	15	<1
4411	<100	0.7	1180	6	3.1	2.5	3	<1	9	<1
4412	<100	<0.5	2320	12	6.4	3.3	8	<1	16	<1
4413	<100	<0.5	2390	20	12.9	5.6	30	1	27	<1
4414	<100	2.9	1620	11	5.6	4.8	16	2	18	<1
4415	<100	2.0	1540	19	8.6	8.0	13	3	30	<1
4416	<100	1.8	6520	19	11.4	5.7	42	3	24	<1
4417	<100	1.4	1770	12	6.0	5.3	15	2	19	<1
4418	<100	<0.5	1990	5	2.6	1.9	6	<1	7	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4419	<100	1.0	7330	13	9.2	3.3	14	<1	14	<1
4420	<100	0.5	2480	6	3.1	2.1	7	<1	9	<1
4421	<100	0.7	1310	9	4.5	3.7	6	<1	14	<1
4422	<100	0.6	3240	15	9.4	4.2	22	<1	19	<1
4423	<100	2.6	1480	13	6.4	5.7	19	3	20	<1
4424	<100	2.1	1980	14	7.7	5.4	21	2	21	<1
4425	<100	2.3	1240	11	5.3	4.2	11	1	17	<1
4426	<100	1.4	5880	17	11.6	4.2	23	2	20	<1
4427	<100	1.6	3330	16	10.0	4.9	50	3	21	<1
4428	<100	6.7	130	16	8.7	4.7	69	16	17	<1
4429	100	1.0	1010	42	23.1	16.1	13	6	64	3
4430	200	14.0	80	12	9.5	2.4	188	47	10	<1
4431	<100	<0.5	760	7	3.9	2.1	4	<1	9	<1
4432	<100	1.0	270	7	3.2	3.7	6	<1	13	<1
4433	200	4.3	100	8	4.6	2.2	100	39	8	<1
4434	<100	8.7	340	13	8.7	1.9	61	4	7	<1
4435	<100	<0.5	2050	112	53.4	43.6	14	9	179	2
4436	<100	0.8	4330	20	12.5	5.9	39	2	26	<1
4437	<100	0.6	2730	22	13.2	7.7	28	2	33	<1
4438	<100	<0.5	2950	13	7.6	4.2	32	2	18	<1
4439	<100	0.8	3960	15	8.9	4.3	25	2	20	<1
4440	<100	<0.5	900	4	2.6	1.2	2	<1	6	<1
4441	<100	1.4	730	10	4.7	3.6	6	<1	16	2
4442	<100	1.7	800	64	49.1	11.0	54	4	50	<1
4443	<100	<0.5	720	7	4.2	1.7	3	<1	9	<1
4444	<100	<0.5	800	8	4.7	2.4	10	<1	12	<1
4445	<100	<0.5	810	16	8.0	6.3	7	1	25	<1
4446	<100	<0.5	1260	8	4.5	3.6	74	2	14	<1
4447	<100	<0.5	3290	16	10.2	4.3	33	2	21	<1
4448	200	1.1	1170	25	14.3	7.8	36	4	30	<1
4449	100	0.8	620	22	12.2	8.6	30	3	34	<1
4450	<100	1.1	880	32	14.5	14.4	28	4	55	<1
*Rep 4381	200	3.3	150	5	2.8	1.7	218	28	5	1
*Rep 4395	<100	<0.5	980	15	9.1	4.5	11	<1	20	<1
*Rep 4409	<100	1.0	1530	6	2.8	2.6	2	<1	9	<1
*Rep 4427	<100	0.9	2240	11	6.8	3.6	53	2	14	<1
*Rep 4431	<100	<0.5	820	8	4.1	2.4	5	<1	10	<1
*Rep 4446	<100	<0.5	830	9	4.6	3.8	86	2	14	<1
*Std MMISRM16	<100	12.5	360	2	1.0	1.1	1	58	4	17
*Std AMISO169	<100	7.4	3680	34	14.6	13.8	41	13	50	2
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4376	<0.5	10.6	443	12	6	640	<5	36.5	462	109
4377	<0.5	4.8	33	<5	<1	60	<5	19.9	26	71
4378	0.5	9.6	73	<5	2	70	6	23.8	52	85
4379	<0.5	13.7	25	<5	62	200	<5	1.3	35	127
4380	<0.5	13.1	69	<5	1	180	<5	6.9	60	67
4381	<0.5	14.1	37	<5	2	60	<5	11.5	27	161
4382	<0.5	8.5	181	7	2	90	9	41.5	165	92
4383	<0.5	26.7	40	9	8	420	<5	16.4	35	243
4384	<0.5	11.1	71	<5	1	230	<5	19.7	70	79
4385	<0.5	14.1	88	11	5	230	<5	34.4	76	120
4386	<0.5	16.6	113	18	6	310	<5	28.6	109	129
4387	<0.5	14.9	38	<5	<1	110	<5	4.8	37	87
4388	<0.5	20.8	46	<5	2	480	<5	6.9	56	123
4389	<0.5	13.3	27	<5	1	90	<5	9.0	22	103
4390	<0.5	14.8	<1	50	45	110	<5	<0.5	4	21
4391	<0.5	15.7	811	10	24	1580	<5	6.6	880	92
4392	<0.5	15.6	5	33	92	2080	6	0.6	22	328
4393	<0.5	9.2	58	<5	59	540	9	1.1	95	229
4394	<0.5	17.1	83	9	99	3330	<5	1.0	117	142
4395	<0.5	19.4	32	13	83	1940	<5	0.6	61	134
4396	<0.5	24.7	16	63	103	600	<5	<0.5	47	100
4397	<0.5	18.1	16	6	96	11600	<5	<0.5	37	123
4398	<0.5	22.4	43	20	77	1110	<5	0.6	67	97
4399	<0.5	13.2	35	<5	82	6360	<5	<0.5	47	447
4400	<0.5	25.2	422	28	56	3360	96	4.6	398	279
4401	<0.5	20.1	162	7	36	2480	<5	2.4	271	82
4402	<0.5	10.9	20	<5	67	6470	<5	<0.5	51	91
4403	<0.5	10.5	108	14	22	1070	<5	3.0	146	49
4404	<0.5	26.1	62	18	40	2570	11	1.3	112	116
4405	<0.5	29.2	46	22	46	1680	7	0.8	86	100
4406	<0.5	16.2	51	10	29	1440	9	2.8	78	94
4407	<0.5	24.6	47	20	60	1750	67	1.4	92	114
4408	<0.5	23.8	7	28	86	330	13	<0.5	27	52
4409	<0.5	12.6	14	26	45	40	17	<0.5	36	70
4410	<0.5	26.2	11	15	127	1120	9	<0.5	31	51
4411	<0.5	12.4	14	12	47	470	12	0.9	34	26
4412	<0.5	27.5	11	19	73	1870	<5	<0.5	36	33
4413	<0.5	20.2	38	12	106	1280	14	<0.5	88	66
4414	<0.5	5.7	86	<5	23	430	<5	5.6	104	34
4415	<0.5	4.6	146	13	37	350	<5	7.4	174	94
4416	<0.5	20.0	67	30	59	2200	34	2.4	104	380
4417	<0.5	8.7	86	8	38	500	<5	6.6	103	32
4418	<0.5	16.9	9	14	46	1360	<5	<0.5	23	19

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4419	<0.5	35.8	18	21	102	2640	<5	<0.5	39	55
4420	<0.5	27.0	10	29	77	810	19	0.5	24	74
4421	<0.5	15.5	41	28	45	500	6	5.3	63	54
4422	<0.5	19.5	28	14	64	1260	<5	0.6	58	48
4423	<0.5	5.0	102	15	46	500	6	7.8	116	140
4424	<0.5	7.4	80	19	24	390	8	8.0	102	199
4425	<0.5	7.0	55	13	28	490	<5	5.2	85	85
4426	<0.5	27.1	32	20	56	650	25	1.0	59	567
4427	<0.5	19.5	73	21	42	1440	45	3.3	109	98
4428	<0.5	11.1	70	<5	2	150	<5	7.0	78	54
4429	<0.5	15.7	396	<5	55	21500	<5	1.6	404	178
4430	<0.5	16.2	47	29	11	1020	<5	25.4	44	144
4431	<0.5	30.1	11	52	84	6920	<5	<0.5	22	71
4432	<0.5	10.6	41	<5	69	50	<5	<0.5	63	40
4433	<0.5	11.1	51	10	5	140	<5	20.8	41	164
4434	<0.5	13.7	22	<5	2	50	<5	3.0	25	54
4435	<0.5	18.8	692	6	94	1360	<5	1.0	914	205
4436	<0.5	20.2	56	10	56	2700	41	1.6	104	89
4437	<0.5	15.3	96	7	60	2610	<5	1.9	150	50
4438	<0.5	28.2	52	15	56	4450	81	1.2	82	209
4439	<0.5	40.9	38	25	64	3030	60	0.7	74	153
4440	<0.5	16.5	8	27	79	10900	<5	<0.5	16	40
4441	<0.5	14.1	12	<5	121	240	<5	<0.5	40	66
4442	<0.5	15.5	125	<5	70	1230	<5	0.8	173	244
4443	<0.5	18.6	7	33	88	8620	8	<0.5	19	120
4444	<0.5	13.2	18	12	56	4360	<5	0.8	32	115
4445	<0.5	15.6	68	<5	94	1270	<5	<0.5	98	97
4446	<0.5	22.0	72	26	55	4540	6	2.5	93	242
4447	<0.5	22.2	50	17	82	4340	26	3.1	74	49
4448	<0.5	14.2	137	<5	67	29600	7	3.5	176	186
4449	<0.5	13.6	167	5	71	14400	<5	1.7	204	146
4450	<0.5	10.3	242	10	76	2100	<5	1.4	314	154
*Rep 4381	<0.5	11.3	38	<5	1	40	<5	12.4	27	191
*Rep 4395	<0.5	18.5	31	13	80	1750	<5	<0.5	67	100
*Rep 4409	<0.5	12.1	15	25	41	40	17	<0.5	39	88
*Rep 4427	<0.5	13.8	77	16	41	1540	31	2.6	88	127
*Rep 4431	<0.5	28.9	16	51	86	8650	<5	<0.5	28	78
*Rep 4446	<0.5	20.5	81	22	55	13500	8	2.4	104	307
*Std MMISRM16	<0.5	38.5	4	<5	30	80	53	<0.5	14	143
*Std AMISO169	<0.5	41.5	364	<5	34	3320	<5	3.8	346	477
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	7	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4376	9.8	200	<1	114	<1	146	<1	94	87	4
4377	7.8	230	<1	7	<1	32	<1	30	6	5
4378	9.2	790	<1	14	<1	78	1	34	11	5
4379	0.5	20	<1	8	<1	156	<1	5	7	<1
4380	3.7	280	<1	15	<1	178	<1	36	13	<1
4381	4.7	40	<1	7	<1	240	<1	25	6	1
4382	14.0	180	<1	42	<1	147	<1	71	34	8
4383	7.0	100	<1	9	<1	246	<1	34	7	2
4384	5.2	190	<1	18	<1	205	<1	43	14	<1
4385	8.5	180	<1	20	<1	146	1	48	16	9
4386	8.5	330	<1	28	<1	263	<1	55	22	2
4387	0.9	150	<1	9	<1	255	<1	30	8	<1
4388	1.5	310	<1	13	<1	302	<1	35	13	<1
4389	1.7	230	<1	6	<1	190	<1	24	5	<1
4390	<0.1	20	<1	<1	<1	38	<1	<5	1	<1
4391	0.6	450	<1	233	<1	122	<1	57	129	<1
4392	0.2	60	<1	4	<1	113	<1	5	7	<1
4393	0.3	120	<1	21	<1	59	<1	9	19	<1
4394	0.2	70	<1	26	<1	43	<1	10	22	<1
4395	0.1	50	<1	13	<1	56	<1	10	13	<1
4396	<0.1	160	<1	8	<1	12	<1	7	14	<1
4397	0.1	50	<1	7	<1	53	<1	10	9	<1
4398	0.2	30	<1	15	<1	55	<1	12	13	<1
4399	0.2	190	<1	11	<1	105	<1	19	10	<1
4400	0.4	480	<1	104	<1	57	1	32	59	<1
4401	0.2	210	<1	58	<1	36	<1	16	50	<1
4402	0.1	30	<1	9	<1	85	<1	11	13	<1
4403	0.4	210	<1	32	<1	91	<1	7	26	<1
4404	0.3	650	<1	24	<1	83	2	9	22	<1
4405	0.1	980	<1	18	<1	155	3	<5	18	<1
4406	0.6	230	<1	17	<1	141	<1	7	14	<1
4407	0.3	1220	<1	19	<1	44	3	9	20	<1
4408	<0.1	840	<1	4	<1	42	3	<5	9	<1
4409	<0.1	260	<1	7	<1	87	2	<5	9	<1
4410	<0.1	990	<1	5	<1	107	2	<5	8	<1
4411	<0.1	210	<1	6	<1	101	<1	<5	9	<1
4412	<0.1	550	<1	6	<1	44	2	<5	11	<1
4413	<0.1	590	<1	17	<1	56	<1	<5	20	<1
4414	0.6	210	<1	24	<1	183	<1	7	19	<1
4415	0.5	230	<1	42	<1	104	<1	11	31	<1
4416	0.3	830	<1	23	<1	170	4	13	21	<1
4417	0.5	240	<1	25	<1	79	<1	7	20	<1
4418	<0.1	220	<1	4	<1	192	<1	<5	6	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4419	<0.1	990	<1	7	<1	188	2	<5	9	<1
4420	<0.1	280	<1	4	<1	47	<1	<5	6	<1
4421	0.5	220	<1	13	<1	42	<1	<5	13	<1
4422	<0.1	520	<1	11	<1	113	<1	<5	14	<1
4423	0.7	240	<1	29	<1	96	1	11	20	<1
4424	1.0	220	<1	24	<1	218	2	7	20	<1
4425	0.5	160	<1	18	<1	61	<1	6	17	<1
4426	0.2	1140	<1	12	<1	147	6	6	15	<1
4427	0.3	630	<1	25	<1	89	3	15	20	<1
4428	3.0	150	<1	19	<1	116	<1	28	17	<1
4429	0.4	30	<1	103	<1	144	<1	37	66	<1
4430	3.4	250	<1	11	<1	209	<1	43	9	2
4431	<0.1	40	<1	4	<1	55	<1	6	6	<1
4432	0.1	<10	<1	13	<1	100	<1	5	12	<1
4433	6.3	60	<1	11	<1	131	<1	35	7	3
4434	0.4	240	<1	6	<1	276	<1	25	6	<1
4435	0.2	40	<1	213	<1	96	<1	52	168	<1
4436	0.2	570	<1	22	<1	146	2	9	22	<1
4437	0.2	420	<1	33	<1	94	1	6	28	<1
4438	0.2	630	<1	18	<1	67	1	7	15	<1
4439	0.4	990	<1	15	<1	84	2	6	16	<1
4440	<0.1	40	<1	3	<1	13	<1	<5	4	<1
4441	0.1	<10	<1	7	<1	104	<1	8	12	<1
4442	0.2	300	<1	40	<1	166	<1	54	38	<1
4443	<0.1	50	<1	3	<1	52	<1	<5	6	<1
4444	0.1	80	<1	6	<1	40	<1	<5	7	<1
4445	0.2	40	<1	22	<1	68	<1	14	21	<1
4446	0.3	70	<1	22	<1	77	<1	6	15	<1
4447	0.2	230	<1	16	<1	37	<1	<5	16	<1
4448	0.5	80	<1	43	<1	113	<1	34	31	<1
4449	0.4	40	<1	49	<1	105	<1	18	34	<1
4450	0.3	30	<1	73	<1	125	<1	20	55	<1
*Rep 4381	5.0	40	<1	7	<1	228	<1	26	6	2
*Rep 4395	0.1	70	<1	13	<1	52	<1	11	16	<1
*Rep 4409	<0.1	220	<1	7	<1	84	3	<5	9	<1
*Rep 4427	0.3	410	<1	21	<1	72	2	13	15	<1
*Rep 4431	<0.1	50	<1	5	<1	59	<1	7	7	<1
*Rep 4446	0.3	30	<1	26	<1	78	<1	9	17	<1
*Std MMISRM16	0.3	70	29	2	<1	197	<1	25	4	<1
*Std AMIS0169	3.4	130	<1	90	<1	216	<1	58	71	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4376	140	3	12	<10	119	7250	0.6	18	2	300
4377	130	2	<1	<10	25.8	4290	<0.5	7	<1	23
4378	60	2	2	<10	44.9	5670	0.7	9	1	46
4379	290	<1	<1	<10	13.4	168	<0.5	15	1	18
4380	40	<1	2	<10	46.1	1270	0.6	8	<1	41
4381	90	<1	<1	<10	20.7	2370	0.6	8	<1	22
4382	50	4	4	<10	82.3	10900	0.9	26	3	78
4383	180	1	1	<10	32.8	3490	0.6	7	1	33
4384	30	1	2	<10	66.8	2500	0.7	14	1	49
4385	60	3	2	<10	53.6	12100	0.7	15	3	50
4386	110	2	3	<10	108	5100	1.1	11	2	66
4387	20	<1	2	<10	21.6	927	<0.5	8	<1	40
4388	60	<1	3	<10	34.6	1280	1.0	9	<1	63
4389	30	<1	<1	<10	31.2	1360	0.9	6	<1	16
4390	680	<1	<1	<10	1.7	10	<0.5	2	<1	8
4391	670	<1	15	<10	184	347	0.9	20	3	374
4392	350	<1	1	<10	18.0	<3	<0.5	27	<1	31
4393	260	<1	3	<10	11.4	35	0.9	53	<1	52
4394	610	<1	3	<10	43.2	34	<0.5	46	<1	67
4395	480	<1	2	<10	31.4	15	<0.5	85	<1	51
4396	560	<1	3	<10	13.5	5	<0.5	18	<1	72
4397	560	<1	2	<10	21.1	16	<0.5	25	<1	40
4398	640	<1	2	<10	28.7	12	<0.5	55	<1	48
4399	1110	<1	2	<10	20.3	26	0.5	144	<1	75
4400	2130	<1	8	<10	103	139	<0.5	88	2	198
4401	950	<1	7	<10	90.5	90	<0.5	11	2	189
4402	920	<1	3	<10	23.0	8	0.7	9	<1	60
4403	370	<1	3	<10	34.4	193	<0.5	12	1	79
4404	520	<1	4	<10	64.5	87	0.6	27	4	87
4405	700	<1	3	<10	61.7	47	<0.5	14	2	83
4406	460	<1	2	<10	46.2	240	<0.5	15	2	56
4407	1730	<1	4	<10	69.5	127	<0.5	28	2	85
4408	430	<1	2	<10	15.8	4	0.7	50	<1	49
4409	270	<1	1	<10	8.5	13	<0.5	175	<1	27
4410	690	<1	2	<10	14.7	<3	<0.5	16	<1	58
4411	250	<1	1	<10	10.6	61	<0.5	18	<1	29
4412	380	<1	2	<10	18.5	<3	<0.5	24	<1	52
4413	690	<1	4	<10	30.3	29	<0.5	26	<1	93
4414	280	<1	2	<10	49.0	476	0.9	9	<1	49
4415	220	<1	4	<10	60.9	534	1.1	15	2	74
4416	850	<1	4	<10	75.2	304	<0.5	87	2	89
4417	280	<1	3	<10	50.5	559	0.6	14	1	53
4418	390	<1	1	<10	9.8	8	<0.5	15	<1	25

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4419	730	<1	2	<10	20.5	36	<0.5	9	2	54
4420	520	<1	1	<10	13.8	21	<0.5	276	<1	26
4421	890	<1	2	<10	24.3	300	<0.5	40	2	41
4422	850	<1	3	<10	40.3	40	<0.5	2	1	68
4423	370	<1	3	<10	56.1	669	<0.5	35	3	53
4424	500	<1	3	<10	68.7	770	<0.5	74	4	64
4425	600	<1	2	<10	39.2	338	<0.5	33	5	47
4426	490	<1	3	<10	32.8	140	<0.5	61	4	78
4427	550	<1	3	<10	68.3	315	<0.5	26	2	78
4428	20	<1	3	<10	38.7	1870	0.6	6	<1	60
4429	370	<1	9	<10	113	162	0.8	61	<1	197
4430	90	2	2	<10	38.4	5310	0.9	5	1	55
4431	380	<1	1	<10	8.6	32	<0.5	5	<1	32
4432	450	<1	2	<10	26.2	43	<0.5	11	<1	28
4433	80	2	1	<10	34.7	6340	0.5	11	2	30
4434	20	<1	2	<10	34.0	883	0.9	7	<1	46
4435	830	<1	25	<10	162	39	0.6	59	<1	515
4436	400	<1	4	<10	70.2	87	0.5	45	2	89
4437	450	<1	5	<10	70.0	131	0.8	12	1	98
4438	490	<1	3	<10	46.5	40	<0.5	51	3	58
4439	680	<1	3	<10	45.3	73	<0.5	37	4	65
4440	540	<1	<1	<10	8.0	<3	<0.5	3	<1	20
4441	360	<1	2	<10	18.7	<3	<0.5	11	<1	40
4442	320	<1	9	<10	69.0	42	<0.5	24	<1	295
4443	410	<1	1	<10	9.3	<3	<0.5	12	<1	31
4444	310	<1	2	<10	23.5	75	<0.5	4	<1	33
4445	370	<1	3	<10	27.3	33	<0.5	11	<1	58
4446	1440	<1	2	<10	35.0	52	<0.5	59	3	39
4447	1560	<1	3	<10	48.1	343	<0.5	9	1	68
4448	330	<1	5	<10	128	151	0.7	51	<1	97
4449	430	<1	5	<10	82.5	67	0.7	35	<1	95
4450	440	<1	7	<10	90.1	138	1.1	10	<1	132
*Rep 4381	90	<1	<1	<10	20.9	2510	0.6	8	<1	24
*Rep 4395	460	<1	3	<10	30.4	25	<0.5	48	<1	62
*Rep 4409	250	<1	1	<10	8.0	14	0.7	162	<1	27
*Rep 4427	550	<1	2	<10	47.0	160	<0.5	29	<1	54
*Rep 4431	350	<1	1	<10	12.4	12	<0.5	6	<1	32
*Rep 4446	1490	<1	2	<10	27.7	62	<0.5	75	2	42
*Std MMISRM16	430	<1	<1	<10	21.2	10	<0.5	54	<1	10
*Std AMISO169	60	<1	8	<10	92.3	444	<0.5	31	2	113
*Bik BLANK	<10	<1	<1	<10	<0.5	86	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111399 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4376	22	120	221
4377	2	90	56
4378	4	310	80
4379	1	260	12
4380	4	760	62
4381	2	100	47
4382	6	90	150
4383	4	670	63
4384	5	100	110
4385	5	80	174
4386	7	350	196
4387	5	30	35
4388	6	430	52
4389	2	120	52
4390	<1	60	<5
4391	35	20	156
4392	3	130	10
4393	5	240	6
4394	9	110	54
4395	7	50	36
4396	10	60	14
4397	6	50	23
4398	6	100	24
4399	13	580	19
4400	22	40	65
4401	21	<20	136
4402	8	120	22
4403	6	<20	68
4404	11	<20	50
4405	11	30	43
4406	5	<20	56
4407	12	20	71
4408	7	<20	21
4409	2	<20	27
4410	10	<20	11
4411	3	<20	44
4412	6	<20	11
4413	13	<20	24
4414	5	20	101
4415	7	<20	112
4416	12	40	81
4417	5	<20	145
4418	2	<20	30

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Final : TO111399 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4419	9	<20	22
4420	3	<20	36
4421	4	<20	63
4422	9	<20	64
4423	6	<20	94
4424	7	<20	112
4425	4	<20	64
4426	11	40	41
4427	10	170	84
4428	7	90	57
4429	20	120	89
4430	8	360	91
4431	3	70	11
4432	2	40	18
4433	4	160	62
4434	7	120	43
4435	41	400	60
4436	13	20	65
4437	12	<20	99
4438	8	30	30
4439	9	20	32
4440	2	60	6
4441	4	90	14
4442	44	640	43
4443	4	110	8
4444	4	40	35
4445	7	60	32
4446	4	30	13
4447	10	30	70
4448	14	160	96
4449	11	110	45
4450	12	100	57
*Rep 4381	3	100	47
*Rep 4395	8	40	40
*Rep 4409	2	<20	28
*Rep 4427	7	130	47
*Rep 4431	4	50	14
*Rep 4446	5	60	9
*Std MMISRM16	<1	260	29
*Std AMIS0169	12	220	51
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111205

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 01, 2010

P.O. No. : EXPL-005
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 04, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
3301	5	186	<10	0.1	2470	<1	230	15	1730	181
3302	11	31	<10	0.2	2110	<1	200	2	290	14
3303	2	266	50	0.4	510	3	20	7	92	54
3304	4	194	<10	0.1	770	<1	190	24	671	116
3305	13	14	<10	0.1	1150	<1	530	4	15	163
3306	3	19	10	0.2	1400	<1	370	5	225	112
3307	4	36	<10	0.2	1310	<1	340	7	61	43
3308	14	88	<10	0.2	2710	<1	550	13	437	69
3309	21	141	10	<0.1	1230	1	250	16	152	269
3310	9	14	<10	<0.1	2590	<1	360	5	289	90
3311	8	14	10	0.5	1460	<1	290	5	73	29
3312	3	65	<10	0.1	1450	<1	290	4	358	45
3313	7	>300	30	<0.1	310	<1	<10	20	50	15
3314	3	213	40	<0.1	320	1	<10	23	36	33
3315	2	226	30	<0.1	340	2	<10	20	37	33
3316	4	225	10	<0.1	860	<1	<10	11	144	27
3317	2	206	<10	<0.1	550	<1	190	4	424	21
3318	5	>300	20	<0.1	1590	<1	<10	10	118	43
3319	5	248	20	<0.1	370	<1	40	12	59	17
3320	3	162	40	<0.1	550	4	10	9	70	8
3321	2	195	<10	<0.1	1010	<1	<10	18	368	22
3322	5	>300	20	<0.1	450	<1	10	15	46	48
3323	2	215	<10	<0.1	410	<1	<10	4	230	17
3324	7	24	<10	0.2	1740	<1	310	3	85	13
3325	6	14	<10	0.3	1340	<1	320	3	38	100
3326	3	112	<10	0.1	1240	<1	290	6	538	50
3327	2	219	20	<0.1	1940	<1	50	16	1270	83
3328	7	21	10	0.1	1950	<1	310	5	26	129
3329	11	13	30	0.1	2580	<1	210	7	39	100
3330	7	21	20	<0.1	1500	<1	300	3	68	65
3331	7	23	30	0.2	1960	<1	340	4	198	65
3332	4	87	20	0.1	1920	1	270	4	1370	64
3333	2	>300	<10	<0.1	1690	<1	10	13	142	49
3334	6	273	<10	<0.1	590	<1	40	3	287	68
3335	2	>300	20	<0.1	1570	<1	<10	10	229	41
3336	<1	>300	10	<0.1	790	<1	<10	3	115	18
3337	<1	218	<10	<0.1	1350	<1	<10	2	1280	31
3338	3	>300	<10	<0.1	1890	<1	<10	5	122	29
3339	2	>300	<10	<0.1	2280	<1	<10	8	162	42
3340	3	>300	10	<0.1	1410	<1	<10	7	121	27
3341	3	>300	10	<0.1	940	<1	<10	4	95	21
3342	11	80	<10	0.4	2160	<1	310	12	385	70
3343	11	48	<10	<0.1	1750	<1	530	11	18	22

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
3344	8	24	10	0.3	1550	<1	370	9	210	96
3345	5	60	<10	0.2	1170	<1	390	3	10	18
3346	5	102	10	0.2	1190	<1	340	4	757	56
3347	1	208	30	<0.1	220	1	<10	6	39	11
3348	4	>300	50	<0.1	420	<1	10	18	82	33
3349	<1	204	50	<0.1	450	3	10	6	51	<5
3350	1	99	<10	<0.1	110	3	<10	4	21	8
3351	3	278	50	<0.1	410	2	<10	6	80	9
3352	2	>300	30	<0.1	610	2	<10	10	222	18
3353	22	28	10	0.3	1900	<1	340	9	265	113
3354	13	22	<10	0.2	930	<1	340	3	5	59
3355	8	156	<10	0.1	550	<1	310	7	348	17
3356	7	27	<10	0.2	1140	<1	300	6	73	55
3357	5	31	<10	<0.1	1010	<1	380	10	173	20
3358	14	20	20	0.2	1320	<1	310	15	124	81
3359	2	>300	20	0.2	2740	<1	40	5	1030	122
3360	2	>300	10	0.2	1120	<1	190	13	318	26
3361	2	>300	20	<0.1	1670	<1	30	5	690	52
3362	6	47	10	0.2	1510	<1	350	5	532	270
3363	5	66	10	0.3	1820	<1	280	7	1620	441
3364	14	27	<10	0.2	860	<1	310	8	42	138
3365	4	243	10	<0.1	320	<1	<10	10	681	50
3366	8	189	10	0.1	3050	<1	<10	10	376	39
3367	2	211	10	<0.1	1520	<1	60	8	268	292
3368	4	141	10	0.4	980	<1	240	23	749	303
3369	9	46	<10	0.2	840	<1	400	22	94	182
3370	3	>300	10	<0.1	1750	<1	20	15	592	182
3371	3	228	20	0.1	2280	<1	70	15	803	330
3372	8	193	20	0.3	2000	1	110	17	1120	225
3373	13	49	<10	0.2	1580	<1	420	13	513	347
3374	3	281	10	<0.1	1120	<1	<10	16	262	45
3375	1	>300	30	<0.1	860	1	10	5	1190	54
*Rep 3306	3	19	<10	0.3	1110	<1	320	2	152	105
*Rep 3316	4	222	10	<0.1	810	<1	<10	11	148	30
*Rep 3327	2	224	10	0.3	1480	<1	50	7	1430	99
*Rep 3345	5	65	<10	0.2	1180	<1	490	5	20	18
*Rep 3360	4	264	<10	0.2	1450	<1	270	5	495	21
*Rep 3370	3	>300	20	<0.1	2080	<1	30	14	1070	168
*Std MMISRM16	21	51	20	32.6	60	<1	240	4	17	65
*Std AMIS0169	11	81	20	0.4	810	<1	40	2	1010	164
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3301	200	0.8	790	118	67.2	31.7	93	13	139	<1
3302	<100	2.0	240	16	6.1	9.3	14	3	33	<1
3303	600	6.8	1500	17	9.1	4.2	188	42	16	<1
3304	<100	6.7	320	68	34.1	17.9	75	9	71	<1
3305	<100	<0.5	1130	7	5.2	1.2	4	<1	7	<1
3306	<100	0.6	2270	16	9.3	2.8	65	4	22	<1
3307	<100	0.6	650	10	5.4	3.1	12	1	14	<1
3308	100	2.8	5120	14	8.3	4.2	34	4	17	<1
3309	<100	2.8	6290	15	15.0	2.7	325	5	12	<1
3310	<100	0.7	1510	16	7.7	5.8	10	2	25	<1
3311	<100	0.7	470	11	5.4	3.7	21	2	16	<1
3312	<100	0.8	480	32	16.3	11.0	23	3	46	<1
3313	100	3.4	150	6	3.9	1.7	119	37	5	<1
3314	100	2.3	290	3	2.9	0.5	280	31	2	<1
3315	100	2.3	270	3	3.1	0.6	263	28	2	<1
3316	<100	4.1	130	21	12.6	5.6	92	15	22	<1
3317	100	5.5	110	23	9.9	8.9	53	15	32	<1
3318	200	6.0	190	11	7.2	2.7	144	16	9	<1
3319	100	3.2	130	12	6.5	2.1	201	43	8	<1
3320	100	2.9	150	5	2.6	1.6	88	49	5	<1
3321	<100	5.4	200	56	29.4	13.0	33	13	55	<1
3322	100	2.6	240	5	3.6	1.0	189	13	4	<1
3323	100	5.6	60	17	8.8	7.5	81	31	23	<1
3324	<100	1.6	270	9	3.8	5.1	6	1	18	<1
3325	<100	0.9	450	7	3.0	2.8	3	<1	12	<1
3326	<100	3.4	230	20	8.4	8.7	24	6	33	<1
3327	200	4.8	990	101	56.9	26.8	285	20	111	<1
3328	<100	0.7	4750	6	3.7	1.4	12	1	7	<1
3329	<100	<0.5	5810	11	7.3	2.3	17	<1	12	<1
3330	<100	0.5	2940	10	6.0	2.9	12	<1	14	<1
3331	<100	<0.5	4090	20	11.6	6.4	42	2	29	<1
3332	300	0.6	2470	45	21.5	19.9	42	8	69	<1
3333	<100	4.4	230	24	16.0	4.3	132	20	17	<1
3334	<100	3.4	510	114	78.5	11.6	124	15	62	<1
3335	100	6.1	240	19	10.4	5.3	118	17	20	<1
3336	<100	2.0	60	10	6.3	2.9	86	37	11	<1
3337	<100	3.8	520	180	82.7	46.1	46	18	202	<1
3338	<100	6.3	170	8	4.2	2.4	84	8	8	<1
3339	100	7.3	290	12	6.5	3.3	92	8	11	<1
3340	200	4.9	150	7	4.2	2.4	187	21	8	<1
3341	200	6.2	140	6	3.0	2.2	136	10	6	<1
3342	<100	0.6	660	42	20.4	16.9	30	5	66	<1
3343	<100	1.8	830	11	5.6	4.1	9	<1	18	3

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
3344	<100	<0.5	4610	18	11.3	5.6	35	2	25	<1
3345	<100	0.6	430	6	3.7	1.8	8	<1	9	1
3346	200	0.8	840	38	19.9	13.1	49	6	55	<1
3347	100	2.4	40	3	1.7	1.5	45	54	4	<1
3348	200	4.5	200	7	3.3	2.5	175	38	7	1
3349	200	3.1	130	4	2.4	1.7	80	59	5	<1
3350	<100	1.2	70	6	3.0	2.1	75	17	7	1
3351	100	4.0	130	6	3.3	2.8	116	138	8	<1
3352	200	6.1	410	13	6.6	5.4	102	116	17	<1
3353	200	0.9	7680	24	14.5	7.2	51	3	33	<1
3354	<100	<0.5	1070	18	13.3	3.1	5	<1	19	2
3355	100	2.7	430	19	11.0	5.7	71	5	23	<1
3356	<100	<0.5	930	10	4.9	3.4	7	<1	15	<1
3357	<100	2.1	450	6	2.6	2.5	6	1	10	<1
3358	<100	<0.5	6380	19	11.8	5.2	27	2	25	<1
3359	200	4.8	520	79	36.0	22.6	150	29	92	<1
3360	<100	2.4	270	49	30.3	8.9	140	25	69	<1
3361	200	7.9	270	50	25.9	13.4	173	30	51	<1
3362	100	<0.5	1430	24	12.1	9.0	48	5	36	<1
3363	200	0.8	2340	42	24.4	16.1	92	12	63	<1
3364	<100	<0.5	1140	12	8.2	2.8	10	<1	15	<1
3365	200	8.9	360	34	13.3	14.3	67	13	49	<1
3366	<100	6.9	390	73	37.5	17.2	25	9	71	<1
3367	<100	1.8	300	44	25.9	7.1	174	10	34	<1
3368	300	<0.5	810	73	48.6	21.2	49	9	93	<1
3369	<100	0.6	970	6	2.9	2.3	12	1	10	<1
3370	200	5.1	400	45	21.7	11.9	182	24	48	<1
3371	200	1.4	590	72	50.7	17.9	146	14	77	<1
3372	200	3.7	1230	101	64.7	26.6	254	20	109	<1
3373	100	0.8	2210	17	9.9	6.6	32	4	27	<1
3374	<100	6.1	400	42	22.3	9.5	91	22	38	<1
3375	400	9.9	270	40	16.5	17.5	222	85	60	<1
*Rep 3306	<100	<0.5	2270	10	6.2	1.0	47	2	13	<1
*Rep 3316	<100	3.9	130	24	14.6	6.1	84	15	23	<1
*Rep 3327	100	2.3	770	82	42.7	28.0	283	11	120	<1
*Rep 3345	<100	0.7	430	6	3.4	1.8	9	<1	8	1
*Rep 3360	<100	2.7	350	49	24.7	15.0	125	22	62	<1
*Rep 3370	300	4.7	420	57	25.6	19.0	189	28	73	<1
*Std MMISRM16	<100	12.7	710	2	0.9	1.0	3	<1	4	15
*Std AMISO169	100	9.1	6250	38	16.1	14.5	59	19	60	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3301	<0.5	21.0	681	10	80	5800	<5	6.4	760	161
3302	<0.5	6.3	159	<5	64	290	<5	1.8	221	32
3303	<0.5	7.9	38	<5	3	960	19	4.6	49	118
3304	<0.5	5.6	263	<5	28	7370	<5	3.5	332	252
3305	<0.5	23.1	6	48	144	13200	<5	<0.5	15	98
3306	<0.5	19.8	64	7	53	10900	<5	6.6	51	67
3307	<0.5	17.0	28	35	84	3570	<5	1.0	48	111
3308	<0.5	26.6	124	16	56	3580	36	7.0	124	134
3309	<0.5	19.0	66	51	68	7150	27	7.6	71	457
3310	<0.5	16.1	112	22	87	230	<5	1.4	135	98
3311	<0.5	11.6	41	<5	97	660	<5	3.0	57	39
3312	<0.5	18.1	214	<5	70	1150	<5	2.2	262	77
3313	<0.5	7.9	23	<5	1	490	<5	5.5	24	45
3314	<0.5	12.8	12	7	4	3020	<5	20.0	10	95
3315	<0.5	12.7	13	7	4	3160	<5	18.6	11	89
3316	<0.5	11.6	58	<5	<1	800	<5	7.3	82	25
3317	<0.5	16.6	173	6	26	480	<5	6.4	185	44
3318	<0.5	14.4	35	<5	2	1590	<5	12.9	40	48
3319	<0.5	12.3	22	<5	25	830	<5	12.1	29	41
3320	<0.5	10.9	31	7	4	770	6	40.9	27	24
3321	<0.5	17.8	125	<5	2	1140	<5	3.5	246	36
3322	<0.5	9.7	18	8	4	620	<5	7.9	14	106
3323	<0.5	9.2	78	<5	<1	260	<5	8.7	122	24
3324	<0.5	12.5	71	<5	77	570	<5	<0.5	105	45
3325	<0.5	11.0	19	<5	78	1630	<5	<0.5	41	47
3326	<0.5	18.4	170	<5	53	2260	<5	2.4	207	75
3327	<0.5	14.8	706	<5	15	22200	<5	13.2	676	119
3328	<0.5	33.3	10	38	89	2740	227	0.7	20	440
3329	<0.5	43.8	13	27	79	5830	95	0.6	31	328
3330	<0.5	25.8	22	25	75	7340	50	1.3	47	176
3331	<0.5	37.6	70	27	73	7970	61	1.6	135	170
3332	<0.5	10.9	681	<5	69	1690	<5	12.6	584	85
3333	<0.5	12.4	49	5	8	500	<5	7.9	74	113
3334	<0.5	5.7	98	<5	18	270	<5	7.1	184	150
3335	<0.5	10.8	107	<5	2	100	<5	9.0	99	64
3336	<0.5	11.1	61	<5	2	140	<5	7.7	58	58
3337	<0.5	25.4	461	<5	4	1120	<5	7.8	941	98
3338	<0.5	12.9	47	9	3	180	<5	5.7	48	76
3339	<0.5	20.6	64	7	2	210	<5	6.5	65	89
3340	<0.5	14.3	50	6	3	110	<5	12.9	47	96
3341	<0.5	10.4	39	<5	1	50	<5	5.2	39	64
3342	<0.5	17.2	377	7	99	7940	<5	4.3	426	198
3343	<0.5	13.0	43	<5	121	340	<5	<0.5	74	155

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
3344	<0.5	24.2	67	19	78	5870	12	3.7	119	109
3345	<0.5	19.7	12	<5	89	830	<5	0.8	26	70
3346	<0.5	14.7	356	10	72	1020	<5	6.5	379	122
3347	<0.5	7.7	20	<5	3	290	<5	7.8	20	26
3348	<0.5	10.1	42	<5	2	660	<5	12.4	39	74
3349	<0.5	11.8	27	6	3	350	<5	29.4	25	31
3350	<0.5	17.7	10	<5	1	100	<5	10.9	10	18
3351	<0.5	16.0	47	7	3	270	6	35.7	44	31
3352	<0.5	13.1	128	10	3	120	9	33.0	101	51
3353	<0.5	27.2	93	7	58	2350	19	3.7	169	179
3354	<0.5	19.5	7	<5	151	1470	<5	<0.5	29	72
3355	<0.5	12.1	130	<5	47	310	<5	3.5	144	101
3356	<0.5	16.4	24	16	82	490	<5	0.8	51	94
3357	<0.5	15.4	21	27	67	2440	14	<0.5	43	138
3358	<0.5	29.3	46	39	70	4090	83	1.0	99	387
3359	<0.5	21.1	443	17	18	2560	<5	18.0	542	111
3360	<0.5	18.9	242	11	50	930	<5	12.1	296	69
3361	<0.5	16.4	297	14	9	1740	<5	19.0	315	89
3362	<0.5	16.7	220	<5	112	8900	<5	5.2	254	76
3363	<0.5	20.7	632	<5	74	24200	5	7.6	588	125
3364	<0.5	15.9	20	7	125	5670	<5	<0.5	41	197
3365	<0.5	8.9	194	<5	<1	490	6	4.0	265	56
3366	<0.5	26.0	191	<5	4	620	<5	5.5	351	37
3367	<0.5	17.2	99	7	32	5750	<5	9.5	141	165
3368	<0.5	28.6	459	<5	61	7340	<5	3.1	587	204
3369	<0.5	14.2	30	<5	89	6780	<5	1.1	48	151
3370	<0.5	14.0	262	16	7	3750	<5	13.4	278	193
3371	<0.5	11.6	334	5	26	7390	<5	10.4	425	206
3372	<0.5	19.9	543	9	39	4960	<5	18.6	678	609
3373	<0.5	15.2	192	5	83	16200	<5	1.4	221	139
3374	<0.5	25.8	95	9	5	870	<5	11.0	159	78
3375	<0.5	9.9	474	24	5	1850	10	39.6	446	62
*Rep 3306	<0.5	17.3	46	36	39	9380	15	3.6	32	44
*Rep 3316	<0.5	11.8	56	<5	<1	860	<5	6.7	90	27
*Rep 3327	<0.5	14.6	727	<5	12	17600	<5	16.3	745	74
*Rep 3345	<0.5	21.9	17	<5	94	790	<5	0.9	32	96
*Rep 3360	<0.5	23.1	288	<5	70	910	<5	11.6	339	58
*Rep 3370	<0.5	13.0	493	13	8	4660	<5	17.2	482	178
*Std MMISRM16	<0.5	43.9	4	<5	36	110	57	<0.5	13	240
*Std AMISO169	<0.5	53.3	508	<5	39	4750	5	4.4	484	652
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3301	1.0	380	<1	185	<1	117	<1	122	146	<1
3302	0.4	30	<1	50	<1	128	<1	12	42	<1
3303	42.0	450	<1	11	<1	80	1	54	13	2
3304	1.3	240	<1	78	<1	120	<1	50	72	<1
3305	<0.1	30	<1	3	<1	49	<1	<5	4	<1
3306	0.4	80	<1	10	<1	24	<1	14	11	<1
3307	0.3	40	<1	10	<1	54	<1	11	12	<1
3308	0.3	890	<1	32	<1	125	1	21	20	<1
3309	0.5	320	<1	18	<1	155	<1	56	14	<1
3310	0.1	80	<1	31	<1	125	<1	7	25	<1
3311	0.3	30	<1	12	<1	81	<1	9	14	<1
3312	0.3	60	<1	60	<1	116	<1	18	48	<1
3313	7.2	320	<1	6	<1	79	1	24	6	<1
3314	8.7	420	<1	2	<1	132	<1	27	2	4
3315	9.1	450	<1	3	<1	135	1	28	2	3
3316	1.5	370	<1	18	<1	180	<1	49	20	<1
3317	1.3	70	<1	47	<1	160	<1	32	37	<1
3318	3.7	570	<1	10	<1	295	<1	48	10	1
3319	7.5	580	<1	6	<1	216	<1	29	7	1
3320	7.6	480	<1	7	<1	94	<1	26	6	20
3321	0.6	610	<1	50	<1	191	<1	63	53	<1
3322	4.1	390	<1	4	<1	100	<1	21	3	1
3323	0.9	290	<1	26	<1	119	<1	47	25	1
3324	0.1	10	<1	23	<1	136	<1	8	20	<1
3325	<0.1	40	<1	7	<1	134	<1	<5	10	<1
3326	0.3	60	<1	49	<1	175	<1	18	40	<1
3327	1.3	220	<1	178	<1	219	<1	93	123	<1
3328	0.1	720	<1	4	<1	184	4	<5	5	<1
3329	0.2	970	<1	6	<1	51	4	<5	8	<1
3330	0.3	570	<1	9	<1	47	2	5	11	<1
3331	0.3	650	<1	28	<1	32	2	9	29	<1
3332	2.1	210	<1	155	<1	97	<1	53	92	<1
3333	2.8	260	<1	17	<1	208	<1	38	17	<1
3334	1.6	360	<1	38	<1	91	<1	86	48	<1
3335	1.9	160	<1	25	<1	253	<1	45	21	<1
3336	2.9	120	<1	15	<1	167	<1	28	11	1
3337	0.7	310	<1	192	<1	468	<1	158	201	<1
3338	2.3	110	<1	12	<1	382	<1	26	10	<1
3339	1.3	160	<1	17	<1	528	<1	35	13	<1
3340	4.4	70	<1	12	<1	363	<1	31	10	1
3341	3.4	90	<1	9	<1	218	<1	31	8	<1
3342	1.0	60	<1	102	<1	129	<1	38	75	<1
3343	0.1	10	<1	16	<1	152	<1	9	17	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
3344	0.2	420	<1	25	<1	39	2	9	24	<1
3345	0.1	30	<1	5	<1	109	<1	8	7	<1
3346	0.6	110	<1	95	<1	109	<1	34	64	<1
3347	7.6	130	<1	5	<1	77	<1	15	4	4
3348	5.8	440	<1	10	<1	81	1	27	8	2
3349	10.6	370	<1	6	<1	92	<1	28	5	17
3350	1.8	1000	<1	2	<1	97	<1	11	2	3
3351	7.4	440	<1	11	<1	144	2	32	9	16
3352	7.5	290	<1	26	<1	167	1	49	20	14
3353	0.4	740	<1	37	<1	127	2	19	33	<1
3354	<0.1	30	<1	5	<1	85	<1	13	10	<1
3355	0.8	110	<1	37	<1	169	<1	37	26	<1
3356	0.2	80	<1	10	<1	32	<1	5	13	<1
3357	0.1	20	<1	9	<1	86	<1	6	10	<1
3358	0.3	610	<1	20	<1	56	3	11	22	<1
3359	3.3	270	<1	133	<1	274	<1	88	104	1
3360	0.5	200	<1	70	<1	142	<1	63	62	1
3361	3.3	240	<1	81	<1	240	<1	61	58	1
3362	0.5	60	<1	62	<1	56	<1	21	43	<1
3363	0.7	180	<1	156	<1	120	<1	48	83	<1
3364	0.2	50	<1	8	<1	35	<1	10	10	<1
3365	1.4	250	<1	63	<1	93	<1	70	58	<1
3366	0.8	440	<1	77	<1	310	<1	91	73	<1
3367	2.2	280	<1	31	<1	164	<1	55	32	<1
3368	0.6	170	<1	138	<1	145	<1	98	107	<1
3369	0.2	40	<1	11	<1	107	<1	<5	10	<1
3370	3.6	280	<1	71	<1	255	<1	57	53	<1
3371	1.2	270	<1	101	<1	183	<1	115	82	<1
3372	1.6	300	<1	165	<1	270	<1	144	125	<1
3373	0.6	50	<1	54	<1	106	<1	17	34	<1
3374	1.1	410	<1	34	<1	332	<1	73	37	1
3375	5.4	200	<1	116	<1	149	<1	82	78	8
*Rep 3306	<0.1	40	<1	6	<1	13	<1	<5	4	<1
*Rep 3316	1.3	360	<1	19	<1	191	<1	52	22	<1
*Rep 3327	0.4	150	<1	182	<1	215	<1	93	132	<1
*Rep 3345	0.1	30	<1	7	<1	127	<1	8	7	<1
*Rep 3360	0.3	250	<1	81	<1	217	<1	51	65	<1
*Rep 3370	4.0	270	<1	126	<1	248	<1	69	86	<1
*Std MMISRM16	0.4	80	31	2	<1	336	<1	8	4	<1
*Std AMIS0169	3.1	140	<1	126	<1	300	1	80	80	1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3301	700	<1	22	<10	204	813	<0.5	32	1	572
3302	590	<1	4	<10	41.0	208	<0.5	11	<1	71
3303	50	<1	3	<10	37.7	1260	<0.5	9	3	69
3304	280	<1	12	<10	37.5	632	0.8	26	<1	376
3305	1500	<1	1	<10	9.4	4	<0.5	5	<1	39
3306	900	<1	3	<10	123	209	0.6	6	1	85
3307	730	<1	2	<10	21.8	59	0.7	32	<1	54
3308	2390	<1	3	<10	128	236	<0.5	55	1	67
3309	930	<1	2	<10	67.2	649	0.7	426	2	88
3310	880	<1	3	<10	41.8	22	0.6	19	<1	78
3311	430	<1	2	<10	24.3	247	0.8	2	<1	57
3312	640	<1	7	<10	88.9	213	<0.5	16	<1	152
3313	40	<1	1	<10	17.8	975	<0.5	4	<1	29
3314	50	1	<1	<10	25.5	4410	0.9	5	1	16
3315	50	1	<1	<10	27.3	4070	0.8	5	1	16
3316	10	<1	3	<10	17.1	1830	<0.5	5	<1	120
3317	150	<1	5	<10	37.9	1510	<0.5	11	<1	95
3318	30	<1	2	<10	34.9	2910	0.7	8	<1	49
3319	90	<1	2	<10	23.6	2340	<0.5	5	<1	58
3320	130	4	<1	<10	29.5	12700	0.6	5	3	23
3321	40	<1	10	<10	19.0	947	<0.5	5	<1	342
3322	50	<1	<1	<10	30.5	1330	0.5	4	<1	22
3323	<10	<1	3	<10	18.8	2340	<0.5	5	<1	85
3324	490	<1	2	<10	11.7	45	0.7	5	<1	46
3325	610	<1	1	<10	4.7	8	0.6	9	<1	30
3326	310	<1	5	<10	43.2	510	0.6	6	<1	88
3327	660	<1	19	<10	143	2830	0.7	22	1	554
3328	510	<1	<1	<10	17.2	31	<0.5	162	4	30
3329	750	<1	2	<10	24.1	40	<0.5	38	2	59
3330	1040	<1	2	<10	34.0	49	<0.5	20	6	51
3331	1260	<1	4	<10	42.6	81	<0.5	13	3	109
3332	290	<1	11	<10	144	780	0.9	8	1	213
3333	90	<1	3	<10	36.4	1520	0.6	5	<1	119
3334	150	<1	15	<10	56.2	1060	0.7	5	1	642
3335	50	<1	3	<10	27.2	2220	0.6	6	<1	90
3336	60	<1	2	<10	15.2	1890	0.5	3	<1	58
3337	80	<1	33	<10	77.0	1850	0.8	16	1	981
3338	60	<1	1	<10	39.0	1140	0.8	5	<1	31
3339	70	<1	2	<10	54.1	1420	0.8	7	<1	50
3340	70	<1	1	<10	45.5	2740	0.8	6	<1	30
3341	30	<1	1	<10	22.6	974	0.6	5	<1	24
3342	830	<1	9	<10	88.0	489	0.7	9	<1	229
3343	760	<1	2	<10	10.9	6	<0.5	13	<1	63

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
3344	770	<1	4	<10	107	129	0.8	22	2	99
3345	660	<1	1	<10	21.5	38	<0.5	22	<1	30
3346	570	<1	8	<10	149	681	<0.5	22	<1	190
3347	100	<1	<1	<10	12.8	1950	<0.5	2	<1	16
3348	90	1	1	<10	27.0	2360	<0.5	5	<1	31
3349	100	3	<1	<10	16.1	9410	0.6	4	2	22
3350	<10	3	1	<10	39.8	2660	<0.5	7	2	10
3351	50	4	1	<10	22.1	10500	<0.5	5	2	35
3352	50	3	3	<10	32.8	11800	0.6	10	3	72
3353	1060	<1	5	<10	133	223	0.9	19	2	124
3354	1210	<1	3	<10	10.4	8	<0.5	15	<1	89
3355	370	<1	4	<10	87.1	306	<0.5	18	<1	93
3356	500	<1	2	<10	15.1	49	<0.5	13	<1	51
3357	540	<1	1	<10	13.8	6	<0.5	27	<1	28
3358	810	<1	4	<10	64.7	32	<0.5	36	3	95
3359	180	1	15	<10	132	2630	1.0	12	2	381
3360	340	<1	7	<10	63.9	2130	0.6	7	1	283
3361	160	1	9	<10	79.8	2720	0.8	8	1	247
3362	670	<1	5	<10	84.5	474	<0.5	9	<1	126
3363	630	<1	10	<10	217	374	0.6	21	1	230
3364	700	<1	2	<10	23.4	68	<0.5	4	<1	62
3365	<10	<1	7	<10	74.2	673	0.5	23	<1	120
3366	100	<1	13	<10	46.6	1390	0.8	9	<1	366
3367	400	<1	7	<10	84.4	1580	0.5	9	1	241
3368	560	<1	14	<10	116	342	<0.5	28	1	404
3369	640	<1	1	<10	31.9	12	<0.5	23	<1	28
3370	160	<1	8	<10	113	1800	0.6	11	<1	216
3371	360	<1	13	<10	173	1550	0.7	42	2	392
3372	440	1	18	<10	205	3170	0.8	39	3	513
3373	990	<1	4	<10	90.6	71	0.6	53	<1	95
3374	90	<1	7	<10	54.8	2780	0.8	12	1	189
3375	40	3	9	<10	128	10800	0.8	17	2	163
*Rep 3306	760	<1	<1	<10	99.3	4	<0.5	3	<1	56
*Rep 3316	<10	<1	4	<10	15.3	1820	<0.5	6	<1	134
*Rep 3327	550	<1	17	<10	107	1070	0.5	20	<1	404
*Rep 3345	730	<1	1	<10	25.1	30	<0.5	33	<1	29
*Rep 3360	490	<1	10	<10	56.2	325	<0.5	8	<1	270
*Rep 3370	190	1	12	<10	161	2200	0.7	14	1	266
*Std MMISRM16	480	<1	<1	<10	21.7	55	<0.5	51	<1	9
*Std AMISO169	90	<1	9	<10	102	573	1.4	34	2	164
*Bik BLANK	<10	<1	<1	<10	1.0	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.7	22	<0.5	<1	<1	<5

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Final : TO111205 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3301	56	1090	224
3302	5	130	18
3303	8	320	461
3304	24	1000	39
3305	5	340	7
3306	9	40	153
3307	5	140	35
3308	8	340	87
3309	14	240	109
3310	6	170	37
3311	5	50	48
3312	13	350	68
3313	3	590	34
3314	3	560	86
3315	3	530	85
3316	10	140	48
3317	7	60	49
3318	6	500	89
3319	5	210	57
3320	2	240	140
3321	21	170	37
3322	3	540	44
3323	7	110	47
3324	3	50	10
3325	2	80	8
3326	6	70	36
3327	44	180	176
3328	3	140	13
3329	7	80	40
3330	5	60	38
3331	11	70	57
3332	18	130	174
3333	13	580	67
3334	63	240	83
3335	8	260	64
3336	5	190	47
3337	55	60	131
3338	4	440	60
3339	5	320	82
3340	4	310	95
3341	2	190	51
3342	17	390	79
3343	4	190	7

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Final : TO111205 Order: EXPL-005

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
3344	11	40	137
3345	3	130	19
3346	17	380	132
3347	1	280	38
3348	3	440	72
3349	2	200	95
3350	3	70	45
3351	3	190	96
3352	5	130	164
3353	15	50	175
3354	14	210	9
3355	10	570	85
3356	4	60	29
3357	2	160	11
3358	12	50	51
3359	29	640	238
3360	27	370	112
3361	21	440	140
3362	11	110	109
3363	24	190	198
3364	9	80	35
3365	11	320	86
3366	28	80	78
3367	22	770	136
3368	52	1240	153
3369	2	160	20
3370	16	1020	149
3371	55	1340	210
3372	64	1050	288
3373	11	70	85
3374	17	250	113
3375	13	250	175
*Rep 3306	6	90	116
*Rep 3316	12	130	43
*Rep 3327	33	190	116
*Rep 3345	3	200	17
*Rep 3360	18	430	67
*Rep 3370	20	970	212
*Std MMISRM16	<1	290	19
*Std AMIS0169	13	320	74
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111393

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 01, 2010

P.O. No. : EXPL-006
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 13, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4151	15	33	<10	<0.1	1030	<1	340	11	94	133
4152	8	33	<10	0.3	2040	<1	560	7	155	128
4153	10	42	<10	0.3	1040	<1	380	6	38	175
4154	6	87	<10	0.1	1390	<1	320	24	498	402
4155	19	45	<10	0.2	1930	<1	450	12	1230	453
4156	2	179	<10	<0.1	590	<1	170	13	311	45
4157	3	>300	20	0.1	2520	<1	20	26	745	47
4158	3	>300	10	<0.1	3140	<1	<10	23	362	58
4159	12	49	10	0.2	1410	<1	380	10	310	41
4160	12	45	<10	0.6	1830	<1	390	16	83	109
4161	3	58	<10	0.1	1070	<1	400	15	68	54
4162	9	7	10	0.2	1800	<1	270	3	229	24
4163	2	132	<10	<0.1	660	<1	290	7	178	34
4164	13	139	10	<0.1	1020	<1	300	18	311	94
4165	7	26	<10	0.3	1110	<1	430	9	39	193
4166	20	35	<10	0.3	1790	<1	440	11	420	87
4167	26	109	<10	<0.1	1190	<1	450	55	362	161
4168	8	25	<10	<0.1	880	<1	340	7	27	148
4169	8	30	<10	0.2	1200	<1	380	4	12	44
4170	6	23	20	0.2	2100	<1	280	4	658	76
4171	23	16	<10	0.2	2200	<1	350	5	73	58
4172	3	9	20	0.1	1130	<1	260	3	195	33
4173	14	22	20	0.2	1760	<1	430	10	673	51
4174	6	10	40	0.3	1730	<1	290	5	279	85
4175	5	7	20	0.2	2170	<1	230	4	145	38
4176	4	17	<10	<0.1	2180	<1	300	3	132	75
4177	18	15	<10	0.2	3780	<1	300	11	66	47
4178	9	18	20	0.3	2980	<1	330	8	84	144
4179	3	59	10	0.1	1250	<1	220	3	1210	41
4180	6	10	<10	0.2	1270	<1	290	2	150	142
4181	6	12	<10	0.3	1420	<1	260	2	126	50
4182	8	14	<10	0.2	1070	<1	260	5	46	223
4183	15	18	<10	0.3	2870	<1	350	5	177	64
4184	10	12	<10	0.2	2030	<1	290	3	189	76
4185	6	6	10	0.2	1200	<1	210	2	67	27
4186	3	5	<10	0.2	470	<1	170	2	17	<5
4187	16	87	<10	0.1	2470	1	290	17	1170	135
4188	10	18	<10	0.2	1110	<1	380	4	16	51
4189	9	198	<10	0.3	2220	<1	250	9	403	41
4190	1	>300	10	<0.1	1690	<1	<10	2	138	32
4191	1	>300	10	<0.1	3350	<1	<10	6	236	55
4192	1	136	<10	0.3	2020	<1	260	4	826	45
4193	2	>300	<10	<0.1	1520	<1	<10	4	363	33

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4194	13	15	<10	0.1	1160	<1	280	4	6	84
4195	4	15	<10	0.2	1070	<1	300	3	<5	17
4196	3	9	<10	0.2	1100	<1	230	3	5	21
4197	10	18	<10	0.3	4400	<1	350	9	92	53
4198	3	11	40	0.2	1280	<1	270	3	397	29
4199	6	25	<10	0.1	1090	<1	300	4	9	82
4200	3	125	<10	<0.1	450	<1	360	21	289	14
4201	3	7	<10	0.3	1820	<1	180	2	5	11
4202	<1	178	<10	<0.1	1550	<1	160	7	739	17
4203	6	28	<10	0.4	980	<1	350	3	77	66
4204	5	7	20	0.2	1550	<1	250	3	221	70
4205	5	59	<10	0.3	1110	<1	400	2	11	21
4206	7	32	<10	0.2	1070	<1	310	3	18	10
4207	1	234	20	0.4	1910	<1	110	5	1600	46
4208	5	27	<10	0.2	1060	<1	370	2	14	<5
4209	9	48	<10	<0.1	880	<1	360	2	59	15
4210	4	18	<10	0.3	1040	<1	230	3	12	9
4211	4	10	<10	0.2	1110	<1	240	2	<5	<5
4212	14	28	<10	0.1	990	<1	330	30	136	94
4213	5	22	<10	0.3	1070	<1	290	3	43	104
4214	4	275	10	<0.1	1220	<1	<10	7	79	38
4215	3	>300	20	0.1	2710	<1	<10	4	709	43
4216	2	>300	20	<0.1	560	<1	<10	7	91	32
4217	10	231	<10	<0.1	1810	1	150	11	582	181
4218	6	45	<10	0.1	1340	<1	350	3	43	11
4219	5	39	<10	0.4	1100	<1	330	3	148	215
4220	4	108	<10	0.1	800	<1	330	10	397	47
4221	13	116	<10	0.1	1040	<1	420	37	378	45
4222	8	75	<10	0.2	1370	<1	320	9	1060	117
4223	9	141	<10	<0.1	1130	<1	340	33	332	32
4224	12	60	<10	0.2	1330	<1	500	16	162	174
4225	9	57	20	0.2	1400	<1	310	9	974	167
*Rep 4159	13	23	20	0.2	1660	<1	300	8	275	31
*Rep 4165	8	21	<10	0.2	1110	<1	390	12	43	221
*Rep 4177	20	16	<10	0.2	3450	<1	280	10	70	52
*Rep 4192	1	239	10	0.2	2350	<1	60	8	808	71
*Rep 4214	3	261	<10	<0.1	1080	<1	<10	8	53	40
*Rep 4217	11	203	<10	<0.1	1740	1	150	22	156	224
*Std MMISRM16	20	50	20	28.8	70	<1	210	5	18	65
*Std AMISO169	9	78	20	0.4	670	<1	40	2	799	138
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4151	<100	<0.5	3070	14	8.1	3.7	12	1	18	<1
4152	<100	<0.5	4870	9	4.8	3.1	14	2	13	<1
4153	<100	<0.5	1070	11	6.6	2.5	5	<1	13	<1
4154	200	1.1	1190	22	12.4	7.8	21	16	34	<1
4155	100	<0.5	2470	41	24.3	14.7	49	8	59	<1
4156	<100	3.0	170	57	28.2	10.3	62	8	47	<1
4157	200	6.5	570	57	25.6	16.6	145	27	65	<1
4158	100	7.4	500	48	21.3	9.7	69	12	40	<1
4159	<100	1.3	5600	18	10.2	6.1	42	4	25	<1
4160	<100	0.8	1430	10	6.1	2.9	12	2	12	<1
4161	<100	1.7	2950	7	5.1	1.6	17	2	7	<1
4162	<100	1.0	1950	14	7.2	5.6	30	2	22	<1
4163	100	1.6	280	24	17.2	5.3	23	3	23	<1
4164	100	6.4	3300	22	14.5	5.6	119	8	23	<1
4165	<100	<0.5	1560	14	10.0	2.9	5	<1	16	2
4166	<100	0.6	8690	25	16.1	7.5	43	3	33	<1
4167	100	1.7	5070	38	28.4	8.3	29	4	39	<1
4168	<100	<0.5	1170	9	5.8	2.0	6	<1	11	<1
4169	<100	<0.5	1170	11	7.4	2.5	6	<1	13	1
4170	<100	0.6	2100	26	13.0	10.1	42	4	41	<1
4171	<100	<0.5	7760	15	9.9	3.6	18	1	17	<1
4172	<100	<0.5	2500	8	3.7	3.7	26	1	14	<1
4173	<100	0.9	4890	27	14.0	9.8	34	4	43	<1
4174	<100	2.0	5070	18	9.3	6.8	29	2	27	<1
4175	<100	3.2	3230	12	6.7	4.6	23	1	19	<1
4176	<100	5.3	2970	16	9.2	4.5	26	2	21	<1
4177	<100	1.6	8900	12	8.7	2.9	48	1	14	<1
4178	<100	1.8	5730	14	9.8	3.5	27	1	17	<1
4179	200	4.1	1910	37	16.6	15.9	61	9	57	<1
4180	<100	<0.5	1330	12	7.5	3.7	25	1	17	<1
4181	<100	<0.5	4620	15	8.8	3.9	29	1	20	<1
4182	<100	<0.5	1190	8	4.6	2.2	10	<1	10	<1
4183	<100	0.8	7030	19	12.0	5.4	38	2	25	<1
4184	<100	<0.5	5910	19	11.6	5.4	44	2	25	<1
4185	<100	<0.5	3710	8	4.9	2.5	30	<1	11	<1
4186	<100	<0.5	300	2	1.3	0.8	2	<1	4	<1
4187	200	2.6	4990	69	41.9	18.9	257	10	81	<1
4188	<100	<0.5	1310	12	8.5	2.4	4	<1	14	2
4189	100	0.7	1150	145	99.6	24.7	159	10	116	2
4190	200	5.4	120	7	3.5	2.5	165	18	8	<1
4191	200	8.5	360	11	5.2	3.9	180	14	13	<1
4192	<100	2.6	1100	156	91.4	39.6	20	9	179	4
4193	200	6.7	210	21	12.1	6.2	216	37	22	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4194	<100	<0.5	1580	13	7.1	3.2	3	<1	16	<1
4195	<100	1.0	580	8	4.3	2.2	6	<1	11	1
4196	<100	<0.5	570	4	2.3	1.1	2	<1	6	<1
4197	<100	2.0	8010	14	9.8	3.8	50	1	17	<1
4198	<100	0.6	2910	20	10.2	7.6	25	2	30	<1
4199	<100	<0.5	960	8	5.1	2.0	4	<1	10	2
4200	<100	2.0	580	20	10.0	5.9	34	3	25	<1
4201	<100	<0.5	350	3	1.1	1.1	1	<1	4	<1
4202	<100	5.5	130	54	25.6	19.3	54	9	71	<1
4203	<100	<0.5	900	13	7.7	3.5	15	<1	16	2
4204	<100	<0.5	2350	13	6.6	4.7	28	1	19	<1
4205	<100	1.1	750	13	7.4	3.6	9	<1	15	4
4206	<100	0.8	710	11	6.0	3.2	6	<1	15	2
4207	300	5.0	560	90	33.6	36.8	106	25	132	<1
4208	<100	1.1	360	7	3.1	2.6	7	<1	11	<1
4209	<100	2.1	280	6	2.4	2.8	13	1	11	1
4210	<100	<0.5	820	10	6.4	2.4	5	1	13	3
4211	<100	<0.5	520	4	2.3	1.4	2	<1	6	<1
4212	<100	<0.5	4220	24	13.3	6.4	9	1	33	<1
4213	<100	<0.5	1070	11	6.7	2.9	9	<1	14	2
4214	<100	4.8	230	8	5.9	1.6	107	10	6	<1
4215	200	6.5	610	50	22.2	14.2	91	20	56	<1
4216	200	5.6	90	5	2.9	2.0	186	52	6	<1
4217	100	4.4	1230	145	96.1	18.4	180	12	91	<1
4218	<100	0.7	740	22	10.9	7.4	20	1	33	1
4219	<100	<0.5	1120	12	6.8	3.6	19	1	16	1
4220	<100	1.7	880	17	7.6	6.2	33	3	25	<1
4221	100	1.6	1880	24	15.6	6.4	21	3	28	<1
4222	200	0.9	1530	49	26.0	17.7	51	6	70	<1
4223	100	1.6	940	44	31.5	7.9	107	5	36	<1
4224	<100	<0.5	1720	17	10.0	4.6	12	1	20	<1
4225	100	0.5	2220	34	18.2	13.0	71	5	49	<1
*Rep 4159	<100	1.0	5390	19	10.9	5.8	46	3	26	<1
*Rep 4165	<100	<0.5	1710	11	8.0	2.3	5	<1	13	2
*Rep 4177	<100	1.5	8330	12	8.5	2.8	47	2	14	<1
*Rep 4192	<100	4.9	640	106	49.8	29.8	58	15	125	<1
*Rep 4214	<100	3.1	200	5	4.4	1.1	110	10	3	<1
*Rep 4217	<100	6.6	1050	91	104	5.4	174	10	28	<1
*Std MMISRM16	<100	12.7	730	3	1.0	1.2	2	<1	5	18
*Std AMISO169	100	8.3	4820	35	15.0	13.4	53	15	54	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4151	<0.5	20.5	34	16	86	1650	<5	0.7	68	183
4152	<0.5	33.3	56	41	120	12900	118	0.9	80	265
4153	<0.5	23.4	15	59	103	2090	<5	<0.5	37	139
4154	<0.5	21.9	177	8	84	20000	<5	1.5	214	319
4155	<0.5	21.0	551	12	110	17900	<5	1.3	549	159
4156	<0.5	11.1	101	<5	53	810	<5	3.4	186	114
4157	<0.5	14.0	269	11	7	960	<5	16.7	360	84
4158	<0.5	21.6	149	12	5	580	<5	10.0	192	96
4159	<0.5	25.1	131	13	71	2560	69	6.9	168	164
4160	<0.5	17.0	30	7	89	8610	<5	1.0	56	144
4161	<0.5	21.1	30	25	64	9930	26	1.3	40	119
4162	<0.5	16.7	92	11	49	1100	<5	3.2	141	26
4163	<0.5	8.8	72	<5	47	2260	<5	0.8	101	126
4164	<0.5	18.4	146	22	31	3960	23	6.9	149	224
4165	<0.5	16.2	15	23	147	5800	<5	<0.5	41	87
4166	<0.5	30.5	171	20	103	3190	20	2.3	228	145
4167	<0.5	16.3	203	<5	81	8870	<5	1.9	223	315
4168	<0.5	27.2	12	44	117	5230	10	<0.5	30	128
4169	<0.5	28.7	15	64	127	3990	5	<0.5	37	101
4170	<0.5	16.7	227	9	46	2320	32	4.0	307	80
4171	<0.5	76.9	22	20	159	2380	247	1.1	63	205
4172	<0.5	30.5	83	27	63	1850	22	3.0	109	149
4173	<0.5	51.3	261	30	90	3580	26	4.0	337	158
4174	<0.5	10.3	107	8	44	1160	37	3.5	173	319
4175	<0.5	21.5	58	18	43	1200	12	3.2	99	280
4176	<0.5	23.8	52	23	61	1060	128	1.6	94	370
4177	<0.5	41.1	27	22	76	2140	23	0.7	50	174
4178	<0.5	31.1	31	22	67	1810	87	0.9	63	557
4179	<0.5	5.2	677	<5	50	1410	<5	9.1	537	41
4180	<0.5	16.4	47	7	71	12000	<5	0.5	92	46
4181	<0.5	20.7	35	13	50	2860	<5	<0.5	79	39
4182	<0.5	17.2	17	12	59	8850	<5	<0.5	33	104
4183	<0.5	34.2	61	28	72	3190	83	1.1	122	138
4184	<0.5	49.7	67	30	80	4800	11	0.7	129	97
4185	<0.5	23.6	23	19	35	4080	8	<0.5	49	28
4186	<0.5	22.3	3	34	54	1760	42	<0.5	12	21
4187	<0.5	6.8	589	14	33	2380	<5	12.6	622	264
4188	<0.5	23.8	10	34	136	5330	6	<0.5	29	99
4189	<0.5	22.4	444	10	96	1220	<5	4.2	579	174
4190	<0.5	17.0	62	10	5	90	<5	10.3	54	97
4191	<0.5	26.9	88	13	5	190	<5	12.6	85	95
4192	<0.5	20.6	607	<5	50	520	<5	7.8	867	50
4193	<0.5	10.4	150	19	5	380	<5	22.8	150	83

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4194	<0.5	18.6	11	21	113	870	<5	<0.5	36	115
4195	<0.5	13.5	6	<5	82	330	<5	<0.5	22	57
4196	<0.5	18.0	3	37	86	1210	<5	<0.5	12	42
4197	<0.5	28.7	35	16	72	1970	20	0.8	68	279
4198	<0.5	11.4	188	6	62	3060	5	8.6	219	59
4199	<0.5	23.6	9	40	102	2940	<5	<0.5	24	112
4200	<0.5	8.3	116	<5	65	220	<5	1.5	145	213
4201	<0.5	23.3	3	32	58	820	7	<0.5	12	41
4202	<0.5	11.6	306	<5	18	1170	<5	4.5	401	24
4203	<0.5	14.6	34	<5	157	2170	<5	0.9	56	58
4204	<0.5	14.6	71	8	48	7310	<5	1.6	112	40
4205	<0.5	18.5	34	<5	104	750	<5	<0.5	61	47
4206	<0.5	11.8	22	10	98	990	<5	<0.5	47	81
4207	<0.5	17.5	801	6	18	2580	<5	18.5	869	41
4208	<0.5	11.5	23	<5	82	140	<5	<0.5	43	37
4209	<0.5	11.9	32	<5	82	80	<5	<0.5	52	54
4210	<0.5	16.1	12	14	102	880	<5	<0.5	29	74
4211	<0.5	13.0	4	7	102	220	<5	<0.5	14	20
4212	<0.5	18.2	55	14	96	1150	<5	1.4	112	267
4213	<0.5	15.0	18	9	130	5320	<5	<0.5	43	84
4214	<0.5	17.2	29	<5	3	150	<5	8.1	28	65
4215	<0.5	12.2	238	9	3	1500	<5	15.2	274	66
4216	<0.5	9.8	44	7	2	140	<5	18.2	36	63
4217	<0.5	10.5	241	13	60	2230	<5	7.4	371	371
4218	<0.5	11.8	127	<5	79	470	<5	1.7	179	58
4219	<0.5	16.0	49	<5	54	8840	<5	1.4	80	112
4220	<0.5	13.4	140	<5	55	1050	<5	5.5	165	136
4221	<0.5	20.8	178	<5	68	750	<5	2.2	182	236
4222	<0.5	11.6	535	<5	80	2040	<5	6.8	543	158
4223	<0.5	16.8	156	<5	86	290	<5	2.1	182	423
4224	<0.5	25.2	64	<5	104	1460	<5	1.5	103	165
4225	<0.5	20.0	366	<5	61	9580	16	4.6	428	136
*Rep 4159	<0.5	25.0	113	11	52	2020	55	8.4	151	107
*Rep 4165	<0.5	15.3	13	20	143	12900	<5	<0.5	35	103
*Rep 4177	<0.5	39.6	28	22	71	2210	21	0.7	50	198
*Rep 4192	<0.5	17.1	339	<5	13	1560	<5	15.6	613	63
*Rep 4214	<0.5	16.5	19	<5	3	100	<5	7.3	18	62
*Rep 4217	<0.5	11.9	68	17	65	800	<5	4.3	101	406
*Std MMISRM16	<0.5	41.2	4	<5	32	100	56	<0.5	16	255
*Std AMISO169	<0.5	46.9	459	<5	37	4110	<5	4.3	453	553
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4151	0.2	110	<1	14	<1	35	<1	8	16	<1
4152	0.2	290	<1	19	<1	36	<1	<5	14	<1
4153	0.1	120	<1	7	<1	18	<1	<5	10	<1
4154	0.3	60	<1	55	<1	110	<1	22	36	<1
4155	0.3	60	<1	141	<1	89	<1	29	80	<1
4156	1.0	220	<1	39	<1	112	<1	39	43	<1
4157	5.1	440	<1	85	<1	340	<1	79	74	1
4158	2.5	350	<1	45	<1	423	<1	56	42	<1
4159	0.6	720	<1	40	<1	114	3	12	30	<1
4160	0.3	40	<1	12	<1	116	<1	8	12	<1
4161	0.3	510	<1	9	<1	122	<1	7	8	<1
4162	0.4	220	<1	30	<1	119	<1	<5	26	<1
4163	0.1	100	<1	23	<1	177	<1	30	22	<1
4164	1.2	920	<1	39	<1	149	1	70	26	<1
4165	<0.1	60	<1	7	<1	54	<1	6	11	<1
4166	0.2	590	<1	52	<1	76	2	7	39	<1
4167	0.5	240	<1	56	<1	212	<1	24	42	<1
4168	<0.1	60	<1	5	<1	29	<1	<5	8	<1
4169	<0.1	60	<1	7	<1	25	<1	<5	10	<1
4170	0.3	260	<1	73	<1	67	1	10	53	<1
4171	0.2	800	<1	12	<1	29	3	<5	15	<1
4172	0.5	130	<1	25	<1	18	<1	<5	18	<1
4173	0.2	520	<1	80	<1	51	2	8	55	<1
4174	0.3	420	<1	38	<1	123	4	<5	32	<1
4175	0.2	300	<1	21	<1	214	1	<5	20	<1
4176	0.3	380	<1	20	<1	134	3	<5	20	<1
4177	<0.1	1300	<1	10	<1	222	4	<5	11	<1
4178	0.2	790	<1	12	<1	135	4	<5	14	<1
4179	1.0	140	<1	145	<1	206	<1	28	81	<1
4180	0.1	40	<1	19	<1	8	<1	<5	18	<1
4181	<0.1	300	<1	15	<1	37	<1	<5	18	<1
4182	0.1	60	<1	6	<1	23	<1	<5	8	<1
4183	0.3	950	<1	24	<1	81	2	<5	25	<1
4184	0.1	600	<1	26	<1	38	1	<5	25	<1
4185	<0.1	200	<1	9	<1	73	<1	<5	11	<1
4186	<0.1	10	<1	2	<1	<5	<1	<5	4	<1
4187	0.7	530	<1	160	<1	110	<1	109	103	<1
4188	<0.1	50	<1	5	<1	24	<1	<5	9	<1
4189	0.7	280	<1	135	<1	128	<1	91	114	<1
4190	5.7	70	<1	14	<1	392	<1	23	10	<1
4191	4.2	140	<1	23	<1	431	<1	32	17	<1
4192	0.2	250	<1	189	<1	219	<1	139	181	<1
4193	6.2	210	<1	39	<1	190	<1	45	28	1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4194	0.1	140	<1	6	<1	108	<1	<5	11	<1
4195	<0.1	20	<1	4	<1	95	<1	<5	8	<1
4196	<0.1	30	<1	2	<1	28	<1	<5	4	<1
4197	<0.1	1160	<1	14	<1	223	4	<5	15	<1
4198	0.9	430	<1	51	<1	43	2	<5	37	<1
4199	<0.1	60	<1	4	<1	33	<1	<5	7	<1
4200	0.3	50	<1	34	<1	151	<1	11	28	<1
4201	<0.1	30	<1	2	<1	16	<1	<5	4	<1
4202	0.4	120	<1	92	<1	122	<1	54	83	<1
4203	0.2	50	<1	12	<1	43	<1	8	13	<1
4204	0.1	180	<1	24	<1	49	<1	<5	22	<1
4205	<0.1	20	<1	12	<1	119	<1	11	14	<1
4206	0.1	20	<1	9	<1	130	<1	6	12	<1
4207	2.8	140	<1	220	<1	180	<1	113	164	<1
4208	0.1	<10	<1	8	<1	151	<1	<5	11	<1
4209	0.1	20	<1	11	<1	140	<1	<5	12	<1
4210	<0.1	40	<1	5	<1	81	<1	8	8	<1
4211	<0.1	30	<1	2	<1	77	<1	<5	5	<1
4212	0.2	200	<1	22	<1	39	<1	<5	27	<1
4213	0.1	50	<1	8	<1	58	<1	<5	11	<1
4214	1.3	320	<1	7	<1	303	<1	22	6	<1
4215	4.1	280	<1	63	<1	305	<1	77	61	<1
4216	2.0	120	<1	9	<1	220	<1	28	7	3
4217	1.1	550	<1	82	<1	153	<1	91	82	<1
4218	0.4	30	<1	40	<1	116	<1	12	35	<1
4219	0.4	70	<1	17	<1	34	<1	<5	16	<1
4220	1.0	70	<1	40	<1	123	<1	10	31	<1
4221	0.4	170	<1	45	<1	134	<1	21	31	<1
4222	1.1	100	<1	135	<1	97	<1	32	88	<1
4223	0.3	150	<1	44	<1	178	<1	36	36	<1
4224	0.2	130	<1	22	<1	51	<1	7	21	<1
4225	0.5	430	<1	109	<1	92	<1	28	67	<1
*Rep 4159	0.7	760	<1	36	<1	106	4	7	29	<1
*Rep 4165	<0.1	40	<1	6	<1	53	<1	<5	9	<1
*Rep 4177	<0.1	1270	<1	10	<1	221	4	<5	11	<1
*Rep 4192	1.5	440	<1	127	<1	255	<1	127	138	<1
*Rep 4214	1.1	250	<1	5	<1	263	<1	17	4	<1
*Rep 4217	0.8	300	<1	22	<1	183	<1	81	22	<1
*Std MMISRM16	0.3	90	31	3	<1	337	<1	<5	5	<1
*Std AMISO169	3.6	140	<1	115	<1	245	<1	63	77	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4151	740	<1	3	<10	31.7	54	<0.5	21	<1	69
4152	1010	<1	2	<10	30.0	60	<0.5	28	1	46
4153	740	<1	2	<10	14.7	21	<0.5	12	<1	53
4154	640	<1	4	<10	89.2	145	<0.5	34	<1	111
4155	1140	<1	9	<10	136	51	<0.5	38	<1	239
4156	230	<1	9	<10	34.9	517	<0.5	13	<1	323
4157	130	<1	11	<10	146	3600	1.2	14	2	237
4158	90	<1	8	<10	69.1	2280	1.1	10	<1	202
4159	620	<1	4	<10	109	670	<0.5	107	2	95
4160	880	<1	2	<10	45.0	83	0.6	49	<1	45
4161	780	<1	1	<10	22.4	95	<0.5	204	<1	43
4162	760	<1	3	<10	50.9	252	0.6	7	<1	75
4163	500	<1	4	<10	56.8	60	<0.5	37	<1	126
4164	530	<1	4	<10	73.2	623	0.6	198	<1	122
4165	950	<1	2	<10	13.3	13	<0.5	15	<1	74
4166	1230	<1	5	<10	94.6	77	0.6	81	2	144
4167	770	<1	6	<10	56.8	103	0.6	407	<1	229
4168	1600	<1	2	<10	12.1	13	<0.5	34	<1	47
4169	1290	<1	2	<10	12.3	13	<0.5	30	<1	58
4170	1390	<1	6	<10	97.0	276	<0.5	63	1	121
4171	5990	<1	3	<10	31.9	60	<0.5	48	2	72
4172	2430	<1	2	<10	36.4	154	<0.5	27	4	43
4173	2660	<1	6	<10	77.8	117	<0.5	89	8	134
4174	930	<1	4	<10	59.1	274	<0.5	81	1	95
4175	1670	<1	3	<10	46.4	257	<0.5	42	2	71
4176	2470	<1	3	<10	48.7	116	<0.5	120	6	88
4177	1870	<1	2	<10	23.0	101	<0.5	27	2	70
4178	1800	<1	3	<10	33.6	75	<0.5	96	2	78
4179	280	<1	9	<10	126	752	1.4	19	1	180
4180	820	<1	2	<10	41.6	24	<0.5	7	<1	73
4181	750	<1	3	<10	41.2	38	<0.5	7	<1	77
4182	630	<1	1	<10	11.9	52	<0.5	6	<1	39
4183	1230	<1	4	<10	61.4	102	0.7	25	2	104
4184	2640	<1	4	<10	55.4	49	<0.5	16	2	100
4185	1210	<1	2	<10	28.0	7	<0.5	22	<1	50
4186	910	<1	<1	<10	1.6	<3	<0.5	4	<1	16
4187	610	<1	13	<10	208	802	0.8	50	2	356
4188	830	<1	2	<10	7.8	18	<0.5	5	<1	65
4189	880	<1	21	<10	89.3	297	0.6	24	<1	771
4190	70	<1	1	<10	45.2	2070	1.2	8	<1	26
4191	90	<1	2	<10	81.6	2270	1.2	7	1	38
4192	760	<1	27	<10	63.1	98	0.8	33	<1	677
4193	80	1	4	<10	86.8	3740	0.7	11	<1	88

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4194	1080	<1	2	<10	6.6	28	<0.5	6	<1	62
4195	900	<1	1	<10	3.9	8	<0.5	6	<1	40
4196	580	<1	<1	<10	1.0	<3	<0.5	2	<1	25
4197	830	<1	3	<10	29.2	85	<0.5	47	1	76
4198	410	<1	4	<10	82.1	615	1.0	8	1	105
4199	760	<1	1	<10	7.3	10	<0.5	16	<1	42
4200	320	<1	4	<10	45.2	173	<0.5	28	<1	107
4201	350	<1	<1	<10	1.0	<3	<0.5	12	<1	14
4202	340	<1	11	<10	81.5	942	0.6	14	<1	255
4203	460	<1	2	<10	19.8	103	0.6	3	<1	65
4204	420	<1	3	<10	57.7	35	1.4	2	<1	70
4205	630	<1	2	<10	16.2	13	0.6	7	<1	61
4206	370	<1	2	<10	13.3	9	0.6	8	<1	58
4207	270	1	20	<10	203	3150	1.5	22	2	322
4208	460	<1	1	<10	8.9	29	<0.5	5	<1	33
4209	470	<1	1	<10	10.0	71	<0.5	11	<1	28
4210	1180	<1	2	<10	7.7	24	<0.5	4	<1	56
4211	850	<1	<1	<10	1.0	<3	<0.5	1	<1	25
4212	1230	<1	4	<10	39.7	38	<0.5	79	<1	128
4213	1050	<1	2	<10	20.1	25	<0.5	7	<1	56
4214	30	<1	1	<10	34.7	2050	0.7	6	<1	36
4215	40	<1	9	<10	154	3040	1.2	14	2	212
4216	30	1	1	<10	21.2	5190	0.6	5	<1	24
4217	450	<1	19	<10	109	928	1.2	64	1	742
4218	630	<1	4	<10	36.4	77	<0.5	12	<1	110
4219	540	<1	2	<10	46.8	85	<0.5	6	<1	63
4220	340	<1	4	<10	55.4	505	<0.5	17	<1	76
4221	480	<1	4	<10	58.5	132	0.6	88	<1	125
4222	380	<1	11	<10	209	528	0.7	20	<1	235
4223	630	<1	6	<10	58.9	133	0.5	34	<1	245
4224	740	<1	3	<10	32.4	22	<0.5	24	<1	81
4225	500	<1	7	<10	149	180	<0.5	50	1	171
*Rep 4159	630	<1	4	<10	115	952	<0.5	57	3	95
*Rep 4165	940	<1	2	<10	11.3	10	<0.5	20	<1	59
*Rep 4177	1740	<1	2	<10	25.0	111	<0.5	26	2	68
*Rep 4192	340	<1	20	<10	133	3450	0.9	21	2	475
*Rep 4214	40	<1	<1	<10	26.3	1920	0.7	5	<1	24
*Rep 4217	480	<1	8	<10	57.7	704	1.8	36	1	569
*Std MMISRM16	450	<1	<1	<10	22.3	28	<0.5	59	<1	10
*Std AMISO169	70	<1	8	<10	106	538	1.4	36	2	144
*Bik BLANK	<10	<1	<1	<10	<0.5	3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111393 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4151	8	60	39
4152	4	30	16
4153	6	110	15
4154	12	390	64
4155	23	310	84
4156	20	240	34
4157	20	700	244
4158	16	160	131
4159	10	70	140
4160	6	180	43
4161	5	290	23
4162	6	<20	84
4163	16	1240	52
4164	14	220	120
4165	10	140	12
4166	16	60	77
4167	27	960	68
4168	5	80	11
4169	7	60	16
4170	11	60	103
4171	10	30	56
4172	3	40	32
4173	13	40	72
4174	8	<20	88
4175	6	<20	65
4176	9	60	27
4177	9	30	30
4178	9	50	28
4179	14	30	119
4180	8	20	38
4181	9	<20	33
4182	4	40	26
4183	12	30	45
4184	11	<20	35
4185	5	<20	27
4186	1	<20	<5
4187	39	120	230
4188	8	110	9
4189	85	1250	92
4190	3	170	86
4191	5	780	143
4192	75	90	79
4193	11	360	141

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Final : TO111393 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4194	7	<20	13
4195	4	210	16
4196	2	40	10
4197	10	30	39
4198	9	20	200
4199	5	50	14
4200	8	130	31
4201	<1	30	7
4202	20	30	73
4203	7	30	60
4204	6	<20	94
4205	6	<20	19
4206	5	20	23
4207	24	30	195
4208	2	<20	14
4209	2	<20	9
4210	6	60	15
4211	2	30	12
4212	12	30	37
4213	6	50	27
4214	5	180	63
4215	16	110	226
4216	3	80	83
4217	81	680	142
4218	9	130	38
4219	6	70	61
4220	6	190	52
4221	15	190	57
4222	23	200	172
4223	27	770	58
4224	10	260	24
4225	17	60	127
*Rep 4159	10	60	172
*Rep 4165	8	130	11
*Rep 4177	9	30	32
*Rep 4192	38	260	191
*Rep 4214	5	190	50
*Rep 4217	97	600	78
*Std MMISRM16	<1	290	20
*Std AMIS0169	13	270	65
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111391

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 01, 2010

P.O. No. : EXPL-006
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 13, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4001	6	40	<10	0.3	1610	<1	360	6	<5	25
4002	2	158	10	0.1	3080	<1	200	17	405	190
4003	9	20	<10	0.2	2190	<1	240	8	35	155
4004	7	66	<10	0.3	4530	<1	370	9	398	269
4005	6	58	<10	0.2	3230	<1	280	6	882	78
4006	13	20	<10	0.3	3500	<1	280	8	103	129
4007	6	23	<10	0.3	6330	<1	300	5	412	82
4008	14	22	<10	0.2	11600	<1	430	6	1150	126
4009	15	85	30	0.2	8240	<1	270	20	932	425
4010	22	63	20	0.3	7920	<1	320	16	1710	435
4011	3	99	10	0.2	5320	<1	250	14	327	354
4012	3	243	10	0.2	7570	<1	60	3	324	118
4013	4	197	20	0.3	7030	<1	290	1	808	19
4014	4	261	10	<0.1	3930	<1	20	13	307	45
4015	2	206	10	<0.1	2700	<1	<10	10	199	30
4016	5	230	20	<0.1	3400	<1	10	8	136	51
4017	2	>300	20	<0.1	3560	<1	10	10	60	28
4018	6	265	20	<0.1	1710	<1	<10	14	288	44
4019	3	235	10	<0.1	2270	<1	<10	9	124	25
4020	7	295	20	<0.1	4750	<1	<10	27	136	121
4021	3	258	20	0.2	1520	<1	10	5	313	32
4022	9	>300	30	<0.1	4090	<1	20	8	437	63
4023	4	267	10	<0.1	3230	<1	10	9	346	41
4024	4	295	20	<0.1	7940	<1	20	17	79	87
4025	9	>300	30	<0.1	4660	<1	20	22	109	51
4026	3	264	<10	<0.1	2450	<1	20	8	146	72
4027	3	35	<10	0.2	4110	<1	350	5	11	44
4028	6	92	<10	0.3	4930	<1	390	8	375	137
4029	1	279	10	<0.1	6010	<1	70	9	283	48
4030	5	225	10	<0.1	1480	<1	100	14	164	62
4031	2	>300	20	0.1	4010	<1	40	7	342	53
4032	2	>300	10	<0.1	1610	<1	10	15	178	27
4033	9	78	10	0.3	3880	<1	440	8	363	112
4034	14	58	<10	0.3	4330	<1	490	9	191	42
4035	7	135	<10	0.2	3090	<1	340	10	327	29
4036	4	179	10	0.1	3150	<1	230	37	297	133
4037	12	66	<10	0.4	4370	<1	480	12	264	235
4038	9	205	10	<0.1	1960	<1	20	13	126	29
4039	2	>300	50	0.2	3420	2	20	9	247	31
4040	2	>300	30	0.2	4910	<1	10	2	764	65
4041	3	>300	30	<0.1	3390	<1	<10	9	191	55
4042	2	>300	30	<0.1	3620	<1	30	1	944	25
4043	1	>300	<10	<0.1	<10	<1	<10	2	76	8

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4044	6	262	<10	<0.1	1890	<1	<10	11	234	34
4045	3	251	10	<0.1	840	<1	<10	11	79	20
4046	3	>300	10	<0.1	1760	<1	10	8	276	31
4047	4	230	20	<0.1	5060	<1	170	15	306	57
4048	4	>300	30	<0.1	3300	<1	20	11	242	29
4049	5	162	30	<0.1	5330	<1	220	23	590	172
4050	2	269	30	<0.1	5840	<1	70	4	587	49
4051	5	119	20	<0.1	5830	<1	210	9	897	82
4052	3	23	<10	0.6	5060	<1	280	3	12	18
4053	3	84	<10	<0.1	1790	<1	280	12	17	33
4054	2	>300	10	0.2	3500	<1	10	10	410	47
4055	6	19	<10	0.3	1430	<1	310	2	63	40
4056	2	102	20	0.2	3240	<1	190	4	868	112
4057	8	57	<10	0.2	2360	<1	320	13	147	44
4058	5	50	<10	0.3	4200	<1	330	5	237	34
4059	3	65	<10	0.2	4250	<1	250	5	139	25
4060	1	287	10	<0.1	3820	<1	60	10	809	50
4061	11	26	<10	0.3	3860	<1	270	4	65	59
4062	8	20	<10	0.4	3870	<1	280	2	19	30
4063	1	280	<10	<0.1	5120	<1	50	8	335	51
4064	3	>300	<10	<0.1	3440	<1	10	4	122	21
4065	3	25	<10	0.4	1370	<1	240	<1	8	8
4066	<1	275	10	<0.1	4330	<1	<10	7	171	30
4067	<1	245	10	<0.1	450	<1	<10	6	128	25
4068	2	>300	10	<0.1	5150	<1	<10	3	254	39
4069	4	238	<10	<0.1	1270	<1	<10	22	348	27
4070	3	>300	20	<0.1	1410	<1	<10	6	73	11
4071	2	>300	60	<0.1	1640	1	<10	6	61	8
4072	1	188	<10	0.3	2070	<1	<10	8	366	37
4073	2	293	20	<0.1	830	<1	<10	7	80	8
4074	1	>300	60	<0.1	1280	1	<10	9	74	14
4075	<1	290	<10	<0.1	620	<1	<10	<1	23	16
*Rep 4007	11	32	<10	0.4	9070	<1	440	9	403	133
*Rep 4019	2	222	<10	<0.1	2020	<1	<10	8	130	25
*Rep 4036	3	160	10	<0.1	2900	<1	250	31	397	95
*Rep 4042	2	>300	30	<0.1	2100	<1	30	1	867	20
*Rep 4057	5	14	<10	0.2	2990	<1	250	3	58	22
*Rep 4068	2	>300	<10	<0.1	3550	<1	<10	1	209	59
*Std MMISRM16	23	47	30	27.7	70	<1	240	5	20	82
*Std AMIS0169	9	75	30	0.4	760	<1	50	2	851	166
*Blk BLANK	<1	<1	<10	<0.1	<10	1	10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4001	<100	0.6	1160	8	5.5	2.1	11	16	10	2
4002	<100	3.0	390	28	13.5	8.6	75	30	37	<1
4003	<100	<0.5	940	10	6.8	2.6	7	19	13	<1
4004	<100	<0.5	2140	23	14.4	6.8	31	31	33	<1
4005	<100	0.8	2350	28	15.0	10.5	59	24	47	<1
4006	<100	<0.5	5270	11	8.4	3.0	30	24	15	<1
4007	<100	<0.5	3720	21	11.8	7.2	33	43	34	<1
4008	200	0.6	8080	41	21.9	14.9	71	86	70	<1
4009	200	2.1	4840	40	21.4	13.6	249	65	61	<1
4010	200	1.3	5550	59	30.9	21.7	183	64	98	<1
4011	200	1.2	3650	21	13.5	5.9	291	46	26	<1
4012	100	3.8	900	45	27.1	7.0	340	76	32	<1
4013	300	1.8	1270	110	62.5	30.4	90	66	142	<1
4014	100	7.3	350	46	21.1	9.3	86	48	41	<1
4015	<100	7.4	350	34	17.6	7.9	49	34	34	<1
4016	100	4.0	220	24	11.9	5.4	133	80	22	<1
4017	100	1.9	180	6	3.9	1.5	194	67	6	<1
4018	200	7.8	310	38	18.9	9.0	89	40	39	<1
4019	<100	6.0	210	19	11.4	3.6	90	40	16	<1
4020	200	7.5	370	8	4.7	1.6	251	55	7	<1
4021	500	5.4	340	23	10.6	8.1	328	62	32	<1
4022	300	4.0	530	26	10.5	8.4	212	59	32	<1
4023	100	7.1	310	46	22.3	9.5	93	43	41	<1
4024	100	2.5	560	8	5.0	1.4	176	78	6	<1
4025	200	2.6	330	8	4.2	2.0	227	63	8	<1
4026	100	4.5	480	16	9.1	2.7	139	41	12	<1
4027	<100	0.9	1290	14	8.4	3.3	12	36	17	2
4028	300	1.2	3200	23	14.1	6.8	50	40	32	<1
4029	<100	6.4	340	46	22.1	8.9	139	60	41	<1
4030	100	4.7	420	29	14.9	5.2	264	35	26	<1
4031	200	5.6	280	34	14.7	9.0	165	61	39	<1
4032	200	7.2	340	13	5.6	3.7	126	26	14	<1
4033	200	0.6	2070	45	30.7	12.1	24	34	60	1
4034	200	<0.5	1640	22	13.0	6.8	21	35	33	<1
4035	200	2.7	820	28	14.0	8.0	50	29	36	<1
4036	100	2.3	650	63	35.6	12.5	142	32	62	<1
4037	100	<0.5	1680	21	12.2	6.5	36	37	30	<1
4038	<100	6.5	150	27	13.8	5.6	68	36	25	<1
4039	1000	12.3	190	14	6.3	4.6	235	138	17	<1
4040	300	7.0	390	52	20.9	20.3	138	70	78	<1
4041	200	7.8	190	17	8.6	4.7	229	76	18	<1
4042	400	12.5	160	46	20.6	15.4	173	95	64	<1
4043	300	5.3	40	7	3.7	2.2	133	77	7	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4044	<100	8.9	340	20	9.7	4.8	97	29	19	<1
4045	100	5.5	210	7	4.8	1.9	180	39	7	<1
4046	200	6.4	310	22	10.9	5.7	119	52	23	<1
4047	100	2.8	260	25	12.1	6.4	185	53	28	<1
4048	200	3.5	190	15	7.3	4.8	141	60	18	<1
4049	200	5.3	380	36	15.7	12.8	134	57	52	<1
4050	200	5.1	560	42	19.0	12.3	108	63	49	<1
4051	300	3.9	1200	27	11.7	12.0	57	48	49	<1
4052	<100	<0.5	830	15	8.7	3.9	6	33	20	4
4053	<100	3.3	360	4	2.0	1.6	5	16	7	<1
4054	200	7.0	460	25	10.7	8.9	69	46	34	<1
4055	<100	1.0	660	16	7.4	5.6	5	<1	25	<1
4056	200	2.0	250	42	19.5	16.7	48	34	68	<1
4057	<100	1.1	690	8	3.6	3.2	12	18	14	<1
4058	100	0.6	880	39	20.7	11.9	17	29	57	2
4059	<100	1.2	460	22	9.8	8.8	18	30	38	<1
4060	200	4.0	220	42	20.0	14.0	134	39	58	<1
4061	<100	<0.5	1050	18	11.8	4.6	13	27	23	<1
4062	<100	<0.5	630	15	9.1	3.5	6	27	18	5
4063	<100	5.2	300	35	15.2	9.3	86	43	39	<1
4064	100	5.7	90	12	5.9	3.0	69	60	12	<1
4065	<100	0.6	510	7	3.6	1.8	4	12	9	2
4066	<100	7.6	370	18	8.2	4.5	69	37	18	<1
4067	<100	7.8	210	14	7.6	3.9	59	15	15	<1
4068	200	7.2	190	15	6.2	5.1	162	57	19	<1
4069	<100	5.8	500	55	25.8	14.8	47	27	58	1
4070	200	3.9	150	6	3.0	2.3	149	74	7	<1
4071	200	3.9	70	4	1.9	1.9	101	194	5	<1
4072	<100	4.7	260	54	23.3	19.9	26	26	74	<1
4073	100	5.4	20	6	4.1	2.4	72	78	7	<1
4074	200	2.0	70	5	2.2	2.1	91	124	6	<1
4075	<100	2.5	<10	2	1.0	0.6	98	147	2	<1
*Rep 4007	200	0.5	6570	22	12.8	7.1	41	70	35	<1
*Rep 4019	<100	6.3	220	22	12.5	4.3	74	33	19	<1
*Rep 4036	100	2.5	620	61	31.9	15.0	93	28	69	<1
*Rep 4042	400	11.3	150	39	16.0	13.9	130	92	57	<1
*Rep 4057	<100	0.7	440	6	2.9	2.3	14	22	10	<1
*Rep 4068	200	7.5	210	11	5.6	4.0	164	48	15	<1
*Std MMISRM16	<100	14.8	870	3	1.0	1.0	3	7	5	17
*Std AMISO169	200	10.1	5280	33	14.0	12.5	57	25	57	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	1	1	2	<1
*Blk BLANK	<100	0.5	<10	<1	<0.5	<0.5	<1	1	2	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4001	<0.5	10.9	12	<5	106	320	<5	0.9	32	90
4002	<0.5	15.3	216	<5	39	12800	<5	9.0	206	92
4003	<0.5	18.1	12	41	91	4990	18	0.5	35	128
4004	<0.5	16.8	144	6	96	8110	<5	1.6	186	119
4005	<0.5	19.1	341	18	38	6130	85	7.7	356	233
4006	<0.5	26.3	32	36	68	8910	16	1.3	68	136
4007	<0.5	15.5	158	13	54	3530	8	2.8	217	111
4008	<0.5	16.4	531	26	74	6240	36	6.2	500	147
4009	<0.5	19.6	395	6	54	29200	24	12.9	415	307
4010	<0.5	20.6	729	8	62	31600	21	11.8	719	292
4011	<0.5	21.7	163	<5	67	9600	11	9.8	161	510
4012	<0.5	17.6	132	11	19	3980	<5	20.3	142	158
4013	<0.5	18.2	937	8	79	840	<5	18.9	751	137
4014	<0.5	35.7	131	8	5	540	<5	11.5	159	101
4015	<0.5	12.8	75	<5	1	520	<5	5.8	117	43
4016	<0.5	16.5	56	7	3	1780	<5	14.1	73	47
4017	<0.5	16.0	36	<5	3	180	<5	11.7	27	78
4018	<0.5	18.3	113	<5	1	940	<5	15.0	146	61
4019	<0.5	16.8	54	<5	<1	440	<5	6.1	58	51
4020	<0.5	15.0	41	<5	2	1690	5	13.9	32	192
4021	<0.5	9.9	141	<5	1	2450	16	24.6	139	57
4022	<0.5	12.4	143	6	2	2490	7	17.2	143	103
4023	<0.5	24.6	126	6	3	1470	<5	9.3	156	88
4024	<0.5	16.1	26	6	5	1100	<5	9.8	24	132
4025	<0.5	22.1	46	6	4	980	<5	20.2	35	133
4026	<0.5	24.2	50	<5	6	1570	<5	11.6	49	184
4027	<0.5	23.0	28	8	107	1680	<5	0.7	54	63
4028	<0.5	17.9	176	<5	90	3730	<5	6.0	187	171
4029	<0.5	20.9	129	6	22	790	<5	7.5	160	98
4030	<0.5	9.0	87	<5	23	810	<5	8.9	100	317
4031	<0.5	11.6	209	5	8	1650	<5	12.6	192	109
4032	<0.5	8.9	84	<5	<1	60	5	5.5	70	61
4033	<0.5	15.7	314	14	123	8080	<5	1.8	306	229
4034	<0.5	15.4	146	<5	116	1850	<5	1.4	165	216
4035	<0.5	16.7	172	<5	66	530	<5	3.1	173	166
4036	<0.5	22.2	196	<5	59	5180	<5	4.0	225	322
4037	<0.5	21.2	167	<5	139	8940	<5	1.8	173	290
4038	<0.5	14.3	47	<5	4	430	<5	10.1	78	43
4039	<0.5	13.2	132	15	6	670	8	105	93	140
4040	<0.5	10.0	308	7	2	2570	6	25.7	376	52
4041	<0.5	14.9	93	<5	2	110	7	22.7	79	150
4042	<0.5	11.0	517	8	6	310	7	41.1	365	111
4043	<0.5	4.3	35	<5	<1	<10	<5	25.6	33	50

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4044	<0.5	24.8	69	<5	2	910	<5	8.8	85	121
4045	<0.5	19.5	38	<5	<1	150	6	12.1	33	117
4046	<0.5	21.8	120	<5	2	180	7	13.7	113	138
4047	<0.5	8.0	125	<5	34	1470	<5	7.3	126	155
4048	<0.5	12.5	98	<5	3	210	5	10.6	92	134
4049	<0.5	14.8	261	<5	37	20500	8	16.1	267	253
4050	<0.5	9.3	210	<5	11	1790	6	10.3	226	84
4051	<0.5	6.1	461	5	23	2030	6	20.1	362	96
4052	<0.5	13.2	20	<5	109	930	<5	<0.5	48	65
4053	<0.5	14.9	25	<5	59	370	<5	<0.5	37	65
4054	<0.5	7.9	149	<5	3	850	<5	9.3	170	37
4055	<0.5	6.2	32	<5	100	810	<5	<0.5	80	47
4056	<0.5	7.0	391	<5	31	13200	<5	10.7	417	105
4057	<0.5	8.6	58	<5	76	2990	<5	1.0	81	123
4058	<0.5	10.9	204	<5	109	1840	<5	0.9	260	203
4059	<0.5	7.4	143	<5	66	620	<5	1.5	185	54
4060	<0.5	10.1	369	<5	9	360	<5	6.9	333	62
4061	<0.5	11.3	42	<5	156	1760	<5	0.6	74	86
4062	<0.5	11.3	20	5	148	2620	<5	<0.5	45	74
4063	<0.5	13.2	145	<5	13	280	<5	5.3	185	89
4064	<0.5	7.8	62	<5	3	120	<5	9.6	59	109
4065	<0.5	11.4	10	<5	105	990	<5	<0.5	26	31
4066	<0.5	12.9	64	<5	4	180	<5	8.2	76	35
4067	<0.5	12.8	44	<5	<1	80	<5	5.0	63	34
4068	<0.5	8.5	113	6	2	80	<5	20.8	104	113
4069	<0.5	7.0	150	<5	<1	280	<5	9.0	223	24
4070	<0.5	6.3	38	<5	<1	250	<5	17.6	34	42
4071	<0.5	8.9	31	11	2	210	6	26.4	23	22
4072	<0.5	10.1	179	<5	<1	180	<5	5.6	321	27
4073	<0.5	5.3	41	<5	<1	<10	<5	8.4	37	61
4074	<0.5	6.4	42	<5	1	110	6	27.3	30	62
4075	<0.5	4.1	11	<5	<1	<10	<5	9.0	10	88
*Rep 4007	<0.5	19.5	183	13	68	5340	21	3.3	210	206
*Rep 4019	<0.5	17.0	55	<5	<1	500	<5	4.7	68	42
*Rep 4036	<0.5	20.6	277	<5	53	4430	<5	4.0	294	306
*Rep 4042	<0.5	10.3	492	11	6	300	8	45.2	331	98
*Rep 4057	<0.5	8.6	27	<5	72	650	<5	1.5	44	44
*Rep 4068	<0.5	9.2	93	7	2	30	<5	22.3	82	140
*Std MMISRM16	<0.5	45.1	6	<5	34	180	66	<0.5	18	534
*Std AMISO169	<0.5	49.8	478	<5	35	7020	8	5.0	401	649
*Blk BLANK	<0.5	<0.1	1	<5	1	<10	<5	<0.5	1	<5
*Blk BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4001	<0.1	30	<1	7	<1	88	<1	9	8	<1
4002	1.0	150	<1	57	<1	198	<1	35	38	<1
4003	<0.1	50	<1	7	<1	27	<1	8	9	<1
4004	0.2	90	<1	48	<1	64	<1	25	33	<1
4005	0.3	580	<1	101	<1	89	2	27	54	<1
4006	0.2	180	<1	15	<1	45	<1	6	14	<1
4007	0.2	260	<1	54	<1	73	1	9	36	<1
4008	0.3	300	1	134	<1	138	1	23	75	<1
4009	1.1	220	<1	109	<1	220	<1	93	67	<1
4010	1.0	210	<1	192	<1	198	<1	96	110	<1
4011	0.7	120	<1	42	<1	184	<1	72	27	<1
4012	1.9	290	1	37	<1	414	<1	77	29	1
4013	2.1	140	1	203	<1	176	<1	149	136	<1
4014	1.3	270	<1	39	<1	460	<1	64	36	<1
4015	0.9	310	<1	26	<1	353	<1	68	29	<1
4016	2.4	310	<1	16	<1	336	<1	50	18	2
4017	5.2	100	<1	7	<1	273	<1	28	6	2
4018	2.1	260	<1	33	<1	381	<1	79	35	1
4019	0.9	240	<1	14	<1	335	<1	47	13	<1
4020	6.3	200	<1	9	<1	273	<1	33	7	<1
4021	7.2	320	<1	34	<1	176	<1	68	31	2
4022	5.6	330	<1	37	<1	179	<1	67	34	2
4023	2.1	230	<1	37	<1	417	<1	63	36	<1
4024	3.5	200	<1	6	<1	441	<1	31	5	<1
4025	7.9	110	<1	9	<1	351	<1	38	7	2
4026	3.6	170	<1	13	<1	371	<1	37	11	1
4027	0.2	30	<1	11	<1	192	<1	16	13	<1
4028	0.3	230	1	49	<1	121	<1	36	32	<1
4029	1.8	210	<1	39	<1	321	<1	39	35	<1
4030	2.4	230	<1	24	<1	178	<1	36	21	<1
4031	5.9	220	<1	51	<1	303	<1	43	38	<1
4032	3.1	160	<1	19	<1	312	<1	37	15	<1
4033	0.2	50	<1	77	<1	79	<1	36	54	<1
4034	0.3	20	<1	40	<1	72	<1	23	30	<1
4035	0.6	100	<1	44	<1	218	<1	40	34	<1
4036	0.8	330	<1	55	<1	201	<1	65	50	<1
4037	0.2	30	<1	44	<1	62	<1	27	30	<1
4038	1.3	360	<1	16	<1	372	<1	47	20	<1
4039	25.6	260	2	26	<1	243	<1	81	18	13
4040	4.2	180	1	91	<1	257	<1	88	82	2
4041	4.6	180	<1	21	<1	237	<1	49	17	3
4042	15.2	140	<1	104	<1	156	<1	85	65	6
4043	9.8	120	<1	9	<1	67	<1	35	7	1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4044	2.0	210	<1	21	<1	386	<1	38	18	<1
4045	1.7	180	<1	9	<1	364	<1	47	7	1
4046	4.7	170	<1	29	<1	253	<1	45	23	2
4047	1.2	190	<1	32	<1	199	<1	42	27	<1
4048	4.6	170	<1	24	<1	180	<1	39	19	2
4049	4.2	310	<1	68	<1	373	<1	65	53	2
4050	1.3	280	<1	57	<1	253	<1	63	48	<1
4051	2.4	210	1	108	<1	84	<1	51	58	<1
4052	0.1	30	<1	10	<1	95	<1	14	14	<1
4053	0.1	10	<1	9	<1	203	<1	7	7	<1
4054	2.3	180	<1	44	<1	173	<1	49	37	1
4055	<0.1	30	<1	15	<1	93	<1	11	20	<1
4056	1.0	70	<1	108	<1	178	<1	43	74	<1
4057	0.2	20	<1	20	<1	106	<1	6	15	<1
4058	0.1	40	<1	64	<1	101	<1	28	51	<1
4059	0.2	40	<1	45	<1	197	<1	19	37	<1
4060	2.4	130	<1	94	<1	192	<1	49	59	<1
4061	0.1	40	<1	16	<1	49	<1	23	17	<1
4062	<0.1	40	<1	9	<1	57	<1	12	13	<1
4063	1.5	150	<1	47	<1	315	<1	33	38	<1
4064	3.8	70	<1	16	<1	270	<1	27	13	<1
4065	<0.1	20	<1	5	<1	63	<1	6	7	<1
4066	0.7	200	<1	20	<1	291	<1	33	17	<1
4067	0.8	290	<1	16	<1	267	<1	31	14	<1
4068	6.3	100	<1	29	<1	210	<1	37	21	1
4069	1.4	580	<1	53	<1	125	<1	75	54	<1
4070	4.3	190	<1	9	<1	71	<1	33	7	5
4071	9.2	240	<1	7	<1	101	1	28	5	11
4072	1.4	390	<1	73	<1	157	<1	78	73	<1
4073	2.6	310	<1	10	<1	60	<1	23	8	2
4074	9.7	270	<1	9	<1	47	1	24	6	14
4075	2.7	70	<1	3	<1	29	<1	11	2	<1
*Rep 4007	0.2	200	<1	53	<1	117	1	17	34	<1
*Rep 4019	0.7	250	<1	16	<1	346	<1	48	16	<1
*Rep 4036	0.8	230	<1	73	<1	193	<1	62	62	<1
*Rep 4042	17.4	160	1	94	<1	136	<1	81	58	9
*Rep 4057	0.2	20	<1	10	<1	83	<1	5	9	<1
*Rep 4068	6.6	70	<1	23	<1	199	<1	35	17	2
*Std MMISRM16	0.3	70	30	4	<1	417	<1	9	4	<1
*Std AMISO169	3.5	120	1	113	<1	311	1	76	66	1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4001	750	<1	2	<10	18.9	29	<0.5	9	<1	42
4002	340	<1	6	<10	69.6	1600	<0.5	10	<1	141
4003	1360	<1	2	<10	14.0	42	<0.5	25	<1	55
4004	1020	<1	5	<10	78.7	70	<0.5	49	<1	120
4005	470	<1	6	<10	126	230	<0.5	80	4	142
4006	880	<1	2	<10	42.4	32	<0.5	35	<1	60
4007	640	<1	5	<10	85.4	56	<0.5	17	2	105
4008	1010	<1	10	<10	262	119	<0.5	37	2	242
4009	820	<1	9	<10	102	617	<0.5	87	2	221
4010	910	<1	13	<10	143	406	<0.5	72	2	333
4011	720	<1	4	<10	75.1	632	<0.5	82	2	127
4012	280	1	7	<10	135	3490	<0.5	16	2	224
4013	1220	1	21	<10	135	2140	<0.5	25	2	693
4014	110	<1	8	<10	91.3	2530	<0.5	12	1	237
4015	40	<1	6	<10	26.5	1470	<0.5	9	<1	209
4016	150	<1	4	<10	31.2	3810	<0.5	8	<1	143
4017	140	<1	<1	<10	15.9	2990	<0.5	5	<1	37
4018	50	<1	7	<10	41.0	4130	<0.5	11	<1	232
4019	70	<1	3	<10	25.3	1390	<0.5	8	<1	128
4020	110	<1	1	<10	71.1	2430	<0.5	7	<1	41
4021	60	1	5	<10	107	3830	<0.5	17	2	122
4022	100	<1	5	<10	143	3260	<0.5	16	1	110
4023	100	<1	8	<10	84.9	1950	<0.5	12	<1	238
4024	250	<1	1	<10	26.7	2290	<0.5	5	<1	49
4025	160	1	1	<10	31.3	3700	<0.5	7	<1	42
4026	220	<1	2	<10	54.1	2920	<0.5	9	<1	90
4027	1170	<1	2	<10	19.4	35	<0.5	19	<1	79
4028	820	<1	5	<10	179	198	<0.5	15	<1	132
4029	370	<1	8	<10	54.2	1300	<0.5	9	<1	270
4030	290	<1	5	<10	54.5	922	<0.5	18	<1	174
4031	270	<1	6	<10	71.8	1730	<0.5	9	<1	178
4032	70	<1	2	<10	47.1	841	<0.5	7	<1	56
4033	1160	<1	9	<10	114	75	<0.5	23	<1	293
4034	1080	<1	5	<10	78.2	40	<0.5	21	<1	134
4035	600	<1	6	<10	78.1	187	<0.5	28	<1	167
4036	480	<1	11	<10	101	499	<0.5	41	<1	416
4037	900	<1	4	<10	80.6	63	<0.5	14	<1	140
4038	60	<1	4	<10	20.7	2990	<0.5	7	<1	179
4039	190	6	3	<10	89.3	15600	<0.5	20	3	75
4040	80	2	12	<10	152	5500	<0.5	17	2	241
4041	100	1	3	<10	62.9	5120	<0.5	11	1	88
4042	180	3	10	<10	85.5	7330	<0.5	22	2	273
4043	60	1	1	<10	33.9	3810	<0.5	8	<1	32

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4044	120	<1	3	<10	57.0	1480	<0.5	6	<1	89
4045	60	<1	1	<10	25.6	2630	<0.5	8	<1	43
4046	110	<1	4	<10	45.6	3540	<0.5	14	1	117
4047	540	<1	5	<10	38.5	1200	<0.5	13	<1	156
4048	130	<1	3	<10	46.9	2510	<0.5	9	<1	83
4049	460	<1	8	<10	74.0	3730	<0.5	21	1	200
4050	280	<1	8	<10	89.8	1980	<0.5	16	<1	232
4051	330	<1	7	<10	161	1470	<0.5	34	1	130
4052	750	<1	3	<10	8.3	26	<0.5	6	<1	81
4053	360	<1	<1	<10	5.9	15	<0.5	7	<1	25
4054	50	<1	5	<10	65.0	2190	<0.5	11	<1	119
4055	670	<1	3	<10	18.3	<3	1.5	7	<1	61
4056	340	<1	10	<10	140	1810	<0.5	33	1	234
4057	470	<1	2	<10	21.6	30	<0.5	13	<1	44
4058	770	<1	8	<10	79.3	16	<0.5	22	<1	205
4059	860	<1	5	<10	45.4	181	<0.5	11	<1	113
4060	200	<1	9	<10	57.2	1310	<0.5	12	<1	241
4061	620	<1	3	<10	25.7	32	<0.5	3	<1	113
4062	810	<1	3	<10	10.0	19	<0.5	3	<1	86
4063	230	<1	7	<10	40.3	700	<0.5	8	<1	186
4064	140	<1	2	<10	20.0	1640	<0.5	6	<1	55
4065	480	<1	1	<10	5.4	17	<0.5	1	<1	42
4066	110	<1	3	<10	37.4	1650	<0.5	5	<1	89
4067	<10	<1	3	<10	24.7	1100	<0.5	5	<1	72
4068	120	1	3	<10	58.9	2970	<0.5	10	<1	63
4069	100	<1	10	<10	34.4	2480	<0.5	10	<1	270
4070	80	1	1	<10	22.3	3860	<0.5	5	<1	31
4071	130	2	<1	<10	20.8	7980	<0.5	5	1	21
4072	40	<1	11	<10	18.7	1540	<0.5	10	<1	285
4073	40	<1	1	<10	17.7	1650	<0.5	5	<1	38
4074	110	2	<1	<10	25.2	8040	<0.5	7	1	24
4075	110	<1	<1	<10	9.4	1630	<0.5	4	<1	9
*Rep 4007	920	<1	5	<10	121	85	<0.5	38	1	125
*Rep 4019	70	<1	4	<10	24.4	1110	<0.5	8	<1	144
*Rep 4036	430	<1	11	<10	99.9	543	<0.5	41	<1	391
*Rep 4042	140	3	8	<10	81.9	9620	<0.5	23	2	216
*Rep 4057	470	<1	1	<10	13.0	120	<0.5	3	<1	35
*Rep 4068	110	1	2	<10	52.1	3340	<0.5	10	<1	51
*Std MMISRM16	610	<1	<1	<10	21.2	8	<0.5	59	<1	14
*Std AMISO169	110	<1	8	<10	95.4	610	<0.5	35	2	165
*Bik BLANK	<10	<1	<1	<10	<0.5	7	<0.5	<1	<1	5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111391 Order: EXPL-006

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4001	5	120	24
4002	10	350	90
4003	7	120	20
4004	14	100	55
4005	15	130	85
4006	10	30	32
4007	11	20	83
4008	20	90	220
4009	21	380	170
4010	30	310	193
4011	13	310	103
4012	23	2050	260
4013	52	1030	240
4014	15	110	141
4015	13	360	56
4016	9	350	80
4017	4	520	51
4018	14	340	104
4019	9	490	60
4020	4	1560	124
4021	9	790	171
4022	8	790	215
4023	16	820	136
4024	4	1450	65
4025	4	730	87
4026	7	660	106
4027	8	280	22
4028	13	630	169
4029	15	770	100
4030	11	390	86
4031	11	660	135
4032	4	770	88
4033	30	610	90
4034	13	270	70
4035	10	360	98
4036	28	1710	101
4037	12	640	84
4038	10	160	58
4039	5	230	345
4040	16	140	283
4041	7	190	144
4042	15	140	248
4043	3	80	61

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4044	7	180	86
4045	5	360	59
4046	8	110	95
4047	9	470	58
4048	6	50	95
4049	12	560	125
4050	14	80	134
4051	10	220	231
4052	8	30	21
4053	2	30	6
4054	8	120	133
4055	6	40	14
4056	16	80	162
4057	3	40	17
4058	18	50	54
4059	7	40	35
4060	15	70	83
4061	11	40	50
4062	9	30	17
4063	11	620	66
4064	5	150	46
4065	3	<20	15
4066	6	40	80
4067	6	220	50
4068	5	100	110
4069	18	160	88
4070	3	90	74
4071	2	160	110
4072	17	180	52
4073	4	40	36
4074	2	120	91
4075	1	50	19
*Rep 4007	13	60	84
*Rep 4019	9	530	52
*Rep 4036	24	1730	105
*Rep 4042	12	140	265
*Rep 4057	2	30	32
*Rep 4068	4	70	99
*Std MMISRM16	<1	340	21
*Std AMIS0169	12	320	75
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111395

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 01, 2010

P.O. No. : EXPL-006
Project No. : -
No. Of Samples : 75
Date Submitted : Aug 13, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4226	15	36	20	0.3	15700	<1	360	13	636	61
4227	14	87	<10	0.1	9970	<1	380	22	205	93
4228	3	20	<10	0.2	3650	<1	200	4	54	62
4229	15	17	<10	0.3	15500	<1	290	6	201	40
4230	2	49	<10	0.2	7700	<1	270	5	88	12
4231	2	153	<10	<0.1	5700	<1	220	50	252	31
4232	4	32	<10	0.2	6340	<1	210	4	135	50
4233	6	22	<10	0.2	6220	<1	270	6	65	161
4234	5	35	<10	0.1	7010	<1	290	2	48	28
4235	8	18	10	0.3	9030	<1	250	6	172	98
4236	11	26	10	0.1	17100	<1	310	11	150	104
4237	9	57	<10	0.3	4590	<1	300	4	25	25
4238	3	60	<10	0.2	7110	<1	320	3	31	22
4239	6	39	<10	0.3	6970	<1	310	5	62	60
4240	10	49	<10	0.2	6700	<1	330	6	96	72
4241	5	90	<10	0.2	9500	<1	270	18	451	55
4242	12	27	<10	0.2	11800	<1	420	20	125	149
4243	15	24	<10	0.2	8040	<1	300	11	60	84
4244	1	273	<10	<0.1	12100	<1	20	17	72	128
4245	12	26	<10	0.3	13300	<1	370	10	38	221
4246	8	32	<10	0.1	13100	<1	350	8	57	98
4247	2	109	<10	<0.1	14600	<1	240	5	643	228
4248	<1	241	40	<0.1	5500	<1	10	2	74	26
4249	1	108	30	<0.1	3310	<1	220	4	280	161
4250	1	295	20	<0.1	2920	2	10	6	67	17
4251	<1	>300	30	<0.1	4710	<1	<10	23	116	25
4252	1	>300	30	<0.1	12200	<1	<10	5	232	36
4253	3	236	<10	<0.1	4100	<1	<10	13	64	41
4254	5	206	<10	<0.1	90	<1	<10	9	137	8
4255	4	250	10	<0.1	8690	<1	<10	10	175	42
4256	4	191	<10	<0.1	1740	<1	<10	8	111	12
4257	5	275	10	<0.1	10000	<1	<10	11	147	37
4258	4	225	<10	<0.1	7730	<1	<10	12	117	26
4259	4	239	<10	<0.1	11500	<1	<10	21	65	23
4260	4	274	10	<0.1	6580	<1	<10	10	87	16
4261	3	>300	30	<0.1	13800	<1	<10	7	162	25
4262	7	95	<10	<0.1	11800	<1	250	11	140	161
4263	11	26	20	0.4	15100	<1	290	4	294	71
4264	9	48	<10	0.3	15400	<1	430	6	575	312
4265	16	28	<10	0.2	12400	<1	350	8	182	244
4266	8	148	<10	<0.1	21300	<1	220	10	91	65
4267	12	39	<10	0.3	15000	<1	490	2	54	35
4268	<1	101	<10	<0.1	10200	<1	100	2	132	205

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
4269	2	99	<10	0.3	16100	<1	290	6	833	135
4270	<1	>300	20	<0.1	5480	<1	10	2	140	14
4271	2	>300	20	<0.1	15800	<1	<10	5	259	46
4272	6	35	10	0.2	9880	<1	300	7	309	106
4273	9	27	<10	0.1	9460	<1	560	13	87	57
4274	5	20	<10	0.3	6250	<1	200	2	53	181
4275	5	37	<10	0.2	10000	<1	310	5	54	36
4276	3	132	<10	0.2	10700	<1	290	5	175	53
4277	4	4	10	0.2	14700	<1	170	2	53	16
4278	16	12	<10	0.2	20400	<1	260	9	91	43
4279	9	42	<10	<0.1	12900	<1	370	11	56	407
4280	5	9	20	0.1	14200	<1	220	4	74	62
4281	6	260	10	<0.1	14800	<1	10	13	62	51
4282	5	284	10	<0.1	14400	<1	10	23	92	57
4283	3	276	<10	<0.1	7280	<1	<10	8	159	31
4284	6	36	10	0.3	14600	<1	330	6	154	29
4285	5	18	30	<0.1	15500	<1	270	5	337	18
4286	9	67	20	0.2	12200	<1	310	8	583	61
4287	7	20	20	0.2	15300	<1	250	8	134	74
4288	8	47	<10	0.3	17600	<1	320	5	358	81
4289	5	14	<10	0.2	11800	<1	320	2	14	7
4290	4	226	10	<0.1	12400	<1	180	10	835	134
4291	5	54	<10	0.2	10800	<1	340	7	143	26
4292	5	17	<10	0.2	7950	<1	200	4	48	244
4293	8	24	<10	0.1	11600	<1	300	6	104	135
4294	11	47	<10	0.2	21000	<1	350	23	379	257
4295	<1	271	<10	<0.1	31400	<1	80	4	165	81
4296	4	172	20	<0.1	7910	<1	180	15	301	168
4297	6	49	<10	0.2	10000	<1	320	7	200	192
4298	5	132	<10	0.2	20100	<1	280	7	832	98
4299	4	32	20	0.2	10900	<1	310	3	619	40
4300	2	134	<10	0.3	13700	<1	210	13	259	45
*Rep 4228	4	25	<10	0.1	4670	<1	200	4	59	74
*Rep 4242	8	40	<10	0.2	11500	<1	430	30	173	205
*Rep 4252	1	>300	30	<0.1	15200	<1	10	4	224	38
*Rep 4274	8	29	<10	0.5	9210	<1	310	8	59	289
*Rep 4289	5	14	<10	0.3	11300	<1	300	2	7	7
*Rep 4294	10	65	<10	0.2	19000	<1	350	18	347	296
*Std MMISRM16	17	49	20	28.7	80	<1	190	5	15	70
*Std AMISO169	10	84	20	0.4	850	<1	50	2	1030	178
*Blk BLANK	<1	<1	<10	<0.1	<10	1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4226	<100	0.7	6800	35	20.6	10.8	40	38	53	<1
4227	<100	<0.5	2050	20	13.6	5.1	10	24	24	<1
4228	<100	<0.5	510	7	3.8	1.8	9	10	9	<1
4229	<100	0.5	5320	23	14.4	6.6	36	36	32	<1
4230	<100	1.9	300	7	3.1	3.3	14	20	13	<1
4231	<100	2.4	610	49	29.7	9.3	71	19	44	<1
4232	<100	<0.5	500	9	4.2	3.7	22	16	15	<1
4233	<100	<0.5	930	8	4.6	2.1	14	15	10	<1
4234	<100	<0.5	580	8	4.1	2.2	11	17	11	<1
4235	<100	<0.5	3180	12	7.9	3.7	39	21	18	<1
4236	<100	0.6	1320	15	8.7	4.3	43	42	21	<1
4237	<100	<0.5	680	9	5.3	2.6	13	13	12	2
4238	<100	0.6	730	17	9.7	5.6	13	17	26	2
4239	<100	<0.5	640	12	7.0	3.6	13	18	17	1
4240	<100	0.6	1040	12	6.8	3.6	22	16	17	<1
4241	200	0.7	680	39	20.3	13.5	38	23	62	<1
4242	200	<0.5	1390	17	9.6	5.0	19	29	23	<1
4243	<100	<0.5	2090	10	7.2	2.5	20	19	14	<1
4244	<100	7.1	320	8	7.1	1.4	112	40	6	<1
4245	<100	<0.5	2600	13	8.1	3.0	8	32	16	<1
4246	<100	0.5	2400	12	7.4	2.6	8	32	14	<1
4247	100	4.0	1420	13	6.7	5.1	181	41	21	<1
4248	100	4.0	140	3	1.6	1.3	358	25	4	<1
4249	<100	3.2	410	10	5.0	4.2	151	16	18	<1
4250	200	2.4	100	4	2.3	2.0	91	118	5	<1
4251	100	3.5	90	6	3.2	2.1	107	59	7	<1
4252	200	1.6	250	16	10.0	4.3	241	53	18	<1
4253	<100	4.9	170	12	7.9	2.2	65	42	9	<1
4254	100	10.1	570	14	8.7	3.8	58	24	14	<1
4255	<100	7.3	310	36	19.8	7.1	58	34	30	<1
4256	<100	7.6	150	22	12.6	6.8	23	12	24	<1
4257	100	5.9	190	17	11.2	3.6	73	39	14	<1
4258	<100	9.9	210	22	13.1	4.7	54	27	20	<1
4259	<100	8.3	260	14	10.0	2.1	61	37	8	<1
4260	<100	5.2	120	10	7.3	2.6	101	38	9	<1
4261	400	8.4	150	11	5.5	3.3	205	142	13	<1
4262	<100	8.0	4000	10	7.6	2.5	229	31	11	<1
4263	<100	1.3	6380	21	12.5	6.5	52	36	32	<1
4264	200	<0.5	2870	28	16.8	9.4	33	37	45	<1
4265	<100	<0.5	2470	19	12.0	5.3	28	30	27	<1
4266	<100	2.3	990	49	87.1	3.1	202	53	17	<1
4267	<100	<0.5	1800	28	18.6	6.2	15	36	35	3
4268	<100	7.0	2210	11	6.5	2.7	278	27	11	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4269	200	1.8	4700	31	18.9	9.8	123	40	43	<1
4270	200	6.0	150	7	3.5	2.7	245	57	9	<1
4271	300	6.7	180	13	7.2	4.1	291	72	16	<1
4272	100	<0.5	3230	19	11.1	6.1	46	26	28	<1
4273	<100	<0.5	2720	5	2.2	1.8	40	23	8	<1
4274	<100	<0.5	1980	6	3.7	1.9	11	17	9	1
4275	<100	<0.5	860	11	6.7	2.8	11	25	15	<1
4276	<100	1.7	790	20	12.0	6.2	16	28	27	2
4277	<100	<0.5	3580	6	3.7	1.6	32	35	9	<1
4278	<100	<0.5	6370	15	10.0	3.6	26	49	21	<1
4279	<100	<0.5	2330	6	4.5	1.5	11	32	8	<1
4280	<100	2.8	2970	8	4.3	2.8	21	34	13	<1
4281	100	4.6	190	6	4.9	0.9	126	52	4	<1
4282	100	6.3	300	9	5.5	1.7	111	48	7	<1
4283	100	4.1	300	12	7.1	2.4	156	48	10	<1
4284	<100	1.3	6200	11	7.1	3.1	62	39	16	<1
4285	<100	<0.5	2750	18	8.6	7.3	35	37	30	<1
4286	100	1.0	4130	26	14.4	9.5	66	32	43	<1
4287	<100	<0.5	3920	14	8.3	4.3	18	37	21	<1
4288	<100	<0.5	1690	23	13.1	8.2	20	43	37	<1
4289	<100	<0.5	540	6	2.6	1.7	6	29	9	<1
4290	200	8.6	750	47	22.0	14.9	154	49	64	<1
4291	<100	<0.5	980	21	11.7	6.9	16	27	33	3
4292	<100	0.5	930	6	3.2	1.4	9	20	8	1
4293	<100	<0.5	1460	15	9.4	3.7	15	30	19	<1
4294	200	0.9	1320	19	10.7	6.8	23	50	29	<1
4295	<100	6.2	310	11	10.6	1.3	206	89	7	<1
4296	300	4.0	720	29	16.7	6.5	253	35	31	<1
4297	<100	<0.5	1760	32	20.2	10.3	21	24	50	<1
4298	100	3.0	390	24	10.9	11.0	71	57	43	<1
4299	100	<0.5	3190	28	13.7	11.3	81	28	49	<1
4300	100	2.0	1220	105	67.5	25.1	21	36	117	1
*Rep 4228	<100	<0.5	420	6	3.4	1.6	11	12	8	<1
*Rep 4242	200	<0.5	1190	25	15.4	6.3	22	27	31	<1
*Rep 4252	200	3.5	280	14	8.0	3.9	260	54	16	<1
*Rep 4274	<100	<0.5	2120	15	8.6	5.0	13	23	11	<1
*Rep 4289	<100	<0.5	570	6	2.9	1.8	5	28	9	<1
*Rep 4294	100	0.9	1100	18	10.6	6.2	21	46	26	<1
*Std MMISRM16	<100	13.4	770	2	1.1	1.2	2	1	5	21
*Std AMISO169	200	9.7	5510	39	17.4	15.1	62	24	69	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	1	1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4226	<0.5	29.9	259	14	66	1690	180	5.4	314	168
4227	<0.5	20.5	100	16	82	3510	8	1.5	113	364
4228	<0.5	21.5	17	40	66	11000	26	0.7	29	118
4229	<0.5	12.0	75	14	112	1110	<5	2.5	133	80
4230	<0.5	9.4	50	<5	61	240	<5	1.6	67	53
4231	<0.5	10.6	112	<5	72	720	<5	1.5	148	320
4232	<0.5	10.1	57	6	62	1760	<5	2.0	72	99
4233	<0.5	14.8	25	7	92	10800	<5	1.1	39	130
4234	<0.5	14.7	18	14	60	1180	<5	1.0	35	82
4235	<0.5	27.5	62	25	64	11400	12	1.5	93	70
4236	<0.5	17.5	55	<5	63	2580	<5	4.3	82	128
4237	<0.5	12.9	27	<5	82	1190	<5	0.7	44	100
4238	<0.5	14.6	91	<5	80	580	<5	0.9	116	56
4239	<0.5	16.9	42	<5	94	1880	<5	1.2	64	96
4240	<0.5	10.4	46	<5	72	1230	<5	1.9	71	146
4241	<0.5	11.8	277	13	71	5010	<5	3.6	322	311
4242	<0.5	20.9	80	19	110	2870	<5	1.5	106	315
4243	<0.5	27.1	32	12	109	2570	10	1.8	44	209
4244	<0.5	13.8	34	5	10	80	<5	6.5	29	116
4245	<0.5	24.4	20	7	184	6270	<5	0.5	44	148
4246	<0.5	23.7	19	15	115	2800	9	0.6	41	173
4247	<0.5	15.9	216	<5	43	36600	13	6.9	166	68
4248	<0.5	9.4	40	<5	2	510	<5	3.8	25	132
4249	<0.5	8.2	134	<5	17	4600	17	7.2	124	116
4250	<0.5	9.7	38	10	3	460	<5	30.3	28	23
4251	<0.5	16.7	49	<5	2	170	<5	10.8	35	47
4252	<0.5	13.2	148	7	3	170	<5	19.5	99	96
4253	<0.5	15.5	27	<5	1	720	<5	6.3	30	59
4254	<0.5	10.4	74	<5	<1	160	<5	4.8	58	39
4255	<0.5	11.6	68	<5	<1	460	<5	10.2	100	39
4256	<0.5	11.5	41	<5	<1	120	<5	2.7	82	21
4257	<0.5	11.4	62	<5	<1	550	<5	10.3	53	33
4258	<0.5	16.1	58	<5	<1	300	<5	5.2	69	36
4259	<0.5	12.8	22	<5	<1	350	<5	4.7	26	32
4260	<0.5	9.6	38	<5	<1	100	<5	8.6	37	25
4261	<0.5	15.3	92	23	5	180	5	42.7	62	70
4262	<0.5	10.1	68	11	42	3640	6	4.3	65	270
4263	<0.5	14.0	112	11	64	3310	47	2.3	162	137
4264	<0.5	18.6	276	<5	108	7070	<5	4.0	280	156
4265	<0.5	19.0	83	13	111	8410	<5	1.7	119	119
4266	<0.5	15.1	47	7	92	320	<5	1.2	60	462
4267	<0.5	20.6	71	5	155	700	<5	1.0	115	103
4268	<0.5	18.2	65	<5	34	1410	<5	2.5	64	44

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4269	<0.5	12.7	265	7	44	8400	8	11.9	278	108
4270	<0.5	4.8	78	<5	2	90	<5	13.9	55	52
4271	<0.5	14.5	123	20	5	270	<5	25.1	92	105
4272	<0.5	23.3	117	<5	24	8060	<5	5.6	145	62
4273	<0.5	30.6	35	<5	77	6320	6	2.6	47	214
4274	<0.5	15.1	17	11	83	8140	<5	0.6	29	38
4275	<0.5	20.8	24	9	92	1200	<5	<0.5	47	82
4276	<0.5	11.7	128	<5	54	770	<5	2.1	140	57
4277	<0.5	53.2	25	44	64	1890	9	<0.5	37	77
4278	<0.5	49.0	35	26	95	2510	10	0.7	67	83
4279	<0.5	24.7	17	43	110	23100	12	0.8	30	221
4280	<0.5	27.7	32	26	26	1820	28	3.2	52	278
4281	<0.5	22.6	24	7	4	360	<5	12.1	15	71
4282	<0.5	26.2	35	<5	5	310	<5	7.8	29	136
4283	<0.5	10.9	69	<5	2	120	<5	14.4	49	76
4284	<0.5	22.2	66	23	35	2130	136	3.8	83	143
4285	<0.5	20.4	140	14	53	1490	96	2.2	175	63
4286	<0.5	22.9	296	19	41	4230	154	4.8	286	197
4287	<0.5	25.3	57	13	87	3630	20	2.0	82	73
4288	<0.5	18.8	181	6	99	390	<5	2.3	202	115
4289	<0.5	10.0	10	<5	112	340	<5	<0.5	22	44
4290	<0.5	7.3	420	6	28	4280	5	11.7	355	262
4291	<0.5	9.9	133	<5	95	1190	<5	1.1	155	176
4292	<0.5	18.5	22	12	49	11100	<5	<0.5	27	107
4293	<0.5	11.6	34	13	122	3040	<5	1.1	57	111
4294	<0.5	9.9	143	7	99	6440	<5	2.8	158	135
4295	<0.5	21.6	37	23	38	680	<5	9.2	31	178
4296	<0.5	7.7	116	<5	36	7850	8	17.8	124	348
4297	<0.5	20.2	271	28	114	14300	<5	1.5	276	177
4298	<0.5	6.8	435	<5	55	2700	<5	14.2	313	91
4299	<0.5	15.7	346	<5	50	2300	15	18.2	313	66
4300	<0.5	21.6	371	<5	38	950	<5	3.2	475	43
*Rep 4228	<0.5	20.7	15	41	65	9380	17	0.8	27	119
*Rep 4242	<0.5	23.2	96	20	120	4430	<5	1.3	125	347
*Rep 4252	<0.5	15.2	153	9	3	170	<5	16.0	94	102
*Rep 4274	<0.5	18.0	20	7	87	10100	<5	2.0	33	43
*Rep 4289	<0.5	11.0	10	<5	106	470	<5	<0.5	22	45
*Rep 4294	<0.5	9.6	126	6	94	11500	<5	2.1	141	145
*Std MMISRM16	<0.5	39.4	2	<5	31	130	58	<0.5	14	254
*Std AMISO169	<0.5	49.4	526	<5	41	5770	7	6.0	470	685
*Blk BLANK	<0.5	<0.1	1	<5	3	<10	<5	<0.5	1	<5
*Blk BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4226	0.3	650	<1	82	<1	118	3	18	53	<1
4227	0.4	210	<1	29	<1	68	<1	15	23	<1
4228	0.2	30	<1	7	<1	68	<1	<5	8	<1
4229	0.1	670	<1	30	<1	126	2	9	28	<1
4230	0.2	10	<1	16	<1	165	<1	5	14	<1
4231	0.1	310	<1	36	<1	187	<1	38	34	<1
4232	0.3	30	<1	17	<1	75	<1	8	15	<1
4233	0.2	20	<1	9	<1	41	<1	8	9	<1
4234	0.2	20	<1	8	<1	40	<1	8	9	<1
4235	0.2	110	<1	22	<1	9	<1	5	17	<1
4236	0.4	80	<1	20	<1	110	<1	15	18	<1
4237	0.2	30	<1	10	<1	66	<1	10	10	<1
4238	0.2	20	<1	29	<1	134	<1	19	23	<1
4239	0.2	20	<1	15	<1	53	<1	12	15	<1
4240	0.5	40	<1	17	<1	101	<1	12	15	<1
4241	0.7	60	<1	83	<1	166	<1	36	61	<1
4242	0.5	100	<1	26	<1	105	<1	15	22	<1
4243	0.4	60	<1	10	<1	43	<1	10	10	<1
4244	1.4	240	<1	8	<1	280	<1	20	5	<1
4245	0.2	90	<1	9	<1	42	<1	9	12	<1
4246	0.2	70	<1	8	<1	146	<1	12	10	<1
4247	0.5	80	<1	48	<1	155	<1	23	24	<1
4248	3.0	20	<1	8	<1	52	<1	19	5	<1
4249	2.2	90	<1	35	<1	78	<1	18	20	<1
4250	4.8	250	<1	8	<1	71	<1	28	6	11
4251	3.7	160	<1	10	<1	128	<1	21	7	2
4252	8.2	40	<1	29	<1	226	<1	43	19	2
4253	1.6	280	<1	7	<1	228	<1	34	7	1
4254	1.4	230	<1	16	<1	103	<1	45	13	<1
4255	1.7	310	<1	23	<1	350	<1	65	26	<1
4256	0.5	250	<1	17	<1	298	<1	54	22	<1
4257	1.9	250	<1	14	<1	323	<1	52	12	<1
4258	1.2	240	<1	16	<1	378	<1	49	17	<1
4259	1.6	360	<1	6	<1	288	<1	42	7	<1
4260	2.3	480	<1	9	<1	139	<1	45	8	<1
4261	7.2	210	2	18	<1	228	<1	59	13	8
4262	0.5	150	<1	18	<1	154	<1	47	12	<1
4263	0.3	510	<1	39	<1	90	2	15	31	<1
4264	0.2	40	<1	73	<1	37	<1	17	46	<1
4265	0.3	40	<1	27	<1	48	<1	13	23	<1
4266	0.3	60	<1	15	<1	150	<1	66	13	<1
4267	0.2	30	<1	25	<1	24	<1	18	26	<1
4268	0.3	20	<1	17	<1	248	<1	36	11	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4269	0.5	450	1	76	<1	157	<1	57	47	<1
4270	4.4	40	<1	16	<1	101	<1	30	10	2
4271	6.9	100	<1	27	<1	321	<1	50	17	2
4272	0.5	150	1	35	<1	34	<1	13	28	<1
4273	0.3	40	<1	11	<1	13	<1	<5	8	<1
4274	0.1	70	<1	6	<1	78	<1	<5	7	<1
4275	0.2	20	<1	10	<1	166	<1	11	11	<1
4276	0.3	40	<1	37	<1	172	<1	35	28	<1
4277	0.2	240	<1	8	<1	19	1	<5	8	<1
4278	0.1	580	<1	14	<1	50	2	5	15	<1
4279	0.1	20	<1	6	<1	40	<1	7	7	<1
4280	0.2	220	<1	11	<1	189	1	<5	12	<1
4281	1.8	230	<1	4	<1	330	<1	33	3	1
4282	4.3	230	<1	7	<1	287	<1	27	6	<1
4283	5.9	120	<1	14	<1	326	<1	38	9	2
4284	0.3	520	<1	21	<1	101	4	16	14	<1
4285	0.3	350	<1	44	<1	82	1	15	31	<1
4286	0.7	490	<1	77	<1	106	1	28	46	<1
4287	0.2	320	<1	19	<1	43	2	7	18	<1
4288	0.3	100	<1	50	<1	70	<1	17	36	<1
4289	<0.1	<10	<1	4	<1	49	<1	<5	6	<1
4290	3.5	150	<1	100	<1	216	<1	50	66	<1
4291	0.2	20	<1	37	<1	131	<1	18	29	<1
4292	0.1	60	<1	6	<1	89	<1	<5	6	<1
4293	0.2	50	<1	12	<1	106	<1	13	14	<1
4294	0.5	40	<1	41	<1	99	<1	24	29	<1
4295	1.1	230	<1	8	<1	317	<1	54	6	<1
4296	1.9	180	1	31	<1	137	<1	50	27	1
4297	0.3	30	<1	69	<1	119	<1	21	46	<1
4298	2.8	100	1	92	<1	97	<1	35	49	<1
4299	1.6	350	2	85	<1	151	3	25	52	<1
4300	0.4	200	<1	117	<1	235	<1	142	104	<1
*Rep 4228	0.2	40	<1	6	<1	57	<1	<5	7	<1
*Rep 4242	0.4	200	<1	30	<1	103	<1	22	26	<1
*Rep 4252	7.8	60	<1	28	<1	279	<1	38	17	1
*Rep 4274	0.3	60	<1	10	<1	82	<1	13	10	<1
*Rep 4289	<0.1	<10	<1	4	<1	50	<1	6	6	<1
*Rep 4294	0.4	40	<1	37	<1	104	<1	26	27	<1
*Std MMISRM16	0.3	90	31	2	<1	346	<1	8	5	<1
*Std AMISO169	3.8	140	1	130	<1	308	1	85	80	1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	2	<1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4226	1230	<1	7	<10	117	147	<0.5	131	2	174
4227	840	<1	4	<10	30.5	68	<0.5	85	<1	112
4228	550	<1	1	<10	17.7	16	<0.5	23	<1	36
4229	860	<1	5	<10	75.7	147	<0.5	10	2	126
4230	430	<1	2	<10	19.0	154	<0.5	15	<1	39
4231	460	<1	8	<10	57.2	92	<0.5	28	<1	283
4232	350	<1	2	<10	19.6	150	<0.5	13	<1	53
4233	1390	<1	1	<10	23.1	79	<0.5	7	<1	43
4234	2070	<1	2	<10	24.3	58	<0.5	34	<1	39
4235	4210	<1	2	<10	63.2	75	<0.5	9	<1	74
4236	2670	<1	3	<10	57.3	411	<0.5	18	<1	80
4237	600	<1	2	<10	22.4	30	<0.5	11	<1	55
4238	760	<1	4	<10	28.7	34	<0.5	9	<1	95
4239	630	<1	2	<10	23.8	58	<0.5	4	<1	72
4240	590	<1	2	<10	35.3	72	<0.5	9	<1	66
4241	540	<1	9	<10	111	427	<0.5	22	<1	204
4242	1490	<1	3	<10	48.6	37	<0.5	13	<1	86
4243	1190	<1	2	<10	19.9	164	<0.5	33	<1	61
4244	190	<1	1	<10	23.1	1420	<0.5	4	<1	43
4245	770	<1	2	<10	11.6	10	<0.5	22	<1	70
4246	730	<1	2	<10	26.7	31	<0.5	147	<1	61
4247	810	<1	3	<10	79.1	1020	<0.5	12	<1	74
4248	100	<1	<1	<10	24.0	581	<0.5	4	<1	14
4249	400	<1	2	<10	34.3	1020	<0.5	7	<1	54
4250	140	3	<1	<10	25.6	9510	<0.5	5	2	22
4251	80	<1	1	<10	22.3	2470	<0.5	4	<1	27
4252	160	1	3	<10	83.3	3370	<0.5	8	<1	78
4253	60	<1	2	<10	15.0	2010	<0.5	5	<1	68
4254	40	<1	3	<10	26.5	854	<0.5	8	<1	79
4255	80	<1	6	<10	36.3	2820	<0.5	7	<1	191
4256	40	<1	4	<10	10.1	726	<0.5	5	<1	136
4257	100	<1	3	<10	23.2	2820	<0.5	6	<1	110
4258	80	<1	4	<10	16.0	1370	<0.5	6	<1	145
4259	80	<1	2	<10	16.8	1040	<0.5	5	<1	84
4260	70	<1	2	<10	18.1	1960	<0.5	6	<1	70
4261	210	3	2	<10	86.9	10400	<0.5	12	2	52
4262	940	<1	2	<10	31.8	386	<0.5	123	<1	67
4263	1270	<1	4	<10	72.3	164	<0.5	33	2	130
4264	930	<1	6	<10	131	71	<0.5	11	<1	171
4265	960	<1	4	<10	58.2	107	<0.5	13	<1	116
4266	1040	<1	4	<10	27.7	163	<0.5	24	<1	362
4267	1870	<1	5	<10	38.9	23	<0.5	17	<1	162
4268	380	<1	2	<10	15.6	573	<0.5	16	<1	67

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4269	960	<1	7	<10	134	744	<0.5	39	1	154
4270	140	1	1	<10	37.6	3560	<0.5	6	<1	35
4271	200	2	3	<10	61.3	3710	<0.5	10	1	66
4272	660	<1	4	<10	109	366	<0.5	6	1	118
4273	1590	<1	1	<10	15.5	12	<0.5	25	<1	29
4274	660	<1	1	<10	14.9	30	<0.5	3	<1	44
4275	780	<1	2	<10	25.0	25	<0.5	21	<1	62
4276	730	<1	4	<10	51.9	159	<0.5	16	<1	110
4277	2620	<1	1	<10	14.2	8	<0.5	11	2	44
4278	2970	<1	3	<10	25.4	75	<0.5	14	2	101
4279	1520	<1	1	<10	26.8	28	<0.5	44	1	42
4280	780	<1	2	<10	36.3	206	<0.5	39	3	52
4281	130	<1	<1	<10	22.6	2900	<0.5	5	<1	35
4282	160	<1	1	<10	32.3	1480	<0.5	5	<1	48
4283	120	1	2	<10	45.0	4010	<0.5	10	<1	59
4284	1470	<1	2	<10	48.1	494	<0.5	34	1	71
4285	1700	<1	4	<10	54.2	53	<0.5	24	1	101
4286	1370	<1	6	<10	101	335	<0.5	188	2	166
4287	950	<1	3	<10	44.8	123	<0.5	22	<1	83
4288	790	<1	5	<10	59.3	86	<0.5	18	<1	142
4289	810	<1	1	<10	4.6	7	<0.5	6	<1	35
4290	360	<1	10	<10	91.7	2170	<0.5	36	<1	253
4291	800	<1	4	<10	57.4	26	<0.5	46	<1	118
4292	550	<1	1	<10	14.2	17	<0.5	3	<1	36
4293	860	<1	3	<10	33.2	78	<0.5	9	<1	88
4294	1020	<1	4	<10	76.6	170	<0.5	59	<1	103
4295	550	<1	1	<10	70.4	1530	<0.5	7	<1	65
4296	420	<1	5	<10	102	2550	<0.5	22	1	178
4297	1520	<1	7	<10	80.4	58	<0.5	18	<1	202
4298	570	<1	6	<10	138	1400	<0.5	27	1	124
4299	630	1	7	<10	133	1570	<0.5	19	2	159
4300	680	<1	19	<10	49.2	544	<0.5	17	1	608
*Rep 4228	600	<1	1	<10	18.5	19	<0.5	25	<1	34
*Rep 4242	1610	<1	5	<10	50.8	51	<0.5	11	<1	130
*Rep 4252	160	<1	3	<10	79.9	2400	<0.5	7	<1	65
*Rep 4274	820	<1	3	<10	17.8	123	<0.5	4	<1	91
*Rep 4289	790	<1	1	<10	4.4	4	<0.5	6	<1	38
*Rep 4294	1010	<1	4	<10	78.7	143	<0.5	71	<1	104
*Std MMISRM16	540	<1	<1	<10	22.9	<3	<0.5	57	<1	11
*Std AMISO169	120	<1	10	<10	110	713	<0.5	36	2	192
*Bik BLANK	<10	<1	<1	<10	<0.5	3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.8	<3	<0.5	<1	<1	<5

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Final : TO111395 Order: EXPL-006

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4226	20	40	119
4227	12	120	25
4228	4	70	21
4229	14	<20	108
4230	2	30	19
4231	21	750	33
4232	3	30	39
4233	4	100	45
4234	4	50	30
4235	8	20	50
4236	9	50	109
4237	5	20	31
4238	9	30	30
4239	6	120	39
4240	6	120	49
4241	18	1660	121
4242	8	210	47
4243	7	230	50
4244	7	520	44
4245	7	80	19
4246	7	90	26
4247	6	120	79
4248	2	30	25
4249	4	350	46
4250	2	190	87
4251	3	90	45
4252	9	210	129
4253	7	360	45
4254	7	170	45
4255	15	390	82
4256	10	90	31
4257	9	150	71
4258	10	230	45
4259	8	480	42
4260	7	120	52
4261	5	220	302
4262	7	120	51
4263	12	30	84
4264	15	240	117
4265	12	100	76
4266	105	600	40
4267	18	210	39
4268	5	60	23

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Final : TO111395 Order: EXPL-006

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4269	18	220	177
4270	3	110	62
4271	6	250	145
4272	11	60	195
4273	2	30	10
4274	3	30	45
4275	6	80	28
4276	11	270	67
4277	4	20	24
4278	10	40	31
4279	5	110	19
4280	4	60	62
4281	4	500	69
4282	5	1130	67
4283	6	270	102
4284	7	40	76
4285	7	30	67
4286	14	40	119
4287	8	30	123
4288	12	90	85
4289	2	30	10
4290	16	1620	119
4291	11	50	48
4292	3	90	31
4293	9	190	49
4294	10	220	84
4295	10	2450	146
4296	13	400	172
4297	19	390	79
4298	9	410	168
4299	12	40	258
4300	55	60	96
*Rep 4228	3	80	20
*Rep 4242	15	310	51
*Rep 4252	8	190	120
*Rep 4274	8	70	84
*Rep 4289	2	30	10
*Rep 4294	10	480	66
*Std MMISRM16	<1	300	20
*Std AMIS0169	14	340	87
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111755

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 10, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 8
Date Submitted : Sep 03, 2010
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
1225	6	95	10	1.1	1050	<1	230	11	1080	67
1226	4	26	<10	1.0	740	<1	290	10	28	67
1227	3	6	<10	1.9	470	<1	140	3	83	79
1228	6	8	<10	0.8	1180	<1	230	5	8	91
4630	11	16	<10	0.3	970	<1	250	9	55	155
4631	3	78	<10	0.1	1720	<1	270	16	401	174
4632	3	27	<10	0.5	1190	<1	310	4	138	122
4633	7	14	<10	0.2	1510	<1	220	4	557	73
*Rep 4633	6	31	10	0.6	1180	<1	220	4	1160	59
*Std MMISRM18	19	26	20	6.9	190	<1	160	81	24	72
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
1225	100	3.5	910	44	20.5	18.2	52	17	72	<1
1226	<100	2.7	1950	5	2.3	1.8	10	12	8	<1
1227	<100	<0.5	430	3	1.7	1.1	6	7	5	<1
1228	<100	<0.5	570	4	2.0	1.1	2	17	6	<1
4630	<100	<0.5	1070	12	6.2	3.3	5	14	17	<1
4631	<100	1.6	1520	19	11.3	6.4	171	25	27	<1
4632	<100	2.0	1460	7	3.3	3.1	18	17	13	<1
4633	<100	0.7	790	31	12.7	16.5	27	22	63	<1
*Rep 4633	<100	1.1	1000	41	17.3	21.2	48	18	82	<1
*Std MMISRM18	<100	7.4	800	4	1.5	1.4	3	3	6	8
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
1225	<0.5	18.3	369	<5	42	400	<5	5.3	430	102
1226	<0.5	15.9	5	<5	87	710	10	1.4	21	208
1227	<0.5	27.0	24	6	12	3620	<5	0.7	25	90
1228	<0.5	21.7	4	42	122	3950	<5	<0.5	11	80
4630	<0.5	15.1	21	6	104	14600	<5	<0.5	45	175
4631	<0.5	7.1	146	<5	51	32800	14	4.7	181	284
4632	<0.5	20.1	30	<5	80	2400	8	1.1	59	92
4633	<0.5	12.6	270	<5	55	330	<5	2.3	338	45
*Rep 4633	<0.5	13.0	473	<5	47	770	<5	4.2	536	50
*Std MMISRM18	<0.5	26.0	7	<5	80	580	34	<0.5	18	551
*Bik BLANK	<0.5	<0.1	<1	<5	<1	10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
1225	1.1	160	<1	110	<1	202	<1	38	80	<1
1226	0.3	80	<1	3	<1	148	<1	<5	6	<1
1227	4.2	30	<1	6	<1	<5	<1	<5	5	<1
1228	<0.1	50	<1	3	<1	48	<1	<5	4	<1
4630	0.1	20	<1	9	<1	54	<1	7	12	<1
4631	0.6	120	<1	46	<1	59	<1	49	31	<1
4632	0.1	60	<1	12	<1	190	<1	<5	12	<1
4633	0.5	50	<1	77	<1	90	<1	15	65	<1
*Rep 4633	0.8	100	<1	133	<1	104	<1	21	92	<1
*Std MMISRM18	0.9	280	12	3	6	179	<1	<5	5	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
1225	390	<1	10	<10	97.3	582	<0.5	22	<1	206
1226	360	<1	1	<10	11.9	33	<0.5	34	<1	25
1227	180	<1	<1	<10	8.9	65	<0.5	32	<1	19
1228	630	<1	<1	<10	2.0	13	<0.5	4	<1	24
4630	580	<1	2	<10	12.3	23	<0.5	23	<1	57
4631	670	<1	4	<10	32.0	222	<0.5	157	<1	114
4632	510	<1	2	<10	13.1	19	<0.5	34	<1	37
4633	450	<1	7	<10	29.6	238	<0.5	8	<1	155
*Rep 4633	390	<1	10	<10	66.7	420	<0.5	14	<1	198
*Std MMISRM18	1210	<1	<1	<10	19.7	6	<0.5	33	<1	22
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111755 Order:

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Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
1225	15	190	83
1226	2	240	9
1227	2	40	18
1228	2	130	<5
4630	5	70	12
4631	11	90	51
4632	2	20	9
4633	9	30	37
*Rep 4633	13	40	60
*Std MMISRM18	<1	690	27
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111769

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 16, 2010

P.O. No. : EXPL-007
Project No. : -
No. Of Samples : 89
Date Submitted : Sep 03, 2010
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
5251	2	>300	20	<0.1	2110	<1	<10	18	102	32
5252	4	223	10	0.2	4490	<1	110	14	1120	80
5253	3	>300	20	<0.1	1620	<1	20	10	499	38
5254	4	252	<10	<0.1	850	<1	40	25	233	107
5255	11	64	<10	0.2	1340	<1	290	5	75	35
5256	4	135	<10	0.2	2760	<1	250	22	431	139
5257	11	23	20	0.2	2310	<1	270	8	126	54
5258	9	89	<10	0.2	4210	1	360	7	433	62
5259	9	50	<10	0.3	2830	<1	420	8	175	110
5260	5	164	<10	0.2	2080	<1	180	8	288	57
5261	1	130	<10	<0.1	2450	<1	170	4	345	48
5262	9	31	<10	0.2	2270	<1	330	5	176	102
5263	14	96	<10	0.1	2370	<1	370	13	318	77
5264	7	124	<10	0.1	1740	<1	300	21	146	129
5265	1	183	<10	<0.1	540	<1	20	5	424	21
5266	1	5	<10	0.3	1300	<1	140	1	5	27
5267	5	101	<10	0.2	1860	<1	290	6	226	20
5268	14	58	<10	0.2	2070	<1	420	13	154	190
5269	9	41	<10	0.3	2410	<1	320	4	19	28
5270	5	22	<10	0.1	2190	<1	290	3	12	11
5271	13	82	<10	0.1	2270	<1	340	9	518	80
5272	6	21	<10	0.3	1260	<1	200	3	30	52
5273	11	18	<10	0.2	1880	<1	300	3	6	27
5274	11	16	<10	0.1	1690	<1	300	11	70	207
5275	5	58	<10	0.2	2210	<1	330	5	167	69
5276	3	270	10	<0.1	1580	<1	10	9	53	76
5277	6	93	<10	0.2	2170	<1	300	7	342	15
5278	2	180	<10	<0.1	2120	<1	120	50	380	112
5279	<1	118	<10	<0.1	2210	<1	150	25	20	507
5280	7	99	<10	0.3	3170	<1	430	10	520	67
5281	5	100	<10	<0.1	1150	<1	300	27	425	134
5282	5	28	<10	0.3	1420	<1	260	1	61	<5
5283	4	29	<10	0.2	1270	<1	290	3	9	79
5284	12	58	<10	0.1	1710	<1	310	7	320	191
5285	8	10	<10	0.3	2640	<1	220	4	68	52
5286	6	112	<10	0.2	1600	<1	220	14	424	57
5287	7	54	<10	0.2	2190	<1	370	4	122	62
5288	4	101	<10	0.3	1680	<1	280	13	789	31
5289	4	98	<10	0.1	1470	<1	230	9	490	42
5290	13	56	<10	0.2	2460	<1	490	5	360	26
5291	4	82	<10	0.2	2280	<1	270	4	136	67
5292	2	236	<10	<0.1	2400	<1	20	37	23	112
5293	3	249	<10	<0.1	2470	<1	<10	9	23	64

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
5294	3	284	<10	<0.1	920	<1	<10	11	147	60
5295	8	48	<10	0.2	1220	<1	320	5	216	15
5296	3	>300	20	<0.1	2370	<1	20	7	133	55
5297	2	299	10	<0.1	2760	<1	<10	25	143	89
5298	8	121	<10	0.2	2010	<1	240	13	823	99
5299	4	10	<10	0.5	1400	<1	190	3	55	184
5300	5	115	<10	0.2	2360	<1	320	11	665	241
5301	5	220	<10	0.2	2210	<1	70	7	606	29
5302	4	181	<10	0.1	2230	<1	160	4	838	39
5303	16	37	<10	0.3	2280	<1	280	7	80	38
5304	11	30	<10	0.2	2250	<1	310	8	102	153
5305	15	18	<10	0.3	2980	<1	340	8	90	125
5306	3	181	<10	0.2	2360	<1	140	2	318	40
5307	3	106	<10	0.3	2360	<1	230	2	480	49
5308	3	111	<10	0.3	1530	<1	260	10	488	80
5309	2	140	<10	<0.1	1570	<1	260	56	190	114
5310	7	18	<10	0.2	1620	<1	260	2	46	24
5311	3	102	<10	0.2	2110	<1	270	12	610	109
5312	11	83	<10	0.3	1360	<1	260	3	143	6
5313	8	32	<10	0.4	1430	<1	260	2	17	14
5314	5	70	<10	0.2	590	<1	290	10	146	65
5315	5	72	<10	0.2	1890	<1	310	11	694	256
5316	<1	>300	30	<0.1	1650	<1	10	8	395	28
5317	8	30	<10	0.2	2400	<1	320	9	294	55
5318	9	25	<10	0.3	2160	<1	330	5	23	40
5319	2	125	<10	<0.1	1720	<1	40	6	277	31
5320	3	164	<10	0.1	2420	<1	120	2	605	29
5321	16	82	<10	0.2	2250	<1	360	24	571	311
5322	15	30	<10	<0.1	1940	<1	410	4	22	13
5323	11	52	<10	0.2	1910	<1	310	4	285	44
5324	9	257	20	<0.1	2320	1	30	35	346	120
5325	1	206	30	0.1	2240	3	70	13	1130	85
5326	<1	276	<10	<0.1	2320	<1	10	13	78	110
5327	16	112	<10	0.2	1580	<1	320	17	191	39
5328	7	24	<10	0.3	1260	<1	220	5	68	43
5329	17	15	<10	0.2	2760	<1	260	6	155	44
5330	2	145	<10	0.2	2960	<1	210	23	440	60
5331	5	5	20	0.2	2120	<1	150	5	18	232
5332	4	67	<10	0.1	1050	<1	200	6	292	24
5333	6	58	<10	0.2	2200	<1	310	10	605	136
5334	3	107	<10	0.2	2740	<1	280	13	76	41
5335	3	24	<10	0.2	1890	<1	250	3	40	20
5336	14	79	<10	0.1	1940	<1	280	19	828	160

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
5337	18	83	<10	<0.1	910	<1	370	26	170	39
5338	2	51	<10	<0.1	830	<1	260	2	60	18
5339	8	85	<10	0.1	2160	<1	260	6	249	19
*Rep 5260	5	131	<10	0.1	1850	<1	260	5	308	34
*Rep 5273	11	26	<10	0.2	1870	<1	340	4	28	41
*Rep 5280	7	117	<10	0.3	2990	<1	360	10	531	79
*Rep 5302	3	219	<10	0.3	2480	<1	100	4	786	71
*Rep 5311	3	108	<10	0.6	2070	<1	270	14	606	124
*Rep 5324	7	251	10	<0.1	2490	<1	30	21	320	94
*Rep 5336	10	66	<10	<0.1	1030	<1	250	15	779	103
*Std MMISRM16	18	40	20	27.1	80	<1	180	4	13	63
*Std AMIS0169	9	67	20	0.5	790	<1	40	2	912	146
*Std MMISRM18	24	25	10	9.0	150	<1	150	77	23	76
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
5251	100	7.2	140	7	3.8	2.7	104	22	8	<1
5252	100	5.3	1160	147	81.2	34.9	61	17	158	2
5253	300	8.1	230	26	12.8	9.2	165	25	35	2
5254	<100	2.0	1070	65	34.9	11.4	132	15	52	<1
5255	<100	1.8	2060	12	5.6	5.0	9	1	20	<1
5256	100	1.7	1000	48	33.6	10.8	55	6	48	<1
5257	<100	<0.5	6640	13	8.2	3.4	28	2	16	<1
5258	100	3.0	2450	16	8.9	6.1	29	6	24	<1
5259	<100	0.5	1510	21	14.6	5.7	12	2	26	<1
5260	<100	3.7	790	76	51.2	10.2	156	9	51	<1
5261	<100	7.6	560	52	28.2	11.7	54	4	53	<1
5262	<100	<0.5	3620	11	6.0	3.8	20	2	16	<1
5263	<100	1.7	3760	19	12.9	5.4	31	5	22	<1
5264	<100	1.0	420	27	19.2	5.1	48	3	25	<1
5265	100	7.0	130	47	20.7	19.4	69	21	71	<1
5266	<100	<0.5	210	2	0.8	0.6	1	<1	3	<1
5267	100	0.8	730	24	13.9	6.7	20	2	30	<1
5268	<100	<0.5	1400	12	7.2	4.0	14	2	16	<1
5269	<100	0.7	870	11	6.8	3.1	10	1	14	3
5270	<100	<0.5	810	12	5.5	3.7	5	<1	17	1
5271	300	0.8	1830	35	21.1	9.9	24	5	45	<1
5272	<100	<0.5	520	6	2.9	1.8	6	<1	9	1
5273	<100	<0.5	990	9	5.3	2.0	4	<1	11	1
5274	<100	<0.5	1550	11	6.1	2.9	12	1	14	1
5275	<100	<0.5	1180	23	14.5	6.6	12	2	31	1
5276	<100	3.8	180	6	3.8	1.4	150	14	5	<1
5277	<100	2.1	600	38	19.2	11.6	12	3	50	1
5278	<100	3.7	400	107	57.6	16.9	88	6	80	<1
5279	<100	2.9	190	7	14.0	0.8	103	1	3	<1
5280	100	0.6	1040	70	50.6	15.1	28	4	70	1
5281	<100	1.0	840	42	24.7	10.5	29	3	48	<1
5282	<100	0.7	530	11	4.8	4.5	7	<1	18	1
5283	<100	<0.5	680	9	5.8	2.0	6	<1	10	3
5284	<100	0.5	2400	16	9.3	5.6	23	3	24	<1
5285	<100	0.5	7040	13	8.5	2.8	22	2	14	<1
5286	<100	<0.5	950	72	38.7	22.0	29	6	100	<1
5287	<100	<0.5	890	29	18.9	7.1	7	2	36	3
5288	200	0.6	1650	100	64.2	24.5	24	7	117	1
5289	100	<0.5	870	57	32.5	15.9	62	6	71	<1
5290	100	0.5	1850	75	53.0	16.6	12	4	84	1
5291	<100	2.9	240	8	3.8	2.9	33	3	11	<1
5292	<100	3.6	280	4	3.3	0.6	115	10	2	<1
5293	<100	4.3	140	3	2.7	0.6	76	7	1	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
5294	100	7.4	170	17	11.4	3.7	105	38	14	<1
5295	<100	0.6	820	26	14.2	8.0	21	2	36	<1
5296	100	2.4	120	9	4.9	2.4	159	22	9	<1
5297	<100	3.9	250	9	7.2	1.8	138	22	6	<1
5298	<100	1.6	620	52	26.5	17.8	47	7	70	<1
5299	<100	<0.5	830	7	3.8	1.7	8	<1	9	<1
5300	100	0.7	1040	82	60.5	16.7	51	6	80	<1
5301	<100	4.6	1140	199	115	25.5	128	18	130	<1
5302	100	4.1	160	42	20.5	14.6	57	10	55	<1
5303	<100	0.8	1730	20	11.9	5.4	13	2	24	<1
5304	<100	<0.5	2350	16	10.8	4.0	16	2	20	<1
5305	<100	0.7	8250	17	12.0	3.8	18	2	20	<1
5306	<100	3.3	720	67	40.0	11.8	99	10	54	<1
5307	100	3.6	420	43	24.7	12.0	43	7	51	<1
5308	100	1.3	490	73	44.9	17.0	67	5	80	<1
5309	<100	1.0	440	116	83.1	11.5	98	4	62	<1
5310	<100	<0.5	1050	17	10.3	4.1	7	<1	22	1
5311	100	<0.5	680	74	47.2	17.3	27	5	79	<1
5312	<100	2.6	440	19	9.1	5.9	8	1	25	1
5313	<100	0.6	740	11	6.1	3.3	4	<1	15	3
5314	<100	1.0	600	9	4.8	3.2	16	1	13	<1
5315	200	0.5	2960	33	18.9	9.5	27	4	42	<1
5316	200	6.7	110	25	11.4	8.1	107	23	29	<1
5317	<100	1.2	3590	19	9.9	6.1	27	3	27	<1
5318	<100	<0.5	1240	15	9.6	3.4	7	<1	17	2
5319	<100	6.4	320	107	48.3	39.3	32	13	161	<1
5320	<100	2.5	800	87	43.0	20.2	91	12	89	<1
5321	100	0.8	1760	35	24.7	9.2	33	5	43	<1
5322	<100	0.6	800	15	8.8	3.8	11	<1	18	2
5323	100	0.9	1170	21	12.6	5.8	8	3	26	1
5324	100	5.7	620	30	14.6	7.9	130	33	32	<1
5325	200	2.1	380	74	32.9	25.4	143	26	101	<1
5326	<100	3.7	490	22	22.0	2.1	70	8	9	<1
5327	<100	1.5	1420	21	13.9	4.7	17	2	22	<1
5328	<100	<0.5	1360	5	2.9	1.9	12	<1	8	<1
5329	<100	1.6	5400	19	11.9	5.3	33	3	24	<1
5330	<100	2.1	200	54	31.3	12.7	47	4	56	<1
5331	<100	<0.5	1220	3	1.8	0.9	4	<1	4	<1
5332	<100	1.7	220	11	4.6	5.1	20	4	18	<1
5333	<100	0.7	2230	20	11.4	7.7	67	5	29	<1
5334	<100	3.5	440	37	23.6	9.1	12	2	43	<1
5335	<100	0.8	380	7	3.3	2.7	6	<1	11	<1
5336	<100	2.9	3310	33	18.6	11.5	68	6	46	<1

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
5337	<100	1.8	1220	17	9.6	4.6	9	1	21	<1
5338	<100	3.1	200	6	2.6	2.4	12	2	10	<1
5339	<100	3.9	560	67	40.0	12.8	27	3	60	<1
*Rep 5260	100	2.9	830	60	41.9	9.6	100	5	49	<1
*Rep 5273	<100	<0.5	1100	10	6.5	2.6	9	<1	13	<1
*Rep 5280	100	0.7	830	81	58.4	15.8	66	5	73	<1
*Rep 5302	100	5.1	150	46	23.1	14.4	73	12	56	<1
*Rep 5311	100	<0.5	660	77	49.2	18.0	31	5	81	<1
*Rep 5324	100	6.1	550	29	15.4	7.5	125	31	30	<1
*Rep 5336	<100	2.5	2630	30	15.3	11.2	78	7	43	<1
*Std MMISRM16	<100	12.6	670	2	0.9	0.9	<1	<1	4	24
*Std AMIS0169	100	8.0	5090	35	15.3	13.1	46	15	56	1
*Std MMISRM18	<100	6.6	980	4	1.6	1.3	2	<1	6	6
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
5251	<0.5	12.4	55	<5	<1	940	<5	6.8	43	50
5252	<0.5	26.6	588	12	50	1570	<5	13.0	748	115
5253	<0.5	8.0	236	6	5	80	<5	8.2	228	143
5254	<0.5	14.6	66	8	23	670	<5	7.0	189	219
5255	<0.5	10.7	61	<5	39	1130	<5	<0.5	95	119
5256	<0.5	24.5	178	7	78	2760	<5	2.1	232	146
5257	<0.5	27.6	49	27	62	3810	43	2.4	74	159
5258	<0.5	17.2	171	15	44	2360	13	6.9	176	56
5259	<0.5	17.2	76	16	114	2000	<5	1.3	117	103
5260	<0.5	19.0	114	9	56	1010	<5	2.9	180	235
5261	<0.5	9.8	126	<5	47	780	<5	0.6	202	128
5262	<0.5	18.2	78	13	78	6720	6	0.6	106	76
5263	<0.5	21.0	124	14	58	3160	6	4.0	138	205
5264	<0.5	17.0	82	13	60	2900	<5	0.9	102	227
5265	<0.5	7.4	257	<5	2	110	<5	7.0	375	34
5266	<0.5	13.7	2	20	51	1000	<5	<0.5	8	42
5267	<0.5	14.5	145	<5	71	430	<5	1.8	174	126
5268	<0.5	19.2	63	<5	112	7600	<5	1.7	87	274
5269	<0.5	15.0	34	<5	106	930	<5	0.8	57	75
5270	<0.5	10.8	35	<5	81	200	<5	<0.5	65	76
5271	<0.5	16.5	209	<5	100	620	<5	3.3	261	273
5272	<0.5	13.6	15	<5	76	2240	<5	<0.5	29	80
5273	<0.5	19.5	9	6	112	730	<5	<0.5	24	84
5274	<0.5	25.5	23	<5	104	8180	<5	0.6	51	247
5275	<0.5	14.4	104	<5	103	1630	<5	1.2	156	99
5276	<0.5	32.1	25	14	5	120	<5	7.8	22	134
5277	<0.5	15.4	179	<5	76	230	<5	<0.5	230	132
5278	<0.5	16.6	129	5	55	1590	<5	1.0	277	392
5279	<0.5	25.3	6	8	66	1260	<5	<0.5	12	146
5280	<0.5	16.3	248	<5	142	2000	<5	1.3	308	155
5281	<0.5	18.3	192	<5	82	5710	<5	1.1	236	188
5282	<0.5	10.6	48	<5	68	210	<5	<0.5	81	55
5283	<0.5	16.0	10	<5	104	1460	<5	<0.5	27	62
5284	<0.5	18.7	131	9	82	9310	<5	2.4	164	148
5285	<0.5	27.7	23	33	93	4020	<5	0.9	46	58
5286	<0.5	16.6	408	<5	55	1600	<5	2.9	515	202
5287	<0.5	14.2	79	<5	121	1150	<5	0.6	130	98
5288	<0.5	15.3	479	<5	98	800	<5	1.2	570	275
5289	<0.5	15.8	369	<5	65	1490	<5	4.9	416	172
5290	<0.5	14.2	259	21	152	1550	<5	0.8	351	189
5291	<0.5	16.4	54	<5	62	1120	<5	2.2	63	86
5292	<0.5	17.0	8	13	9	110	<5	4.2	7	158
5293	<0.5	19.3	5	9	3	180	<5	3.6	5	85

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
5294	<0.5	15.0	50	12	4	280	<5	15.4	64	178
5295	<0.5	12.3	162	<5	83	310	<5	1.3	204	240
5296	<0.5	22.4	60	11	7	280	<5	13.2	49	201
5297	<0.5	40.9	34	18	8	480	<5	12.3	33	150
5298	<0.5	17.7	515	<5	72	12500	<5	2.9	472	203
5299	<0.5	12.3	19	10	61	7790	<5	0.5	32	78
5300	<0.5	14.8	298	6	93	5780	<5	1.8	369	199
5301	<0.5	10.1	180	9	33	220	<5	6.6	432	244
5302	<0.5	8.6	402	<5	21	1680	<5	5.8	364	133
5303	<0.5	10.7	47	<5	108	420	<5	1.3	89	143
5304	<0.5	14.6	37	8	110	2510	<5	1.4	79	144
5305	<0.5	18.1	27	25	52	4190	7	1.1	63	97
5306	<0.5	15.2	141	<5	44	660	<5	3.3	224	108
5307	<0.5	16.1	182	<5	62	1610	<5	4.3	245	67
5308	<0.5	11.1	279	<5	82	2260	<5	1.9	343	140
5309	<0.5	21.9	79	<5	123	1680	<5	<0.5	176	344
5310	<0.5	12.7	34	7	101	440	<5	<0.5	68	123
5311	<0.5	19.9	262	<5	100	2980	<5	1.6	357	121
5312	<0.5	8.4	91	<5	59	210	<5	<0.5	126	79
5313	<0.5	8.7	21	<5	92	360	<5	<0.5	45	71
5314	<0.5	6.4	58	<5	61	5760	<5	<0.5	80	155
5315	<0.5	17.3	238	<5	80	5750	<5	4.3	273	281
5316	<0.5	6.6	177	<5	3	140	<5	13.1	166	86
5317	<0.5	23.1	107	10	87	830	<5	2.5	160	103
5318	<0.5	20.5	22	<5	118	980	<5	0.6	53	135
5319	<0.5	16.1	432	<5	7	680	<5	8.1	775	30
5320	<0.5	17.3	284	<5	42	480	<5	7.5	421	95
5321	<0.5	16.7	310	15	89	16800	<5	1.2	289	602
5322	<0.5	11.1	37	<5	97	360	<5	<0.5	67	209
5323	<0.5	14.3	66	<5	79	4690	<5	0.8	113	183
5324	<0.5	24.7	130	8	14	610	<5	18.9	157	180
5325	<0.5	9.3	584	6	14	1810	<5	20.2	639	120
5326	<0.5	14.4	38	7	9	90	<5	4.2	40	72
5327	<0.5	8.3	98	<5	55	1130	<5	0.8	110	226
5328	<0.5	12.4	27	<5	47	2010	<5	1.7	39	54
5329	<0.5	14.9	59	12	81	2160	<5	2.6	107	83
5330	<0.5	17.5	231	<5	49	2870	<5	2.3	265	180
5331	<0.5	21.3	7	36	68	15000	10	<0.5	13	163
5332	<0.5	5.8	127	<5	30	1670	<5	3.5	131	68
5333	<0.5	13.7	227	<5	58	8970	15	6.0	247	197
5334	<0.5	18.6	188	<5	68	590	<5	<0.5	201	115
5335	<0.5	7.4	31	<5	60	400	<5	<0.5	49	48
5336	<0.5	13.5	404	<5	46	7750	<5	2.7	368	202

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
5337	<0.5	19.7	81	<5	70	700	<5	0.7	107	253
5338	<0.5	13.2	38	<5	50	230	<5	0.9	57	66
5339	<0.5	16.6	208	<5	81	110	<5	<0.5	249	114
*Rep 5260	<0.5	18.3	134	<5	63	470	<5	1.4	183	167
*Rep 5273	<0.5	19.6	16	<5	106	770	<5	<0.5	39	125
*Rep 5280	<0.5	14.1	265	<5	121	1580	<5	1.3	320	176
*Rep 5302	<0.5	8.7	354	7	16	2520	<5	6.5	339	170
*Rep 5311	<0.5	21.0	267	<5	99	3390	<5	1.6	367	126
*Rep 5324	<0.5	26.1	117	10	18	420	<5	17.3	152	202
*Rep 5336	<0.5	12.9	381	<5	38	5640	<5	4.6	352	157
*Std MMISRM16	<0.5	36.5	2	<5	29	110	50	<0.5	13	228
*Std AMIS0169	<0.5	41.9	463	<5	32	4290	<5	3.8	444	592
*Std MMISRM18	<0.5	23.3	12	<5	79	510	33	<0.5	20	570
*Blk BLANK	<0.5	<0.1	1	<5	3	<10	<5	<0.5	1	<5
*Blk BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	<5
*Blk BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
5251	2.3	200	<1	11	<1	335	<1	35	9	1
5252	0.8	400	<1	166	<1	362	<1	180	152	<1
5253	4.1	180	<1	59	<1	155	<1	47	42	1
5254	1.7	570	<1	37	<1	324	<1	68	47	<1
5255	0.2	30	<1	20	<1	144	<1	11	21	<1
5256	0.3	300	<1	54	<1	165	<1	62	48	<1
5257	0.3	730	<1	16	<1	55	5	7	15	<1
5258	0.4	210	<1	45	<1	140	1	27	28	<1
5259	0.1	60	<1	25	<1	72	<1	17	24	<1
5260	0.3	210	<1	38	<1	195	<1	61	40	<1
5261	<0.1	290	<1	43	<1	204	<1	53	46	<1
5262	<0.1	70	<1	24	<1	23	<1	<5	18	<1
5263	0.2	410	<1	35	<1	133	<1	32	25	<1
5264	0.2	180	<1	24	<1	135	<1	27	22	<1
5265	1.6	170	<1	82	<1	99	<1	61	81	1
5266	<0.1	10	<1	1	<1	50	<1	<5	2	<1
5267	0.2	80	<1	42	<1	118	<1	22	31	<1
5268	0.2	30	<1	20	<1	56	<1	13	17	<1
5269	0.1	30	<1	12	<1	110	<1	11	12	<1
5270	0.1	10	<1	13	<1	90	<1	7	16	<1
5271	0.3	150	<1	61	<1	80	<1	26	48	<1
5272	<0.1	40	<1	6	<1	33	<1	<5	7	<1
5273	<0.1	40	<1	4	<1	36	<1	7	7	<1
5274	0.1	40	<1	10	<1	15	<1	7	12	<1
5275	0.1	60	<1	34	<1	72	<1	17	30	<1
5276	1.4	120	<1	6	<1	194	<1	28	5	<1
5277	<0.1	50	<1	54	<1	283	<1	21	48	<1
5278	0.2	680	<1	57	<1	351	<1	46	66	<1
5279	0.1	40	<1	3	<1	327	<1	12	3	<1
5280	0.1	200	<1	72	<1	143	<1	62	64	<1
5281	0.1	130	<1	57	<1	142	<1	39	45	<1
5282	<0.1	10	<1	17	<1	135	<1	8	18	<1
5283	<0.1	20	<1	5	<1	53	<1	12	8	<1
5284	0.3	80	<1	39	<1	45	<1	16	27	<1
5285	<0.1	580	<1	9	<1	41	2	7	11	<1
5286	0.4	160	<1	120	<1	105	<1	53	102	<1
5287	0.1	60	<1	27	<1	55	<1	22	30	<1
5288	0.2	150	<1	133	<1	99	<1	54	111	<1
5289	1.0	130	<1	101	<1	82	<1	57	75	<1
5290	<0.1	100	<1	77	<1	88	<1	33	71	<1
5291	0.3	60	<1	15	<1	313	<1	11	12	<1
5292	1.6	270	<1	2	<1	404	<1	20	2	<1
5293	0.5	230	<1	1	<1	310	<1	21	1	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
5294	1.8	270	<1	14	<1	331	<1	48	13	2
5295	0.2	30	<1	47	<1	81	<1	13	37	<1
5296	4.3	80	<1	13	<1	169	<1	35	10	1
5297	1.5	190	<1	8	<1	300	<1	45	7	1
5298	0.7	60	<1	121	<1	188	<1	73	82	<1
5299	<0.1	50	<1	6	<1	25	<1	<5	7	<1
5300	0.2	250	<1	88	<1	116	<1	73	74	<1
5301	0.8	640	<1	87	<1	183	<1	106	106	<1
5302	1.2	80	<1	97	<1	191	<1	43	65	<1
5303	0.2	80	<1	18	<1	103	<1	19	22	<1
5304	0.1	90	<1	15	<1	65	<1	11	17	<1
5305	<0.1	340	<1	12	<1	61	<1	10	15	<1
5306	0.3	280	<1	50	<1	271	<1	48	48	<1
5307	0.2	180	<1	57	<1	233	<1	51	51	<1
5308	0.3	380	<1	80	<1	162	<1	56	74	<1
5309	0.1	500	<1	35	<1	175	<1	41	44	<1
5310	<0.1	30	<1	13	<1	61	<1	11	17	<1
5311	0.2	290	<1	82	<1	136	<1	62	75	<1
5312	0.1	40	<1	29	<1	223	<1	13	25	<1
5313	<0.1	30	<1	9	<1	128	<1	9	12	<1
5314	<0.1	40	<1	18	<1	62	<1	7	15	<1
5315	0.1	260	<1	67	<1	73	<1	26	46	<1
5316	5.1	200	<1	43	<1	149	<1	45	33	<1
5317	0.1	340	<1	36	<1	179	<1	12	29	<1
5318	<0.1	40	<1	10	<1	37	<1	11	14	<1
5319	1.0	300	<1	157	<1	265	<1	83	163	<1
5320	1.0	300	<1	93	<1	195	<1	78	89	<1
5321	0.2	70	<1	74	<1	123	<1	28	47	<1
5322	<0.1	30	<1	14	<1	69	<1	7	16	<1
5323	0.2	30	<1	25	<1	129	<1	19	24	<1
5324	2.0	450	<1	36	<1	326	<1	43	31	2
5325	4.3	520	<1	159	<1	121	<1	72	116	2
5326	0.5	250	<1	10	<1	203	<1	39	8	<1
5327	0.1	120	<1	27	<1	150	<1	18	22	<1
5328	0.2	60	<1	8	<1	68	<1	<5	8	<1
5329	0.2	300	<1	22	<1	133	1	12	23	<1
5330	0.5	330	<1	65	<1	212	<1	48	55	<1
5331	<0.1	80	<1	2	<1	21	<1	<5	3	<1
5332	0.8	50	<1	33	<1	78	<1	11	23	<1
5333	0.3	370	<1	64	<1	67	<1	25	38	<1
5334	<0.1	130	<1	48	<1	201	<1	39	39	<1
5335	0.1	10	<1	10	<1	81	<1	<5	11	<1
5336	0.5	140	<1	97	<1	154	<1	38	56	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
5337	0.1	60	<1	25	<1	155	<1	9	22	<1
5338	0.1	10	<1	12	<1	201	<1	<5	11	<1
5339	<0.1	150	<1	59	<1	214	<1	44	54	<1
*Rep 5260	0.2	160	<1	40	<1	183	<1	53	41	<1
*Rep 5273	<0.1	40	<1	7	<1	35	<1	8	10	<1
*Rep 5280	0.1	290	<1	75	<1	154	<1	73	65	<1
*Rep 5302	1.3	130	<1	89	<1	214	<1	42	64	<1
*Rep 5311	0.2	310	<1	85	<1	140	<1	66	77	<1
*Rep 5324	1.6	500	<1	35	<1	301	<1	45	31	2
*Rep 5336	0.7	130	<1	93	<1	133	<1	24	54	<1
*Std MMISRM16	0.3	70	29	2	<1	332	<1	7	4	<1
*Std AMIS0169	2.9	140	<1	113	<1	250	1	70	72	<1
*Std MMISRM18	0.6	270	15	4	6	151	<1	<5	5	<1
*Blk BLANK	<0.1	<10	<1	2	<1	<5	<1	<5	1	<1
*Blk BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
5251	60	<1	1	<10	19.0	1500	0.6	6	<1	35
5252	990	1	26	<10	136	2960	1.1	34	2	762
5253	170	<1	5	<10	76.5	1670	1.1	14	<1	119
5254	240	<1	10	<10	73.7	1630	0.7	11	<1	317
5255	460	<1	3	<10	18.1	38	0.5	6	<1	64
5256	780	<1	8	<10	112	221	<0.5	14	<1	240
5257	770	<1	2	<10	43.1	191	<0.5	49	2	71
5258	1100	<1	3	<10	135	562	0.6	40	1	77
5259	1130	<1	4	<10	41.1	105	<0.5	15	<1	113
5260	750	<1	10	<10	51.2	619	<0.5	31	<1	410
5261	610	<1	9	<10	32.6	134	0.8	22	<1	286
5262	1160	<1	2	<10	28.7	25	<0.5	55	<1	60
5263	820	<1	4	<10	88.1	357	<0.5	194	<1	106
5264	640	<1	4	<10	28.2	73	<0.5	67	<1	161
5265	80	<1	10	<10	57.3	1570	0.6	13	<1	209
5266	410	<1	<1	<10	2.5	12	<0.5	2	<1	10
5267	610	<1	5	<10	85.3	64	<0.5	15	<1	119
5268	950	<1	2	<10	50.3	104	<0.5	13	<1	66
5269	900	<1	2	<10	25.3	65	<0.5	7	<1	57
5270	910	<1	2	<10	23.5	16	<0.5	13	<1	56
5271	990	<1	7	<10	131	170	<0.5	29	<1	167
5272	570	<1	1	<10	12.7	21	<0.5	4	<1	32
5273	1130	<1	1	<10	9.1	47	<0.5	7	<1	45
5274	2480	<1	2	<10	22.6	22	<0.5	4	<1	50
5275	1020	<1	4	<10	77.7	53	<0.5	17	<1	105
5276	100	<1	<1	<10	19.4	1500	<0.5	4	<1	26
5277	730	<1	8	<10	64.1	39	<0.5	19	<1	183
5278	560	<1	16	<10	60.7	185	<0.5	20	<1	574
5279	730	<1	<1	<10	15.4	46	<0.5	9	<1	40
5280	1420	<1	11	<10	85.6	75	0.5	23	<1	377
5281	620	<1	7	<10	79.1	55	<0.5	30	<1	216
5282	610	<1	3	<10	27.9	37	<0.5	16	<1	52
5283	970	<1	2	<10	37.3	32	<0.5	21	<1	39
5284	750	<1	4	<10	81.4	202	<0.5	24	<1	83
5285	760	<1	2	<10	28.3	118	<0.5	8	3	71
5286	410	<1	15	<10	90.5	436	<0.5	30	<1	365
5287	1230	<1	5	<10	59.7	26	<0.5	13	<1	131
5288	990	<1	18	<10	139	86	<0.5	39	<1	523
5289	790	<1	11	<10	128	590	<0.5	25	<1	299
5290	1660	<1	13	<10	76.8	53	<0.5	28	<1	381
5291	650	<1	2	<10	37.2	313	<0.5	5	<1	35
5292	250	<1	<1	<10	15.6	1030	<0.5	3	<1	18
5293	90	<1	<1	<10	11.7	850	<0.5	3	<1	14

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
5294	70	1	3	<10	28.1	4210	0.6	5	<1	95
5295	880	<1	5	<10	82.3	84	<0.5	26	<1	130
5296	120	<1	2	<10	36.6	2860	0.9	8	<1	36
5297	100	<1	1	<10	52.5	2990	0.9	6	1	40
5298	430	<1	11	<10	86.2	315	1.0	11	<1	277
5299	570	<1	1	<10	16.5	42	<0.5	2	<1	35
5300	1030	<1	14	<10	118	102	0.5	28	<1	454
5301	340	<1	29	<10	103	1020	1.4	32	2	874
5302	210	<1	9	<10	80.4	676	1.1	10	<1	202
5303	610	<1	4	<10	36.9	136	0.8	29	<1	92
5304	840	<1	3	<10	57.5	135	<0.5	10	<1	79
5305	1170	<1	3	<10	44.9	166	0.6	29	<1	82
5306	670	<1	10	<10	66.4	415	0.6	18	<1	344
5307	600	<1	8	<10	88.0	806	0.6	14	<1	207
5308	540	<1	13	<10	77.9	212	<0.5	28	<1	406
5309	840	<1	14	<10	41.6	24	<0.5	26	<1	709
5310	920	<1	3	<10	35.2	30	<0.5	17	<1	83
5311	750	<1	13	<10	88.4	103	<0.5	23	<1	364
5312	360	<1	4	<10	40.2	22	0.5	67	<1	101
5313	480	<1	2	<10	16.6	5	<0.5	13	<1	54
5314	330	<1	2	<10	18.8	15	<0.5	27	<1	49
5315	900	<1	6	<10	137	97	<0.5	20	<1	163
5316	70	<1	5	<10	81.2	1940	0.7	10	<1	103
5317	670	<1	4	<10	54.3	181	0.5	40	<1	90
5318	1150	<1	3	<10	32.4	40	<0.5	13	<1	67
5319	340	<1	23	<10	41.6	2110	0.7	11	1	557
5320	640	<1	15	<10	125	1400	0.7	24	1	408
5321	890	<1	7	<10	64.1	93	0.6	59	<1	208
5322	980	<1	3	<10	24.9	6	<0.5	34	<1	69
5323	760	<1	4	<10	83.6	69	<0.5	36	<1	87
5324	240	1	6	<10	58.0	4440	0.7	8	1	154
5325	220	2	16	<10	170	4120	0.7	21	2	320
5326	130	<1	2	<10	31.2	1010	1.0	5	<1	103
5327	550	<1	4	<10	47.5	30	0.9	97	<1	123
5328	460	<1	1	<10	22.2	123	0.6	11	<1	30
5329	770	<1	4	<10	83.3	289	<0.5	11	2	100
5330	540	<1	10	<10	97.9	200	<0.5	25	<1	273
5331	1150	<1	<1	<10	9.6	6	<0.5	3	6	17
5332	400	<1	3	<10	63.6	306	0.6	13	<1	47
5333	810	<1	5	<10	159	188	0.7	33	2	103
5334	920	<1	7	<10	32.2	49	<0.5	14	<1	222
5335	640	<1	1	<10	16.5	39	<0.5	7	<1	36
5336	580	<1	7	<10	79.2	257	1.1	65	<1	200

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
5337	610	<1	3	<10	34.2	16	<0.5	79	<1	88
5338	420	<1	1	<10	19.3	126	<0.5	11	<1	30
5339	850	<1	11	<10	26.4	8	0.6	31	<1	398
*Rep 5260	840	<1	9	<10	50.5	214	<0.5	36	<1	335
*Rep 5273	1090	<1	2	<10	21.0	61	<0.5	12	<1	55
*Rep 5280	1250	<1	13	<10	85.9	74	0.5	23	<1	437
*Rep 5302	190	<1	9	<10	77.6	770	1.1	10	<1	227
*Rep 5311	710	<1	13	<10	89.4	116	<0.5	25	<1	379
*Rep 5324	310	1	5	<10	59.4	4370	0.7	8	1	160
*Rep 5336	440	<1	7	<10	79.4	499	0.8	70	1	165
*Std MMISRM16	500	<1	<1	<10	18.8	5	<0.5	52	<1	9
*Std AMIS0169	90	<1	8	<10	97.3	451	1.3	33	2	144
*Std MMISRM18	1160	<1	<1	<10	17.3	8	<0.5	29	<1	21
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	0.6	<3	<0.5	<1	<1	<5

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Final : TO111769 Order: EXPL-007

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
5251	3	40	38
5252	63	110	211
5253	10	150	101
5254	28	530	69
5255	4	40	10
5256	29	1960	116
5257	8	50	69
5258	7	220	127
5259	13	1020	26
5260	39	360	62
5261	19	150	21
5262	5	30	23
5263	11	90	72
5264	16	700	33
5265	15	30	63
5266	<1	20	<5
5267	12	160	66
5268	6	240	40
5269	6	130	27
5270	5	60	23
5271	18	460	94
5272	3	50	17
5273	5	90	10
5274	5	100	20
5275	13	260	51
5276	4	300	40
5277	14	<20	36
5278	43	630	32
5279	14	510	8
5280	45	320	80
5281	19	630	52
5282	4	<20	20
5283	5	<20	20
5284	9	70	63
5285	8	30	25
5286	31	860	85
5287	17	150	32
5288	50	390	104
5289	27	410	119
5290	48	320	34
5291	3	40	34
5292	3	1690	27
5293	3	1260	23

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Final : TO111769 Order: EXPL-007

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
5294	9	140	74
5295	12	40	46
5296	4	110	69
5297	8	170	96
5298	22	330	79
5299	4	40	31
5300	56	190	117
5301	90	530	121
5302	17	200	93
5303	10	30	52
5304	10	120	61
5305	11	50	34
5306	30	900	73
5307	19	170	92
5308	36	110	79
5309	67	220	25
5310	9	40	33
5311	42	220	92
5312	7	<20	28
5313	5	<20	18
5314	4	<20	13
5315	17	260	80
5316	9	40	99
5317	9	20	61
5318	8	230	23
5319	34	50	60
5320	33	350	138
5321	23	580	55
5322	7	<20	11
5323	12	100	54
5324	11	230	112
5325	25	320	171
5326	21	410	42
5327	12	190	41
5328	3	30	44
5329	11	20	111
5330	24	180	69
5331	2	20	7
5332	4	150	43
5333	11	100	88
5334	18	180	31
5335	3	40	21
5336	17	120	84

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
5337	8	80	19
5338	2	150	17
5339	27	30	20
*Rep 5260	32	430	50
*Rep 5273	5	110	14
*Rep 5280	51	670	88
*Rep 5302	19	380	90
*Rep 5311	44	340	93
*Rep 5324	12	150	109
*Rep 5336	14	90	78
*Std MMISRM16	<1	220	16
*Std AMIS0169	12	270	58
*Std MMISRM18	<1	650	23
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111762

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 18, 2010

P.O. No. : EXPL-007
Project No. : -
No. Of Samples : 75
Date Submitted : Sep 03, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4951	1	>300	10	0.3	450	<1	<10	5	442	9
4952	1	128	<10	0.1	410	<1	<10	11	206	35
4953	2	35	<10	0.4	1600	<1	310	2	38	11
4954	7	116	<10	<0.1	340	<1	190	10	290	82
4955	5	160	30	0.1	1470	3	150	10	2150	59
4956	6	135	30	<0.1	760	1	230	4	899	36
4957	4	152	20	<0.1	700	2	210	3	882	20
4958	4	23	20	0.2	1900	<1	290	1	347	19
4959	6	182	10	0.3	2420	<1	160	12	1110	71
4960	2	198	10	0.1	1570	<1	140	13	599	52
4961	2	>300	20	<0.1	2040	1	30	6	465	47
4962	1	259	20	0.1	1800	<1	<10	10	403	43
4963	10	199	<10	<0.1	1360	<1	80	7	771	11
4964	4	23	<10	0.3	1750	<1	290	<1	59	7
4965	2	103	<10	<0.1	580	<1	<10	14	131	18
4966	1	260	<10	<0.1	1940	<1	<10	6	182	28
4967	6	206	<10	<0.1	1770	<1	30	24	196	94
4968	2	200	10	<0.1	1110	<1	90	6	822	29
4969	2	213	<10	<0.1	1290	<1	<10	9	96	36
4970	2	129	<10	0.2	1360	<1	200	3	169	48
4971	7	32	<10	0.1	1160	<1	290	4	8	30
4972	4	43	<10	0.2	1910	<1	360	2	53	41
4973	16	70	<10	0.2	1550	<1	350	17	122	115
4974	3	42	<10	0.2	1300	<1	310	5	36	16
4975	6	21	<10	0.1	1180	<1	240	6	23	85
4976	4	276	20	<0.1	1110	<1	<10	14	94	47
4977	6	244	<10	<0.1	1110	<1	<10	13	64	24
4978	4	292	20	<0.1	1210	<1	<10	19	214	23
4979	6	296	20	<0.1	570	<1	<10	6	127	16
4980	6	258	<10	<0.1	930	<1	<10	2	74	27
4981	5	274	20	<0.1	1530	1	20	6	111	39
4982	17	47	10	0.3	2420	<1	260	6	332	64
4983	12	15	<10	0.2	2220	<1	180	7	104	290
4984	8	17	<10	0.2	3150	<1	200	10	74	110
4985	6	19	20	0.1	2610	<1	190	3	148	40
4986	6	12	30	0.1	1920	<1	180	5	169	27
4987	6	9	20	0.2	1950	<1	160	5	91	24
4988	8	26	20	0.2	2300	<1	250	6	192	39
4989	9	14	20	0.2	2760	<1	180	7	78	39
4990	9	18	10	0.2	3070	<1	210	4	150	42
4991	11	13	<10	0.2	2860	<1	180	5	120	60
4992	7	13	20	1.0	2560	<1	210	4	188	52
4993	4	12	30	0.2	2280	<1	190	2	138	14

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
4994	8	12	<10	0.2	2250	<1	220	3	181	38
4995	4	35	<10	0.2	1870	<1	240	4	1040	135
4996	7	77	30	0.3	1590	<1	260	5	1010	92
4997	11	21	20	0.2	1830	<1	240	5	154	47
4998	7	30	<10	0.2	2200	<1	300	3	1000	110
4999	4	>300	20	0.1	1440	1	20	17	132	41
5000	2	110	<10	0.1	990	<1	150	3	296	47
5001	6	34	10	0.2	1740	<1	250	5	200	29
5002	5	50	<10	0.3	2660	<1	280	4	378	36
5003	3	14	20	0.1	1990	<1	230	2	314	21
5004	3	40	10	0.1	680	<1	400	2	249	31
5005	10	19	<10	0.2	2690	<1	230	4	114	41
5006	5	11	<10	0.2	1330	<1	230	5	18	271
5007	2	6	<10	0.5	1370	<1	170	3	9	68
5008	7	10	<10	0.8	1060	<1	220	16	6	88
5009	2	7	<10	0.3	1430	<1	160	3	7	109
5010	3	11	<10	0.2	1510	<1	220	3	7	42
5011	6	10	<10	0.3	1250	<1	260	8	14	44
5012	4	7	<10	0.2	1160	<1	180	3	34	20
5013	6	18	<10	0.3	1820	<1	240	5	19	53
5014	6	19	<10	0.1	1690	<1	350	5	<5	12
5015	6	28	<10	0.2	2020	<1	280	5	179	26
5016	4	102	<10	0.1	1020	<1	310	19	70	14
5017	5	17	<10	0.2	1440	<1	230	6	28	65
5018	4	12	<10	0.1	1750	<1	220	4	46	71
5019	4	30	<10	0.2	1720	<1	270	3	75	23
5020	12	15	<10	0.1	1730	<1	210	9	49	105
5021	4	16	<10	0.3	1380	<1	190	6	43	101
5022	7	46	<10	0.6	1440	<1	270	9	152	138
5023	6	58	<10	<0.1	1110	<1	340	13	78	34
5024	3	68	<10	<0.1	800	<1	370	18	81	130
5025	5	78	<10	0.1	990	<1	310	12	62	16
*Rep 4963	8	173	20	0.1	2330	<1	180	4	983	15
*Rep 4976	3	257	20	<0.1	1020	<1	<10	15	85	46
*Rep 4986	5	9	20	0.1	1970	<1	160	4	143	21
*Rep 4991	10	15	20	0.3	2750	<1	180	5	123	60
*Rep 5006	4	7	<10	0.1	1110	<1	160	3	9	68
*Rep 5019	7	49	<10	0.1	1560	<1	340	7	67	57
*Std MMISRM16	19	43	10	25.9	50	<1	160	4	13	68
*Std AMISO169	9	63	10	0.4	880	<1	40	2	829	127
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4951	200	7.7	50	23	9.6	9.9	103	71	31	1
4952	<100	7.9	390	46	21.1	15.3	11	7	58	<1
4953	<100	0.6	1460	27	18.4	6.0	8	<1	31	6
4954	<100	2.3	860	19	10.1	5.7	131	6	23	<1
4955	400	5.2	870	90	42.3	33.9	101	34	125	<1
4956	300	5.8	1100	34	15.9	13.8	44	12	50	<1
4957	300	6.0	910	30	13.7	12.4	29	12	45	<1
4958	<100	2.5	2420	19	9.3	7.8	29	3	31	<1
4959	200	2.0	760	161	99.2	35.8	125	11	159	<1
4960	100	4.3	310	47	22.2	13.6	110	16	57	<1
4961	200	6.7	360	40	17.8	10.9	160	44	43	1
4962	100	8.5	290	47	22.7	11.8	103	24	48	<1
4963	100	3.7	1110	155	85.0	30.1	186	14	136	<1
4964	<100	0.6	790	36	16.9	12.9	6	1	57	2
4965	<100	6.4	130	29	13.9	12.0	13	8	42	<1
4966	<100	9.4	220	27	12.3	6.1	54	10	24	<1
4967	<100	6.7	410	67	51.9	7.5	233	13	35	<1
4968	100	5.3	190	48	22.5	19.2	91	22	70	<1
4969	<100	5.7	120	16	9.1	3.4	79	23	13	<1
4970	<100	4.4	350	13	5.7	4.5	28	6	17	<1
4971	<100	<0.5	500	7	4.0	2.1	7	<1	10	1
4972	<100	<0.5	2090	35	23.6	7.8	9	2	42	8
4973	<100	<0.5	5120	14	9.6	3.8	19	2	18	<1
4974	<100	0.7	320	8	3.8	2.7	12	<1	12	<1
4975	<100	<0.5	1130	7	4.4	1.8	5	<1	9	1
4976	<100	5.0	90	9	6.3	3.0	136	56	9	<1
4977	<100	8.3	80	9	6.0	1.9	80	17	6	<1
4978	100	4.3	90	22	13.7	4.6	118	57	22	<1
4979	100	6.7	180	10	5.1	3.2	103	21	11	<1
4980	200	7.3	120	6	3.3	1.5	232	17	5	1
4981	200	5.4	100	9	5.1	2.3	172	37	8	2
4982	100	3.6	5300	22	12.0	7.3	40	6	31	<1
4983	<100	1.5	7160	11	7.7	3.0	41	2	14	<1
4984	<100	1.6	7220	10	7.8	2.4	52	3	11	<1
4985	<100	1.1	4540	12	7.3	3.9	41	2	16	<1
4986	<100	2.0	3300	12	6.5	4.0	33	2	17	<1
4987	<100	1.3	3630	7	3.9	2.5	34	1	10	<1
4988	<100	2.3	5660	14	8.6	4.5	48	3	20	<1
4989	<100	1.1	6750	12	8.0	2.9	33	2	15	<1
4990	<100	1.0	7140	16	10.1	4.3	47	3	20	<1
4991	<100	0.7	6310	12	7.8	3.6	43	2	17	<1
4992	<100	1.2	3080	14	8.2	4.5	41	2	20	<1
4993	<100	1.8	2630	11	6.0	4.0	33	1	15	<1

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4994	<100	0.6	4230	15	8.5	4.7	45	2	20	<1
4995	<100	1.0	2200	28	14.8	11.2	79	6	41	<1
4996	100	0.8	1320	35	18.5	13.6	89	9	50	<1
4997	<100	1.0	3190	12	6.6	3.8	57	3	16	<1
4998	100	1.9	3880	28	14.5	11.3	71	6	42	<1
4999	<100	2.2	610	10	5.3	2.7	112	32	10	<1
5000	<100	3.9	110	12	5.5	4.9	46	17	18	<1
5001	<100	1.1	5580	17	10.3	5.0	39	5	22	<1
5002	200	2.0	3230	22	10.5	7.9	33	4	30	<1
5003	<100	<0.5	2190	13	6.5	5.6	28	3	22	<1
5004	<100	1.2	2120	9	5.0	4.0	76	3	15	<1
5005	<100	0.9	5030	14	8.6	3.8	27	3	17	<1
5006	<100	<0.5	1150	5	2.4	1.1	2	<1	6	<1
5007	<100	0.7	860	3	1.7	0.9	1	<1	4	<1
5008	<100	1.1	4510	5	2.3	1.6	2	<1	8	<1
5009	<100	<0.5	500	2	0.9	0.7	1	<1	3	<1
5010	<100	<0.5	810	5	2.6	1.4	5	<1	7	<1
5011	<100	0.6	1610	5	2.8	1.5	2	<1	7	1
5012	<100	<0.5	790	5	2.3	2.5	3	<1	9	<1
5013	<100	<0.5	760	8	4.7	2.2	5	<1	10	2
5014	<100	0.6	420	3	1.5	0.9	6	<1	4	<1
5015	<100	<0.5	880	11	5.6	4.4	16	2	17	<1
5016	<100	4.9	260	11	6.2	2.3	14	1	11	<1
5017	<100	<0.5	930	7	4.1	2.0	4	<1	9	<1
5018	<100	<0.5	640	7	3.6	2.4	5	<1	10	<1
5019	<100	0.9	220	7	3.5	2.3	8	<1	10	<1
5020	<100	<0.5	1230	8	4.7	2.4	7	<1	11	<1
5021	<100	<0.5	620	5	2.6	1.4	5	<1	7	<1
5022	<100	<0.5	850	10	5.0	3.2	16	2	13	<1
5023	<100	3.1	370	6	2.6	2.2	15	<1	8	<1
5024	<100	2.9	430	4	2.1	1.4	23	1	5	<1
5025	<100	1.4	360	5	2.7	2.0	12	<1	8	<1
*Rep 4963	200	2.5	980	106	52.7	31.6	160	19	132	<1
*Rep 4976	<100	4.9	90	10	6.4	2.8	118	53	8	<1
*Rep 4986	<100	1.9	2870	10	5.5	3.3	29	1	14	<1
*Rep 4991	<100	0.7	6030	13	8.1	3.6	41	2	17	<1
*Rep 5006	<100	<0.5	560	3	1.4	0.9	1	<1	4	<1
*Rep 5019	<100	1.0	360	7	4.1	2.2	10	<1	9	<1
*Std MMISRM16	<100	12.2	700	2	0.9	0.9	2	<1	4	24
*Std AMISO169	<100	8.4	4540	30	12.8	11.5	42	15	45	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4951	<0.5	3.8	212	<5	<1	50	<5	13.5	188	23
4952	<0.5	14.5	88	<5	<1	460	<5	1.0	231	49
4953	<0.5	17.7	34	<5	122	170	<5	1.0	86	44
4954	<0.5	4.7	136	<5	24	1690	19	3.9	150	160
4955	<0.5	5.5	1020	7	18	680	9	33.4	945	127
4956	<0.5	5.8	391	6	30	1770	9	15.0	374	98
4957	<0.5	6.2	406	8	20	810	7	14.7	348	72
4958	<0.5	16.6	125	<5	82	1590	15	4.1	187	109
4959	<0.5	16.1	715	5	65	5440	<5	4.7	779	166
4960	<0.5	19.5	229	<5	32	990	<5	10.9	285	152
4961	<0.5	18.2	153	15	15	1080	<5	24.9	207	145
4962	<0.5	22.7	131	9	5	520	<5	19.0	202	83
4963	<0.5	4.5	363	<5	23	270	<5	8.9	545	250
4964	<0.5	13.6	115	<5	87	110	<5	<0.5	209	35
4965	<0.5	14.2	84	<5	<1	300	<5	<0.5	202	28
4966	<0.5	15.3	66	6	2	280	<5	8.1	92	50
4967	<0.5	5.9	89	6	6	780	<5	4.0	128	526
4968	<0.5	10.0	304	<5	10	900	<5	9.6	394	96
4969	<0.5	17.6	36	<5	5	580	<5	7.7	51	63
4970	<0.5	13.0	66	<5	19	180	<5	5.4	84	24
4971	<0.5	17.3	11	14	80	1400	<5	<0.5	30	69
4972	<0.5	14.0	64	<5	114	820	<5	0.6	138	57
4973	<0.5	25.0	54	13	94	2990	13	1.0	81	153
4974	<0.5	11.7	32	<5	74	490	<5	0.7	57	55
4975	<0.5	27.1	11	56	106	8200	13	<0.5	25	137
4976	<0.5	12.2	45	<5	1	1370	<5	10.6	43	51
4977	<0.5	12.7	22	<5	<1	660	<5	3.9	27	50
4978	<0.5	14.4	91	<5	1	370	<5	11.7	112	41
4979	<0.5	15.8	49	<5	<1	140	<5	6.3	55	62
4980	<0.5	20.6	32	<5	3	40	<5	8.7	27	127
4981	<0.5	20.2	44	15	6	250	<5	17.1	41	96
4982	<0.5	12.6	128	23	65	2360	49	4.8	187	267
4983	<0.5	22.3	39	23	48	5710	47	1.0	65	695
4984	<0.5	30.6	28	30	57	3870	46	1.3	47	478
4985	<0.5	20.5	53	14	44	4180	57	0.9	91	104
4986	<0.5	6.7	68	8	37	2810	43	2.5	101	87
4987	<0.5	12.4	35	11	27	2150	30	0.8	58	104
4988	<0.5	19.9	74	21	33	2210	134	1.6	113	112
4989	<0.5	43.8	28	41	64	2870	59	1.0	52	86
4990	<0.5	37.9	53	41	49	2790	57	1.3	95	73
4991	<0.5	48.1	41	53	36	2550	53	0.8	78	141
4992	<0.5	13.8	68	7	37	2830	16	1.5	109	69
4993	<0.5	10.8	54	<5	38	1680	27	2.0	85	41

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4994	<0.5	31.1	61	25	69	3630	6	1.7	108	137
4995	<0.5	14.9	281	<5	44	6040	<5	5.2	350	66
4996	<0.5	11.5	441	5	33	7750	19	9.4	430	119
4997	<0.5	12.3	67	11	58	2620	<5	4.3	79	55
4998	<0.5	14.2	369	7	42	2100	26	3.7	366	88
4999	<0.5	14.3	56	<5	4	460	<5	7.8	48	121
5000	<0.5	8.8	143	<5	20	1600	<5	9.9	139	53
5001	<0.5	24.3	77	22	61	3330	76	4.1	120	131
5002	<0.5	19.0	153	14	57	1730	7	10.8	185	98
5003	<0.5	14.8	133	8	52	1740	33	5.5	162	103
5004	<0.5	24.5	112	39	60	2330	68	3.6	129	168
5005	<0.5	45.7	41	38	70	1840	68	1.8	75	136
5006	<0.5	18.2	7	38	81	3030	18	<0.5	15	149
5007	<0.5	13.3	4	22	70	1550	<5	<0.5	11	77
5008	<0.5	11.4	8	20	68	1250	16	<0.5	21	414
5009	<0.5	14.0	3	24	69	4080	<5	<0.5	7	160
5010	<0.5	12.1	9	24	64	1740	<5	<0.5	21	74
5011	<0.5	14.6	11	27	102	2490	<5	<0.5	19	161
5012	<0.5	11.0	19	18	43	730	<5	<0.5	42	109
5013	<0.5	24.7	15	34	89	2700	6	<0.5	31	104
5014	<0.5	18.2	3	34	98	460	<5	<0.5	8	101
5015	<0.5	14.7	84	6	61	1200	<5	1.9	105	122
5016	<0.5	18.3	43	<5	62	580	<5	<0.5	51	158
5017	<0.5	16.4	12	11	79	3080	6	<0.5	26	61
5018	<0.5	13.2	16	12	59	1380	<5	<0.5	36	42
5019	<0.5	12.5	27	<5	62	860	<5	0.7	47	45
5020	<0.5	21.8	18	37	84	1170	8	<0.5	34	152
5021	<0.5	14.6	12	23	60	10500	<5	<0.5	23	68
5022	<0.5	13.5	55	<5	65	8090	<5	1.1	80	112
5023	<0.5	14.8	35	6	69	950	<5	<0.5	53	110
5024	<0.5	9.0	22	5	74	3380	<5	<0.5	35	137
5025	<0.5	15.6	34	7	53	850	<5	<0.5	47	161
*Rep 4963	<0.5	5.6	653	6	36	630	<5	18.5	730	174
*Rep 4976	<0.5	12.0	41	<5	1	1330	<5	9.3	41	49
*Rep 4986	<0.5	5.9	59	7	31	2620	32	2.1	86	56
*Rep 4991	<0.5	47.3	41	55	38	2930	73	1.0	79	158
*Rep 5006	<0.5	16.4	3	39	69	2410	7	<0.5	9	85
*Rep 5019	<0.5	14.7	25	6	75	2310	<5	<0.5	45	87
*Std MMISRM16	<0.5	35.2	3	<5	28	90	49	<0.5	12	288
*Std AMISO169	<0.5	39.5	413	<5	32	3770	<5	3.4	394	516
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4951	5.8	160	<1	50	<1	68	<1	53	38	2
4952	0.2	300	<1	45	<1	246	<1	56	59	<1
4953	0.1	20	<1	16	<1	77	<1	23	23	<1
4954	0.9	210	<1	38	<1	33	<1	26	27	<1
4955	4.2	410	<1	268	<1	84	<1	104	156	2
4956	2.8	270	<1	102	<1	63	<1	43	62	<1
4957	2.1	260	<1	98	<1	82	<1	43	58	1
4958	0.7	260	<1	43	<1	147	1	15	36	<1
4959	0.6	360	<1	197	<1	228	<1	150	156	<1
4960	1.5	220	<1	69	<1	374	<1	54	60	<1
4961	3.8	240	<1	48	<1	316	<1	68	45	3
4962	1.7	460	<1	43	<1	284	<1	69	47	1
4963	4.2	330	<1	123	<1	122	<1	167	122	<1
4964	0.2	10	<1	42	<1	68	<1	17	50	<1
4965	0.1	400	<1	39	<1	244	<1	39	46	<1
4966	1.1	340	<1	21	<1	333	<1	47	24	<1
4967	2.0	300	<1	29	<1	143	<1	52	30	<1
4968	1.0	230	<1	95	<1	157	<1	60	82	<1
4969	0.8	330	<1	11	<1	235	<1	38	13	<1
4970	0.3	60	<1	20	<1	224	<1	26	19	<1
4971	0.1	20	<1	6	<1	56	<1	7	8	<1
4972	0.1	30	<1	27	<1	65	<1	26	33	<1
4973	0.2	320	<1	18	<1	46	2	9	16	<1
4974	0.2	20	<1	13	<1	75	<1	6	13	<1
4975	<0.1	40	<1	5	<1	19	<1	<5	7	<1
4976	6.0	390	<1	11	<1	370	2	41	9	<1
4977	2.9	340	<1	6	<1	296	1	35	6	<1
4978	3.2	310	<1	27	<1	206	<1	52	25	2
4979	2.0	160	<1	14	<1	263	2	38	12	<1
4980	3.1	70	<1	7	<1	273	<1	25	6	<1
4981	4.1	570	<1	10	<1	145	<1	38	9	2
4982	0.5	590	<1	44	<1	114	2	25	35	<1
4983	<0.1	490	<1	14	<1	85	3	8	13	<1
4984	<0.1	920	<1	10	<1	71	3	11	10	<1
4985	0.2	510	<1	20	<1	58	2	6	18	<1
4986	0.2	340	<1	23	<1	84	2	5	19	<1
4987	<0.1	330	<1	13	<1	50	2	<5	11	<1
4988	0.2	660	<1	26	<1	106	2	10	21	<1
4989	0.1	790	<1	11	<1	50	3	8	12	<1
4990	0.1	670	<1	20	<1	54	3	10	20	<1
4991	0.1	590	<1	16	<1	50	2	8	16	<1
4992	0.2	390	<1	24	<1	122	1	6	21	<1
4993	0.2	320	<1	19	<1	79	1	<5	17	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4994	0.1	510	<1	24	<1	55	1	7	22	<1
4995	0.4	280	<1	91	<1	199	<1	25	56	<1
4996	1.1	400	<1	114	<1	73	<1	36	66	<1
4997	0.3	140	<1	19	<1	84	<1	9	16	<1
4998	0.2	210	<1	98	<1	199	1	21	55	<1
4999	5.2	200	<1	13	<1	126	<1	28	10	2
5000	1.7	60	<1	36	<1	124	<1	15	24	<1
5001	0.3	510	<1	27	<1	88	3	16	23	<1
5002	0.9	460	<1	46	<1	161	3	24	35	<1
5003	0.5	190	<1	39	<1	77	1	8	27	<1
5004	0.6	120	<1	32	<1	110	1	13	19	<1
5005	0.2	660	<1	16	<1	109	1	11	17	<1
5006	<0.1	90	<1	3	<1	123	1	<5	4	<1
5007	<0.1	40	<1	2	<1	223	<1	<5	4	<1
5008	0.3	20	<1	3	<1	248	<1	<5	6	<1
5009	<0.1	40	<1	1	<1	208	<1	<5	2	<1
5010	<0.1	20	<1	4	<1	163	<1	<5	6	<1
5011	<0.1	30	<1	4	<1	116	<1	<5	5	<1
5012	0.1	10	<1	8	<1	82	<1	<5	10	<1
5013	<0.1	30	<1	6	<1	84	<1	<5	8	<1
5014	<0.1	<10	<1	1	<1	151	<1	<5	3	<1
5015	0.2	30	<1	25	<1	75	<1	6	21	<1
5016	<0.1	60	<1	13	<1	173	<1	10	11	<1
5017	<0.1	40	<1	5	<1	41	<1	<5	7	<1
5018	<0.1	50	<1	7	<1	55	<1	<5	9	<1
5019	0.2	10	<1	10	<1	148	<1	6	11	<1
5020	0.2	140	<1	7	<1	56	<1	<5	10	<1
5021	<0.1	30	<1	5	<1	20	<1	<5	6	<1
5022	0.2	40	<1	19	<1	51	<1	8	15	<1
5023	0.1	30	<1	12	<1	229	<1	<5	10	<1
5024	<0.1	50	<1	8	<1	158	<1	<5	7	<1
5025	0.1	30	<1	12	<1	163	<1	<5	9	<1
*Rep 4963	5.7	220	<1	182	<1	144	<1	171	143	<1
*Rep 4976	4.9	400	<1	10	<1	352	2	39	9	<1
*Rep 4986	0.2	260	<1	20	<1	78	1	<5	16	<1
*Rep 4991	0.2	600	<1	17	<1	48	2	9	17	<1
*Rep 5006	<0.1	40	<1	2	<1	98	<1	<5	3	<1
*Rep 5019	0.1	20	<1	10	<1	166	<1	7	10	<1
*Std MMISRM16	0.3	80	29	2	<1	326	<1	8	4	<1
*Std AMISO169	2.9	110	<1	105	<1	253	<1	60	67	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	2	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4951	30	1	5	<10	24.9	2810	0.6	8	1	90
4952	<10	<1	9	<10	23.4	231	<0.5	11	<1	222
4953	1190	<1	4	<10	26.6	15	<0.5	26	<1	126
4954	180	<1	4	<10	30.0	357	<0.5	67	1	108
4955	210	2	20	<10	185	3890	<0.5	39	4	461
4956	170	<1	8	<10	111	1120	<0.5	25	1	156
4957	180	<1	7	<10	102	1020	<0.5	14	1	132
4958	540	<1	4	<10	61.7	253	<0.5	18	<1	98
4959	550	<1	27	<10	198	542	1.2	26	1	766
4960	280	<1	9	<10	93.4	2530	0.6	16	<1	218
4961	180	2	7	<10	112	6080	0.8	11	2	165
4962	90	1	8	<10	49.1	4970	1.0	10	1	226
4963	250	<1	25	<10	112	1150	1.0	58	2	736
4964	1040	<1	7	<10	29.9	33	<0.5	16	<1	177
4965	<10	<1	6	<10	9.5	125	<0.5	7	<1	156
4966	60	<1	5	<10	39.9	1990	0.7	10	<1	115
4967	220	<1	8	<10	38.6	669	0.9	12	<1	438
4968	160	<1	10	<10	67.1	2390	0.8	19	<1	225
4969	70	<1	2	<10	19.8	2100	<0.5	5	<1	90
4970	220	<1	3	<10	37.6	1280	0.5	5	<1	46
4971	1070	<1	1	<10	14.7	33	<0.5	27	<1	37
4972	1490	<1	6	<10	31.8	44	<0.5	19	<1	186
4973	1040	<1	3	<10	36.9	84	<0.5	195	<1	80
4974	1530	<1	2	<10	20.8	40	<0.5	19	<1	37
4975	2850	<1	1	<10	8.1	16	<0.5	28	<1	38
4976	40	<1	2	<10	17.3	2170	0.5	6	<1	50
4977	20	<1	1	<10	24.6	751	<0.5	5	<1	45
4978	30	<1	4	<10	35.1	2850	<0.5	6	<1	120
4979	30	<1	2	<10	21.1	1070	0.7	6	<1	43
4980	120	<1	<1	<10	23.3	1320	0.5	5	<1	23
4981	110	<1	2	<10	31.8	3650	0.7	7	<1	45
4982	1140	<1	5	<10	101	608	<0.5	44	2	120
4983	1150	<1	2	<10	34.5	165	0.7	52	<1	68
4984	1180	<1	2	<10	24.0	225	<0.5	58	<1	68
4985	2540	<1	2	<10	43.1	81	<0.5	31	1	71
4986	600	<1	2	<10	51.0	198	<0.5	22	<1	68
4987	660	<1	1	<10	31.5	57	<0.5	29	<1	43
4988	1060	<1	3	<10	53.8	193	<0.5	33	1	80
4989	2530	<1	2	<10	27.7	179	0.7	36	2	71
4990	2630	<1	3	<10	41.6	231	<0.5	35	1	98
4991	2420	<1	2	<10	41.3	121	<0.5	27	1	74
4992	2790	<1	3	<10	52.8	87	1.1	11	<1	82
4993	2070	<1	2	<10	37.3	126	0.7	11	<1	60

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4994	3380	<1	3	<10	60.3	97	<0.5	10	2	83
4995	1040	<1	6	<10	105	259	0.8	32	<1	150
4996	530	<1	8	<10	162	722	<0.5	58	1	178
4997	820	<1	2	<10	38.3	440	0.7	8	<1	66
4998	1250	<1	6	<10	111	139	1.0	18	1	155
4999	90	<1	2	<10	17.0	2210	0.5	4	<1	48
5000	200	<1	3	<10	50.4	1630	<0.5	12	<1	58
5001	1480	<1	3	<10	55.4	551	<0.5	73	2	95
5002	660	<1	5	<10	117	956	0.5	17	1	92
5003	1020	<1	3	<10	44.4	483	<0.5	10	<1	73
5004	2250	<1	2	<10	42.5	127	<0.5	123	2	53
5005	2180	<1	3	<10	36.5	245	<0.5	28	3	80
5006	500	<1	<1	<10	5.8	10	<0.5	99	<1	24
5007	380	<1	<1	<10	2.6	5	0.9	7	<1	19
5008	310	<1	<1	<10	4.0	11	1.3	22	<1	35
5009	330	<1	<1	<10	2.1	<3	0.9	15	<1	12
5010	390	<1	<1	<10	5.2	10	0.6	8	<1	29
5011	520	<1	<1	<10	6.2	15	0.8	5	<1	28
5012	290	<1	1	<10	5.0	14	<0.5	12	<1	31
5013	490	<1	1	<10	7.7	33	<0.5	15	<1	43
5014	550	<1	<1	<10	6.0	8	<0.5	31	<1	15
5015	480	<1	2	<10	30.0	223	<0.5	39	<1	58
5016	450	<1	2	<10	10.4	18	<0.5	81	<1	67
5017	520	<1	1	<10	9.5	24	<0.5	30	<1	39
5018	490	<1	1	<10	8.4	23	<0.5	4	<1	34
5019	600	<1	1	<10	24.9	38	<0.5	11	<1	31
5020	480	<1	2	<10	14.8	42	<0.5	34	<1	40
5021	420	<1	<1	<10	8.1	18	<0.5	8	<1	28
5022	520	<1	2	<10	39.7	51	<0.5	33	<1	49
5023	520	<1	1	<10	19.2	20	<0.5	49	<1	29
5024	500	<1	<1	<10	11.4	15	<0.5	82	<1	21
5025	440	<1	1	<10	26.0	26	<0.5	63	<1	29
*Rep 4963	410	1	21	<10	162	2360	1.0	50	3	532
*Rep 4976	30	<1	1	<10	15.1	1850	<0.5	5	<1	52
*Rep 4986	480	<1	2	<10	38.8	148	<0.5	22	<1	59
*Rep 4991	2440	<1	3	<10	43.8	149	<0.5	32	1	77
*Rep 5006	410	<1	<1	<10	2.7	8	<0.5	40	<1	17
*Rep 5019	640	<1	1	<10	28.8	27	<0.5	20	<1	33
*Std MMISRM16	430	<1	<1	<10	18.3	29	<0.5	51	<1	9
*Std AMISO169	80	<1	7	<10	77.8	438	1.2	27	2	132
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.6	5	<0.5	<1	<1	<5

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Final : TO111762 Order: EXPL-007

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4951	7	60	53
4952	15	120	33
4953	16	100	23
4954	8	80	38
4955	35	220	228
4956	13	90	124
4957	11	90	97
4958	8	30	79
4959	82	110	199
4960	16	720	112
4961	13	380	191
4962	16	480	108
4963	60	280	149
4964	13	50	30
4965	10	60	13
4966	9	190	70
4967	43	570	63
4968	17	50	69
4969	7	920	41
4970	4	20	46
4971	4	20	16
4972	22	120	31
4973	9	70	44
4974	3	230	19
4975	4	130	13
4976	6	360	43
4977	5	730	42
4978	12	330	47
4979	4	170	47
4980	3	40	47
4981	4	360	87
4982	11	40	112
4983	8	70	49
4984	8	80	39
4985	7	30	55
4986	6	30	78
4987	4	60	40
4988	8	30	53
4989	8	30	39
4990	10	40	48
4991	8	30	39
4992	7	20	83
4993	5	30	66

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4994	8	30	51
4995	14	30	91
4996	17	130	165
4997	6	30	86
4998	13	30	84
4999	4	350	32
5000	5	20	62
5001	10	30	94
5002	9	50	138
5003	5	20	82
5004	4	30	22
5005	8	30	49
5006	2	90	<5
5007	1	60	<5
5008	2	30	6
5009	<1	60	<5
5010	2	70	11
5011	2	70	7
5012	2	60	9
5013	4	80	17
5014	1	170	6
5015	4	20	49
5016	5	970	10
5017	4	110	18
5018	3	70	18
5019	3	120	27
5020	4	50	25
5021	2	60	17
5022	5	70	40
5023	2	1330	10
5024	2	950	6
5025	2	1080	16
*Rep 4963	41	440	247
*Rep 4976	5	350	36
*Rep 4986	5	40	70
*Rep 4991	8	30	40
*Rep 5006	1	60	<5
*Rep 5019	4	250	19
*Std MMISRM16	<1	260	15
*Std AMIS0169	10	250	56
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111759

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 20, 2010

P.O. No. : EXPL-007
Project No. : -
No. Of Samples : 75
Date Submitted : Sep 03, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4801	14	74	<10	0.2	2200	<1	360	7	468	56
4802	20	49	20	0.5	2670	<1	270	10	222	50
4803	6	71	20	0.2	1710	2	300	2	616	27
4804	10	17	<10	0.3	1410	<1	190	6	133	44
4805	10	6	<10	0.3	1740	<1	140	2	22	42
4806	4	13	<10	0.4	1210	<1	210	3	10	17
4807	10	24	<10	0.2	1430	<1	270	9	56	188
4808	9	22	<10	0.2	1290	<1	270	3	256	164
4809	15	28	<10	0.2	1750	<1	250	5	336	38
4810	6	23	<10	0.3	1760	<1	260	5	380	88
4811	6	9	<10	0.2	1630	<1	150	2	114	20
4812	11	23	<10	0.3	2160	<1	230	5	131	41
4813	6	12	30	0.2	1730	<1	190	5	148	33
4814	6	9	20	0.2	1500	<1	140	5	115	26
4815	6	32	10	0.2	1710	<1	270	3	343	38
4816	3	185	<10	<0.1	610	2	90	7	224	35
4817	5	39	<10	0.3	1210	<1	250	9	161	69
4818	6	11	<10	0.3	1440	<1	180	3	90	86
4819	9	21	<10	0.4	1910	<1	230	6	170	60
4820	8	27	20	0.4	2300	<1	250	4	294	46
4821	6	24	20	0.3	1900	<1	210	4	142	45
4822	7	22	10	0.4	2900	<1	190	5	169	48
4823	13	32	20	0.3	3080	<1	220	10	99	48
4824	17	19	<10	0.3	2660	<1	170	6	97	38
4825	15	24	10	0.2	1810	<1	270	7	136	87
4826	10	25	10	0.3	2190	<1	260	7	253	73
4827	10	124	<10	0.4	1500	1	290	5	451	70
4828	10	33	20	0.3	2460	<1	240	6	272	51
4829	8	95	<10	0.2	1260	<1	330	4	239	53
4830	10	111	<10	0.2	900	<1	300	7	462	36
4831	16	39	10	0.3	2280	<1	300	6	411	37
4832	11	34	<10	0.2	1650	<1	320	6	237	94
4833	15	28	10	0.3	2700	<1	220	5	128	79
4834	7	275	<10	<0.1	670	<1	<10	12	116	31
4835	3	287	30	<0.1	740	4	60	18	124	41
4836	6	259	<10	<0.1	930	<1	<10	4	129	19
4837	6	>300	30	0.2	1070	3	30	17	171	122
4838	5	>300	20	<0.1	1140	<1	<10	10	62	78
4839	3	>300	30	0.2	1590	2	30	24	157	163
4840	3	265	<10	<0.1	1650	<1	10	5	74	47
4841	5	277	<10	<0.1	1760	<1	10	11	451	59
4842	19	30	<10	0.5	1500	<1	340	6	27	7
4843	12	32	<10	0.3	1480	<1	300	7	41	23

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Element Method Det.Lim. Units	Ag MMI-M5	Al MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
4844	1	272	<10	<0.1	710	<1	20	26	109	163
4845	4	102	<10	0.7	1670	<1	340	9	536	33
4846	3	262	<10	<0.1	590	<1	<10	2	87	19
4847	1	>300	<10	<0.1	970	<1	<10	14	149	59
4848	1	232	<10	<0.1	370	<1	10	14	739	43
4849	<1	>300	40	<0.1	1550	1	<10	5	282	30
4850	4	80	<10	0.3	1710	<1	380	5	101	24
4851	5	17	<10	0.3	1010	<1	200	8	26	76
4852	4	18	<10	0.2	1000	<1	210	4	45	177
4853	11	36	<10	0.2	750	<1	330	13	97	35
4854	4	142	<10	0.1	530	<1	270	26	376	53
4855	12	15	<10	0.4	2450	<1	270	5	46	186
4856	10	18	10	0.4	1740	<1	170	5	180	31
4857	15	32	30	0.4	2870	<1	240	5	210	36
4858	9	23	10	0.4	2840	<1	220	4	172	55
4859	4	20	20	0.1	880	<1	230	3	223	38
4860	2	34	<10	0.3	910	<1	240	3	38	25
4861	6	29	<10	0.2	1390	<1	260	7	145	292
4862	13	35	20	0.2	1700	1	280	7	542	100
4863	12	100	<10	0.2	1930	1	300	11	930	68
4864	11	62	10	0.3	1750	1	280	9	1220	68
4865	18	69	20	0.3	2430	1	280	16	2030	174
4866	7	125	20	0.1	2070	2	190	24	990	145
4867	6	46	<10	0.2	1800	<1	210	11	687	345
4868	10	13	<10	0.5	1150	<1	210	4	70	178
4869	9	98	<10	0.2	1240	<1	270	7	680	176
4870	3	154	20	0.5	2930	2	140	7	1350	522
4871	1	137	40	0.4	2910	3	120	5	2470	478
4872	1	240	<10	0.1	1590	<1	<10	4	270	90
4873	3	223	<10	0.3	1700	<1	10	10	370	103
4874	4	234	10	0.1	540	<1	20	30	95	54
4875	3	>300	30	0.1	1160	<1	30	16	157	42
*Rep 4802	15	32	20	0.3	2880	<1	270	7	209	42
*Rep 4816	4	133	<10	0.1	940	1	180	10	312	57
*Rep 4837	6	>300	30	<0.1	1190	3	30	14	204	108
*Rep 4845	3	69	<10	0.5	1630	<1	390	8	507	22
*Rep 4853	13	44	<10	0.2	870	<1	350	25	168	106
*Rep 4869	12	95	<10	0.5	1580	<1	350	8	524	166
*Std MMISRM16	19	46	20	28.0	60	<1	160	5	16	72
*Std AMIS0169	10	76	20	4.0	660	<1	40	2	842	155
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4801	100	3.0	4360	25	14.6	8.2	45	8	34	<1
4802	<100	3.6	8450	24	15.3	6.5	56	11	31	<1
4803	200	4.4	2160	20	9.2	9.2	48	7	30	<1
4804	<100	<0.5	4680	12	7.4	3.6	38	2	17	<1
4805	<100	<0.5	1330	5	2.5	1.5	7	<1	7	<1
4806	<100	<0.5	1040	9	5.1	2.1	3	<1	10	3
4807	<100	0.6	1370	8	5.3	2.1	12	2	9	<1
4808	<100	<0.5	2400	15	8.4	5.5	47	3	22	<1
4809	<100	2.0	4620	27	16.1	8.5	63	7	37	<1
4810	<100	1.1	6590	28	17.0	8.6	72	6	38	<1
4811	<100	1.4	3300	9	5.0	3.0	32	1	13	<1
4812	<100	1.4	5750	16	9.8	4.5	33	4	21	<1
4813	<100	1.8	4280	12	7.0	3.9	34	2	18	<1
4814	<100	1.0	3640	9	5.6	3.2	30	2	14	<1
4815	<100	4.5	4210	17	9.2	6.5	47	4	26	<1
4816	<100	3.6	1860	29	20.5	5.0	142	9	22	<1
4817	<100	<0.5	1300	17	9.6	5.2	10	2	24	<1
4818	<100	<0.5	730	5	3.0	1.8	9	1	8	1
4819	<100	1.2	6020	18	10.4	5.1	39	4	24	<1
4820	<100	2.0	6890	25	14.6	7.7	48	6	33	<1
4821	<100	2.1	6860	16	10.4	4.2	47	5	21	<1
4822	<100	1.7	6940	19	11.6	5.4	41	6	25	<1
4823	<100	3.3	8380	14	10.2	3.5	50	8	16	<1
4824	<100	1.8	8280	12	8.1	3.1	47	3	15	<1
4825	<100	1.1	2480	12	7.4	3.5	37	4	16	<1
4826	<100	1.5	5390	23	13.5	7.4	39	5	30	<1
4827	100	5.1	3740	37	24.2	9.0	81	8	38	<1
4828	<100	2.4	7420	22	13.2	6.7	47	7	29	<1
4829	<100	2.2	4690	17	11.4	4.8	23	4	20	<1
4830	<100	7.7	2800	17	8.7	6.7	30	6	24	<1
4831	<100	1.7	4770	20	11.9	6.8	62	7	28	<1
4832	<100	0.8	4290	12	7.3	4.1	49	4	16	<1
4833	<100	1.8	5560	14	9.2	3.9	47	6	18	<1
4834	100	5.0	270	12	6.9	3.3	117	18	12	<1
4835	500	2.8	260	11	6.0	2.9	194	70	11	<1
4836	100	4.5	220	24	12.6	4.5	68	39	19	<1
4837	300	6.7	220	15	7.9	3.8	172	59	14	1
4838	100	3.2	120	6	4.7	1.3	173	31	4	<1
4839	100	3.1	130	15	9.1	3.8	222	43	14	1
4840	100	3.3	100	6	4.4	1.7	130	23	5	<1
4841	100	6.8	220	46	25.5	9.3	138	18	37	<1
4842	<100	1.0	410	7	3.4	2.3	7	<1	10	1
4843	<100	0.6	930	21	12.5	5.3	9	2	26	4

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4844	<100	6.1	190	11	6.5	2.4	111	15	9	<1
4845	100	1.1	1430	127	82.9	32.0	12	7	146	6
4846	<100	5.1	140	5	2.5	1.7	186	19	5	1
4847	200	9.2	170	12	6.2	2.9	142	16	11	1
4848	200	5.5	290	57	29.2	21.0	95	34	77	<1
4849	400	4.9	150	13	5.7	4.6	200	109	15	<1
4850	100	0.7	960	25	17.1	6.4	9	2	28	6
4851	<100	<0.5	960	7	4.3	1.9	5	1	10	1
4852	<100	0.6	990	6	3.7	1.8	10	1	8	<1
4853	<100	0.7	1050	11	6.0	3.5	10	1	16	<1
4854	100	4.8	620	28	14.8	8.5	75	8	33	<1
4855	<100	0.6	1170	8	4.8	1.9	13	3	9	<1
4856	<100	1.9	5240	19	11.9	5.6	38	4	27	<1
4857	<100	2.5	6780	24	13.3	7.1	36	6	31	<1
4858	<100	1.2	6860	19	12.0	5.4	52	5	25	<1
4859	<100	<0.5	2160	10	5.0	4.0	60	2	16	<1
4860	<100	<0.5	960	12	6.4	3.2	6	<1	15	2
4861	<100	1.0	1500	13	7.6	3.9	20	3	16	1
4862	100	1.4	1310	30	15.3	11.2	37	5	43	1
4863	100	4.2	3030	48	26.6	14.7	80	8	62	<1
4864	100	4.1	3360	50	25.5	19.2	85	11	74	<1
4865	300	2.9	4730	83	45.8	30.3	186	23	118	<1
4866	100	1.0	2730	61	35.3	15.9	193	9	66	<1
4867	100	<0.5	1180	43	24.9	15.3	46	6	61	<1
4868	<100	<0.5	1390	8	5.0	2.3	18	2	11	1
4869	<100	0.7	610	31	14.9	11.5	36	7	43	<1
4870	300	4.1	2110	56	29.7	19.4	248	15	71	<1
4871	200	5.5	2510	106	55.3	35.9	156	25	133	1
4872	100	8.1	370	28	15.2	6.1	123	22	23	<1
4873	<100	7.9	600	47	21.7	9.5	94	13	39	<1
4874	200	6.3	240	9	5.2	2.2	193	13	8	2
4875	300	4.1	180	11	5.3	3.4	216	43	11	2
*Rep 4802	<100	2.4	9110	26	16.5	7.0	50	7	32	<1
*Rep 4816	<100	3.0	2940	31	20.9	6.1	175	5	26	<1
*Rep 4837	300	7.1	220	17	9.4	4.7	169	59	17	2
*Rep 4845	<100	0.5	1650	127	83.5	30.3	9	6	146	11
*Rep 4853	<100	0.7	1250	13	7.9	4.0	11	2	17	<1
*Rep 4869	<100	<0.5	670	20	11.0	7.0	52	2	28	2
*Std MMISRM16	<100	13.1	820	3	1.0	1.1	1	<1	4	31
*Std AMISO169	100	8.5	5420	41	18.3	15.9	51	18	65	1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4801	<0.5	10.2	186	25	36	1380	5	6.4	230	169
4802	<0.5	37.5	86	47	56	1890	69	6.8	137	227
4803	<0.5	6.5	307	7	25	1320	14	11.3	246	69
4804	<0.5	31.3	51	25	31	3850	20	1.3	83	78
4805	<0.5	27.5	7	37	57	3520	<5	<0.5	19	29
4806	<0.5	18.7	8	31	80	1180	<5	<0.5	21	61
4807	<0.5	16.2	20	13	96	10500	<5	1.1	35	133
4808	<0.5	16.1	94	26	52	9620	15	2.1	142	152
4809	<0.5	18.5	126	22	54	1570	<5	4.6	202	69
4810	<0.5	22.5	132	24	44	3180	<5	4.6	218	65
4811	<0.5	12.8	46	<5	23	2220	<5	1.2	73	51
4812	<0.5	21.3	48	32	41	3390	40	2.0	88	66
4813	<0.5	17.1	51	17	25	2230	56	1.2	89	81
4814	<0.5	13.8	47	<5	13	2760	16	1.6	77	78
4815	<0.5	5.9	141	<5	22	1780	13	6.3	174	93
4816	<0.5	3.8	97	8	16	510	<5	9.5	104	77
4817	<0.5	13.0	62	5	82	4800	<5	1.2	98	60
4818	<0.5	13.5	31	12	41	2710	<5	2.2	36	39
4819	<0.5	23.4	57	27	44	3660	15	2.2	107	67
4820	<0.5	20.8	103	16	59	1650	19	3.4	174	80
4821	<0.5	18.4	53	22	46	3700	36	2.1	93	78
4822	<0.5	86.7	60	50	132	2710	32	2.6	108	96
4823	<0.5	46.4	41	51	72	3750	48	3.8	61	210
4824	<0.5	34.9	36	25	57	2450	7	2.0	62	95
4825	<0.5	18.5	59	22	65	4690	<5	3.9	73	89
4826	<0.5	21.7	89	18	50	2490	12	3.4	154	81
4827	<0.5	9.7	252	13	31	4010	8	8.3	232	113
4828	<0.5	16.0	94	22	83	2110	38	3.3	149	101
4829	<0.5	8.6	124	9	67	2500	25	3.4	121	182
4830	<0.5	3.9	219	10	39	1920	8	5.5	185	126
4831	<0.5	36.8	168	42	65	1810	48	4.0	203	288
4832	<0.5	45.5	99	50	69	1620	56	3.6	118	389
4833	<0.5	51.2	51	48	82	3530	112	3.6	74	274
4834	<0.5	13.5	52	9	3	380	<5	9.1	54	115
4835	<0.5	21.7	39	15	16	3420	<5	87.9	45	98
4836	<0.5	14.0	63	5	3	930	<5	11.0	73	236
4837	<0.5	38.8	64	22	14	11300	<5	54.0	64	129
4838	<0.5	21.9	25	19	7	350	<5	18.6	20	186
4839	0.5	19.6	67	22	16	960	<5	20.5	67	285
4840	<0.5	21.7	26	7	3	220	<5	10.5	25	128
4841	<0.5	14.9	169	9	7	1810	<5	10.1	187	139
4842	<0.5	12.8	22	<5	71	140	<5	<0.5	37	110
4843	<0.5	13.8	38	6	119	1750	<5	0.7	76	112

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4844	<0.5	10.9	43	<5	6	300	<5	5.5	44	207
4845	<0.5	18.6	658	6	98	590	<5	1.4	709	67
4846	<0.5	6.9	41	6	2	50	<5	7.0	33	129
4847	<0.5	23.0	60	<5	3	1150	<5	9.8	58	121
4848	<0.5	5.6	304	<5	2	1250	<5	10.9	403	49
4849	<0.5	15.4	137	22	6	750	<5	36.3	101	89
4850	<0.5	23.0	73	<5	106	250	<5	1.1	114	85
4851	<0.5	18.7	8	18	67	6740	5	<0.5	22	142
4852	<0.5	14.5	16	8	53	10800	<5	0.8	30	152
4853	<0.5	12.5	31	<5	64	3750	9	<0.5	60	166
4854	<0.5	3.4	161	<5	33	2480	<5	6.1	174	179
4855	<0.5	21.3	21	73	76	7810	<5	1.7	26	120
4856	<0.5	19.0	69	16	33	4170	<5	2.0	117	57
4857	<0.5	23.3	79	27	59	1650	147	4.0	142	107
4858	<0.5	38.8	67	46	47	2640	28	2.9	109	83
4859	<0.5	25.0	97	30	35	1780	14	4.6	111	128
4860	<0.5	15.2	24	<5	75	1490	<5	<0.5	45	48
4861	<0.5	12.3	54	8	63	15700	<5	2.1	78	77
4862	<0.5	8.3	256	<5	57	1670	<5	10.6	256	47
4863	<0.5	5.9	514	<5	37	1630	<5	10.5	421	102
4864	<0.5	12.3	671	<5	45	3500	<5	14.7	609	164
4865	<0.5	19.2	963	29	63	13300	6	17.6	1010	307
4866	<0.5	7.7	419	8	39	11000	6	17.7	407	277
4867	<0.5	14.5	408	7	59	12900	<5	1.9	466	248
4868	<0.5	13.5	26	6	65	10200	<5	1.8	41	117
4869	<0.5	14.2	86	<5	49	5240	<5	3.7	300	136
4870	<0.5	24.6	433	<5	41	33400	<5	20.5	482	135
4871	<0.5	20.4	783	<5	36	39500	<5	39.0	900	107
4872	<0.5	22.0	88	9	3	1810	<5	13.2	104	75
4873	<0.5	32.1	134	5	5	7620	<5	11.6	159	109
4874	<0.5	13.9	44	<5	4	1190	<5	8.5	39	142
4875	<0.5	25.1	75	6	6	760	<5	19.1	58	114
*Rep 4802	<0.5	32.7	78	37	55	1750	81	4.7	140	210
*Rep 4816	<0.5	5.3	132	6	23	1390	<5	9.1	138	161
*Rep 4837	<0.5	37.1	78	22	13	10300	<5	49.0	79	129
*Rep 4845	<0.5	16.9	484	6	117	460	<5	1.1	601	58
*Rep 4853	<0.5	13.1	43	<5	69	13200	12	<0.5	77	278
*Rep 4869	<0.5	12.0	106	<5	87	5410	<5	0.8	260	133
*Std MMISRM16	<0.5	35.7	4	<5	27	90	52	<0.5	15	301
*Std AMISO169	<0.5	43.1	493	<5	33	4330	<5	4.5	482	620
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4801	0.3	350	<1	56	<1	256	<1	35	40	<1
4802	0.4	760	<1	29	<1	163	5	42	28	1
4803	1.0	290	<1	66	<1	127	1	32	39	1
4804	0.1	330	<1	18	<1	41	1	6	17	<1
4805	<0.1	120	<1	3	<1	<5	<1	<5	5	<1
4806	<0.1	40	<1	4	<1	40	<1	<5	7	<1
4807	0.1	30	<1	7	<1	49	<1	11	8	<1
4808	0.1	160	<1	32	<1	19	1	12	25	<1
4809	0.2	320	<1	43	<1	170	1	23	37	<1
4810	0.2	420	<1	47	<1	48	2	21	40	<1
4811	<0.1	230	<1	16	<1	132	<1	<5	14	<1
4812	0.2	470	<1	18	<1	77	2	17	18	<1
4813	0.2	400	<1	19	<1	128	2	7	17	<1
4814	0.1	210	<1	16	<1	93	1	<5	15	<1
4815	0.6	280	<1	42	<1	136	3	11	30	<1
4816	0.9	300	<1	26	<1	55	<1	77	22	<1
4817	0.3	20	<1	20	<1	56	<1	12	21	<1
4818	0.2	40	<1	8	<1	54	<1	<5	8	<1
4819	0.1	370	<1	23	<1	80	1	15	22	<1
4820	0.2	720	<1	38	<1	111	3	21	33	<1
4821	0.2	690	<1	20	<1	91	3	16	19	<1
4822	0.2	790	<1	23	<1	86	3	20	23	<1
4823	0.2	950	<1	13	<1	128	5	27	13	<1
4824	0.1	800	<1	13	<1	120	3	13	13	<1
4825	0.3	140	<1	17	<1	74	<1	14	15	<1
4826	0.3	350	<1	33	<1	150	1	22	31	<1
4827	0.3	360	<1	61	<1	105	1	55	40	<1
4828	0.3	1030	<1	33	<1	137	4	23	29	<1
4829	0.5	530	<1	30	<1	56	2	20	21	<1
4830	0.9	380	<1	49	<1	91	<1	27	29	<1
4831	0.4	590	<1	48	<1	77	2	26	33	<1
4832	0.4	610	<1	28	<1	39	1	18	19	<1
4833	0.4	1030	<1	16	<1	67	3	24	16	<1
4834	1.7	250	<1	13	<1	202	<1	40	12	<1
4835	12.1	710	<1	10	<1	360	<1	56	11	14
4836	2.1	380	<1	17	<1	283	<1	65	18	2
4837	14.3	470	<1	16	<1	678	<1	62	15	8
4838	5.7	170	<1	5	<1	515	<1	44	4	3
4839	9.3	320	<1	16	<1	318	<1	51	14	4
4840	2.0	120	<1	6	<1	230	<1	31	5	1
4841	2.5	300	<1	46	<1	273	<1	55	38	<1
4842	0.1	20	<1	8	<1	167	<1	6	9	<1
4843	0.1	40	<1	15	<1	76	<1	16	20	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4844	2.7	90	<1	11	<1	204	<1	20	10	<1
4845	0.2	90	<1	168	<1	111	<1	102	136	<1
4846	3.4	20	<1	9	<1	95	<1	21	6	<1
4847	5.3	190	<1	15	<1	216	<1	35	13	<1
4848	1.2	190	<1	90	<1	85	<1	85	85	1
4849	6.9	100	<1	27	<1	207	<1	53	19	6
4850	0.2	50	<1	25	<1	129	<1	23	25	<1
4851	<0.1	60	<1	4	<1	52	<1	7	7	<1
4852	<0.1	50	<1	6	<1	65	<1	5	7	<1
4853	0.2	10	<1	12	<1	74	<1	10	14	<1
4854	1.3	220	<1	44	<1	54	<1	45	35	<1
4855	0.2	70	<1	6	<1	28	<1	12	7	<1
4856	0.1	650	<1	24	<1	126	3	11	24	<1
4857	0.3	770	<1	30	<1	99	3	24	30	<1
4858	0.3	670	<1	23	<1	60	3	18	23	<1
4859	0.6	160	<1	27	<1	37	<1	7	18	<1
4860	<0.1	20	<1	9	<1	63	<1	9	11	<1
4861	0.3	20	<1	17	<1	61	<1	16	15	<1
4862	1.3	140	<1	64	<1	178	<1	29	47	<1
4863	0.3	340	<1	111	<1	244	<1	53	68	<1
4864	0.9	410	<1	160	<1	200	2	40	95	<1
4865	1.3	320	<1	265	<1	148	<1	115	149	<1
4866	2.1	480	<1	107	<1	75	1	97	72	<1
4867	0.4	40	<1	112	<1	125	<1	25	71	<1
4868	0.3	70	<1	9	<1	38	<1	7	9	<1
4869	0.7	50	<1	77	<1	88	<1	31	50	<1
4870	1.7	210	<1	124	<1	248	<1	106	88	<1
4871	1.5	380	<1	222	<1	266	<1	185	165	1
4872	1.1	310	<1	24	<1	285	<1	56	23	1
4873	1.1	310	<1	37	<1	324	<1	57	36	<1
4874	2.9	190	<1	10	<1	111	<1	35	8	<1
4875	6.1	200	<1	15	<1	242	<1	52	12	3
*Rep 4802	0.3	740	<1	29	<1	139	5	27	30	<1
*Rep 4816	0.6	390	<1	35	<1	88	<1	75	27	<1
*Rep 4837	14.5	500	<1	19	<1	657	<1	64	18	7
*Rep 4845	0.1	40	<1	138	<1	74	<1	72	125	<1
*Rep 4853	0.1	20	<1	16	<1	82	<1	12	16	<1
*Rep 4869	0.2	20	<1	68	<1	65	<1	14	46	<1
*Std MMISRM16	0.3	90	31	2	<1	338	<1	8	4	<1
*Std AMISO169	3.2	160	<1	122	<1	267	1	80	83	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4801	1140	<1	5	<10	131	556	0.9	100	<1	123
4802	1760	<1	4	<10	71.9	1290	1.2	109	3	128
4803	440	<1	5	<10	89.8	1090	1.0	18	1	89
4804	1450	<1	2	<10	54.3	93	<0.5	67	1	67
4805	2980	<1	<1	<10	9.8	25	<0.5	5	<1	25
4806	1110	<1	1	<10	7.8	48	<0.5	10	<1	44
4807	1190	<1	1	<10	20.0	207	<0.5	5	<1	41
4808	1580	<1	3	<10	74.0	146	<0.5	25	1	79
4809	750	<1	5	<10	116	603	0.7	6	1	140
4810	720	<1	6	<10	144	463	<0.5	12	2	154
4811	450	<1	2	<10	38.2	57	<0.5	11	<1	52
4812	1110	<1	3	<10	47.1	420	<0.5	28	1	80
4813	1150	<1	2	<10	54.7	88	<0.5	33	1	64
4814	1030	<1	2	<10	42.5	108	<0.5	22	<1	54
4815	560	<1	4	<10	98.1	577	<0.5	63	2	86
4816	220	<1	4	<10	81.2	1120	0.7	28	1	157
4817	640	<1	3	<10	33.0	63	<0.5	6	<1	88
4818	360	<1	1	<10	18.5	181	<0.5	1	<1	31
4819	2570	<1	3	<10	54.0	310	0.5	23	1	91
4820	1590	<1	5	<10	91.4	433	0.6	19	2	120
4821	1110	<1	3	<10	50.2	386	<0.5	28	1	90
4822	5450	<1	3	<10	43.1	523	<0.5	32	2	95
4823	2520	<1	2	<10	30.7	824	0.6	56	3	81
4824	1830	<1	2	<10	47.0	329	0.5	43	1	68
4825	1200	<1	2	<10	54.7	585	<0.5	11	<1	60
4826	1120	<1	5	<10	78.1	420	1.4	20	1	110
4827	700	<1	6	<10	74.4	697	0.7	73	1	200
4828	790	<1	4	<10	69.2	563	0.7	32	1	109
4829	780	<1	3	<10	47.2	144	<0.5	89	2	101
4830	460	<1	4	<10	53.8	474	0.5	37	<1	84
4831	1640	<1	4	<10	91.1	494	<0.5	83	4	110
4832	1770	<1	3	<10	66.8	255	<0.5	128	5	63
4833	2820	<1	3	<10	49.1	589	<0.5	58	5	78
4834	20	<1	2	<10	31.7	1850	<0.5	7	<1	56
4835	130	7	2	<10	84.1	22200	<0.5	17	4	53
4836	40	<1	4	<10	55.8	3230	1.0	13	<1	110
4837	110	4	3	<10	80.8	13300	1.0	17	3	66
4838	110	1	<1	<10	18.9	5520	0.5	6	1	29
4839	300	2	3	<10	32.4	5610	<0.5	9	1	72
4840	110	<1	<1	<10	20.7	2660	0.6	6	<1	29
4841	130	<1	7	<10	61.9	1890	1.1	11	1	209
4842	700	<1	1	<10	17.3	54	<0.5	37	<1	31
4843	790	<1	4	<10	35.4	92	<0.5	11	<1	98

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4844	120	<1	2	<10	20.7	1100	<0.5	5	<1	47
4845	1160	<1	22	<10	82.9	111	0.5	20	<1	673
4846	40	<1	1	<10	24.1	1300	<0.5	7	<1	17
4847	70	<1	2	<10	56.6	1470	0.9	10	<1	44
4848	30	<1	11	<10	78.7	2610	<0.5	16	<1	276
4849	90	3	3	<10	59.4	9260	0.6	10	2	51
4850	1130	<1	4	<10	69.8	67	<0.5	18	<1	109
4851	810	<1	1	<10	16.9	78	<0.5	11	<1	34
4852	720	<1	1	<10	24.7	73	<0.5	5	<1	31
4853	1720	<1	2	<10	37.1	11	<0.5	48	<1	50
4854	580	<1	5	<10	70.5	683	0.6	51	<1	142
4855	1660	<1	1	<10	17.4	353	<0.5	4	<1	37
4856	820	<1	4	<10	64.7	230	0.9	66	1	101
4857	1930	<1	5	<10	81.9	541	<0.5	82	2	103
4858	1640	<1	4	<10	69.1	460	0.6	20	2	98
4859	2520	<1	2	<10	47.6	265	<0.5	38	2	48
4860	730	<1	2	<10	16.8	19	<0.5	6	<1	57
4861	850	<1	2	<10	42.2	238	0.8	5	<1	66
4862	490	<1	6	<10	124	969	1.7	7	1	143
4863	570	<1	10	<10	113	627	0.9	40	1	253
4864	560	<1	11	<10	210	1190	0.9	55	2	244
4865	540	<1	18	<10	283	1350	0.6	50	5	423
4866	460	<1	11	<10	168	1380	<0.5	43	3	309
4867	770	<1	9	<10	158	124	<0.5	20	<1	212
4868	560	<1	1	<10	32.7	164	0.5	3	<1	41
4869	740	<1	7	<10	53.1	148	<0.5	10	<1	142
4870	520	1	12	<10	274	2370	1.2	26	2	222
4871	510	2	22	<10	431	7500	1.5	50	5	387
4872	40	<1	4	<10	80.2	3130	0.7	10	1	113
4873	110	<1	8	<10	92.5	2290	1.2	13	1	183
4874	90	<1	2	<10	38.4	1080	<0.5	5	<1	35
4875	170	1	2	<10	50.3	4240	0.6	10	1	44
*Rep 4802	1870	<1	5	<10	70.5	803	0.8	71	3	133
*Rep 4816	350	<1	5	<10	84.6	787	0.7	35	<1	171
*Rep 4837	120	4	3	<10	83.2	12000	1.1	17	3	76
*Rep 4845	1270	<1	22	<10	95.8	68	<0.5	26	<1	620
*Rep 4853	1840	<1	3	<10	48.9	5	0.5	59	<1	59
*Rep 4869	680	<1	4	<10	45.4	181	<0.5	8	<1	86
*Std MMISRM16	450	<1	<1	<10	24.5	<3	<0.5	62	<1	10
*Std AMISO169	80	<1	10	<10	117	552	1.3	40	2	162
*Bik BLANK	<10	<1	<1	<10	0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.8	<3	<0.5	<1	<1	<5

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Final : TO111759 Order: EXPL-007

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4801	13	50	77
4802	14	70	128
4803	8	70	103
4804	7	20	55
4805	2	30	20
4806	4	110	14
4807	5	80	28
4808	8	30	40
4809	15	40	162
4810	16	40	147
4811	5	20	55
4812	9	40	46
4813	7	<20	47
4814	5	30	61
4815	8	30	97
4816	16	40	112
4817	8	200	47
4818	3	50	37
4819	10	30	45
4820	13	30	113
4821	10	40	50
4822	11	40	66
4823	10	60	67
4824	8	40	67
4825	7	50	92
4826	12	50	104
4827	19	60	84
4828	12	50	108
4829	10	40	37
4830	7	60	49
4831	12	60	61
4832	7	80	31
4833	10	70	81
4834	6	100	57
4835	5	1420	256
4836	9	50	114
4837	7	990	227
4838	5	540	67
4839	8	660	87
4840	4	80	50
4841	18	240	88
4842	3	<20	16
4843	11	60	41

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Final : TO111759 Order: EXPL-007

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4844	5	770	37
4845	68	250	66
4846	3	70	35
4847	5	580	87
4848	23	220	91
4849	5	390	153
4850	15	140	40
4851	3	100	15
4852	3	60	31
4853	5	70	24
4854	11	460	74
4855	4	110	43
4856	11	30	104
4857	12	30	117
4858	12	40	96
4859	4	20	53
4860	6	60	29
4861	7	60	62
4862	13	40	138
4863	22	50	106
4864	22	40	222
4865	42	210	346
4866	30	290	263
4867	23	1040	67
4868	5	70	55
4869	12	270	70
4870	26	300	304
4871	48	100	462
4872	11	170	116
4873	15	200	121
4874	4	830	66
4875	5	430	105
*Rep 4802	15	40	119
*Rep 4816	17	50	112
*Rep 4837	7	970	219
*Rep 4845	67	110	48
*Rep 4853	6	110	27
*Rep 4869	9	190	43
*Std MMISRM16	<1	260	18
*Std AMIS0169	15	310	70
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111764

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 20, 2010

P.O. No. : EXPL-007
Project No. : -
No. Of Samples : 75
Date Submitted : Sep 03, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
5026	12	116	<10	<0.1	780	<1	340	23	103	8
5027	5	10	<10	0.2	1350	<1	210	2	5	9
5028	8	12	<10	<0.1	1500	<1	260	7	30	139
5029	9	13	10	0.2	2130	<1	200	8	46	41
5030	<1	253	<10	<0.1	1670	1	20	24	138	122
5031	8	102	<10	0.5	1490	<1	260	5	612	42
5032	2	168	10	0.2	2190	<1	110	10	545	33
5033	6	57	<10	0.6	1490	<1	230	10	926	156
5034	5	121	<10	0.2	1750	<1	260	16	242	46
5035	10	43	<10	0.3	1500	<1	330	1	20	10
5036	20	74	<10	0.2	2800	<1	390	5	108	43
5037	7	97	<10	<0.1	380	<1	270	3	213	<5
5038	<1	233	20	<0.1	670	1	50	21	427	59
5039	1	284	20	0.1	3620	<1	30	7	819	56
5040	3	123	<10	0.2	1730	<1	240	10	644	79
5041	3	151	<10	<0.1	1050	<1	130	17	50	82
5042	11	124	<10	<0.1	2350	<1	360	34	871	35
5043	14	48	<10	0.3	1780	<1	350	14	278	185
5044	1	248	20	0.1	2190	1	50	23	724	98
5045	5	25	<10	0.2	960	<1	260	5	107	86
5046	14	23	20	0.2	2650	<1	320	6	415	85
5047	2	>300	30	<0.1	2660	<1	<10	18	461	47
5048	3	>300	30	<0.1	1980	2	40	30	1230	97
5049	3	112	<10	0.2	1720	<1	240	8	133	27
5050	3	125	<10	0.1	1620	<1	230	5	578	37
5051	5	27	<10	0.2	1440	<1	260	2	73	<5
5052	3	102	<10	<0.1	310	<1	300	16	95	12
5053	3	64	<10	0.2	520	<1	250	7	94	<5
5054	18	85	<10	0.2	1280	<1	280	23	808	85
5055	8	10	<10	0.3	1330	<1	210	3	55	49
5056	6	57	<10	0.2	1370	<1	310	8	362	21
5057	5	38	<10	1.0	1340	<1	270	4	44	10
5058	22	39	<10	0.3	1550	<1	420	27	108	48
5059	6	63	<10	0.2	1250	<1	280	7	158	15
5060	4	26	<10	0.2	1060	<1	230	3	19	15
5061	4	10	<10	0.3	1290	<1	200	2	5	16
5062	8	25	<10	0.3	1580	<1	260	4	354	53
5063	12	87	<10	0.2	920	<1	290	20	460	103
5064	9	125	<10	0.1	1600	1	270	50	280	111
5065	12	70	<10	0.2	2450	<1	330	15	474	50
5066	19	22	<10	0.2	1580	<1	340	10	696	100
5067	3	121	<10	0.1	600	<1	170	17	81	169
5068	9	17	<10	0.2	1230	<1	260	3	35	42

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Element Method Det.Lim. Units	Ag MMI-M5 ppb	Al MMI-M5 ppm	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb
5069	5	92	20	0.1	1530	<1	230	6	928	62
5070	8	18	<10	0.1	1210	<1	270	3	56	59
5071	10	60	<10	0.3	1370	<1	340	19	414	231
5072	2	9	<10	0.1	900	<1	160	2	9	19
5073	4	89	20	<0.1	800	<1	220	9	446	44
5074	13	15	<10	0.2	1240	<1	330	6	42	115
5075	13	11	<10	<0.1	1570	<1	290	3	24	161
5076	4	39	<10	0.2	1320	<1	440	16	101	87
5077	8	3	<10	0.1	1690	<1	200	3	38	45
5078	3	23	<10	0.1	1440	<1	380	4	131	43
5079	2	40	<10	0.1	1330	<1	360	6	151	60
5080	3	46	<10	0.2	930	<1	270	4	85	25
5081	5	64	<10	0.3	1140	<1	320	5	194	37
5082	26	35	<10	0.1	1260	<1	310	20	327	66
5083	6	25	<10	0.2	1060	<1	250	5	66	60
5084	7	56	<10	<0.1	900	<1	320	6	60	19
5085	5	31	<10	0.4	1010	<1	260	7	73	99
5086	8	62	<10	0.2	1290	<1	350	5	93	7
5087	15	56	<10	0.2	1270	<1	300	15	480	126
5088	5	270	<10	<0.1	2820	<1	<10	9	193	29
5089	4	297	10	<0.1	690	<1	<10	6	109	20
5090	5	225	<10	<0.1	1490	<1	<10	9	117	46
5091	5	>300	10	<0.1	1420	<1	<10	19	147	61
5092	7	178	<10	<0.1	1890	<1	<10	15	359	32
5093	5	290	<10	<0.1	930	<1	<10	11	130	25
5094	3	>300	20	<0.1	1350	<1	<10	16	79	50
5095	5	253	<10	<0.1	1560	<1	<10	10	84	32
5096	7	>300	20	<0.1	1460	<1	<10	9	194	33
5097	3	>300	40	<0.1	750	2	20	6	185	23
5098	2	261	20	<0.1	650	2	10	6	409	12
5099	2	220	<10	<0.1	1930	<1	<10	15	204	36
5100	1	126	40	<0.1	250	1	20	8	47	12
*Rep 5033	8	34	<10	0.4	1570	<1	250	6	611	184
*Rep 5039	1	296	20	<0.1	3690	<1	20	9	694	54
*Rep 5053	2	72	<10	0.1	590	<1	260	9	117	6
*Rep 5073	4	93	20	<0.1	940	1	220	8	505	42
*Rep 5089	6	256	<10	<0.1	770	<1	<10	6	151	18
*Rep 5091	6	>300	<10	0.1	1500	<1	10	21	186	70
*Std MMISRM16	22	43	20	29.3	70	<1	180	4	16	59
*Std AMIS0169	9	68	10	0.5	810	<1	40	2	806	119
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
5026	<100	1.4	440	20	13.3	3.5	29	2	17	<1
5027	<100	<0.5	650	7	3.9	1.8	2	<1	9	<1
5028	<100	<0.5	2420	8	4.9	2.1	4	<1	10	<1
5029	<100	<0.5	6260	12	7.8	2.8	11	2	15	<1
5030	<100	4.2	580	29	16.1	4.2	98	13	18	<1
5031	200	1.3	810	44	25.3	13.6	26	5	56	<1
5032	100	3.3	260	66	35.8	17.3	64	16	74	<1
5033	100	1.1	950	32	15.9	12.9	52	8	48	<1
5034	<100	1.8	520	47	29.1	11.3	18	3	48	<1
5035	<100	0.7	690	11	6.6	3.0	14	2	14	2
5036	<100	1.1	950	25	14.5	6.6	6	2	30	<1
5037	<100	2.0	890	13	5.8	5.7	11	2	22	<1
5038	300	3.6	240	26	11.0	8.5	146	44	32	<1
5039	100	4.3	600	83	38.4	23.0	67	20	94	<1
5040	<100	1.6	340	34	17.2	12.3	67	8	47	<1
5041	<100	2.5	380	39	30.7	2.6	159	7	14	<1
5042	100	1.4	3120	78	51.6	19.2	33	11	88	<1
5043	100	0.6	2200	18	10.8	5.9	18	4	25	<1
5044	100	2.0	370	84	40.2	24.1	91	18	99	<1
5045	<100	0.7	740	11	5.9	3.3	20	2	15	<1
5046	<100	1.0	6330	23	12.5	8.1	39	6	34	<1
5047	200	5.4	380	33	16.0	9.8	120	23	35	<1
5048	200	4.1	310	119	54.9	38.0	108	33	151	<1
5049	<100	1.5	290	27	12.6	10.0	12	3	40	<1
5050	100	1.0	690	77	44.5	18.6	30	6	82	<1
5051	<100	0.6	540	19	9.3	6.6	8	1	29	<1
5052	<100	2.1	80	12	5.4	3.2	34	3	14	<1
5053	<100	1.1	430	12	5.5	5.0	10	2	19	<1
5054	100	2.0	2350	31	15.8	12.7	48	8	46	<1
5055	<100	0.6	1130	7	4.2	2.0	9	<1	10	<1
5056	<100	0.6	1360	22	11.8	7.7	27	3	31	<1
5057	<100	1.2	630	14	6.3	5.0	12	1	21	<1
5058	<100	<0.5	16800	24	15.4	5.7	8	2	28	<1
5059	<100	1.2	470	21	10.4	6.8	14	2	28	<1
5060	<100	<0.5	580	8	4.2	2.6	8	<1	11	<1
5061	<100	<0.5	590	5	3.1	1.5	2	<1	7	1
5062	<100	1.5	4600	22	13.4	6.8	60	5	31	<1
5063	<100	1.3	2980	22	13.6	6.7	68	4	27	<1
5064	<100	3.3	2910	24	16.6	5.4	123	8	24	<1
5065	<100	2.9	4010	21	11.1	7.8	36	8	30	<1
5066	<100	0.9	5250	40	23.3	13.5	49	7	59	<1
5067	<100	1.8	1170	16	15.3	2.0	209	3	9	<1
5068	<100	0.5	670	9	4.9	2.4	9	2	11	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
5069	100	1.0	760	53	28.7	17.5	146	10	70	<1
5070	<100	<0.5	750	9	4.6	2.3	11	1	11	<1
5071	<100	<0.5	1890	20	11.4	6.5	74	4	25	<1
5072	<100	<0.5	310	3	1.5	1.0	2	<1	5	<1
5073	<100	4.0	1050	14	6.1	6.1	93	6	21	<1
5074	<100	<0.5	1170	11	7.2	2.3	5	1	13	<1
5075	<100	<0.5	840	7	4.4	1.6	6	1	8	<1
5076	<100	<0.5	1220	7	4.0	2.1	75	2	9	<1
5077	<100	<0.5	1710	4	2.3	1.6	16	<1	6	<1
5078	<100	<0.5	1710	5	2.8	2.5	41	2	9	<1
5079	<100	<0.5	1830	10	5.7	3.3	73	2	13	<1
5080	<100	0.8	210	9	4.3	3.0	12	1	13	<1
5081	<100	0.8	680	23	12.6	7.0	20	3	30	<1
5082	<100	0.9	5500	22	11.4	7.9	31	3	32	<1
5083	<100	<0.5	1320	8	4.3	2.3	11	<1	11	<1
5084	<100	<0.5	400	9	4.9	2.6	15	1	11	<1
5085	<100	<0.5	800	8	4.4	2.4	13	1	10	<1
5086	<100	0.8	500	15	8.2	4.0	9	2	18	2
5087	<100	1.3	1890	22	11.6	8.3	71	6	30	<1
5088	<100	5.1	240	24	11.5	5.1	49	8	19	<1
5089	<100	3.5	60	11	6.1	3.0	84	28	9	<1
5090	<100	4.6	190	17	9.7	2.8	72	16	12	<1
5091	200	5.8	370	11	5.3	2.7	92	20	9	<1
5092	<100	5.1	250	62	34.4	13.6	26	8	59	<1
5093	100	6.2	150	12	5.8	2.9	65	19	11	<1
5094	200	5.6	330	8	5.2	1.7	192	34	6	<1
5095	<100	6.2	230	10	6.3	1.8	69	10	6	<1
5096	200	6.5	180	16	8.2	4.3	137	30	15	<1
5097	200	3.9	140	13	6.4	4.1	239	101	15	<1
5098	200	6.0	70	25	11.5	11.0	78	153	38	<1
5099	<100	5.5	310	37	19.7	5.9	40	8	26	<1
5100	<100	2.6	120	5	2.3	2.1	91	107	6	<1
*Rep 5033	<100	0.8	970	21	10.4	9.5	29	5	35	<1
*Rep 5039	100	4.9	520	70	31.9	19.0	67	20	78	<1
*Rep 5053	<100	1.2	360	12	5.8	5.0	12	2	20	<1
*Rep 5073	100	5.3	1110	15	6.7	6.8	90	7	22	<1
*Rep 5089	<100	5.0	80	19	11.4	4.9	77	26	18	<1
*Rep 5091	100	6.2	370	14	6.3	3.7	83	19	13	<1
*Std MMISRM16	<100	11.8	650	2	0.9	1.0	2	<1	4	14
*Std AMISO169	100	7.5	4590	31	13.7	12.5	43	15	49	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
5026	<0.5	11.6	42	<5	87	430	<5	0.8	59	129
5027	<0.5	19.3	6	22	102	550	<5	0.5	18	34
5028	<0.5	15.5	10	21	97	3480	<5	0.7	25	81
5029	<0.5	31.9	14	27	95	3210	28	0.9	37	143
5030	<0.5	18.3	57	10	10	1210	<5	8.0	69	126
5031	<0.5	13.3	345	<5	84	1280	<5	2.2	346	94
5032	<0.5	14.2	253	<5	28	1250	<5	12.9	330	42
5033	<0.5	22.6	401	<5	78	19200	<5	3.2	407	130
5034	<0.5	22.4	197	<5	72	840	<5	0.7	225	73
5035	<0.5	10.4	28	8	104	560	<5	0.9	50	58
5036	<0.5	12.4	94	10	126	700	<5	<0.5	124	135
5037	<0.5	3.3	114	<5	43	210	<5	0.6	144	149
5038	<0.5	13.9	207	10	9	440	<5	21.4	197	128
5039	<0.5	18.2	396	11	14	1310	<5	17.8	541	70
5040	<0.5	16.9	368	<5	67	6190	<5	7.1	333	88
5041	<0.5	14.6	19	5	57	510	<5	2.0	37	276
5042	<0.5	19.3	545	19	89	190	<5	4.6	502	413
5043	<0.5	20.3	117	9	108	3100	6	3.2	149	215
5044	<0.5	15.1	595	<5	24	1810	<5	11.5	582	116
5045	<0.5	11.4	45	5	68	5470	<5	2.1	62	71
5046	<0.5	24.1	159	33	95	4140	13	4.1	217	111
5047	<0.5	15.8	148	11	4	510	<5	18.3	177	81
5048	<0.5	19.6	672	8	10	2320	<5	15.8	906	148
5049	<0.5	10.3	182	<5	61	360	<5	1.4	198	47
5050	<0.5	9.5	286	<5	74	740	<5	1.3	361	110
5051	<0.5	11.2	97	<5	70	190	<5	0.8	130	32
5052	<0.5	7.5	39	<5	57	1030	<5	0.8	59	104
5053	<0.5	11.1	68	<5	61	290	<5	0.6	101	82
5054	<0.5	11.8	402	<5	55	3480	<5	6.1	359	189
5055	<0.5	13.8	17	11	65	2460	<5	1.2	29	36
5056	<0.5	14.4	167	<5	68	450	<5	2.0	206	76
5057	<0.5	12.6	66	<5	68	70	<5	0.6	102	54
5058	<0.5	25.8	83	63	103	1310	<5	2.2	111	568
5059	<0.5	11.2	95	<5	68	1280	<5	0.7	136	75
5060	<0.5	13.9	23	<5	64	680	<5	0.7	40	38
5061	<0.5	14.4	6	8	75	600	<5	<0.5	16	26
5062	<0.5	26.3	119	24	51	2510	<5	3.7	184	62
5063	<0.5	17.8	191	<5	45	8960	10	7.8	194	254
5064	<0.5	23.5	118	27	45	6740	15	7.1	129	266
5065	<0.5	20.7	213	18	76	1730	6	7.4	217	133
5066	<0.5	21.2	271	17	76	3300	<5	3.3	374	83
5067	<0.5	9.6	30	6	51	5910	<5	2.3	39	295
5068	<0.5	13.7	17	31	91	1360	<5	1.1	29	54

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
5069	<0.5	12.3	578	9	50	2980	<5	9.0	533	149
5070	<0.5	11.7	20	18	73	4140	<5	1.3	35	89
5071	<0.5	20.1	154	<5	69	8180	5	5.3	186	223
5072	<0.5	14.7	4	25	52	1730	<5	<0.5	12	55
5073	<0.5	3.9	206	6	21	4140	15	4.5	186	97
5074	<0.5	17.1	10	34	121	4010	<5	0.5	25	98
5075	<0.5	21.2	8	89	89	3770	<5	<0.5	18	95
5076	<0.5	15.1	41	9	75	5690	5	2.2	53	230
5077	<0.5	13.0	13	25	33	2120	<5	<0.5	27	70
5078	<0.5	13.7	52	13	41	3360	8	3.1	67	218
5079	<0.5	15.5	64	13	38	2020	<5	3.8	80	171
5080	<0.5	17.5	30	<5	64	1290	<5	0.8	53	65
5081	<0.5	14.5	106	<5	80	910	<5	1.5	152	84
5082	<0.5	23.1	157	16	69	2620	52	2.9	203	399
5083	<0.5	13.9	22	<5	69	1710	<5	0.9	40	67
5084	<0.5	15.8	32	6	81	1240	<5	0.8	53	84
5085	<0.5	15.4	23	12	83	7180	<5	1.0	44	98
5086	<0.5	15.4	37	<5	93	370	<5	0.5	64	68
5087	<0.5	19.6	210	19	64	6770	7	2.8	237	163
5088	<0.5	26.6	61	<5	8	470	<5	4.9	78	55
5089	<0.5	21.9	54	8	6	100	<5	9.0	51	47
5090	<0.5	22.5	31	6	6	790	<5	7.7	42	64
5091	<0.5	14.0	49	<5	5	1760	<5	9.0	43	116
5092	<0.5	20.3	176	<5	3	690	<5	4.0	288	45
5093	<0.5	12.3	54	5	2	170	<5	7.3	53	67
5094	<0.5	17.3	36	13	7	690	<5	15.9	32	108
5095	<0.5	16.4	27	<5	3	150	<5	5.4	30	53
5096	<0.5	16.6	86	11	6	130	<5	14.7	81	80
5097	<0.5	16.3	83	13	10	220	<5	37.8	77	117
5098	<0.5	12.8	361	19	9	100	<5	29.0	252	39
5099	<0.5	16.9	61	<5	13	150	<5	3.7	110	66
5100	<0.5	22.4	23	<5	5	950	<5	13.9	28	37
*Rep 5033	<0.5	20.4	212	<5	90	11800	<5	1.8	255	103
*Rep 5039	<0.5	19.6	304	16	12	940	<5	16.0	448	84
*Rep 5053	<0.5	12.0	71	<5	56	430	<5	0.7	103	90
*Rep 5073	<0.5	4.7	237	9	21	3880	16	5.4	206	93
*Rep 5089	<0.5	25.3	75	9	6	140	<5	10.6	87	41
*Rep 5091	<0.5	14.8	64	<5	5	1880	<5	8.9	60	112
*Std MMISRM16	<0.5	39.1	4	<5	33	100	51	<0.5	13	225
*Std AMISO169	<0.5	45.6	426	<5	33	3520	<5	3.9	391	489
*Bik BLANK	<0.5	<0.1	<1	<5	<1	10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
5026	<0.1	140	<1	14	<1	225	<1	18	14	<1
5027	<0.1	50	<1	3	<1	57	<1	<5	6	<1
5028	<0.1	60	<1	4	<1	30	<1	<5	7	<1
5029	<0.1	850	<1	7	<1	68	4	6	10	<1
5030	2.0	670	<1	16	<1	313	<1	32	16	<1
5031	0.4	130	<1	88	<1	188	<1	40	61	<1
5032	1.1	540	<1	76	<1	275	<1	93	74	1
5033	0.5	80	<1	107	<1	119	<1	32	64	<1
5034	0.2	170	<1	55	<1	205	<1	48	47	<1
5035	0.2	30	<1	11	<1	110	<1	11	12	<1
5036	<0.1	60	<1	29	<1	143	<1	18	27	<1
5037	0.2	20	<1	35	<1	87	<1	7	27	<1
5038	7.7	290	<1	51	<1	146	<1	45	37	4
5039	1.9	420	<1	126	<1	265	<1	84	103	1
5040	0.7	70	<1	88	<1	204	<1	41	56	<1
5041	0.4	150	<1	7	<1	170	<1	25	9	<1
5042	0.4	500	<1	129	<1	125	<1	54	88	<1
5043	0.3	150	<1	35	<1	70	<1	15	26	<1
5044	3.7	570	<1	147	<1	186	<1	72	108	<1
5045	0.4	60	<1	14	<1	83	<1	12	13	<1
5046	0.3	350	<1	50	<1	57	2	17	38	<1
5047	4.1	370	<1	42	<1	231	<1	56	39	2
5048	5.7	440	<1	225	<1	265	<1	89	172	2
5049	0.4	100	<1	47	<1	178	<1	34	41	<1
5050	0.3	280	<1	84	<1	143	<1	69	78	<1
5051	0.1	20	<1	29	<1	93	<1	9	27	<1
5052	0.2	110	<1	13	<1	84	<1	13	13	<1
5053	0.2	20	<1	22	<1	135	<1	10	20	<1
5054	1.3	300	<1	96	<1	135	<1	35	57	<1
5055	<0.1	60	<1	6	<1	50	<1	<5	8	<1
5056	0.2	60	<1	50	<1	102	<1	14	34	<1
5057	0.1	20	<1	22	<1	136	<1	8	21	<1
5058	0.5	660	<1	25	<1	41	2	8	23	<1
5059	0.1	60	<1	31	<1	158	<1	13	28	<1
5060	0.1	20	<1	8	<1	75	<1	6	9	<1
5061	<0.1	30	<1	3	<1	43	<1	<5	5	<1
5062	0.1	440	<1	41	<1	188	<1	12	34	<1
5063	0.4	640	<1	51	<1	92	1	39	33	<1
5064	0.7	790	<1	33	<1	150	1	61	24	<1
5065	0.6	440	<1	55	<1	153	2	26	36	<1
5066	0.3	200	<1	86	<1	107	<1	15	65	<1
5067	0.4	190	<1	10	<1	94	<1	36	8	<1
5068	0.2	60	<1	6	<1	50	<1	8	9	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
5069	1.4	110	<1	143	<1	134	<1	55	86	<1
5070	0.2	50	<1	7	<1	45	<1	7	9	<1
5071	0.3	330	<1	46	<1	50	<1	32	31	<1
5072	<0.1	30	<1	2	<1	26	<1	<5	4	<1
5073	1.2	220	<1	50	<1	34	<1	23	28	<1
5074	<0.1	50	<1	4	<1	34	<1	6	8	<1
5075	<0.1	70	<1	3	<1	11	<1	5	6	<1
5076	0.1	120	<1	13	<1	22	<1	17	9	<1
5077	0.1	50	<1	5	<1	24	<1	<5	6	<1
5078	0.2	120	<1	16	<1	60	<1	<5	11	<1
5079	0.2	320	<1	19	<1	39	<1	13	14	<1
5080	0.2	30	<1	12	<1	132	<1	8	12	<1
5081	0.2	50	<1	34	<1	88	<1	17	30	<1
5082	0.4	440	<1	49	<1	109	<1	14	35	<1
5083	<0.1	70	<1	8	<1	32	<1	<5	9	<1
5084	0.1	40	<1	12	<1	90	<1	9	10	<1
5085	0.1	80	<1	9	<1	56	<1	6	9	<1
5086	<0.1	40	<1	14	<1	141	<1	11	15	<1
5087	0.5	170	<1	60	<1	138	<1	27	38	<1
5088	2.1	490	<1	18	<1	358	<1	36	18	<1
5089	2.5	260	<1	13	<1	199	<1	30	10	2
5090	2.5	590	<1	10	<1	421	<1	38	10	<1
5091	5.7	430	<1	11	<1	398	<1	35	9	1
5092	0.7	490	<1	63	<1	381	<1	75	56	<1
5093	2.4	270	<1	13	<1	349	<1	38	11	<1
5094	9.6	490	<1	8	<1	345	<1	32	7	2
5095	1.8	540	<1	7	<1	385	<1	35	6	<1
5096	5.0	290	<1	21	<1	283	<1	42	17	2
5097	6.7	330	<1	19	<1	232	<1	39	16	7
5098	5.2	260	<1	65	<1	160	<1	50	45	12
5099	0.7	740	<1	25	<1	223	<1	45	24	<1
5100	3.4	400	<1	6	<1	111	<1	20	6	5
*Rep 5033	0.3	40	<1	63	<1	90	<1	15	43	<1
*Rep 5039	1.8	470	<1	103	<1	295	<1	79	87	1
*Rep 5053	0.2	20	<1	24	<1	152	<1	9	21	<1
*Rep 5073	1.6	240	<1	57	<1	43	<1	26	32	<1
*Rep 5089	2.3	390	<1	20	<1	243	<1	45	18	1
*Rep 5091	5.0	400	<1	15	<1	407	<1	38	13	1
*Std MMISRM16	0.3	70	31	2	<1	332	<1	7	4	<1
*Std AMIS0169	3.4	120	<1	103	<1	249	<1	65	65	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
5026	520	<1	3	<10	23.5	19	<0.5	59	<1	112
5027	610	<1	1	<10	5.7	8	<0.5	3	<1	37
5028	840	<1	1	<10	12.5	46	<0.5	12	<1	39
5029	730	<1	2	<10	14.7	163	<0.5	18	2	63
5030	190	<1	4	<10	44.2	1980	0.6	6	<1	143
5031	530	<1	9	<10	116	170	0.8	9	<1	234
5032	560	1	12	<10	113	3290	0.6	14	1	330
5033	450	<1	7	<10	101	292	0.6	12	<1	167
5034	660	<1	8	<10	61.6	53	<0.5	11	<1	239
5035	770	<1	2	<10	20.0	100	<0.5	9	<1	60
5036	780	<1	4	<10	22.3	36	<0.5	8	<1	129
5037	230	<1	3	<10	32.6	37	<0.5	74	<1	67
5038	130	2	5	<10	82.9	5470	<0.5	14	1	109
5039	290	1	16	<10	115	4330	1.1	11	2	416
5040	460	<1	7	<10	80.2	961	0.5	9	<1	170
5041	490	<1	4	<10	20.7	378	<0.5	7	<1	221
5042	800	<1	14	<10	138	506	0.6	113	<1	460
5043	710	<1	4	<10	92.5	282	<0.5	31	<1	85
5044	280	<1	16	<10	126	2180	0.7	11	1	438
5045	440	<1	2	<10	36.1	199	0.7	3	<1	58
5046	840	<1	5	<10	118	433	<0.5	23	2	111
5047	90	1	6	<10	135	3920	0.8	9	2	147
5048	170	1	24	<10	115	3830	0.7	12	2	617
5049	560	<1	6	<10	31.6	215	<0.5	7	<1	136
5050	560	<1	14	<10	119	171	<0.5	28	<1	359
5051	690	<1	4	<10	32.7	54	<0.5	9	<1	98
5052	410	<1	2	<10	17.1	33	<0.5	15	<1	56
5053	360	<1	3	<10	38.0	42	<0.5	13	<1	59
5054	320	<1	7	<10	109	555	1.0	22	<1	149
5055	530	<1	1	<10	20.1	102	0.6	1	<1	39
5056	520	<1	5	<10	107	110	0.5	12	<1	100
5057	570	<1	3	<10	36.6	36	<0.5	16	<1	62
5058	870	<1	4	<10	23.3	36	0.5	83	<1	151
5059	510	<1	4	<10	46.4	29	<0.5	37	<1	95
5060	540	<1	2	<10	15.6	40	0.5	4	<1	42
5061	660	<1	<1	<10	4.7	6	<0.5	1	<1	30
5062	590	<1	5	<10	118	332	1.2	8	1	123
5063	640	<1	4	<10	78.2	194	<0.5	151	1	120
5064	680	<1	4	<10	72.0	823	0.6	103	<1	130
5065	810	<1	5	<10	130	876	0.6	31	1	94
5066	1020	<1	8	<10	122	334	<0.5	13	1	204
5067	580	<1	2	<10	40.1	229	0.6	31	<1	94
5068	820	<1	2	<10	14.1	181	<0.5	2	<1	45

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
5069	410	<1	11	<10	202	916	0.7	15	1	261
5070	1230	<1	2	<10	24.5	141	<0.5	3	<1	43
5071	2370	<1	4	<10	63.2	94	<0.5	57	<1	98
5072	670	<1	<1	<10	6.5	7	<0.5	2	<1	18
5073	510	<1	3	<10	64.5	419	<0.5	36	<1	58
5074	1250	<1	2	<10	11.4	91	<0.5	6	<1	55
5075	1680	<1	1	<10	9.0	72	<0.5	1	<1	35
5076	1530	<1	1	<10	20.2	35	<0.5	53	<1	38
5077	660	<1	<1	<10	16.1	37	<0.5	4	<1	24
5078	680	<1	1	<10	32.2	67	<0.5	28	1	28
5079	690	<1	2	<10	42.5	83	<0.5	32	<1	50
5080	600	<1	2	<10	50.3	31	<0.5	15	<1	35
5081	690	<1	4	<10	57.1	79	<0.5	17	<1	103
5082	510	<1	5	<10	54.0	65	<0.5	164	<1	108
5083	480	<1	2	<10	26.3	55	<0.5	6	<1	41
5084	640	<1	2	<10	29.2	41	<0.5	24	<1	40
5085	540	<1	1	<10	31.2	65	<0.5	10	<1	34
5086	800	<1	3	<10	41.9	49	<0.5	17	<1	64
5087	410	<1	5	<10	85.0	294	<0.5	193	<1	113
5088	60	<1	4	<10	26.2	1270	0.7	6	<1	107
5089	30	<1	2	<10	16.8	2590	<0.5	4	<1	55
5090	40	<1	2	<10	46.4	1920	0.7	6	<1	91
5091	50	<1	2	<10	75.1	2220	0.8	6	<1	47
5092	50	<1	10	<10	21.6	1200	0.8	6	<1	382
5093	40	<1	2	<10	31.7	1810	0.6	6	<1	48
5094	70	1	1	<10	48.2	4040	0.8	7	1	37
5095	30	<1	1	<10	23.0	1350	0.8	5	<1	45
5096	50	1	3	<10	47.2	3980	0.9	9	1	63
5097	90	4	2	<10	45.1	11200	0.7	7	2	58
5098	60	3	6	<10	36.5	10000	0.7	9	2	140
5099	100	<1	6	<10	35.2	911	0.8	4	<1	183
5100	20	1	<1	<10	13.9	4050	<0.5	4	<1	21
*Rep 5033	500	<1	5	<10	73.1	130	0.6	10	<1	106
*Rep 5039	220	1	13	<10	103	4080	1.2	10	2	348
*Rep 5053	380	<1	3	<10	41.5	65	<0.5	15	<1	58
*Rep 5073	520	<1	4	<10	70.9	506	0.5	35	<1	64
*Rep 5089	20	<1	3	<10	17.1	2970	<0.5	5	<1	114
*Rep 5091	60	<1	2	<10	78.0	2260	0.7	7	<1	60
*Std MMISRM16	500	<1	<1	<10	21.1	29	<0.5	49	<1	9
*Std AMISO169	80	<1	8	<10	86.1	569	1.3	28	2	130
*Bik BLANK	<10	<1	<1	<10	<0.5	5	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
5026	11	60	20
5027	3	40	8
5028	5	80	14
5029	7	30	24
5030	12	1140	66
5031	21	110	98
5032	28	30	163
5033	14	120	73
5034	23	270	59
5035	6	30	25
5036	11	30	13
5037	5	<20	22
5038	9	170	137
5039	29	290	238
5040	13	710	89
5041	24	840	25
5042	41	630	112
5043	9	200	67
5044	29	470	143
5045	5	50	46
5046	11	60	129
5047	13	90	197
5048	40	410	170
5049	9	70	27
5050	36	280	108
5051	7	50	29
5052	4	550	16
5053	4	290	23
5054	13	220	91
5055	4	50	42
5056	10	350	75
5057	5	200	29
5058	13	40	17
5059	9	170	23
5060	4	50	24
5061	3	70	12
5062	12	30	135
5063	13	110	66
5064	15	640	103
5065	9	160	135
5066	20	40	105
5067	12	310	54
5068	4	70	31

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Final : TO111764 Order: EXPL-007

Page 13 of 13

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
5069	26	1220	252
5070	4	70	40
5071	11	220	49
5072	1	30	10
5073	5	110	46
5074	6	140	11
5075	4	60	10
5076	4	90	13
5077	2	<20	24
5078	2	40	12
5079	5	60	31
5080	3	100	23
5081	10	200	39
5082	10	40	35
5083	4	70	37
5084	5	140	16
5085	4	60	22
5086	7	80	23
5087	11	40	70
5088	8	120	45
5089	5	50	49
5090	8	1040	81
5091	4	570	127
5092	25	220	40
5093	4	180	72
5094	4	370	108
5095	5	220	52
5096	6	220	101
5097	5	180	174
5098	9	80	145
5099	15	110	61
5100	2	80	49
*Rep 5033	9	50	52
*Rep 5039	23	370	217
*Rep 5053	4	350	25
*Rep 5073	6	110	58
*Rep 5089	9	50	53
*Rep 5091	5	610	129
*Std MMISRM16	<1	250	18
*Std AMIS0169	11	240	58
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO111761

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Sep 25, 2010

P.O. No. : EXPL-007
Project No. : -
No. Of Samples : 75
Date Submitted : Sep 03, 2010
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4876	7	105	10	0.3	1940	<1	380	7	278	65
4877	9	120	10	0.2	1660	<1	400	9	632	63
4878	14	18	<10	<0.1	1420	<1	320	6	33	199
4879	6	12	90	0.2	2010	<1	290	3	343	26
4880	8	31	10	0.2	1580	<1	370	5	197	34
4881	9	35	<10	0.2	1040	<1	330	4	81	93
4882	9	93	<10	0.1	1320	<1	390	14	410	92
4883	14	76	10	0.2	1820	<1	350	7	210	66
4884	13	62	20	0.2	1880	<1	410	9	201	75
4885	10	26	20	0.3	2140	<1	330	9	144	67
4886	2	293	<10	<0.1	430	<1	30	34	132	56
4887	2	189	20	<0.1	600	1	40	40	48	28
4888	6	>300	40	<0.1	370	1	10	29	76	25
4889	5	243	<10	0.1	490	<1	<10	19	80	26
4890	3	189	<10	<0.1	610	<1	<10	13	274	43
4891	2	>300	40	<0.1	780	2	<10	11	49	13
4892	4	197	<10	0.1	1330	<1	20	8	239	29
4893	2	>300	30	<0.1	1920	<1	<10	17	276	58
4894	2	36	<10	<0.1	60	<1	<10	15	105	14
4895	2	134	<10	<0.1	460	<1	<10	9	431	25
4896	3	111	<10	<0.1	330	<1	<10	15	181	17
4897	1	296	<10	<0.1	1400	<1	<10	7	116	20
4898	1	130	<10	<0.1	1010	<1	130	4	476	28
4899	<1	>300	20	<0.1	230	<1	<10	6	43	13
4900	<1	272	<10	<0.1	190	<1	<10	1	22	14
4901	6	242	<10	0.2	920	<1	30	19	77	56
4902	2	240	<10	<0.1	250	<1	10	9	88	12
4903	5	274	<10	<0.1	780	<1	<10	4	22	25
4904	1	>300	<10	<0.1	740	<1	<10	5	178	22
4905	2	287	<10	<0.1	520	<1	20	11	37	38
4906	2	>300	<10	<0.1	740	<1	10	12	70	20
4907	5	>300	<10	<0.1	1350	<1	<10	12	123	37
4908	2	>300	10	<0.1	660	<1	<10	8	53	17
4909	7	265	<10	0.2	850	<1	<10	6	345	32
4910	2	>300	<10	0.1	830	<1	30	27	78	54
4911	6	296	<10	0.2	1330	<1	60	14	125	50
4912	3	255	10	0.2	1350	<1	60	13	120	50
4913	6	144	<10	0.8	1310	<1	230	39	222	48
4914	8	>300	10	0.3	890	1	40	22	69	38
4915	2	>300	30	<0.1	1670	<1	30	23	96	46
4916	2	>300	10	<0.1	860	<1	<10	9	130	23
4917	5	>300	10	0.1	2060	<1	40	4	779	36
4918	8	246	20	0.4	1280	<1	90	20	94	54

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
4919	14	277	20	0.3	1180	<1	120	9	142	33
4920	7	91	<10	0.8	690	<1	530	25	27	13
4921	20	49	<10	1.6	950	<1	400	6	136	106
4922	16	80	<10	1.0	730	<1	470	16	42	19
4923	4	287	10	<0.1	910	<1	10	5	65	54
4924	8	285	<10	<0.1	1080	<1	<10	26	58	100
4925	11	286	<10	<0.1	1020	<1	<10	33	56	107
4926	4	>300	20	<0.1	1120	<1	20	14	53	41
4927	4	254	20	0.1	1620	1	60	6	691	126
4928	2	100	10	0.1	1180	<1	370	9	630	241
4929	5	42	<10	0.2	910	<1	340	5	222	28
4930	9	165	<10	0.1	1230	4	280	15	557	61
4931	13	90	<10	0.2	2240	<1	430	13	500	61
4932	15	>300	10	<0.1	640	<1	20	15	86	80
4933	16	>300	20	<0.1	820	1	10	18	67	57
4934	3	235	20	<0.1	800	2	90	51	47	40
4935	4	296	<10	<0.1	880	<1	20	25	165	77
4936	3	299	10	<0.1	910	1	20	23	217	75
4937	2	276	<10	<0.1	810	<1	20	6	26	81
4938	12	56	20	0.3	1850	<1	400	8	527	60
4939	4	13	<10	0.3	1320	<1	260	2	10	31
4940	6	64	<10	0.2	1370	<1	370	9	142	19
4941	5	17	<10	0.2	1410	<1	310	5	8	30
4942	9	23	10	0.6	1700	<1	350	7	555	55
4943	9	48	<10	0.3	1310	<1	500	5	66	27
4944	2	166	<10	0.1	980	<1	310	20	465	30
4945	2	106	<10	0.3	1060	<1	410	6	159	17
4946	2	77	<10	0.2	1380	<1	360	4	79	<5
4947	10	46	<10	0.3	1570	<1	380	8	709	215
4948	18	52	<10	0.2	1190	<1	330	10	182	103
4949	6	26	<10	0.2	1560	<1	380	4	21	12
4950	16	69	<10	1.0	1440	<1	370	13	315	98
*Rep 4877	11	90	10	0.4	2610	<1	420	6	503	59
*Rep 4890	3	208	<10	0.1	640	<1	<10	13	238	44
*Rep 4911	6	282	<10	0.2	1390	<1	70	16	130	54
*Rep 4915	2	>300	30	<0.1	1740	<1	30	21	100	49
*Rep 4939	4	11	<10	0.3	1450	<1	240	2	8	19
*Rep 4949	7	29	<10	0.2	1600	<1	370	5	23	15
*Std MMISRM16	22	52	20	29.6	60	<1	230	5	15	72
*Std AMIS0169	10	79	20	0.4	780	<1	50	2	848	149
*Blk BLANK	<1	1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4876	200	6.1	4520	19	10.2	7.0	83	27	27	<1
4877	200	5.0	3030	29	16.0	10.6	98	23	38	<1
4878	<100	<0.5	1090	5	2.9	1.5	3	<1	7	<1
4879	<100	1.0	3360	18	9.2	7.2	38	3	28	<1
4880	<100	0.9	5060	17	9.1	5.3	41	3	23	<1
4881	<100	<0.5	2890	7	4.0	2.0	40	2	9	<1
4882	<100	0.9	1150	23	12.4	8.0	46	4	32	<1
4883	100	4.0	5760	16	9.3	5.2	74	17	22	<1
4884	<100	3.0	5180	13	7.7	4.7	64	12	19	<1
4885	<100	1.1	5390	12	6.2	3.9	37	3	16	<1
4886	<100	5.1	170	26	14.2	5.1	91	22	20	<1
4887	200	1.7	120	5	2.3	1.5	46	38	4	<1
4888	200	3.9	190	8	4.4	2.8	161	95	9	<1
4889	<100	3.6	130	12	6.5	3.6	105	47	11	<1
4890	<100	5.1	210	37	20.2	9.6	88	22	39	<1
4891	200	4.6	110	4	2.4	1.8	95	98	5	<1
4892	<100	4.7	370	150	73.5	40.5	12	10	171	<1
4893	200	6.7	390	24	10.3	8.1	60	14	26	<1
4894	<100	10.1	200	26	14.5	9.8	5	9	34	<1
4895	<100	7.2	200	48	19.6	19.9	11	7	68	<1
4896	<100	11.0	80	31	16.1	11.9	10	9	40	<1
4897	<100	9.3	210	12	7.2	3.2	50	9	10	<1
4898	<100	7.2	280	32	15.7	14.5	38	9	52	<1
4899	200	2.1	40	3	2.0	1.2	56	59	3	<1
4900	<100	6.9	30	1	0.7	0.6	159	59	2	<1
4901	<100	6.3	190	16	7.7	2.9	77	12	11	<1
4902	<100	6.2	160	12	6.0	2.7	84	16	10	<1
4903	<100	3.1	60	2	3.4	<0.5	132	10	1	<1
4904	200	6.4	130	12	6.4	3.5	136	14	12	<1
4905	<100	1.3	140	3	3.5	0.7	165	15	3	<1
4906	100	8.9	90	7	4.6	1.8	106	13	6	<1
4907	100	7.9	230	18	10.1	3.6	66	12	12	<1
4908	<100	5.7	70	5	3.4	1.9	68	36	5	<1
4909	100	6.6	210	61	28.6	15.0	91	27	64	<1
4910	<100	3.0	140	7	4.2	1.7	146	20	5	<1
4911	100	7.0	250	14	6.2	3.1	113	8	11	<1
4912	100	4.0	120	16	9.6	2.7	180	30	11	<1
4913	<100	4.6	350	28	15.6	6.7	83	7	29	<1
4914	200	6.7	310	10	6.2	1.9	137	23	7	<1
4915	300	4.3	250	7	3.8	3.0	243	130	7	<1
4916	200	4.5	100	11	6.4	3.3	132	38	10	<1
4917	100	4.8	560	52	21.9	12.9	62	16	53	<1
4918	200	5.2	160	12	6.8	2.9	261	35	11	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
4919	200	2.9	160	15	8.2	4.4	189	48	17	<1
4920	<100	0.7	230	3	1.2	0.9	27	9	3	<1
4921	<100	0.9	1550	12	5.7	4.4	14	2	18	<1
4922	<100	2.0	450	5	2.2	1.9	9	1	7	<1
4923	100	5.8	80	4	3.6	1.0	200	18	4	<1
4924	100	4.2	80	7	4.9	1.2	147	20	4	<1
4925	100	5.2	80	8	5.3	1.4	128	19	4	<1
4926	200	4.7	120	4	2.5	1.3	268	51	4	<1
4927	200	2.5	550	101	64.0	15.0	323	21	67	<1
4928	200	1.1	1180	15	7.5	5.5	132	6	21	<1
4929	<100	<0.5	510	13	6.8	5.0	28	3	21	<1
4930	100	6.5	3330	42	23.6	10.2	159	7	43	<1
4931	100	5.7	6020	24	13.0	8.0	24	5	32	<1
4932	100	1.5	230	7	4.7	1.5	199	27	5	<1
4933	200	3.3	160	7	5.5	1.6	223	48	6	<1
4934	200	3.4	200	6	3.5	1.8	152	49	6	<1
4935	<100	8.9	170	18	10.4	4.0	109	13	14	<1
4936	200	2.5	210	14	10.9	3.1	204	27	11	<1
4937	<100	1.9	80	2	2.2	<0.5	171	12	<1	<1
4938	100	0.9	2630	23	11.3	9.1	46	5	34	<1
4939	<100	<0.5	410	6	2.7	1.6	2	<1	8	<1
4940	<100	1.0	450	16	7.5	5.6	16	2	24	<1
4941	<100	<0.5	780	6	3.4	1.6	3	<1	8	<1
4942	<100	0.5	2580	27	14.0	10.4	38	4	43	<1
4943	<100	0.6	780	15	8.0	4.2	13	3	19	<1
4944	<100	3.0	430	52	27.6	12.5	41	6	53	<1
4945	<100	1.3	460	19	9.8	5.6	17	3	24	<1
4946	<100	2.5	130	5	2.4	2.2	10	2	8	<1
4947	<100	1.1	1510	18	9.7	7.3	77	6	27	<1
4948	<100	0.8	3020	13	6.8	4.2	59	4	18	<1
4949	<100	0.5	450	6	3.5	1.9	8	2	8	<1
4950	<100	1.2	3960	24	12.7	8.0	31	4	33	<1
*Rep 4877	200	5.0	4300	29	15.9	11.1	82	23	41	<1
*Rep 4890	<100	4.6	200	36	19.7	9.0	89	25	38	<1
*Rep 4911	100	6.8	240	16	7.7	3.3	119	9	13	<1
*Rep 4915	300	4.3	260	7	3.5	3.1	260	135	7	<1
*Rep 4939	<100	<0.5	380	5	2.3	1.6	2	<1	8	<1
*Rep 4949	<100	0.7	470	6	3.5	1.7	9	3	8	<1
*Std MMISRM16	<100	12.5	750	3	1.0	1.1	2	<1	4	10
*Std AMISO169	100	9.3	5280	38	16.1	15.3	54	18	59	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4876	<0.5	45.8	125	82	52	2950	35	16.4	170	161
4877	<0.5	31.1	270	68	55	1700	8	18.0	287	168
4878	<0.5	24.3	5	55	71	11700	<5	<0.5	14	140
4879	<0.5	11.9	146	10	20	1220	49	9.6	186	46
4880	<0.5	16.9	81	11	55	2070	50	4.0	128	92
4881	<0.5	24.0	29	33	48	8560	23	1.2	53	164
4882	<0.5	6.6	182	6	78	2870	<5	7.1	198	113
4883	<0.5	39.0	96	58	50	5520	29	11.6	125	141
4884	<0.5	43.5	85	88	55	1530	144	8.8	119	350
4885	<0.5	37.1	53	38	57	1930	68	2.5	88	324
4886	<0.5	13.0	59	<5	9	130	<5	3.9	81	101
4887	<0.5	10.8	27	<5	6	170	<5	14.5	23	88
4888	<0.5	9.0	35	6	4	410	<5	17.0	35	45
4889	<0.5	13.4	34	<5	2	470	<5	12.0	41	52
4890	<0.5	6.5	86	<5	3	740	<5	13.9	155	46
4891	<0.5	13.1	27	16	4	570	<5	21.2	23	32
4892	<0.5	16.9	363	<5	4	400	<5	3.1	779	25
4893	<0.5	6.9	86	<5	1	620	<5	9.1	116	64
4894	<0.5	8.7	36	<5	<1	340	5	<0.5	133	31
4895	<0.5	6.5	130	<5	<1	420	<5	<0.5	299	39
4896	<0.5	4.6	79	<5	<1	600	<5	<0.5	171	21
4897	<0.5	7.8	50	<5	<1	400	<5	3.2	48	27
4898	<0.5	18.6	151	<5	12	480	<5	4.3	271	26
4899	<0.5	7.5	22	<5	<1	20	<5	10.1	18	35
4900	<0.5	6.1	12	<5	<1	10	<5	3.8	9	140
4901	<0.5	29.1	31	<5	5	440	<5	4.7	40	106
4902	<0.5	11.5	31	<5	1	380	<5	4.2	37	83
4903	<0.5	10.2	8	<5	4	40	<5	3.8	7	79
4904	<0.5	15.4	70	<5	2	160	<5	7.6	63	74
4905	<0.5	14.7	15	9	7	170	<5	5.2	13	129
4906	<0.5	14.7	29	<5	5	250	<5	4.9	29	82
4907	<0.5	20.0	45	<5	1	570	<5	5.9	51	40
4908	<0.5	14.8	27	<5	3	240	<5	3.7	26	40
4909	<0.5	22.0	145	<5	3	1090	<5	16.9	238	44
4910	<0.5	14.9	33	<5	10	670	<5	5.8	27	114
4911	<0.5	28.5	46	<5	13	3110	<5	5.1	50	92
4912	<0.5	27.4	35	7	31	1450	<5	14.3	42	79
4913	<0.5	56.4	83	<5	77	3210	<5	5.1	113	105
4914	<0.5	31.1	30	7	13	1300	<5	10.1	31	96
4915	<0.5	14.0	52	8	5	3020	<5	22.3	39	86
4916	<0.5	13.6	65	<5	2	180	<5	10.9	56	71
4917	<0.5	13.7	236	6	7	1150	<5	19.7	234	43
4918	<0.5	26.0	48	6	20	6280	<5	14.4	49	142

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
4919	<0.5	30.3	89	17	46	3090	<5	23.6	81	157
4920	<0.5	33.2	15	<5	70	3110	<5	5.5	18	116
4921	<0.5	20.0	57	<5	27	8340	9	0.9	95	55
4922	<0.5	19.0	24	<5	119	970	<5	0.8	34	69
4923	<0.5	29.1	23	6	5	130	<5	9.1	20	124
4924	<0.5	23.5	23	6	3	1060	<5	8.7	19	170
4925	<0.5	24.5	22	6	3	1140	<5	7.3	19	195
4926	<0.5	21.7	29	12	4	220	<5	19.7	21	97
4927	<0.5	12.3	377	24	32	4390	<5	22.6	362	199
4928	<0.5	12.1	149	<5	78	18600	6	12.6	167	144
4929	<0.5	13.3	115	<5	67	1060	<5	6.3	131	74
4930	<0.5	11.6	243	9	21	2060	12	14.0	251	143
4931	<0.5	9.8	210	6	101	1830	23	8.8	221	95
4932	<0.5	16.9	37	<5	6	90	<5	9.4	28	193
4933	<0.5	26.4	29	11	4	250	<5	22.7	27	124
4934	0.6	15.5	22	<5	9	1540	<5	20.1	24	113
4935	<0.5	17.8	64	<5	3	580	<5	6.0	74	152
4936	<0.5	12.2	102	12	7	100	<5	14.4	80	339
4937	<0.5	23.6	8	13	10	90	<5	6.2	6	128
4938	<0.5	16.4	225	7	66	6650	19	6.9	270	145
4939	<0.5	28.6	5	54	98	1280	10	<0.5	17	49
4940	<0.5	11.8	87	10	61	630	<5	1.2	128	147
4941	<0.5	29.9	5	57	104	2130	6	<0.5	16	61
4942	<0.5	17.4	223	7	74	3380	5	1.2	296	51
4943	<0.5	18.1	44	7	104	760	<5	1.5	77	68
4944	<0.5	15.4	186	<5	45	1310	<5	2.8	249	168
4945	<0.5	14.2	82	<5	78	180	<5	1.0	124	82
4946	<0.5	17.4	24	<5	65	160	<5	<0.5	38	54
4947	<0.5	27.0	173	9	61	19200	11	3.0	243	160
4948	<0.5	30.8	72	7	46	7780	25	5.4	110	157
4949	<0.5	30.8	13	42	94	1120	<5	0.9	24	61
4950	<0.5	22.9	137	11	63	4480	54	2.8	207	224
*Rep 4877	<0.5	31.4	220	69	58	1160	10	16.3	279	149
*Rep 4890	<0.5	7.3	76	<5	4	620	<5	16.9	140	46
*Rep 4911	<0.5	32.6	50	<5	17	3830	<5	5.3	56	108
*Rep 4915	<0.5	14.1	54	8	4	3180	<5	23.4	40	93
*Rep 4939	<0.5	28.3	4	53	96	1140	10	<0.5	15	40
*Rep 4949	<0.5	31.1	12	43	96	1090	<5	1.3	24	65
*Std MMISRM16	<0.5	43.3	3	<5	34	110	55	<0.5	13	253
*Std AMISO169	<0.5	49.8	523	<5	37	4400	5	4.4	502	581
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	0.2	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4876	1.4	510	<1	40	<1	268	3	97	30	2
4877	1.0	430	<1	73	<1	192	2	90	46	1
4878	<0.1	120	<1	2	<1	39	<1	<5	5	<1
4879	1.0	440	<1	44	<1	127	2	9	33	<1
4880	0.3	490	<1	28	<1	96	3	10	23	<1
4881	0.2	180	<1	11	<1	14	1	5	9	<1
4882	0.7	120	<1	49	<1	77	<1	22	36	<1
4883	0.8	380	<1	34	<1	205	2	63	23	<1
4884	0.7	530	<1	29	<1	127	2	44	21	<1
4885	0.3	710	<1	19	<1	74	3	10	17	<1
4886	2.2	390	<1	18	<1	116	<1	27	18	<1
4887	8.5	190	<1	6	<1	60	<1	22	5	8
4888	14.3	480	<1	8	<1	102	2	32	8	5
4889	3.7	400	<1	9	<1	137	1	41	11	2
4890	2.2	600	<1	30	<1	128	<1	49	36	1
4891	11.9	260	<1	6	<1	106	<1	31	5	13
4892	0.9	320	<1	156	<1	156	<1	109	170	<1
4893	4.8	530	<1	28	<1	163	2	63	29	1
4894	0.1	350	<1	23	<1	86	<1	45	33	<1
4895	0.3	340	<1	61	<1	131	<1	59	75	<1
4896	0.1	390	<1	34	<1	118	<1	43	41	<1
4897	1.3	440	<1	12	<1	174	<1	36	10	<1
4898	0.4	100	<1	56	<1	247	<1	47	58	<1
4899	4.0	30	<1	5	<1	58	<1	20	4	<1
4900	2.4	30	<1	3	<1	58	<1	9	2	<1
4901	1.2	340	<1	9	<1	304	<1	32	10	<1
4902	1.5	240	<1	9	<1	187	<1	32	9	<1
4903	2.0	90	<1	2	<1	211	<1	15	1	<1
4904	3.4	130	<1	16	<1	205	<1	41	13	<1
4905	3.3	50	<1	3	<1	111	<1	18	2	<1
4906	2.6	130	<1	7	<1	234	<1	26	6	<1
4907	3.0	290	<1	13	<1	246	1	45	13	<1
4908	6.1	180	<1	7	<1	95	2	23	6	<1
4909	3.0	330	<1	49	<1	281	<1	85	60	2
4910	3.1	60	<1	7	<1	92	<1	23	6	<1
4911	3.5	270	<1	12	<1	285	<1	33	11	<1
4912	4.7	190	<1	10	<1	215	<1	39	10	2
4913	1.0	630	<1	25	<1	223	1	44	26	<1
4914	4.4	560	<1	8	<1	269	2	32	7	1
4915	30.0	380	<1	10	<1	230	2	41	8	4
4916	4.4	150	<1	14	<1	217	2	46	11	2
4917	3.4	360	<1	54	<1	260	<1	76	53	<1
4918	9.1	300	<1	12	<1	203	2	30	10	2

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
4919	7.7	450	<1	20	<1	124	2	41	17	4
4920	1.9	30	<1	4	<1	98	1	7	4	<1
4921	0.4	40	<1	20	<1	91	<1	6	19	<1
4922	0.4	20	<1	8	<1	183	<1	<5	8	<1
4923	4.6	60	<1	5	<1	357	<1	24	4	<1
4924	4.7	310	<1	5	<1	293	<1	31	4	<1
4925	3.8	330	<1	5	<1	330	<1	32	4	<1
4926	21.3	160	<1	6	<1	274	1	29	4	2
4927	3.9	340	<1	91	<1	136	<1	92	67	1
4928	1.6	50	<1	42	<1	149	<1	22	28	<1
4929	1.0	30	<1	31	<1	29	<1	10	25	<1
4930	1.1	520	<1	65	<1	157	1	66	46	<1
4931	0.5	610	<1	56	<1	179	4	26	38	<1
4932	5.6	40	<1	8	<1	90	<1	23	6	<1
4933	6.4	320	<1	6	<1	205	1	38	6	4
4934	17.5	650	<1	6	<1	146	<1	58	6	5
4935	2.0	270	<1	17	<1	224	<1	34	16	<1
4936	10.6	180	<1	22	<1	137	<1	44	14	2
4937	2.9	50	<1	2	<1	188	<1	18	1	<1
4938	0.8	250	<1	66	<1	60	<1	19	45	<1
4939	<0.1	60	<1	3	<1	112	<1	<5	6	<1
4940	0.4	20	<1	29	<1	81	<1	12	26	<1
4941	<0.1	50	<1	3	<1	34	<1	<5	5	<1
4942	0.3	230	<1	68	<1	77	1	8	49	<1
4943	0.2	30	<1	17	<1	59	<1	14	18	<1
4944	0.4	110	<1	60	<1	222	<1	47	54	<1
4945	0.2	40	<1	29	<1	160	<1	16	25	<1
4946	0.1	20	<1	8	<1	210	<1	<5	8	<1
4947	0.3	60	<1	60	<1	111	<1	21	39	<1
4948	1.2	150	<1	24	<1	36	<1	13	20	<1
4949	0.3	30	<1	5	<1	58	<1	10	6	<1
4950	0.8	410	<1	48	<1	98	<1	21	37	<1
*Rep 4877	1.0	390	<1	68	<1	204	2	80	48	2
*Rep 4890	2.2	490	<1	27	<1	123	<1	51	33	2
*Rep 4911	3.6	310	<1	14	<1	281	<1	33	13	<1
*Rep 4915	31.4	350	<1	11	<1	238	2	41	8	5
*Rep 4939	<0.1	60	<1	2	<1	107	<1	<5	5	<1
*Rep 4949	0.2	30	<1	5	<1	64	<1	11	6	<1
*Std MMISRM16	0.4	70	33	2	<1	335	<1	7	5	<1
*Std AMISO169	3.7	120	<1	129	<1	282	1	77	83	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4876	910	<1	4	<10	88.7	3170	1.3	129	2	99
4877	1420	<1	6	<10	113	2550	1.3	36	2	159
4878	600	<1	<1	<10	7.5	23	<0.5	15	<1	27
4879	530	<1	4	<10	86.1	782	1.2	14	1	89
4880	670	<1	3	<10	59.6	364	<0.5	65	1	84
4881	1140	<1	1	<10	45.5	95	<0.5	43	<1	37
4882	400	<1	5	<10	76.7	578	<0.5	30	<1	115
4883	570	<1	3	<10	80.7	2010	0.8	39	2	87
4884	940	<1	3	<10	55.5	1230	<0.5	103	2	70
4885	1560	<1	2	<10	59.6	313	<0.5	68	2	55
4886	250	<1	4	<10	21.8	1270	<0.5	7	<1	131
4887	140	1	<1	<10	23.7	4960	<0.5	4	<1	22
4888	40	1	1	<10	20.6	5450	<0.5	5	1	37
4889	20	<1	2	<10	13.1	3590	<0.5	5	<1	60
4890	50	<1	6	<10	20.5	4170	<0.5	5	<1	224
4891	120	2	<1	<10	17.4	7400	0.7	4	2	20
4892	90	<1	28	<10	20.0	996	0.6	7	<1	648
4893	40	<1	4	<10	71.9	2040	<0.5	9	<1	75
4894	<10	<1	5	<10	2.7	7	<0.5	6	<1	139
4895	<10	<1	10	<10	31.6	126	<0.5	8	<1	181
4896	<10	<1	6	<10	10.2	28	<0.5	6	<1	154
4897	20	<1	2	<10	19.0	882	0.6	5	<1	55
4898	120	<1	7	<10	30.2	1310	<0.5	7	<1	167
4899	40	<1	<1	<10	15.5	1880	<0.5	3	<1	12
4900	60	<1	<1	<10	6.9	782	<0.5	2	<1	5
4901	160	<1	2	<10	13.4	1340	<0.5	5	<1	73
4902	50	<1	2	<10	17.0	1190	<0.5	4	<1	58
4903	80	<1	<1	<10	8.0	843	0.5	2	<1	12
4904	40	<1	2	<10	33.4	1390	<0.5	5	<1	49
4905	120	<1	<1	<10	10.4	1380	<0.5	3	<1	15
4906	60	<1	1	<10	14.3	1160	<0.5	4	<1	33
4907	40	<1	3	<10	28.8	1380	0.5	6	<1	69
4908	60	<1	<1	<10	6.8	1040	<0.5	3	<1	24
4909	30	<1	11	<10	33.1	5710	0.5	7	1	289
4910	140	<1	1	<10	10.0	1400	<0.5	3	<1	28
4911	290	<1	2	<10	38.8	953	0.6	5	<1	57
4912	130	<1	2	<10	28.4	3990	<0.5	5	<1	83
4913	350	<1	5	<10	32.4	1200	<0.5	7	<1	144
4914	150	<1	1	<10	29.8	2750	<0.5	5	<1	46
4915	300	1	1	<10	24.8	5020	0.9	6	<1	30
4916	80	<1	2	<10	17.0	3270	<0.5	5	<1	49
4917	400	<1	9	<10	121	5220	0.8	12	2	210
4918	240	<1	2	<10	26.0	3320	<0.5	5	<1	65

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
4919	250	1	3	<10	37.2	7400	<0.5	7	1	87
4920	640	<1	<1	<10	7.4	1540	<0.5	4	<1	12
4921	550	<1	2	<10	19.4	39	0.8	9	<1	62
4922	490	<1	1	<10	10.9	87	<0.5	3	<1	24
4923	100	<1	<1	<10	22.7	1970	0.5	4	<1	18
4924	180	<1	<1	<10	15.4	2070	<0.5	5	<1	33
4925	180	<1	<1	<10	15.0	1810	<0.5	5	<1	36
4926	210	<1	<1	<10	13.0	3980	<0.5	4	<1	19
4927	300	1	14	<10	126	3600	0.7	9	2	571
4928	420	<1	3	<10	57.0	853	<0.5	9	<1	73
4929	460	<1	3	<10	46.8	676	<0.5	5	<1	69
4930	340	<1	7	<10	98.9	1220	0.5	48	1	211
4931	530	<1	5	<10	115	528	0.7	24	1	119
4932	120	<1	1	<10	13.1	2260	<0.5	3	<1	32
4933	100	1	1	<10	20.3	6890	<0.5	5	1	38
4934	280	<1	1	<10	23.7	6010	<0.5	6	1	31
4935	100	<1	3	<10	18.7	1340	0.5	4	<1	80
4936	120	<1	2	<10	48.5	3420	<0.5	10	<1	70
4937	170	<1	<1	<10	7.9	1580	<0.5	2	<1	8
4938	590	<1	5	<10	96.7	366	<0.5	40	1	105
4939	550	<1	1	<10	4.9	27	<0.5	12	<1	29
4940	520	<1	3	<10	35.6	110	<0.5	34	<1	76
4941	700	<1	1	<10	4.0	67	<0.5	16	<1	33
4942	620	<1	6	<10	51.5	116	0.5	16	<1	136
4943	690	<1	3	<10	19.8	215	<0.5	7	<1	70
4944	380	<1	9	<10	65.9	492	<0.5	28	<1	279
4945	670	<1	4	<10	52.8	53	<0.5	10	<1	87
4946	650	<1	1	<10	21.1	67	<0.5	7	<1	26
4947	810	<1	4	<10	79.9	237	<0.5	14	<1	89
4948	1080	<1	3	<10	38.9	636	<0.5	59	<1	67
4949	1580	<1	1	<10	9.7	247	<0.5	8	<1	29
4950	970	<1	5	<10	58.4	128	<0.5	107	1	130
*Rep 4877	1850	<1	6	<10	127	2480	1.3	32	2	145
*Rep 4890	50	<1	6	<10	23.4	5130	<0.5	5	<1	207
*Rep 4911	350	<1	3	<10	37.0	1070	0.5	5	<1	71
*Rep 4915	310	1	1	<10	24.2	5260	1.0	6	1	30
*Rep 4939	570	<1	<1	<10	3.8	37	<0.5	10	<1	26
*Rep 4949	1570	<1	1	<10	9.8	282	<0.5	8	<1	28
*Std MMISRM16	450	<1	<1	<10	19.0	53	<0.5	48	<1	9
*Std AMISO169	90	<1	9	<10	82.9	627	1.1	27	2	157
*Bik BLANK	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Final : TO111761 Order: EXPL-007

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4876	10	140	146
4877	14	100	154
4878	2	60	10
4879	8	<20	183
4880	8	20	94
4881	4	30	38
4882	11	30	111
4883	9	100	125
4884	7	70	65
4885	6	30	62
4886	10	310	23
4887	2	310	65
4888	4	350	94
4889	5	90	55
4890	15	130	68
4891	2	200	99
4892	52	40	64
4893	8	330	133
4894	12	90	6
4895	14	100	37
4896	13	150	15
4897	6	390	44
4898	12	30	43
4899	2	80	36
4900	1	<20	13
4901	5	710	37
4902	4	190	43
4903	4	220	25
4904	5	160	78
4905	3	400	29
4906	4	290	45
4907	8	440	69
4908	3	340	28
4909	20	220	103
4910	3	830	29
4911	4	1700	80
4912	7	580	88
4913	11	1010	59
4914	5	950	74
4915	3	540	71
4916	5	200	62
4917	14	80	263
4918	5	280	68

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Final : TO111761 Order: EXPL-007

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
4919	6	250	114
4920	1	860	20
4921	4	<20	21
4922	2	80	12
4923	4	190	61
4924	4	400	50
4925	4	390	49
4926	2	650	58
4927	49	880	262
4928	6	440	58
4929	6	80	77
4930	18	400	158
4931	10	90	132
4932	4	680	42
4933	5	280	107
4934	3	2270	80
4935	8	420	38
4936	10	460	93
4937	3	230	29
4938	10	50	138
4939	2	30	8
4940	6	100	45
4941	3	100	10
4942	12	<20	79
4943	7	160	35
4944	20	850	80
4945	8	550	43
4946	2	980	21
4947	9	60	80
4948	6	210	92
4949	3	110	21
4950	11	120	93
*Rep 4877	13	100	202
*Rep 4890	15	120	88
*Rep 4911	5	2030	74
*Rep 4915	3	550	73
*Rep 4939	2	30	6
*Rep 4949	3	130	22
*Std MMISRM16	<1	230	19
*Std AMIS0169	13	280	72
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110389

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jun 18, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 85
Date Submitted : Jun 07, 2010
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0351	5	15	<10	0.2	1340	<1	270	1	<5	12
0352	10	72	<10	0.2	1360	<1	350	9	372	107
0353	7	43	<10	1.1	2080	<1	430	4	72	12
0354	7	59	<10	0.2	860	<1	390	3	191	20
0355	3	10	<10	0.4	1460	<1	260	2	237	78
0356	14	46	<10	<0.1	1610	<1	490	8	192	38
0357	5	6	<10	0.2	1390	<1	220	3	16	115
0358	9	12	<10	<0.1	1610	<1	250	6	58	60
0359	7	12	<10	0.3	1380	<1	280	2	22	15
0360	3	117	<10	0.3	2560	<1	410	5	391	32
0361	2	45	<10	<0.1	490	<1	210	1	209	26
0362	9	12	<10	0.2	2140	<1	260	3	37	10
0363	2	>300	30	<0.1	1510	<1	<10	9	175	22
0364	1	263	70	<0.1	490	3	<10	6	126	18
0365	8	178	<10	0.1	3280	<1	420	13	525	86
0366	1	188	<10	<0.1	460	<1	160	5	261	40
0367	4	272	<10	<0.1	960	<1	40	9	91	102
0368	6	257	<10	<0.1	3220	<1	<10	34	161	55
0369	8	>300	20	<0.1	1510	<1	10	9	278	88
0370	5	268	<10	<0.1	2490	<1	40	30	456	91
0371	3	>300	10	<0.1	2770	<1	10	16	514	116
0372	3	267	10	<0.1	2150	<1	<10	11	786	83
0373	7	233	<10	<0.1	1590	<1	<10	5	78	69
0374	7	267	<10	<0.1	2570	<1	<10	9	161	69
0375	2	>300	<10	<0.1	3760	<1	<10	14	162	92
0376	2	254	<10	<0.1	2730	<1	<10	10	200	50
0377	5	270	<10	<0.1	4340	<1	20	9	140	100
0378	4	239	<10	<0.1	1890	<1	20	6	164	26
0379	10	260	<10	<0.1	2060	<1	<10	16	100	54
0380	3	260	20	<0.1	3210	<1	50	21	983	63
0381	7	28	<10	0.2	2050	<1	360	3	47	23
0382	7	39	<10	0.1	1360	<1	340	7	173	15
0383	8	12	<10	0.2	2440	<1	350	8	104	126
0384	12	31	<10	0.2	1660	<1	410	6	53	51
0385	6	26	<10	0.3	1420	<1	330	3	23	7
0386	2	153	20	<0.1	2130	<1	60	5	802	60
0387	2	295	<10	<0.1	1780	<1	10	3	522	37
0388	3	254	<10	<0.1	2940	<1	20	2	462	41
0389	5	286	<10	<0.1	3780	<1	10	3	696	18
0390	2	227	<10	<0.1	2030	<1	10	4	122	203
0391	4	262	<10	<0.1	2150	<1	20	19	349	43
0392	6	13	<10	0.2	1480	<1	290	2	<5	9
0393	19	86	<10	0.2	2100	<1	510	15	335	81

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0394	5	10	<10	0.5	860	<1	230	1	11	10
0395	5	36	<10	0.2	1580	<1	300	2	180	35
0396	5	17	<10	0.1	1290	<1	300	1	20	38
0397	3	118	<10	<0.1	1560	<1	190	16	499	38
0398	2	281	10	0.1	2160	<1	20	9	225	123
0399	2	172	<10	<0.1	1860	<1	110	7	682	36
0400	2	104	<10	<0.1	870	<1	190	3	107	99
0401	11	60	<10	0.1	3800	<1	360	6	910	77
0402	6	123	20	<0.1	3120	3	280	7	880	61
0403	7	80	<10	0.2	2490	<1	300	3	645	45
0404	4	123	10	0.2	4530	1	360	9	417	133
0405	8	40	<10	<0.1	2080	<1	370	8	627	199
0406	2	113	<10	<0.1	590	<1	180	8	264	60
0407	2	12	30	0.2	1720	<1	260	2	95	78
0408	8	10	<10	0.1	3290	<1	210	4	44	34
0409	8	17	<10	0.2	1600	<1	280	4	21	23
0410	8	9	<10	0.1	1790	<1	260	4	65	74
0411	8	18	<10	<0.1	2080	<1	320	8	34	164
0412	7	20	<10	<0.1	2070	<1	320	5	12	88
0413	13	11	<10	0.1	3090	<1	240	10	56	90
0414	4	298	20	0.2	2120	<1	10	9	299	51
0415	9	96	<10	<0.1	2410	<1	310	12	384	35
0416	6	27	<10	0.2	2890	<1	260	4	42	52
0417	2	101	<10	<0.1	460	<1	10	3	202	18
0418	5	12	30	0.1	2460	<1	230	2	47	155
0419	12	45	<10	0.1	3220	<1	380	7	605	94
0420	11	21	<10	0.2	4970	<1	380	8	109	36
0421	12	11	<10	0.3	2590	<1	290	2	167	29
0422	4	96	<10	<0.1	2340	<1	260	22	1670	67
0423	2	51	<10	0.2	1440	<1	250	2	83	16
0424	7	27	<10	0.2	2110	<1	240	4	1540	309
0425	11	79	<10	0.2	1260	<1	400	4	118	28
0426	4	96	<10	0.2	2450	<1	380	6	263	55
0427	6	69	<10	0.6	1140	<1	290	4	211	41
0428	4	126	<10	0.1	2240	<1	330	25	368	70
0429	1	217	40	<0.1	1050	4	20	12	123	17
0430	5	197	<10	0.1	2510	<1	60	<1	106	40
0431	5	267	<10	<0.1	2470	<1	<10	17	55	106
0432	3	255	20	<0.1	1730	<1	30	3	662	31
0433	10	224	<10	<0.1	2030	<1	50	8	114	102
0434	10	239	10	<0.1	2040	<1	80	4	232	76
0435	5	238	<10	<0.1	1790	<1	70	13	598	128
*Rep 0354	6	62	<10	0.2	720	<1	390	3	201	42

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
*Rep 0365	11	145	<10	0.1	3160	<1	440	9	519	98
*Rep 0385	6	16	<10	0.3	1230	<1	270	2	9	6
*Rep 0393	17	85	<10	0.2	1750	<1	510	13	267	59
*Rep 0408	8	10	<10	0.1	3870	<1	220	4	31	30
*Rep 0419	16	34	<10	0.1	3670	<1	460	12	502	104
*Rep 0435	5	236	<10	0.1	1610	<1	70	11	567	112
*Std MMISRM18	22	22	10	8.2	160	<1	180	77	21	61
*Std MMISRM16	17	42	20	26.1	70	<1	190	4	18	58
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0351	<100	<0.5	1330	11	7.2	2.2	5	10	13	2
0352	<100	<0.5	3680	15	9.0	5.1	37	10	24	<1
0353	<100	0.6	1200	19	11.9	4.9	11	15	25	4
0354	<100	1.0	610	23	11.5	6.6	15	12	35	<1
0355	<100	<0.5	2360	13	7.4	5.2	42	11	23	<1
0356	100	0.7	1110	21	11.9	5.6	19	11	29	<1
0357	<100	<0.5	620	3	1.6	0.9	4	10	5	1
0358	<100	0.5	1290	7	4.2	1.7	9	11	10	<1
0359	<100	0.6	380	8	4.5	2.1	6	10	11	<1
0360	<100	<0.5	680	83	58.9	16.5	29	19	86	1
0361	<100	3.7	260	6	2.3	2.8	8	4	11	<1
0362	<100	1.0	540	14	8.5	3.4	8	15	18	<1
0363	300	7.9	150	10	4.6	3.9	165	61	13	<1
0364	300	6.9	190	8	3.8	3.2	188	131	10	<1
0365	<100	1.0	3710	27	40.9	8.5	195	30	42	<1
0366	<100	2.7	60	17	7.8	5.6	58	11	23	<1
0367	<100	1.7	100	14	7.5	3.4	89	44	14	<1
0368	<100	4.9	240	11	6.3	2.0	68	33	9	<1
0369	200	8.1	240	13	5.3	3.9	192	77	15	<1
0370	<100	3.3	530	47	21.7	12.4	66	34	56	<1
0371	100	8.5	330	55	24.9	13.6	78	37	60	<1
0372	<100	6.6	260	92	39.4	24.1	66	30	109	<1
0373	<100	4.0	130	5	2.7	1.3	87	21	5	<1
0374	100	4.4	140	9	5.8	2.2	120	28	9	<1
0375	100	5.7	180	9	5.0	1.8	79	33	8	<1
0376	<100	5.6	190	19	9.7	3.6	60	28	16	<1
0377	<100	4.4	130	10	5.1	1.6	105	39	8	<1
0378	<100	6.0	110	20	9.2	4.5	80	25	19	<1
0379	<100	4.2	130	17	10.0	2.8	58	28	13	<1
0380	200	3.2	270	48	20.7	17.7	132	41	73	<1
0381	<100	<0.5	1250	17	10.6	4.1	10	14	23	2
0382	<100	<0.5	800	13	6.6	4.9	19	10	24	<1
0383	<100	<0.5	3510	12	8.1	2.9	17	17	16	<1
0384	<100	<0.5	1340	14	8.6	3.1	10	12	17	<1
0385	<100	0.8	440	15	7.4	5.2	8	10	23	2
0386	200	2.7	350	31	13.1	12.4	141	37	51	<1
0387	100	6.8	240	50	21.1	12.1	117	34	55	<1
0388	<100	4.3	340	59	26.0	13.2	94	33	61	<1
0389	100	3.0	110	51	22.4	14.5	81	42	64	<1
0390	100	3.1	230	6	3.3	1.6	229	34	7	<1
0391	<100	6.0	160	32	13.9	8.4	74	28	37	<1
0392	<100	0.5	510	6	3.2	1.6	6	11	9	1
0393	<100	0.7	3700	41	30.0	8.9	11	15	47	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0394	<100	<0.5	600	5	2.4	1.3	3	6	7	1
0395	<100	<0.5	570	31	16.8	9.5	10	11	46	<1
0396	<100	<0.5	600	11	6.5	2.5	7	9	13	<1
0397	<100	4.4	160	29	13.7	9.8	39	15	42	<1
0398	100	5.7	640	30	22.5	4.4	124	35	21	<1
0399	200	2.3	540	63	32.7	17.2	154	22	80	<1
0400	<100	4.3	810	7	3.9	2.0	271	11	9	<1
0401	100	3.4	4530	33	17.4	10.7	54	30	51	<1
0402	100	5.4	2230	32	16.9	11.6	57	24	51	<1
0403	100	1.0	1150	54	28.1	20.2	15	17	87	<1
0404	<100	3.6	6360	25	17.2	6.3	79	35	31	<1
0405	100	1.0	1970	29	16.7	9.9	65	15	46	<1
0406	100	4.8	490	18	8.9	6.7	35	14	28	<1
0407	<100	1.2	2100	7	4.1	2.3	15	12	11	<1
0408	<100	0.6	3400	7	4.4	1.6	17	22	9	<1
0409	<100	<0.5	620	7	3.9	1.8	6	11	10	<1
0410	<100	<0.5	2900	10	6.0	2.3	14	12	13	<1
0411	<100	<0.5	1520	5	3.3	0.9	7	14	6	<1
0412	<100	<0.5	1170	7	4.8	1.3	4	14	8	<1
0413	<100	<0.5	5750	14	9.0	2.7	12	21	17	<1
0414	200	7.0	220	27	12.5	8.6	101	40	35	<1
0415	<100	1.8	830	77	48.9	12.9	54	17	69	<1
0416	<100	0.6	4320	9	5.4	2.1	11	20	12	<1
0417	<100	3.6	120	14	6.6	6.4	71	61	23	<1
0418	<100	0.8	3340	12	7.0	2.9	8	17	15	<1
0419	<100	<0.5	4110	28	16.9	9.1	56	23	45	<1
0420	<100	1.0	9580	16	11.4	3.3	39	33	19	<1
0421	<100	<0.5	2720	12	7.6	3.6	52	18	18	<1
0422	100	2.3	2430	73	40.6	22.8	59	19	108	<1
0423	<100	1.8	310	9	3.8	4.0	8	11	16	<1
0424	100	0.9	2290	45	24.1	17.2	102	16	76	<1
0425	<100	1.1	710	15	9.9	4.2	19	10	21	<1
0426	100	1.0	700	47	31.8	9.9	25	18	49	<1
0427	<100	2.1	460	12	5.7	5.4	18	9	22	<1
0428	<100	2.1	2390	22	11.9	6.8	39	17	30	<1
0429	200	5.2	100	7	3.2	2.1	193	141	8	<1
0430	<100	6.2	660	17	28.9	2.1	109	29	10	<1
0431	<100	5.0	200	6	4.6	1.0	133	33	4	<1
0432	100	5.6	250	66	30.7	16.8	106	40	75	<1
0433	<100	4.3	560	33	17.2	4.0	81	29	22	<1
0434	100	2.8	170	25	11.9	5.6	125	40	26	<1
0435	<100	3.2	1240	95	46.4	20.9	80	26	98	<1
*Rep 0354	<100	1.1	750	23	11.9	6.5	18	10	34	<1

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
*Rep 0365	<100	3.0	3290	50	40.0	8.1	189	27	44	<1
*Rep 0385	<100	0.6	540	10	5.5	3.1	6	9	15	2
*Rep 0393	<100	0.6	2900	33	24.9	6.7	13	12	36	<1
*Rep 0408	<100	0.6	3930	6	4.0	1.2	17	26	7	<1
*Rep 0419	<100	<0.5	5160	27	16.3	8.5	37	24	42	<1
*Rep 0435	<100	3.4	1370	96	46.4	20.6	78	25	96	<1
*Std MMISRM18	<100	6.2	760	3	1.1	1.0	3	2	4	4
*Std MMISRM16	<100	11.2	620	3	1.2	1.2	2	2	5	17
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	1	2	<1
*Bik BLANK	<100	<0.5	<10	1	0.6	<0.5	<1	2	1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	1	1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0351	<0.5	18.2	4	16	107	160	<5	<0.5	27	28
0352	<0.5	24.3	157	18	66	19000	23	3.9	172	157
0353	<0.5	19.2	51	<5	114	350	<5	0.6	96	71
0354	<0.5	14.8	79	<5	109	300	<5	<0.5	148	79
0355	<0.5	14.6	87	<5	54	8310	<5	0.7	139	69
0356	<0.5	16.3	97	<5	157	260	<5	0.5	133	397
0357	<0.5	12.1	2	7	74	7230	<5	<0.5	12	146
0358	<0.5	16.3	16	25	74	1500	<5	0.8	32	83
0359	<0.5	13.0	8	7	97	190	<5	<0.5	27	40
0360	<0.5	15.5	288	<5	132	960	<5	1.1	352	96
0361	<0.5	10.2	59	7	26	3290	<5	<0.5	82	68
0362	<0.5	8.4	15	<5	126	160	<5	<0.5	45	47
0363	<0.5	10.5	89	9	2	470	<5	16.8	71	47
0364	<0.5	16.0	54	23	6	170	7	58.8	56	53
0365	<0.5	16.0	197	12	53	4030	7	5.7	269	174
0366	<0.5	2.2	93	<5	14	380	<5	3.9	123	137
0367	<0.5	14.2	35	7	18	1010	<5	13.8	55	230
0368	<0.5	13.1	48	5	2	2090	<5	6.3	43	103
0369	<0.5	21.6	133	25	6	3510	<5	23.6	89	65
0370	<0.5	18.9	156	11	21	1030	<5	8.6	285	198
0371	<0.5	14.8	163	20	9	510	<5	16.6	258	115
0372	<0.5	16.1	297	14	6	5340	<5	16.5	492	135
0373	<0.5	8.7	26	10	3	550	<5	7.0	26	117
0374	<0.5	14.0	41	6	2	610	<5	7.7	43	130
0375	<0.5	23.9	31	17	2	1210	<5	7.2	37	112
0376	<0.5	20.5	42	6	2	440	<5	7.1	62	98
0377	<0.5	18.0	29	13	7	2090	<5	6.5	33	164
0378	<0.5	19.3	47	12	6	360	<5	7.1	74	90
0379	<0.5	15.8	27	5	3	260	<5	7.1	46	71
0380	<0.5	10.8	367	8	10	1440	<5	13.5	428	75
0381	<0.5	16.7	23	<5	108	380	<5	<0.5	71	101
0382	<0.5	16.2	90	<5	62	170	<5	0.9	131	115
0383	<0.5	29.0	33	25	102	8050	<5	0.6	68	46
0384	<0.5	22.1	19	15	104	400	<5	<0.5	53	141
0385	<0.5	17.7	38	<5	115	170	<5	<0.5	87	50
0386	<0.5	16.3	305	8	10	3750	<5	25.1	329	62
0387	<0.5	25.7	205	23	9	490	<5	12.7	269	126
0388	<0.5	20.5	151	14	11	1280	<5	9.9	263	104
0389	<0.5	6.1	285	8	4	480	<5	11.5	340	86
0390	<0.5	15.1	40	11	11	1950	<5	15.2	39	153
0391	<0.5	11.6	103	16	12	610	<5	11.4	168	88
0392	<0.5	10.6	<1	<5	93	290	<5	<0.5	15	65
0393	<0.5	10.5	181	11	107	1120	<5	1.0	203	348

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0394	<0.5	7.7	3	6	96	760	<5	<0.5	19	32
0395	<0.5	8.3	122	<5	114	1670	<5	<0.5	200	69
0396	<0.5	12.4	12	<5	110	1040	<5	<0.5	39	66
0397	<0.5	18.7	166	<5	51	1860	<5	4.3	219	105
0398	<0.5	21.4	86	22	15	910	<5	16.6	102	167
0399	<0.5	16.0	316	8	37	810	<5	10.6	412	149
0400	<0.5	15.4	40	<5	51	2920	<5	7.2	52	181
0401	<0.5	15.5	365	19	46	970	8	11.4	367	140
0402	<0.5	11.1	410	15	33	1210	70	13.7	382	168
0403	<0.5	12.0	560	5	69	2970	<5	1.9	539	60
0404	<0.5	25.4	187	29	73	3150	86	6.3	187	207
0405	<0.5	14.8	268	7	67	4990	<5	2.5	317	287
0406	<0.5	3.1	112	19	11	770	5	11.1	160	129
0407	<0.5	18.8	38	21	35	760	130	2.2	59	382
0408	<0.5	21.0	18	13	58	2890	<5	<0.5	34	48
0409	<0.5	21.2	6	11	106	3850	<5	<0.5	25	130
0410	<0.5	28.0	20	22	99	6050	14	<0.5	48	56
0411	<0.5	24.8	7	35	93	22100	47	<0.5	20	144
0412	<0.5	25.8	3	35	120	1880	6	<0.5	19	71
0413	<0.5	36.7	17	27	93	1470	33	<0.5	47	221
0414	<0.5	13.5	174	15	7	560	<5	15.6	184	110
0415	<0.5	17.7	176	<5	77	1010	<5	<0.5	254	228
0416	<0.5	26.9	18	21	81	720	41	<0.5	40	186
0417	<0.5	4.7	59	8	3	130	5	15.0	121	22
0418	<0.5	21.6	12	21	101	2060	88	0.6	43	479
0419	<0.5	23.2	248	18	62	4280	<5	3.3	308	119
0420	<0.5	29.6	44	30	92	1520	27	2.5	78	199
0421	<0.5	24.2	70	26	48	1950	10	1.3	93	68
0422	<0.5	8.1	659	12	46	1440	<5	11.3	756	232
0423	<0.5	7.7	53	<5	60	30	<5	<0.5	87	11
0424	<0.5	13.1	633	12	49	13900	<5	6.8	649	88
0425	<0.5	8.7	80	7	75	450	<5	<0.5	109	129
0426	<0.5	13.3	170	<5	93	1170	<5	<0.5	212	160
0427	<0.5	11.6	130	<5	63	2260	<5	0.5	159	93
0428	<0.5	7.7	155	8	52	5870	<5	5.7	182	268
0429	<0.5	14.1	59	33	8	520	9	64.3	47	37
0430	<0.5	16.6	48	30	37	190	<5	4.6	54	166
0431	<0.5	16.7	19	20	6	1160	<5	10.1	19	120
0432	<0.5	10.7	196	20	14	490	<5	20.7	356	79
0433	<0.5	29.4	35	15	22	2370	<5	9.3	64	168
0434	<0.5	18.9	80	17	23	5890	<5	19.2	122	141
0435	<0.5	20.0	184	13	41	2020	<5	8.6	421	180
*Rep 0354	<0.5	15.5	82	<5	108	540	<5	<0.5	149	80

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
*Rep 0365	<0.5	16.9	145	19	51	3430	5	4.1	279	180
*Rep 0385	<0.5	15.9	17	<5	120	210	<5	<0.5	46	49
*Rep 0393	<0.5	9.9	122	10	109	890	<5	0.6	156	277
*Rep 0408	<0.5	22.9	11	14	64	2480	<5	<0.5	25	46
*Rep 0419	<0.5	26.4	196	20	81	4290	<5	1.6	271	98
*Rep 0435	<0.5	20.4	176	14	38	1810	<5	8.2	411	184
*Std MMISRM18	<0.5	26.4	6	<5	87	540	32	<0.5	18	520
*Std MMISRM16	<0.5	37.3	5	<5	30	50	50	<0.5	20	228
*Bik BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	<5
*Bik BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	2	6
*Bik BLANK	<0.5	<0.1	1	<5	2	<10	<5	<0.5	1	9

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0351	<0.1	30	<1	4	<1	64	<1	6	9	<1
0352	0.2	230	<1	43	<1	34	1	10	27	<1
0353	<0.1	30	<1	20	<1	117	<1	14	21	<1
0354	0.1	50	<1	30	<1	102	<1	9	31	<1
0355	0.2	130	<1	31	<1	57	<1	6	24	<1
0356	0.1	30	<1	30	<1	69	<1	12	26	<1
0357	0.1	40	<1	2	<1	40	<1	<5	4	<1
0358	0.2	60	<1	6	<1	49	<1	<5	8	<1
0359	0.1	20	<1	5	<1	94	<1	7	8	<1
0360	0.2	240	<1	82	<1	154	<1	63	74	<1
0361	0.2	<10	<1	19	<1	116	<1	9	14	<1
0362	0.2	10	<1	8	<1	91	<1	10	13	<1
0363	6.5	350	<1	19	<1	173	1	43	15	2
0364	14.5	440	<1	14	<1	134	1	49	11	25
0365	0.6	380	<1	42	<1	118	1	37	45	<1
0366	1.2	60	<1	30	<1	54	<1	14	25	<1
0367	1.9	260	<1	12	<1	125	<1	33	12	3
0368	3.9	330	<1	11	<1	381	<1	36	8	<1
0369	15.7	290	<1	25	<1	476	1	47	17	4
0370	2.2	460	<1	65	<1	267	<1	47	54	<1
0371	2.2	430	<1	58	<1	310	<1	79	55	2
0372	2.7	410	<1	110	<1	344	<1	89	104	1
0373	1.6	190	<1	6	<1	225	<1	27	6	<1
0374	3.3	190	<1	11	<1	311	<1	31	9	<1
0375	2.9	220	<1	9	<1	478	<1	26	8	<1
0376	1.5	320	<1	14	<1	360	<1	37	14	<1
0377	2.9	490	<1	8	<1	312	<1	25	8	<1
0378	1.1	350	<1	16	<1	331	<1	32	17	<1
0379	1.6	480	<1	10	<1	334	<1	34	11	<1
0380	4.1	420	<1	103	<1	192	<1	52	80	1
0381	0.1	20	<1	13	<1	41	<1	11	18	<1
0382	0.3	10	<1	30	<1	54	<1	7	24	<1
0383	<0.1	150	<1	14	<1	11	<1	<5	14	<1
0384	0.1	50	<1	10	<1	19	<1	8	13	<1
0385	0.1	<10	<1	17	<1	90	<1	11	21	<1
0386	3.4	240	1	82	<1	201	<1	44	60	2
0387	1.8	340	<1	65	<1	291	<1	65	53	1
0388	1.1	430	<1	59	<1	288	<1	62	57	<1
0389	5.3	260	<1	84	<1	168	<1	80	67	<1
0390	6.5	40	<1	10	<1	501	<1	35	8	2
0391	1.4	440	<1	38	<1	234	<1	44	35	<1
0392	0.1	<10	<1	2	<1	77	<1	<5	6	<1
0393	0.2	240	<1	49	<1	79	<1	18	41	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0394	<0.1	20	<1	3	<1	44	<1	<5	5	<1
0395	0.2	30	<1	44	<1	78	<1	14	41	<1
0396	0.1	20	<1	7	<1	47	<1	6	10	<1
0397	0.8	170	<1	54	<1	363	<1	31	44	<1
0398	2.9	280	<1	26	<1	277	<1	52	21	2
0399	1.8	220	<1	96	<1	153	<1	77	81	<1
0400	1.7	30	<1	12	<1	168	<1	33	10	<1
0401	0.6	460	<1	100	<1	191	2	34	57	<1
0402	1.3	650	1	105	<1	190	2	38	60	1
0403	0.5	60	<1	138	<1	96	<1	38	90	<1
0404	0.3	1480	<1	49	<1	157	1	45	32	<1
0405	0.2	50	<1	79	<1	95	<1	24	51	<1
0406	1.3	280	<1	39	<1	37	<1	28	31	1
0407	0.5	190	<1	13	<1	77	3	<5	11	<1
0408	<0.1	470	<1	7	<1	93	2	<5	8	<1
0409	0.1	30	<1	4	<1	30	<1	<5	7	<1
0410	<0.1	160	<1	9	<1	11	<1	<5	11	<1
0411	0.1	50	<1	4	<1	62	<1	<5	5	<1
0412	<0.1	60	<1	3	<1	40	<1	<5	6	<1
0413	0.2	760	<1	9	<1	77	3	<5	12	<1
0414	2.9	350	<1	45	<1	207	<1	51	36	2
0415	0.1	150	<1	58	<1	115	<1	44	56	<1
0416	<0.1	510	<1	8	<1	182	3	<5	9	<1
0417	2.1	370	<1	26	<1	88	<1	25	25	3
0418	0.3	840	<1	8	<1	91	3	<5	12	<1
0419	0.3	250	<1	75	<1	37	<1	13	49	<1
0420	0.2	1320	<1	16	<1	124	3	10	16	<1
0421	1.6	120	<1	21	<1	54	<1	7	18	<1
0422	0.8	210	1	199	<1	127	<1	72	121	<1
0423	<0.1	20	<1	19	<1	112	<1	7	18	<1
0424	0.8	70	<1	172	<1	104	<1	37	93	<1
0425	<0.1	70	<1	26	<1	90	<1	12	20	<1
0426	0.1	140	<1	52	<1	151	<1	36	44	<1
0427	0.3	20	<1	39	<1	137	<1	12	27	<1
0428	0.7	390	<1	47	<1	88	<1	35	33	<1
0429	6.8	240	<1	13	<1	154	<1	34	8	20
0430	0.4	30	<1	14	<1	214	<1	51	10	15
0431	3.6	290	<1	5	<1	328	<1	34	4	<1
0432	2.1	480	<1	80	<1	230	<1	79	74	2
0433	1.6	340	<1	14	<1	288	<1	43	16	1
0434	3.9	410	<1	27	<1	220	<1	41	25	2
0435	2.4	620	<1	90	<1	286	<1	62	90	<1
*Rep 0354	0.2	60	<1	30	<1	108	<1	9	31	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
*Rep 0365	0.7	340	<1	43	<1	138	<1	43	37	<1
*Rep 0385	<0.1	10	<1	8	<1	79	<1	9	12	<1
*Rep 0393	0.2	170	<1	37	<1	79	<1	19	31	<1
*Rep 0408	<0.1	550	<1	5	<1	107	2	<5	6	<1
*Rep 0419	0.1	230	<1	65	<1	33	<1	8	45	<1
*Rep 0435	2.3	600	<1	87	<1	281	<1	62	90	<1
*Std MMISRM18	0.7	190	14	4	6	151	<1	<5	4	<1
*Std MMISRM16	0.3	70	25	4	<1	314	<1	9	5	<1
*Bik BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1
*Bik BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1
*Bik BLANK	<0.1	<10	<1	1	<1	<5	<1	<5	1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0351	970	<1	2	<10	8.4	21	<0.5	5	<1	55
0352	1070	<1	3	<10	68.1	41	<0.5	70	2	90
0353	1390	<1	3	<10	44.4	16	<0.5	25	<1	89
0354	690	<1	4	<10	27.9	17	<0.5	14	<1	96
0355	450	<1	3	<10	40.9	19	<0.5	12	<1	76
0356	1550	<1	4	<10	33.4	13	<0.5	155	<1	94
0357	490	<1	<1	<10	4.0	28	<0.5	4	<1	18
0358	1420	<1	1	<10	14.6	71	<0.5	13	<1	38
0359	490	<1	1	<10	6.1	30	<0.5	2	<1	38
0360	1110	<1	13	<10	69.4	57	<0.5	21	<1	452
0361	340	<1	1	<10	17.6	32	<0.5	9	<1	27
0362	460	<1	2	<10	9.2	33	<0.5	2	<1	66
0363	70	1	2	<10	86.1	3660	<0.5	9	<1	40
0364	80	6	1	<10	32.7	18500	<0.5	6	3	34
0365	870	<1	5	<10	95.0	447	<0.5	35	2	329
0366	140	<1	3	<10	16.5	516	<0.5	8	<1	75
0367	470	1	2	<10	15.6	5160	<0.5	5	<1	82
0368	80	<1	2	<10	43.5	1470	<0.5	6	<1	55
0369	80	2	2	<10	44.7	5860	<0.5	11	2	49
0370	400	<1	9	<10	48.4	2460	<0.5	7	<1	230
0371	190	<1	10	<10	65.3	4810	<0.5	10	1	257
0372	120	<1	17	<10	82.2	4650	<0.5	12	2	426
0373	80	<1	<1	<10	29.3	1590	<0.5	9	<1	20
0374	100	<1	1	<10	51.2	1400	<0.5	8	<1	38
0375	70	<1	1	<10	46.8	1200	<0.5	6	<1	38
0376	90	<1	3	<10	45.6	1740	<0.5	6	<1	87
0377	290	<1	2	<10	49.9	1330	<0.5	5	<1	43
0378	220	<1	3	<10	36.1	1690	<0.5	5	<1	91
0379	100	<1	2	<10	21.6	2130	<0.5	4	<1	91
0380	240	<1	10	<10	117	2850	<0.5	10	1	202
0381	920	<1	3	<10	41.6	23	<0.5	18	<1	77
0382	590	<1	3	<10	53.8	86	<0.5	159	<1	69
0383	890	<1	2	<10	41.5	32	<0.5	13	<1	62
0384	830	<1	2	<10	26.0	33	<0.5	18	<1	68
0385	600	<1	3	<10	15.5	12	<0.5	5	<1	79
0386	150	2	7	<10	205	4850	<0.5	15	2	115
0387	110	<1	9	<10	110	2670	<0.5	13	1	211
0388	310	<1	11	<10	117	2190	<0.5	12	1	243
0389	140	<1	10	<10	128	1710	<0.5	11	2	213
0390	190	<1	1	<10	37.7	4320	<0.5	8	1	26
0391	270	<1	6	<10	45.6	2920	<0.5	7	<1	150
0392	590	<1	1	<10	5.5	19	<0.5	8	<1	31
0393	1020	<1	7	<10	43.1	54	<0.5	106	<1	251

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0394	480	<1	<1	<10	4.1	4	<0.5	6	<1	28
0395	770	<1	6	<10	44.6	16	<0.5	13	<1	147
0396	890	<1	2	<10	24.0	13	<0.5	13	<1	49
0397	200	<1	6	<10	71.9	784	<0.5	10	<1	131
0398	160	<1	4	<10	134	4350	<0.5	11	2	146
0399	340	<1	12	<10	171	1980	<0.5	19	1	310
0400	290	<1	1	<10	40.4	909	<0.5	9	<1	33
0401	670	<1	7	<10	222	1130	<0.5	42	3	151
0402	310	<1	7	<10	183	1120	<0.5	87	2	157
0403	790	<1	11	<10	96.9	126	<0.5	15	<1	290
0404	950	<1	4	<10	93.7	604	<0.5	47	2	138
0405	740	<1	6	<10	148	217	<0.5	19	<1	148
0406	140	<1	4	<10	49.7	915	<0.5	31	1	86
0407	520	<1	1	<10	29.3	176	<0.5	75	3	42
0408	600	<1	1	<10	14.7	18	<0.5	10	1	37
0409	450	<1	1	<10	10.8	14	<0.5	12	<1	35
0410	540	<1	2	<10	20.1	56	<0.5	6	<1	49
0411	480	<1	<1	<10	14.7	33	<0.5	25	<1	25
0412	620	<1	1	<10	7.0	13	<0.5	7	<1	38
0413	430	<1	2	<10	22.8	57	<0.5	19	2	72
0414	140	<1	5	<10	67.4	3870	<0.5	9	1	129
0415	970	<1	12	<10	25.7	20	<0.5	73	<1	516
0416	530	<1	2	<10	18.0	16	<0.5	129	1	49
0417	20	<1	3	<10	16.3	4320	<0.5	5	<1	71
0418	510	<1	2	<10	25.8	65	<0.5	38	3	53
0419	2140	<1	6	<10	107	207	<0.5	81	1	149
0420	1200	<1	3	<10	29.9	183	<0.5	48	3	92
0421	850	<1	2	<10	41.6	165	<0.5	9	<1	70
0422	550	<1	15	<10	221	1220	<0.5	46	2	362
0423	460	<1	2	<10	21.1	42	<0.5	4	<1	40
0424	600	<1	10	<10	244	564	<0.5	25	2	230
0425	720	<1	3	<10	31.7	17	<0.5	51	<1	88
0426	760	<1	7	<10	50.4	54	<0.5	38	<1	243
0427	280	<1	3	<10	28.9	75	<0.5	13	<1	64
0428	520	<1	4	<10	86.8	414	<0.5	296	<1	110
0429	90	5	1	<10	62.7	21600	<0.5	8	4	28
0430	450	<1	2	<10	61.6	1210	<0.5	16	<1	81
0431	120	<1	<1	<10	17.5	2210	<0.5	4	<1	31
0432	180	1	12	<10	86.6	5840	<0.5	13	2	292
0433	350	<1	5	<10	59.9	2560	<0.5	10	1	148
0434	460	1	4	<10	61.1	4740	<0.5	10	2	115
0435	440	<1	17	<10	88.0	2280	<0.5	15	<1	445
*Rep 0354	670	<1	4	<10	28.3	21	<0.5	16	<1	94

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
*Rep 0365	730	<1	7	<10	82.6	462	<0.5	39	1	309
*Rep 0385	510	<1	2	<10	8.7	15	<0.5	3	<1	57
*Rep 0393	1040	<1	5	<10	45.0	37	<0.5	98	<1	195
*Rep 0408	660	<1	1	<10	12.0	23	<0.5	9	1	34
*Rep 0419	2370	<1	5	<10	83.4	53	<0.5	50	<1	135
*Rep 0435	400	<1	17	<10	84.3	2320	<0.5	15	1	445
*Std MMISRM18	1060	<1	<1	<10	11.8	5	<0.5	24	<1	15
*Std MMISRM16	440	<1	<1	<10	18.5	10	<0.5	50	<1	12
*Bik BLANK	10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	7
*Bik BLANK	<10	<1	<1	<10	<0.5	3	<0.5	<1	<1	<5

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Final : TO110389 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0351	7	190	21
0352	9	70	51
0353	10	290	28
0354	8	<20	19
0355	7	<20	67
0356	10	30	20
0357	1	30	22
0358	4	160	40
0359	4	<20	21
0360	52	30	84
0361	2	<20	9
0362	7	70	23
0363	3	700	71
0364	3	120	103
0365	30	330	159
0366	5	430	12
0367	5	220	72
0368	5	2560	70
0369	4	340	122
0370	15	740	82
0371	16	720	154
0372	24	110	166
0373	2	340	57
0374	5	70	78
0375	4	1330	74
0376	7	380	74
0377	4	330	74
0378	6	40	66
0379	8	300	47
0380	15	780	151
0381	10	80	40
0382	5	130	44
0383	8	40	46
0384	8	140	22
0385	6	<20	22
0386	10	220	299
0387	14	70	181
0388	17	90	162
0389	16	100	179
0390	3	220	95
0391	9	230	104
0392	3	<20	15
0393	26	210	37

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Final : TO110389 Revision REPORT Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0394	2	<20	9
0395	13	30	36
0396	6	<20	31
0397	11	350	69
0398	18	680	193
0399	25	300	239
0400	3	190	63
0401	15	170	222
0402	14	560	253
0403	22	290	58
0404	14	380	105
0405	15	300	99
0406	7	480	60
0407	4	30	32
0408	5	50	25
0409	3	80	18
0410	6	70	25
0411	3	360	16
0412	4	340	8
0413	9	70	29
0414	9	70	134
0415	33	40	32
0416	5	90	17
0417	5	90	40
0418	6	30	28
0419	15	330	100
0420	11	620	99
0421	7	80	38
0422	33	720	264
0423	3	30	11
0424	22	110	178
0425	8	180	18
0426	26	60	50
0427	5	30	20
0428	10	1890	92
0429	3	230	105
0430	25	60	86
0431	4	1720	52
0432	21	90	173
0433	11	270	91
0434	8	580	137
0435	32	200	95
*Rep 0354	9	20	22

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Final : TO110389 Revision REPORT Order:

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
*Rep 0365	34	420	140
*Rep 0385	4	<20	19
*Rep 0393	22	210	35
*Rep 0408	4	90	23
*Rep 0419	15	260	76
*Rep 0435	33	200	90
*Std MMISRM18	<1	720	24
*Std MMISRM16	<1	260	17
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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Certificate of Analysis

Work Order: TO110390

To: **Tyron Breytenbach**
Detour Gold Corporation
Royal Bank Plaza, North Tower
200 Bay Street, Suite 2040
TORONTO
ON M5J 2J1

Date: Jun 17, 2010

P.O. No. : -
Project No. : -
No. Of Samples : 85
Date Submitted : Jun 07, 2010
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0437	2	227	<10	<0.1	2010	<1	20	10	213	89
0438	9	203	10	0.1	1480	<1	<10	13	195	42
0439	3	148	<10	<0.1	1710	<1	<10	8	114	24
0440	9	109	<10	<0.1	2470	<1	40	6	518	35
0441	3	148	<10	<0.1	700	<1	<10	12	126	41
0442	2	152	<10	<0.1	1000	1	20	20	70	62
0443	11	145	<10	<0.1	630	4	140	12	1520	151
0444	2	169	<10	<0.1	650	<1	<10	5	589	79
0445	2	185	10	0.1	4500	<1	70	12	1090	93
0446	5	180	<10	<0.1	1450	<1	50	38	734	135
0453	7	170	<10	0.2	2090	<1	110	19	445	125
0454	3	151	<10	<0.1	1680	<1	80	8	135	69
0455	11	75	<10	0.1	940	<1	460	6	360	22
0456	<1	46	<10	0.1	1730	<1	480	3	287	35
0457	4	11	20	0.2	1720	<1	290	5	164	18
0458	5	32	<10	0.3	670	<1	470	9	210	93
0459	10	35	20	0.2	3340	<1	390	30	404	58
0460	14	12	<10	0.2	1790	<1	410	9	35	139
0461	16	13	30	0.3	2530	<1	460	6	573	73
0462	15	13	<10	0.2	2840	<1	380	4	137	35
0463	3	6	<10	0.2	950	<1	220	3	11	6
0464	4	14	<10	0.6	860	<1	280	2	5	36
0465	3	107	<10	<0.1	600	<1	280	3	541	15
0466	4	8	<10	0.2	1570	<1	210	2	35	5
0467	1	6	<10	0.2	1420	<1	260	2	<5	<5
0468	<1	109	<10	<0.1	240	<1	250	2	32	8
0469	16	25	<10	0.2	2840	<1	450	5	143	53
0470	4	28	30	0.2	1380	<1	170	2	2730	70
0471	5	14	<10	0.4	800	<1	300	4	10	60
0472	8	102	<10	0.2	2020	<1	130	9	305	29
0473	2	19	<10	0.6	1730	<1	290	4	135	5
0474	20	27	40	0.3	1430	<1	460	5	400	31
0475	<1	150	30	<0.1	480	2	10	6	70	7
0476	1	261	10	<0.1	920	<1	<10	7	249	42
0477	2	174	<10	<0.1	920	<1	<10	3	328	38
0478	2	178	40	<0.1	430	1	<10	14	50	12
0479	4	92	<10	<0.1	620	<1	<10	8	180	27
0480	9	73	<10	<0.1	170	<1	<10	8	59	8
0481	3	158	10	<0.1	530	<1	<10	12	40	11
0482	6	240	20	<0.1	350	1	<10	6	60	10
0483	7	266	40	<0.1	470	<1	<10	13	62	10
0484	10	126	<10	0.2	2300	<1	180	9	1280	109
0485	6	142	10	0.2	2300	<1	220	7	2520	48

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
0486	3	209	<10	<0.1	1040	<1	<10	27	163	114
0487	3	222	<10	<0.1	1470	<1	30	12	302	85
0488	21	47	<10	<0.1	810	<1	480	31	231	155
0489	16	55	<10	0.1	1360	<1	460	13	460	357
0490	3	7	<10	0.2	1400	<1	230	2	23	23
0491	<1	270	50	<0.1	540	<1	<10	13	44	22
0492	3	226	30	<0.1	600	2	<10	8	105	10
0493	1	10	50	0.1	1690	<1	310	1	83	65
0494	9	26	<10	0.2	930	<1	450	8	130	154
0495	7	25	10	0.2	1710	<1	440	6	220	54
0496	2	19	<10	0.1	1700	<1	330	2	83	30
0497	10	25	<10	0.2	1770	<1	380	6	203	44
0498	10	66	<10	0.2	1920	<1	360	9	605	69
0499	2	25	20	0.2	850	<1	500	3	107	37
0500	1	100	<10	<0.1	430	<1	270	4	37	31
0501	3	30	<10	0.2	2000	<1	480	7	499	50
0502	5	24	20	0.2	1650	<1	410	5	197	42
0503	3	40	<10	<0.1	620	<1	490	7	78	21
0504	<1	>300	50	<0.1	640	2	<10	16	140	27
0505	2	251	40	<0.1	200	1	<10	8	87	18
0506	5	167	<10	<0.1	1370	1	90	<1	152	118
0507	<1	270	<10	<0.1	510	1	10	<1	113	12
0508	2	84	20	0.1	1650	<1	200	4	1630	167
0509	2	228	20	<0.1	260	1	<10	16	106	36
0510	2	244	20	<0.1	590	<1	<10	16	80	20
0511	1	240	20	<0.1	230	<1	<10	13	58	10
0512	<1	173	40	<0.1	260	2	<10	15	51	8
0513	2	216	10	<0.1	460	<1	<10	11	65	30
0514	<1	48	20	0.1	700	<1	390	5	30	69
0515	<1	246	30	<0.1	460	1	50	6	320	32
0516	2	248	30	<0.1	360	<1	<10	11	87	31
0517	2	228	10	<0.1	1570	<1	<10	7	191	30
0518	1	256	30	<0.1	380	<1	<10	8	49	16
0519	3	144	<10	<0.1	290	<1	<10	7	15	43
0520	<1	244	30	<0.1	460	2	<10	11	54	32
0521	5	>300	<10	<0.1	930	10	50	19	270	45
0522	5	>300	<10	<0.1	2560	<1	<10	1	314	102
0523	2	207	10	<0.1	960	<1	<10	16	52	24
0524	<1	170	60	<0.1	260	3	<10	24	48	20
0525	7	45	30	0.3	2150	1	330	6	2390	115
0526	2	207	20	<0.1	2280	6	110	2	453	191
0527	2	135	<10	0.1	1700	<1	210	3	729	40
*Rep 0453	7	178	<10	0.2	2370	<1	120	20	357	156

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
*Rep 0458	4	54	<10	<0.1	470	<1	510	14	127	77
*Rep 0471	6	13	<10	0.6	880	<1	310	4	7	61
*Rep 0484	8	112	<10	0.5	2670	<1	180	7	1020	165
*Rep 0504	<1	>300	40	<0.1	400	1	<10	8	149	32
*Rep 0509	2	246	20	<0.1	300	<1	<10	15	159	36
*Rep 0524	<1	155	40	<0.1	230	3	10	25	40	14
*Std MMISRM18	25	19	10	8.9	160	<1	200	82	25	71
*Std MMISRM16	23	36	20	42.0	70	<1	240	4	16	67
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0437	100	6.7	350	22	10.3	4.7	98	18	18	<1
0438	200	9.3	130	16	7.9	5.4	122	30	16	<1
0439	<100	8.4	120	33	19.2	5.3	35	10	22	<1
0440	<100	6.7	340	55	27.7	13.2	14	7	53	<1
0441	<100	5.8	80	15	8.1	3.7	75	28	14	<1
0442	<100	5.8	130	8	4.8	2.3	88	55	8	<1
0443	200	10.1	13900	130	64.9	42.2	118	36	161	<1
0444	200	6.5	300	27	11.2	12.0	147	23	38	<1
0445	<100	4.9	570	81	37.5	21.5	51	19	85	<1
0446	<100	2.1	1500	122	59.2	26.7	70	17	114	<1
0453	<100	2.4	1200	55	29.4	12.7	64	14	50	<1
0454	<100	3.4	600	15	12.0	2.5	114	10	10	<1
0455	100	0.7	710	35	22.5	8.9	32	4	37	<1
0456	<100	0.6	2700	10	6.3	3.4	46	3	13	<1
0457	<100	0.7	2120	10	5.2	4.4	14	2	16	<1
0458	<100	0.6	2430	11	6.1	3.9	24	2	15	<1
0459	<100	2.1	3490	21	10.8	7.8	23	5	29	<1
0460	<100	<0.5	5050	8	5.2	1.9	4	<1	9	<1
0461	<100	0.7	7200	35	19.5	11.9	33	5	48	<1
0462	<100	0.9	5650	19	11.6	5.4	23	2	25	<1
0463	<100	<0.5	560	4	1.9	1.2	1	<1	5	2
0464	<100	0.8	520	6	3.6	1.5	4	<1	7	<1
0465	<100	2.4	560	69	36.1	18.0	44	7	76	<1
0466	<100	<0.5	350	11	4.8	5.2	2	<1	19	<1
0467	<100	0.7	450	5	2.1	1.5	1	<1	7	<1
0468	300	5.0	30	4	1.9	1.6	18	48	4	<1
0469	<100	1.3	4950	14	7.7	4.4	15	2	18	<1
0470	100	2.5	860	71	32.4	32.7	104	21	105	<1
0471	<100	<0.5	670	8	4.5	2.0	3	<1	10	2
0472	<100	3.4	440	114	60.5	30.0	34	11	130	<1
0473	<100	0.6	620	19	8.0	9.5	6	2	34	<1
0474	<100	0.8	5250	20	11.3	7.3	32	4	30	<1
0475	300	4.8	110	5	2.8	1.9	68	95	5	<1
0476	300	7.8	370	17	10.2	4.1	92	35	15	<1
0477	200	5.9	240	26	11.5	10.2	61	24	32	<1
0478	200	9.1	260	3	1.2	0.8	207	10	2	<1
0479	<100	5.7	160	41	17.1	16.9	7	7	53	<1
0480	<100	3.8	80	14	9.0	3.6	14	14	12	<1
0481	<100	6.0	60	5	3.6	1.1	58	12	4	<1
0482	200	3.7	170	6	3.4	1.9	98	70	6	<1
0483	<100	5.0	90	5	2.5	2.2	53	63	5	<1
0484	200	3.3	930	173	106	38.2	102	16	160	<1
0485	100	2.2	570	178	87.8	52.0	71	21	206	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
0486	<100	5.0	230	8	3.8	2.2	73	5	7	<1
0487	100	6.6	340	26	11.4	6.7	118	21	25	<1
0488	<100	0.6	1100	13	5.9	5.2	11	2	20	<1
0489	<100	1.4	1490	20	10.1	8.2	27	4	30	<1
0490	<100	<0.5	460	3	1.2	1.1	1	<1	4	<1
0491	200	1.9	80	3	2.1	1.3	133	68	3	1
0492	100	2.2	70	8	4.1	3.8	51	92	10	<1
0493	<100	<0.5	2110	6	3.3	2.3	16	1	9	<1
0494	<100	<0.5	2100	10	6.0	3.4	16	2	15	<1
0495	<100	<0.5	3920	14	8.2	4.5	31	2	18	<1
0496	<100	<0.5	1900	6	3.3	2.5	18	1	10	<1
0497	<100	0.6	4570	12	7.2	4.1	24	3	17	<1
0498	<100	3.5	3230	18	10.3	5.9	54	6	22	<1
0499	<100	<0.5	4830	6	3.9	1.9	22	2	8	<1
0500	<100	4.2	2610	4	3.5	0.8	82	3	3	<1
0501	<100	0.9	4350	21	12.2	7.9	53	5	31	<1
0502	<100	1.5	6780	14	8.1	4.2	29	4	18	<1
0503	<100	1.5	1400	5	2.2	1.8	11	2	7	<1
0504	400	4.8	60	9	4.3	4.5	108	179	11	1
0505	200	4.3	110	6	3.0	2.2	104	45	6	<1
0506	200	12.3	4090	10	11.8	2.2	257	38	8	<1
0507	200	4.5	1230	7	4.2	1.8	40	30	6	<1
0508	200	1.4	830	90	44.3	33.8	83	20	127	<1
0509	100	2.1	180	8	4.7	2.1	104	37	7	<1
0510	100	3.0	200	8	4.1	2.5	92	26	7	1
0511	100	2.2	90	5	2.7	1.8	65	43	5	<1
0512	<100	1.9	90	4	1.8	1.5	67	53	4	<1
0513	100	5.1	170	5	2.9	1.6	102	12	5	<1
0514	<100	1.2	5060	4	3.8	0.7	103	2	3	<1
0515	300	7.1	680	16	7.4	5.1	168	37	17	<1
0516	300	6.0	220	8	3.8	2.4	142	33	7	<1
0517	100	6.2	270	29	17.8	5.3	86	16	20	<1
0518	200	2.4	80	6	4.0	1.7	125	58	5	<1
0519	<100	3.6	120	1	1.7	<0.5	206	26	<1	<1
0520	200	3.0	100	4	2.8	1.0	121	45	3	<1
0521	200	12.1	1340	39	22.1	7.5	49	45	30	<1
0522	200	9.6	330	17	7.3	5.9	101	28	19	<1
0523	<100	6.4	170	5	3.2	1.2	78	11	4	<1
0524	300	2.1	160	5	2.9	1.7	136	124	5	1
0525	100	1.4	3020	84	45.3	29.1	102	18	113	<1
0526	300	10.6	3600	15	8.7	5.4	241	41	18	<1
0527	100	3.5	490	55	27.3	17.2	62	12	66	<1
*Rep 0453	100	3.7	1210	55	31.6	10.8	73	16	46	<1

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
*Rep 0458	<100	0.7	1510	11	7.3	3.4	13	1	14	<1
*Rep 0471	<100	<0.5	710	9	5.0	2.3	3	<1	11	3
*Rep 0484	200	2.3	940	128	82.4	28.4	89	11	116	<1
*Rep 0504	200	4.2	30	9	3.6	4.1	80	137	11	<1
*Rep 0509	100	2.7	150	10	5.2	3.0	94	44	11	<1
*Rep 0524	300	1.5	160	5	2.3	1.4	95	95	4	1
*Std MMISRM18	<100	6.7	810	3	1.3	1.3	2	<1	5	4
*Std MMISRM16	<100	12.9	740	2	0.9	1.0	<1	<1	4	16
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0437	<0.5	19.1	78	25	11	1270	<5	12.6	88	165
0438	<0.5	22.3	114	12	3	450	<5	17.4	85	94
0439	<0.5	16.1	43	<5	2	600	<5	5.1	65	51
0440	<0.5	19.1	174	<5	23	220	<5	2.7	267	55
0441	<0.5	14.7	48	13	2	1130	<5	9.9	52	71
0442	<0.5	32.3	31	11	6	2600	<5	18.4	30	77
0443	<0.5	7.8	1220	7	13	3460	<5	10.9	1040	336
0444	<0.5	6.9	237	<5	<1	10300	6	13.1	236	30
0445	<0.5	23.7	338	15	40	3530	<5	15.1	475	151
0446	<0.5	24.1	289	12	26	2240	<5	7.2	534	203
0453	<0.5	44.6	161	10	45	2100	<5	10.0	232	141
0454	<0.5	32.5	63	18	35	580	<5	5.8	58	289
0455	<0.5	18.1	206	<5	92	710	<5	1.4	217	212
0456	<0.5	26.6	105	23	55	5020	26	3.8	109	237
0457	<0.5	22.1	63	14	51	1910	48	3.8	95	80
0458	<0.5	18.1	68	<5	78	3340	7	2.8	96	137
0459	<0.5	13.4	181	8	60	1680	24	9.1	198	138
0460	<0.5	24.5	12	46	96	7080	15	<0.5	26	127
0461	<0.5	18.7	215	18	43	2700	61	2.7	321	94
0462	<0.5	18.3	47	20	43	770	10	0.9	98	117
0463	<0.5	18.2	5	46	81	920	7	<0.5	13	34
0464	<0.5	13.2	8	6	88	1680	<5	<0.5	18	65
0465	<0.5	14.4	308	<5	48	340	<5	4.0	358	53
0466	<0.5	10.4	51	<5	59	610	<5	<0.5	85	13
0467	<0.5	20.3	2	27	76	430	<5	<0.5	10	30
0468	<0.5	4.0	16	5	13	170	<5	24.0	18	34
0469	<0.5	20.1	51	11	64	1040	8	2.9	90	85
0470	<0.5	9.7	1230	<5	16	3270	<5	17.8	879	31
0471	<0.5	8.7	12	6	119	4140	<5	<0.5	25	82
0472	<0.5	20.7	388	<5	32	990	<5	5.8	548	39
0473	<0.5	11.6	167	<5	78	130	<5	<0.5	215	54
0474	<0.5	32.9	186	23	62	4370	66	3.1	220	191
0475	<0.5	13.2	41	28	6	190	7	42.8	31	39
0476	<0.5	14.1	104	17	4	190	<5	21.0	87	147
0477	<0.5	10.2	117	<5	<1	190	5	6.0	151	42
0478	<0.5	5.5	21	<5	<1	30	<5	7.5	14	72
0479	<0.5	6.4	82	<5	<1	140	<5	1.0	240	34
0480	<0.5	8.8	24	<5	<1	100	<5	<0.5	43	25
0481	<0.5	12.0	15	<5	<1	610	<5	4.3	16	26
0482	<0.5	15.3	29	18	3	140	<5	29.8	23	62
0483	<0.5	8.4	29	<5	<1	130	<5	8.4	25	29
0484	<0.5	15.8	457	11	36	6990	<5	6.9	698	340
0485	<0.5	8.8	1300	<5	47	1480	<5	10.0	1230	67

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
0486	<0.5	11.2	42	6	2	530	<5	3.7	39	157
0487	<0.5	19.5	99	12	11	4250	<5	10.7	116	138
0488	<0.5	19.9	90	<5	94	19200	<5	1.3	124	333
0489	<0.5	31.8	176	<5	87	42400	14	1.8	231	320
0490	<0.5	15.6	6	41	58	5480	24	<0.5	16	69
0491	<0.5	12.7	24	10	2	80	<5	28.7	18	130
0492	<0.5	8.8	58	5	1	110	<5	15.5	55	46
0493	<0.5	23.1	26	49	55	3480	51	1.9	49	173
0494	<0.5	22.0	43	20	72	6930	8	1.6	77	199
0495	<0.5	32.2	84	40	72	4070	32	1.7	121	258
0496	<0.5	30.2	31	25	67	3440	25	0.9	52	123
0497	<0.5	39.8	68	31	77	3660	69	1.4	102	175
0498	<0.5	14.9	184	17	51	12800	13	7.3	187	172
0499	<0.5	42.3	47	32	91	3170	50	2.6	55	385
0500	<0.5	10.4	20	7	65	8040	5	1.4	18	108
0501	<0.5	26.1	266	18	72	4170	14	5.7	274	308
0502	<0.5	39.7	79	41	79	4590	100	2.6	112	254
0503	<0.5	11.7	28	16	86	270	11	1.6	42	160
0504	<0.5	12.8	74	22	4	100	<5	44.3	62	126
0505	<0.5	8.6	45	11	1	940	<5	13.2	36	30
0506	<0.5	20.0	70	61	41	1230	<5	17.8	59	287
0507	<0.5	10.3	59	19	5	80	<5	20.7	45	57
0508	<0.5	9.1	1070	6	45	22200	<5	17.7	890	70
0509	<0.5	11.8	48	7	2	90	<5	14.6	40	66
0510	<0.5	8.6	35	5	1	390	<5	9.0	36	67
0511	<0.5	11.5	30	<5	1	110	<5	14.8	27	33
0512	<0.5	14.3	26	8	3	280	<5	15.3	20	29
0513	<0.5	15.1	28	6	2	210	<5	8.3	25	65
0514	<0.5	20.8	17	7	71	3170	9	1.8	17	247
0515	<0.5	12.1	100	14	7	1300	5	16.4	94	90
0516	<0.5	9.0	35	14	2	350	<5	21.5	35	43
0517	<0.5	15.8	90	11	3	500	<5	12.1	89	50
0518	<0.5	11.7	25	14	3	190	<5	22.7	22	43
0519	<0.5	19.0	8	23	11	140	<5	13.7	5	129
0520	<0.5	18.3	20	24	4	160	<5	25.3	14	59
0521	<0.5	27.9	120	101	29	510	<5	23.4	140	101
0522	<0.5	17.6	126	51	8	1620	<5	19.0	121	96
0523	<0.5	18.8	20	7	2	340	<5	6.5	16	63
0524	0.6	14.5	24	14	4	320	<5	51.2	23	106
0525	<0.5	7.9	922	8	77	1240	<5	16.2	879	142
0526	<0.5	20.4	165	78	33	2460	<5	36.5	136	247
0527	<0.5	12.8	418	<5	35	1850	<5	8.1	421	53
*Rep 0453	<0.5	47.4	130	21	54	2140	<5	8.5	202	159

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Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
*Rep 0458	<0.5	15.2	52	<5	82	6630	<5	1.4	72	207
*Rep 0471	<0.5	8.6	12	7	126	3290	<5	<0.5	26	69
*Rep 0484	<0.5	14.7	370	5	36	9980	<5	4.7	522	249
*Rep 0504	<0.5	8.3	76	9	2	50	<5	24.8	65	146
*Rep 0509	<0.5	11.0	70	8	2	130	<5	16.7	61	62
*Rep 0524	0.6	14.7	20	9	4	290	<5	38.8	20	76
*Std MMISRM18	<0.5	27.1	9	<5	80	600	34	<0.5	18	542
*Std MMISRM16	<0.5	43.5	4	<5	35	120	57	<0.5	13	240
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Bik BLANK	<0.5	<0.1	1	<5	<1	10	<5	<0.5	2	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0437	2.3	360	<1	23	<1	386	<1	50	20	1
0438	4.4	900	<1	23	<1	272	<1	53	18	1
0439	0.6	500	<1	14	<1	396	<1	43	17	<1
0440	0.2	680	<1	61	<1	277	<1	67	53	<1
0441	1.9	580	<1	12	<1	295	<1	32	13	1
0442	1.9	380	<1	7	<1	341	<1	34	7	5
0443	3.3	430	<1	268	<1	133	<1	107	190	<1
0444	3.6	140	<1	64	<1	65	<1	57	49	1
0445	0.8	670	<1	115	<1	247	<1	86	92	<1
0446	2.4	500	<1	122	<1	259	<1	105	115	<1
0453	2.1	610	<1	54	<1	293	<1	78	52	<1
0454	2.0	70	<1	16	<1	279	<1	42	11	<1
0455	0.2	90	<1	56	<1	85	<1	28	40	<1
0456	0.2	350	<1	31	<1	73	1	15	17	<1
0457	0.3	450	<1	22	<1	122	1	<5	19	<1
0458	0.2	130	<1	23	<1	69	<1	7	17	<1
0459	0.6	320	<1	50	<1	114	3	18	35	<1
0460	<0.1	180	<1	5	<1	21	<1	<5	7	<1
0461	0.1	480	<1	76	<1	61	3	10	57	<1
0462	<0.1	720	<1	21	<1	86	2	5	22	<1
0463	<0.1	40	<1	2	<1	21	<1	<5	4	<1
0464	0.1	30	<1	4	<1	61	<1	<5	6	<1
0465	0.4	110	<1	89	<1	170	<1	66	74	<1
0466	<0.1	20	<1	17	<1	81	<1	5	19	<1
0467	<0.1	10	<1	1	<1	236	<1	<5	5	<1
0468	2.6	160	<1	4	<1	51	<1	31	4	4
0469	0.2	500	<1	20	<1	126	2	7	18	<1
0470	1.0	210	<1	250	<1	116	<1	72	143	<1
0471	<0.1	40	<1	5	<1	33	<1	<5	7	<1
0472	0.4	270	<1	118	<1	232	<1	136	125	<1
0473	0.2	10	<1	49	<1	102	<1	6	40	<1
0474	0.3	570	<1	57	<1	64	1	11	37	<1
0475	4.5	190	<1	8	<1	131	<1	42	6	18
0476	4.2	120	<1	24	<1	243	<1	48	18	2
0477	2.3	250	<1	37	<1	190	<1	61	37	<1
0478	2.6	280	<1	4	<1	111	<1	11	3	<1
0479	0.3	370	<1	50	<1	144	<1	64	62	<1
0480	0.1	470	<1	9	<1	102	<1	25	11	<1
0481	5.1	420	<1	4	<1	249	1	23	4	<1
0482	4.7	160	<1	6	<1	190	<1	37	6	6
0483	3.0	520	<1	7	<1	76	1	21	6	2
0484	1.2	220	<1	160	<1	203	<1	200	157	<1
0485	1.7	350	<1	311	<1	269	<1	131	232	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
0486	2.1	240	<1	10	<1	203	<1	24	8	<1
0487	3.1	310	<1	29	<1	340	<1	41	26	1
0488	0.2	20	<1	30	<1	233	<1	9	23	<1
0489	0.2	30	<1	57	<1	181	<1	23	39	<1
0490	<0.1	20	<1	3	<1	78	<1	<5	4	<1
0491	5.2	70	<1	5	<1	95	<1	26	4	4
0492	5.8	370	<1	14	<1	81	<1	29	11	8
0493	0.2	280	<1	11	<1	15	2	<5	10	<1
0494	0.2	80	<1	17	<1	24	<1	7	14	<1
0495	0.2	570	<1	29	<1	36	1	8	21	<1
0496	0.2	220	<1	12	<1	55	<1	<5	10	<1
0497	0.4	700	<1	24	<1	80	2	9	19	<1
0498	0.5	440	<1	51	<1	208	1	36	29	<1
0499	0.3	370	<1	14	<1	50	2	6	10	<1
0500	0.6	130	<1	5	<1	93	<1	14	3	<1
0501	0.3	300	<1	71	<1	152	<1	17	41	<1
0502	0.4	680	<1	26	<1	78	2	13	21	<1
0503	0.2	150	<1	10	<1	130	<1	<5	8	<1
0504	8.3	430	<1	17	<1	98	<1	50	13	7
0505	7.7	410	<1	10	<1	89	1	30	7	2
0506	2.0	40	<1	16	<1	306	<1	86	10	3
0507	3.6	40	<1	13	<1	87	<1	45	8	2
0508	1.8	120	<1	234	<1	131	<1	126	153	1
0509	4.4	250	<1	11	<1	59	<1	24	8	3
0510	7.1	520	<1	9	<1	134	<1	34	8	2
0511	4.2	250	<1	7	<1	76	<1	24	5	4
0512	4.3	430	<1	5	<1	69	<1	20	5	6
0513	4.5	210	<1	7	<1	156	<1	26	6	1
0514	0.3	80	<1	4	<1	95	<1	14	3	<1
0515	3.5	670	<1	25	<1	78	<1	59	19	2
0516	4.1	510	<1	9	<1	73	<1	41	8	3
0517	3.5	500	<1	23	<1	263	<1	67	20	1
0518	7.0	200	<1	5	<1	79	<1	38	5	4
0519	3.3	50	<1	2	<1	194	<1	21	<1	2
0520	4.3	410	<1	4	<1	100	<1	36	3	5
0521	2.9	950	<1	35	<1	257	<1	88	29	3
0522	3.8	280	<1	33	<1	310	<1	56	23	1
0523	3.8	450	<1	4	<1	286	<1	26	4	<1
0524	15.3	540	<1	6	<1	69	1	41	5	13
0525	1.3	230	<1	224	<1	149	<1	88	145	<1
0526	3.3	140	<1	38	<1	415	<1	99	23	3
0527	0.9	150	<1	109	<1	177	<1	60	76	<1
*Rep 0453	1.6	570	<1	44	<1	311	<1	96	46	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
*Rep 0458	0.1	80	<1	17	<1	65	<1	6	15	<1
*Rep 0471	<0.1	40	<1	5	<1	31	<1	<5	8	<1
*Rep 0484	0.6	180	<1	122	<1	185	<1	190	112	<1
*Rep 0504	5.2	310	<1	18	<1	80	<1	35	13	4
*Rep 0509	4.2	260	<1	17	<1	65	<1	29	12	3
*Rep 0524	16.4	590	<1	5	<1	54	<1	35	5	11
*Std MMISRM18	0.7	260	15	4	6	161	<1	<5	5	<1
*Std MMISRM16	0.3	80	34	2	<1	345	<1	7	4	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0437	270	<1	4	<10	118	2720	1.3	12	1	84
0438	80	1	3	<10	28.8	3270	0.7	9	1	84
0439	80	<1	5	<10	23.1	1390	0.8	6	<1	192
0440	530	<1	10	<10	23.7	830	0.8	5	<1	338
0441	70	<1	3	<10	17.8	2410	<0.5	6	<1	77
0442	160	1	1	<10	15.3	6250	0.5	5	1	45
0443	280	<1	27	<10	162	844	1.1	180	1	867
0444	20	<1	6	<10	82.8	2220	0.8	14	1	106
0445	660	<1	15	<10	135	3550	1.1	13	2	411
0446	310	<1	22	<10	135	1630	0.6	22	1	585
0453	430	<1	10	<10	141	2150	<0.5	16	1	263
0454	400	<1	2	<10	87.4	1170	0.6	11	<1	78
0455	1020	<1	6	<10	59.4	46	<0.5	50	<1	200
0456	690	<1	2	<10	59.9	89	<0.5	56	1	55
0457	410	<1	2	<10	40.9	287	<0.5	41	1	55
0458	670	<1	2	<10	51.4	43	<0.5	27	1	57
0459	740	<1	5	<10	113	941	0.8	161	2	97
0460	3330	<1	1	<10	15.5	14	<0.5	29	<1	39
0461	1380	<1	7	<10	93.2	136	<0.5	34	2	164
0462	1570	<1	4	<10	54.6	106	0.6	18	1	96
0463	500	<1	<1	<10	3.9	<3	<0.5	4	<1	24
0464	500	<1	1	<10	7.5	12	0.6	4	<1	35
0465	370	<1	13	<10	86.6	535	<0.5	20	<1	369
0466	390	<1	3	<10	6.7	15	<0.5	3	<1	68
0467	400	<1	<1	<10	1.8	4	<0.5	7	1	26
0468	250	2	<1	<10	26.5	3800	<0.5	6	<1	17
0469	1190	<1	3	<10	80.1	165	<0.5	29	1	63
0470	440	1	17	<10	125	2040	0.7	18	2	362
0471	470	<1	1	<10	5.2	8	<0.5	3	<1	44
0472	800	<1	21	<10	42.7	1420	0.6	14	<1	660
0473	680	<1	5	<10	31.9	26	<0.5	11	<1	99
0474	1330	<1	5	<10	76.4	105	<0.5	50	4	120
0475	180	4	<1	<10	28.4	16200	0.7	7	5	27
0476	80	1	3	<10	65.6	4800	0.8	8	1	77
0477	20	<1	5	<10	44.6	1340	<0.5	12	<1	101
0478	30	<1	<1	<10	31.5	1110	<0.5	5	<1	9
0479	10	<1	8	<10	13.9	181	<0.5	10	<1	158
0480	10	<1	2	<10	4.1	59	<0.5	3	<1	106
0481	10	<1	<1	<10	24.2	924	<0.5	5	<1	27
0482	50	2	1	<10	22.9	9610	0.6	6	2	30
0483	40	<1	<1	<10	17.4	2150	<0.5	4	<1	22
0484	460	<1	29	<10	165	1020	1.0	40	2	952
0485	670	<1	34	<10	226	1560	0.9	21	2	995

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
0486	80	<1	1	<10	37.4	626	0.6	4	<1	34
0487	180	<1	5	<10	66.6	2480	0.8	8	<1	104
0488	600	<1	3	<10	38.4	19	<0.5	21	<1	64
0489	660	<1	5	<10	25.1	21	0.7	52	<1	105
0490	270	<1	<1	<10	3.7	4	<0.5	63	<1	15
0491	130	2	<1	<10	23.8	6620	<0.5	6	1	17
0492	70	2	2	<10	19.0	5010	<0.5	5	<1	40
0493	370	<1	1	<10	31.2	67	<0.5	56	2	35
0494	1430	<1	2	<10	41.7	44	<0.5	37	<1	54
0495	690	<1	3	<10	49.8	66	<0.5	20	9	83
0496	1010	<1	1	<10	21.1	31	<0.5	22	5	36
0497	1890	<1	3	<10	39.5	114	<0.5	46	3	69
0498	650	<1	4	<10	106	407	0.5	34	1	88
0499	2270	<1	1	<10	29.3	52	<0.5	81	9	40
0500	550	<1	<1	<10	15.7	135	<0.5	23	<1	27
0501	1170	<1	5	<10	60.1	136	<0.5	20	5	128
0502	2160	<1	3	<10	59.7	260	<0.5	76	7	83
0503	470	<1	<1	<10	9.8	19	<0.5	102	<1	28
0504	230	3	2	<10	67.3	8870	0.5	12	2	39
0505	40	<1	1	<10	56.1	2770	<0.5	6	<1	26
0506	410	1	2	<10	62.5	3820	1.7	17	2	49
0507	80	1	1	<10	50.6	4560	0.9	13	1	27
0508	340	1	19	<10	141	2800	0.6	19	2	457
0509	50	1	1	<10	32.3	3880	<0.5	5	<1	35
0510	40	<1	1	<10	23.5	2130	0.5	6	<1	32
0511	30	1	<1	<10	17.0	4500	<0.5	4	<1	24
0512	60	1	<1	<10	18.9	4830	<0.5	4	1	18
0513	30	<1	<1	<10	31.3	1680	0.5	6	<1	22
0514	1350	<1	<1	<10	10.6	142	0.7	96	1	25
0515	50	1	3	<10	118	3890	0.7	14	1	63
0516	30	1	1	<10	78.5	4130	0.6	10	<1	31
0517	60	<1	4	<10	69.9	3240	0.7	14	1	128
0518	70	2	1	<10	23.3	6580	<0.5	6	2	30
0519	110	<1	<1	<10	9.7	3800	0.9	3	<1	7
0520	40	2	<1	<10	43.1	6710	<0.5	6	2	19
0521	140	2	6	<10	60.3	4960	1.3	15	2	210
0522	70	1	3	<10	82.6	2920	2.0	8	1	60
0523	30	<1	<1	<10	25.7	1600	0.8	6	<1	22
0524	100	4	<1	<10	28.2	15700	<0.5	8	2	25
0525	980	<1	18	<10	197	2380	<0.5	34	3	390
0526	390	2	3	<10	113	6750	1.8	16	3	68
0527	360	<1	11	<10	80.7	1220	<0.5	13	1	284
*Rep 0453	520	<1	9	<10	116	1870	<0.5	18	1	285

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
*Rep 0458	620	<1	2	<10	31.7	18	<0.5	18	<1	62
*Rep 0471	510	<1	2	<10	5.3	5	<0.5	3	<1	46
*Rep 0484	480	<1	21	<10	147	693	1.1	38	1	609
*Rep 0504	150	2	2	<10	47.5	4550	0.6	10	1	30
*Rep 0509	40	1	2	<10	36.8	4270	<0.5	6	1	47
*Rep 0524	100	3	<1	<10	24.8	12200	<0.5	7	2	21
*Std MMISRM18	1420	<1	<1	<10	18.1	17	<0.5	30	<1	20
*Std MMISRM16	460	<1	<1	<10	20.4	<3	<0.5	55	<1	9
*Bik BLANK	<10	<1	<1	<10	<0.5	33	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	24	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	0.8	23	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0437	8	270	171
0438	6	870	69
0439	14	280	44
0440	20	40	40
0441	6	150	40
0442	4	410	71
0443	48	410	351
0444	9	40	86
0445	28	70	207
0446	45	380	134
0453	23	1080	163
0454	10	200	93
0455	19	460	51
0456	6	110	32
0457	5	50	57
0458	6	80	33
0459	9	70	186
0460	5	70	14
0461	18	40	109
0462	10	40	31
0463	2	30	7
0464	3	50	16
0465	27	260	85
0466	4	50	9
0467	2	<20	<5
0468	2	120	45
0469	7	190	94
0470	27	70	161
0471	4	50	10
0472	43	70	72
0473	6	160	19
0474	11	30	43
0475	3	160	122
0476	9	320	153
0477	9	260	83
0478	1	210	48
0479	14	610	20
0480	7	200	7
0481	3	400	46
0482	4	160	111
0483	2	140	40
0484	87	520	225
0485	67	190	206

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
0486	3	810	53
0487	8	170	101
0488	5	470	20
0489	9	290	19
0490	<1	90	6
0491	2	290	77
0492	3	160	62
0493	3	40	25
0494	6	180	29
0495	8	100	34
0496	3	80	17
0497	7	50	31
0498	9	200	76
0499	4	60	13
0500	3	110	17
0501	11	40	35
0502	8	50	44
0503	2	80	<5
0504	4	90	111
0505	3	460	60
0506	11	120	191
0507	5	30	111
0508	37	530	202
0509	4	630	61
0510	4	570	55
0511	2	150	51
0512	2	590	69
0513	2	460	60
0514	4	30	24
0515	6	90	110
0516	3	140	55
0517	14	250	130
0518	4	350	67
0519	2	250	51
0520	3	370	103
0521	18	710	135
0522	5	1530	130
0523	3	410	48
0524	3	780	107
0525	40	330	220
0526	8	320	241
0527	21	320	85
*Rep 0453	26	1280	163

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Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
*Rep 0458	6	170	19
*Rep 0471	4	50	9
*Rep 0484	71	520	188
*Rep 0504	3	70	64
*Rep 0509	4	560	77
*Rep 0524	2	580	85
*Std MMISRM18	<1	750	26
*Std MMISRM16	<1	290	17
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

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