



Bergvesenet

Postboks 3021, N-7441 Trondheim

Rapportarkivet

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Samling av analyseskjemaer.

Analysen

Gantelis

April-85 - Okt. 86

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XRAL

EFFECTIVE MARCH 1, 1986

X-RAY ASSAY LABORATORIES LIMITED

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Alphabetical Element Index

Element	Page	Element	Page
Aluminum	2,4,8	Manganese	2,4,5,8
Antimony	2,5-7,8	Mercury	6,8
Arsenic	2,5-7,8	Molybdenum	2,4-7,8
Barium	2,4-7,8	Nickel	2,4,5,7,8
Beryllium	2,5,8	Niobium	2,5,8
Bismuth	2,5,8	Palladium	3,8
Boron	2,5,6,8	Phosphorus	2,4-6,8
Bromine	2,6,8	Platinum	3,8
Cadmium	2,5,8	Potassium	2,4,5,8
Calcium	2,4,5,7,8	Rare Earths	2,6,8
Carbon	8	Rhodium	3,8
Cerium	2,6,8	Rubidium	2,4-6,8
Cesium	2,6,8	Selenium	2,5-7,8
Chlorine	4,8	Silicon	2,4
Chromium	2,4-7,8	Silver	2,5,7,8
Cobalt	2,4-7,8	Sodium	2,4-7,8
Copper	2,4,5,8	Strontium	2,4,5,8
Fluorine	6,8	Sulphur	4,8
Gadolinium	6,8	Tantalum	2,5-7,8
Gallium	8	Tellurium	5,8
Germanium	2,5,8	Thallium	5,6,8
Gold	2,3,6,7,8	Thorium	2,4-7,8
Hafnium	2,6,7,8	Tin	5,6,8
Indium	6,8	Titanium	2,4,5,8
Iodine	8	Tungsten	2,5-7,8
Iron	2,4-7,8	Uranium	2,4-7,8
Lanthanum	2,6,7,8	Vanadium	2,5,8
Lead	2,4,5,8	Yttrium	2,4,5,8
Lithium	2,6,8	Zinc	2,4,5,7,8



Terms and Conditions

Prices are in Canadian dollars. Prices in this schedule apply to normal samples encountered in mineral exploration and development programs. Surcharges may be applied to unusual materials. An environmental chemistry price list is also available. All universities must provide purchase orders for each shipment.

Quantity Discounts

Discounts for larger programs and multi-element analyses can be arranged. Inquiries are invited.

Minimum Charge

A minimum charge of \$35.00 will be effective for all analytical work.

Sample Storage

Assay pulps and the analytical portion of soils will be retained for six months, crusher rejects for 90 days. Soil rejects will be kept only when requested. A storage charge will be levied for retention of samples beyond these limits.

Sample Shipping

Clear instructions as to sample treatment and distribution of reports should accompany each shipment. Waterproof markers are recommended. Samples coming into Canada should be marked "Mineral Samples No Commercial Value", customs tariff classification no. 29500-1. Heavy duty plastic sample bags, waterproof soil envelopes and sample books are available at cost. Complimentary shipping tags, work order forms and pressure sensitive labels are available. Local pick up of samples is available at a nominal cost.

Terms

Net 30 days. Unless credit has been established, payment should accompany samples to avoid C.O.D. billing. Credit application forms are available on request.

Sample Preparation

A sample preparation charge, as indicated below, is applied to all samples of normal size and weight received in the as-collected condition. Surcharges are applied to unusually large or wet samples, to materials requiring special treatment and for the sorting and listing of unorganized, undocumented shipments at an hourly rate of \$30.00. **Note:** Reduction of cores, rocks, etc. to -200 mesh: Standard practice involves the use of a hardened **chrome steel mill** which adulterates samples depending on hardness, with chrome (50-150 ppm) and iron (0.05-0.15%). If this is undesirable an **agate mill** may be substituted. The agate mill introduces some silica (0.1-0.3%) and increases the cost, primarily due to lower sample throughput.

Crushing of rocks, cores, aggregates to ¼" (up to 10 lbs.)	\$1.75
Milling to -200 mesh, chrome steel mill	1.75
Milling to -200 mesh, agate mill	3.00
Crushing and milling, chrome steel mill	2.75
Crushing and milling, agate mill	4.00
Drying and screening soils, silts, etc.	0.80
Drying and blending organics, humus	1.20
Drying and macerating twigs, bark, etc.	2.00
Preparing lake bottom sediments	Hourly rate
Ashing	Hourly rate
Compositing	per sample included 0.70
Weighing and reporting the weight	0.75
Total digestion	2.50
Extra dilutions	0.70
Dissolution of unusual materials which require special attention	Hourly rate

Geochemistry

These geochemical methods are intended for the analysis of rock pulps, soils and waters from routine exploration surveys. Most of these methods are subject to upper limits and are therefore not suitable for highly mineralized samples. See the section on **QUANTITATIVE ASSAYS** for further information on alternate analyses of mineralized samples.

Multi-Method Multi-Element Quantitative Analysis

(Up to 52 Elements Including Rare Earth Elements)

This complete analytical package combines Neutron Activation, X-Ray Fluorescence, D.C. Plasma Emission, ICP/MS and Atomic Absorption Spectrometry to provide meaningful and accurate analyses. Three packages are available: Basic, Exploration, and Research Grade analysis, with sensitivities suitable for any type of survey. Detection limits are in ppm unless otherwise noted. Throughout the fee schedule additional packages are listed, based on individual methods.

Element	Detection Limits			Element	Detection Limits		
	Basic	Exploration	Research		Basic	Exploration	Research
Ag	0.5	0.5	0.5	Mg	—	0.01%	0.01%
Al	—	0.01%	0.01%	Mn	20	2	2
As	5	2	1	Mo	10	5	2
Au	50 ppb	10 ppb	5 ppb	Na	500	0.01%	0.01%
B	—	10	10	Nb	—	20	10
Ba	1000	20	10	Ni	5	1	1
Be	—	10	1	P	—	0.01%	0.01%
Bi	—	0.5	0.1	Pb	5	2	2
Br	5	1	0.5	Rb	100	20	10
Ca	5000	0.01%	0.01%	Sb	1	0.2	0.1
Cd	2	1	0.2	Se	10	3	0.5
Co	5	1	0.1	Si	—	0.01%	0.01%
Cr	10	2	0.5	Sr	1000	20	10
Cs	2	0.5	0.2	Ta	2	1	0.5
Cu	0.5	0.5	0.5	Ti	—	100	10
Fe	1000	0.01%	0.01%	V	—	10	2
Ge	—	10	10	W	10	3	1
Hf	1	1	0.2	Y	—	20	10
K	—	0.01%	0.01%	Zn	2	0.5	0.5
Li	—	10	1	Zr	—	20	10
Rare Earth and Actinide Elements				Tb	—	—	0.1
Sc	0.5	0.1	0.01	Yb	0.5	0.2	0.05
La	1	0.5	0.1	Lu	0.2	0.05	0.01
Ce	5	3	1	U	5	0.5	0.1
Nd	10	5	3	Th	1	0.5	0.2
Sm	0.5	0.1	0.01	Dy*	0.5	0.5	0.5
Eu	0.5	0.2	0.05				

	Basic	Exploration	Research
Price	\$21.00	\$45.00	\$100.00

*Note — If Dy is to be included add \$10.00 to the list price.



Whole Rock Analysis

High accuracy and precision are assured with glass button preparation and X-Ray Fluorescence analysis. Over 30 years of experience, treating a variety of matrices, ensures high quality analysis. The flexibility of the programs can accommodate such diverse compositions as barite-rich or chromite-rich matrices. It is not suitable for sulphide-rich materials. The major oxide data are expected to sum between 98 to 101%. However, in cases where these totals are not achieved, samples are scanned for the presence of a number of elements, such as base metals. These data are provided at no additional cost.

17-Element Package

Major Oxides

(Detection Limit of 0.01%)

SiO₂ MnO
Al₂O₃ Cr₂O₃
CaO P₂O₅
MgO TiO₂
Na₂O and
K₂O Loss on Ignition
Fe₂O₃

Trace Elements

(Detection Limit of 10 ppm)

Ba
Nb
Rb
Sr
Y
Zr

NOTE: Please specify if chrome-free agate milling is required.

The following discounting schedule is based on volume discounts over a 12 month period, arranged by contractual agreement.

Number of Samples	Complete Analysis	Partial Analysis	
		First 2	Each Add'l
1-20	\$30.00	\$13.00	\$2.00
21-100	26.00	13.00	1.75
101-300	22.00	11.00	1.50
301-1000	19.00	10.00	1.25
1001 and above	17.00	10.00	1.25

Other Analyses Associated With Whole Rock Analysis

Element	Number of Samples			
	1-20	21-100	101-300	301 and above
Ferrous Iron	\$6.00	\$5.50	\$5.00	\$4.50
S	5.50	5.00	4.50	4.25
Cl	5.50	5.00	4.50	4.25
S, Cl concurrently	7.50	7.00	6.50	6.25
CO ₂	6.00	5.50	5.00	4.50
H ₂ O +	6.00	5.50	5.00	4.50
H ₂ O-	4.00	3.50	3.00	3.00

Optional Trace Element Add-On Package

Trace Elements

(Detection Limit of 10 ppm)

Cu Co
Zn Mo
Pb U
Ni Th

1st element \$2.00
Each additional 0.80
Lot 7.00



Gold, Platinum Group Elements and Rhenium

XRAL offers over 30 years experience in sampling of gold ores for assay. Free consultation regarding the best preparation procedure for your samples is provided.

02-1 Lead Fire Assay — DCP or INAA, 20 gram sample*

Gold	to 1 ppb	1st element	\$6.50
Palladium	to 2 ppb	Each additional	\$2.00
Platinum	to 10 ppb	Lot	\$10.00

*Surcharge of \$1.50 for 30 gm. (1 AT) aliquot.

02-2 Nickel Sulphide Fire Assay — 50 gram sample

Gold	to 1 ppb	Platinum	to 5 ppb	
Iridium	to 0.1 ppb	Rhenium	to 5 ppb	
Osmium	to 3 ppb	Rhodium	to 1 ppb	
Palladium	to 5 ppb	Ruthenium	to 5 ppb	\$80.00

NOTE: Detection limits for Pt are increased with high Au/Pt ratios, and limits for other elements will be affected by abnormally high Au, As, Sb, and Cu content. Samples with high Zn content are not compatible with this method.

02-3 Gold by Radiochemistry — INAA, 1 gram sample to 0.1 ppb \$12.50

1 gram samples are irradiated prior to fire assay separation of gold. Contamination from reagents does not affect the final result. This method is useful for establishing background levels in rocks.

02-4 Assaying for Gold by Direct Irradiation of the Sample

This procedure eliminates the multi-step preconcentration procedures, with their potential for cross contamination and human error, which are an integral part of the classic fire assay process. Sample pulps undergo encapsulation followed by an irradiation and subsequent measurement of their gold content by gamma spectrometry. The method is particularly suited to the assessment of low grade deposits where large analytical samples are desirable and contamination can be a serious problem. In the standard procedure a 30 gram sample (1 AT) is analyzed. However, samples as large as 500 grams (17 AT) can be accommodated. Inquiries are invited.

Gold to 0.001 oz/ton (34 ppb)	\$10.00
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02-5 Gold in Waters

Gold is determined on 100 ml. of solution. Consult XRAL regarding specialized sample collection procedures. Other elements are available simultaneously at low detection limits.

Gold to 5 ppt	\$20.00
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Trace Metal Analyses

Group	Element	Detection Limit (ppm)	Element	Detection Limit (ppm)	Price For 1st Element	Price For Each Add'l Element	Price For Lot
01-1	Acid Extractible Metal						
	Cadmium	1	Manganese	2	\$2.30	\$1.00	\$8.50
	Calcium	100	Molybdenum	1			
	Cobalt	1	Nickel	1			
	Copper	0.5	Phosphorous	10			
	Iron	2	Silver	0.5			
	Lead	2	Zinc	0.5			
	Magnesium	100					
01-2	Total Metal — MultiAcid Dissolution						
	Same Elements as for Group 01-1 PLUS						
	Chromium	2	Titanium	10	\$4.25	\$1.00	\$11.00
	Potassium	100	Vanadium	2			
	Sodium	100					
03	Acid Extractible Metals with Low Detection Limits						
	Antimony	0.1	Bismuth	0.1	\$4.50	\$1.75	\$7.00
	Arsenic	0.1					
06	Total Metal — Acid Extraction, With Improved Detection Limits						
	Cadmium	0.02	Silver	0.02	\$7.00	\$7.00	
	Selenium	0.1	Tellurium	0.02			
04	Total Metal — Fusion						
	Boron	10	Germanium	10	\$5.00	\$1.75	\$10.00
	Beryllium	1	Titanium	10			
	Chromium	2	Vanadium	2			
07	Total Metal — XRF, Pressed Pellet						
	Antimony	3	Selenium	3	\$ 5.00	\$1.25	\$25.00
	Arsenic	3	Strontium	2			
	Barium	10	Tantalum	2			
	Bismuth	3	Thallium	2			
	Cobalt	2	Thorium	2			
	Chromium	2	Tin	2			
	Copper	1	Titanium	5			
	Lead	2	Tungsten	3			
	Molybdenum	2	Uranium	2			
	Niobium	2	Yttrium	2			
	Nickel	2	Zinc	2			
	Rubidium	2	Zirconium	3			

Trace Metal Analyses (Cont.)

Group	Element	Detection Limit (ppm)	Element	Detection Limit (ppm)	Price For 1st Element	Price For Each Add'l Element	Price For Lot	
09	Total Metals — INAA				\$9.00	\$1.00	\$24.00	
	Antimony	0.2	Lutetium	0.05				
	Arsenic	2	Molybdenum	5				
	Barium	150	Neodymium	5				
	Bromine	0.5	Rubidium	20				
	Cerium	3	Samarium	0.1				
	Cesium	0.5	Scandium	0.1				
	Chromium	2	Selenium	3				
	Cobalt	1	Sodium	100				
	Europium	0.2	Tantalum	1				
	Gold	10 ppb	Thorium	0.1				
	Hafnium	1	Tungsten	3				
	Iron	0.02 %	Uranium	0.5				
	Lanthanum	0.5	Ytterbium	0.2				
10	Gold Pathfinder Elements				\$4.50	\$1.00	\$6.00	
	Antimony	0.2	Tungsten	1				
	Arsenic	1						
15	Total Metal — Prompt Gamma Spectrometry				\$7.00	\$3.00	\$10.00	
	Boron	0.5	Gadolinium	0.5				
08	Uranium — Delayed Neutron Counting				\$3.50			
	Uranium	0.1						
05	Elements — Specific Methods				\$4.50	\$4.50		
	Fluorine	20	Mercury	5 ppb				
	Indium	0.5	Phosphorus	10				
	Lithium	1	Tin	3	\$12.00			
	Thallium	0.1						
90	30-Element Semi-Quantitative Analysis						\$25.00	
	Samples are analyzed for 30 elements by D.C. Arc emission spectroscopy and x-ray fluorescence. High, Medium, Low, and Trace only are indicated.							

Rare Earth Elements and Yttrium

Chondrite plots are provided free of charge with orders of 4 or more samples.

11-1 Rare Earths by INAA

Lanthanum	0.1	Terbium	0.1	\$60.00
Cerium	1	Dysprosium*	0.5	
Neodymium	3	Ytterbium	0.05	
Samarium	0.1	Lutetium	0.01	
Europium	0.05			

11-2 Rare Earths by DCP

Praseodymium	2	Holmium	0.5	\$35.00
Gadolinium	2	Erbium	0.5	
Yttrium	1	Thulium	0.5	

*NOTE: If Dy is to be included add \$10.00 to list price.

Biogeochemistry

Analysis of organics by direct irradiation-neutron activation provides a useful exploration technique for gold, tungsten and several other elements. Analysis is simple, direct and highly sensitive with a minimum of sample handling. However there are some precautions that should be observed when applying this method. 1) It is important to collect only the organic portion of the soil. Inclusion of inorganic material will result in the sample not being analyzed by this method. 2) Packing moist organics in airtight containers may result in rot and loss of samples. Cotton bags available at XRAL are recommended for collection. 3) Systematic packing and labelling will speed the work.

Eight grams of material are used. Detection limits are in ppm except as otherwise noted. **Prices include preparation of the briquette but not drying and maceration.**

Group 13-1 Humus, Mull, A ₀ Horizon				Group 13-2 Vegetation (includes wood)			
Gold	1 ppb	Molybdenum	0.5	Gold	0.1 ppb	Molybdenum	0.05
Antimony	0.1	Selenium	2	Antimony	0.01	Selenium	0.5
Arsenic	1	Silver	2	Arsenic	0.01	Silver	0.2
Barium	100	Tantalum	0.5	Barium	20	Tantalum	0.2
Bromine	1	Thorium	0.5	Bromine	0.01	Thorium	0.1
Chromium	1	Tungsten	1	Chromium	0.3	Tungsten	0.05
Cobalt	1	Uranium	0.1	Cobalt	0.3	Uranium	0.02
Iron	0.05%	Zinc	20	Iron	0.005%	Zinc	2
1st element \$7.00				1st element \$9.50			
Each additional 1.00				Each additional 1.00			
Lot 9.50				Lot \$12.50			
Additional elements are available on request.							

Heavy Mineral Concentrates, Till Fractions and Pulps

Heavy mineral concentrates and the various fractions derived from till and stream sediment samples are expensive to produce; however they can yield a wealth of information useful to the trained exploration geochemist. Partitioning the available material for various analytical schemes may result in poor sample integrity, particularly for gold analysis. The heterogeneity associated with gold is more pronounced in concentrates and coarser fractions. The use of nondestructive neutron activation permits analysis of the entire concentrate regardless of size thereby avoiding the heterogeneity problem and at the same time preserving the sample for other purposes. In addition to regular irradiations, an epithermal irradiation can be used to produce lower background radiation levels. This allows for greater sensitivity of key elements and the earlier return of samples for examination.

Prices are based on volume of material irradiated. Three sizes of irradiation vial are available: 1.5 ml (1-2 g), 8 ml (6-20 g), 30 ml (30-60 g).

Group 14-1 Regular Irradiation				Group 14-2 Epithermal Irradiation			
Gold	5 ppb	Molybdenum	5 ppm	Gold	5 ppb	Lanthanum	10
Antimony	0.2	Nickel	200	Antimony	0.2	Molybdenum	5
Arsenic	2	Scandium	0.1	Arsenic	1	Scandium	10
Barium	100	Selenium	5	Barium	300	Tantalum	10
Calcium	1.0%	Silver	5	Chromium	0.05%	Thorium	10
Chromium	10	Sodium	0.05%	Cobalt	100	Tungsten	4
Cobalt	5	Tantalum	1	Iron	5%	Uranium	2
Hafnium	1	Thorium	0.5				
Iron	0.02%	Tungsten	4				
Lanthanum	1.0	Uranium	0.5				
Lutetium	0.1	Zinc	50				
1.5 ml 8 ml 30 ml				1.5 ml 8 ml 30 ml			
1st element \$6.50 \$10.00 \$12.00				1st element \$6.50 \$10.00 \$12.00			
Each add'l 1.00 1.00 1.00				Each add'l 1.00 1.00 1.00			
Lot 10.00 11.00 14.00				Lot 10.00 11.00 14.00			

NOTE: Detection limits will vary depending on sample matrix, particularly for heavy mineral concentrates.

Quantitative Assays and Analyses

Ores, Minerals, Concentrates, Mill Products, Bullion and the Like

Group 50

Gold Bullion — Fineness	\$63.00	Indium, In	\$20.00
Gold Bullion %	30.00	Insolubles	5.50
Silver Bullion — Fineness	63.00	Iodine, I	20.00
Silver Bullion %	30.00	Iron, Fe	6.50
*Gold, Au	7.50	Iron, Ferrous	10.00
*Silver, Ag	7.50	Lanthanum, La ₂ O ₃	10.00
*Gold & Silver Concurrent	13.00	Lead, Pb	7.00
Metallics	17.00	Lithium, Li ₂ O	11.00
*Platinum, Pt	25.00	Loss on Ignition, LOI	6.00
*Palladium, Pd	25.00	Magnesium, MgO	10.00
*Platinum & Palladium Concurrent ..	40.00	Manganese, Mn	9.00
Rhodium, Rh	25.00	Mercury, Hg	10.00
Aluminum, Al ₂ O ₃	10.00	Molybdenum, Mo	8.00
Antimony, Sb	9.00	Nickel, Ni	6.50
Arsenic, As	9.00	Nickel as Sulfide, S ₂ -Ni	7.00
Barium, Ba	10.00	Niobium, Nb ₂ O ₅	10.00
Beryllium, BeO	15.00	Organic Matter (LOI at 450°C)	6.50
Bismuth, Bi	9.00	Phosphorous, P ₂ O ₅	10.00
Boron, B	15.00	Potassium, K ₂ O	10.00
Bromine, Br	10.00	Rare Earths	
Cadmium, Cd	9.00	— Combined Total	60.00
Calcium, CaO	10.00	— Semi-Quantitative	25.00
Carbon, graphitic	18.50	Rubidium, Rb	10.00
Carbon-Total, C	15.50	Salinity (Total)	6.00
Carbon, organic	13.00	Selenium, Se	20.00
Carbon, organic (LOI at 450°C)	6.50	Silica, SiO ₂	10.00
Carbon Dioxide, CO ₂	10.00	Sodium, Na ₂ O	10.00
Cerium, CeO ₂	10.00	Strontium, Sr	10.00
Cesium, Cs	10.00	Sulphur, S	8.00
Chlorine, Cl	8.00	Sulphate, SO ₄	10.00
Chlorine, Cl (Soluble)	8.00	Tantalum, Ta ₂ O ₅	20.00
Chromium, Cr	10.00	Tellurium, Te	20.00
Cobalt, Co	6.50	Thallium, Tl	20.00
Copper, Cu	6.50	Thorium, ThO ₂	9.50
Copper, Oxide or Native	7.50	Tin, Sn	10.00
Copper, Sulphide	7.50	Titanium, TiO ₂	10.00
Fluorine, F	10.00	Tungsten, WO ₃	10.00
Gallium, Ga	15.00	Uranium, U ₃ O ₈	10.00
Germanium, Ge	15.00	Vanadium, V ₂ O ₅	10.00
Hafnium, Hf	15.00	Yttrium, Y ₂ O ₃	10.00
H ₂ O— (Moisture)	5.50	Zinc, Zn	6.50
H ₂ O+ (Contained)	7.00	Zirconium, ZrO ₂	10.00

*Routine assays are performed on 20 gram aliquots. If 30 gram (~1AT) aliquots are to be used a surcharge of \$1.50 is applied.

Umpire assays are charged at three times the normal assay tariffs.

Shipper's representative analyses are charged at two times the normal assay tariffs.



Stable Isotope Analysis by ICP/MS

Lead 204, 206, 207, 208 \$100.00

This analysis is useful for geochemical fingerprinting. Inquiries are invited for analysis of other heavy stable isotopes.

Mineralogical Analysis

XRD Scan without interpretation \$17.00
XRD Scan with identification of selected minerals \$25.00
XRD Scan with full interpretation (excluding clay speciation) \$45.00
XRD Scan with full interpretation and clay speciation \$200.00

NOTE: The above quotations do not include clay separations.

Examination of thin sections and polished sections, magnetic and heavy liquid separates, microprobe and SEM reports, etc. Prices on request

Physical Characteristics

Various tests for physical characteristics are offered such as:

Particle size analysis (Sedigraph)	Heavy media separations
Brightness (Tri Stimulus)	Specific gravity
Particle size distribution (Screen Analysis)	Porosity

Inquiries are invited.

Computing Services

XRAL offers a wide range of computer services, some of which are listed below.

Data Transmission

In addition to receiving hard copy reports, results may also be sent to you in machine readable form, either on magnetic media (tapes, discs, or diskettes) or electronically.

XRAL can transmit data electronically to you in a number of different cost effective ways: to a terminal or personal computer in the field or office, or to your main computer. Amongst other methods, Envoy 100 Electronic Mail and direct dial-up via modems are the most popular. First time transmission of reports is FREE OF CHARGE. Call for details and free consultation on the most appropriate data transfer method for your business.

Data Storage and Retrieval

Analytical data are stored for 5 years (60 months) from the date of reporting. The data are stored initially on-line in our computer where they are instantly available. After 90 days they are stored off-line in our tape library, and after 6 months they are archived in off-site storage locations for safe keeping. Data are stored free of charge, but a nominal charge is made for retrieval.

A project data-base can be maintained on-line for up to 6 months, with additional data entry if necessary.

Graphics and Statistics

The following services are offered. Please call for prices.

Jensen Cation Plots, CIPW norms, Irvine-Barager Calculations	Listings
Histograms, Probability and Cumulative Frequency Plots	Multivariate Analysis
Drill Hole Profiles (maximum 2 elements per profile)	Chondrite Plots
Statistics (Mean, Standard Deviation)	

CERTIFICATE OF ANALYSIS

TO: FOLLODAL VERK A/S
ATTN: IVAR KILLI
2661 HJERKINN
NORWAY

CUSTOMER NO. 295

DATE SUBMITTED
4-SEP-86

REPORT 29483

REF. FILE 24875-

701 C.ROCKS PROJ. 330.250

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPM	FADCP	1.000
CU PPM	DCP	0.500
AG PPM	DCP	0.500
SB PPM	FAA	0.100
PT PPM	FADCP	10.000
PB PPM	DCP	2.000
BI PPM	FAA	0.100

DATE 08-OCT-86

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY J. H. Johnson

	1	2
Yarn	350	
Cotton	254	
Wine	22	
Spin down	16	
Wipes	19	
Wipes	4	
		5675

SAMPLE	AU PPB	CU PPM	AG PPM	SE PPM
CUNC-86-275	6	--	--	--
CUNC-86-276	3	--	--	--
CUNC-86-P1-1	22 1	--	--	--
CUNC-86-P1-2	2 1	--	--	--
CUNC-86-P1-3	3 3	--	--	--
CUNC-86-P1-4	<1	--	--	--
CUNC-86-P1-5	2 4	--	--	--
CUNC-86-P1-6	2 3	--	--	--
CUNC-86-P1-7	2 6	--	--	--
CUNC-86-P1-8	6 4	--	--	--
CUNC-86-P1-9	1 8	--	--	--
CUNC-86-P1-10	22 4	--	--	--
CUNC-86-P1-11	1 10	--	--	--
CUNC-86-P1-12	<1	--	--	--
CUNC-86-P1-13	2 11	--	--	--
CUNC-86-P1-14	2 12	--	--	--
CUNC-86-P1-15	<1	--	--	--
CUNC-86-P1-16	<1	--	--	--
CUNC-86-P1-17	<1	--	--	--
CUNC-86-P1-18	<1	--	--	--
CUNC-86-P1-19	<1	--	--	--
CUNC-86-P1-20	<1	--	--	--
CUNC-86-P1-21	1 13	--	--	--
CUNC-86-P1-22	3 11	--	--	--
CUNC-86-P1-23	3 15	--	--	--
CUNC-86-P1-24	3 12	--	--	--
CUNC-86-P1-25	2 17	--	--	--
CUNC-86-P1-26	3 6	--	--	--
CUNC-86-P1-27	1 11	--	--	--
CUNC-86-P1-28	2 21	--	--	--
CUNC-86-P1-29	<1	--	--	--
CUNC-86-P1-30	1 10	--	--	--
CUNC-86-P1-31	2	--	--	--
CUNC-86-P1-32	2 11	--	--	--
CUNC-86-P1-33	<1	--	--	--
CUNC-86-P1-34	1 16	--	--	--
CUNC-86-P1-35	21 15	--	--	--
CUNC-86-P1-36	<1	--	--	--
CUNC-86-P1-37	1	--	--	--
CUNC-86-P1-38	1	--	--	--
CUNC-86-P1-39	1	--	--	--
CUNC-86-P1-40	4	--	--	--
CUNC-86-P1-41	1	--	--	--
CUNC-86-P1-42	2	--	--	--
CUNC-86-P1-43	2 32	--	--	--
CUNC-86-P1-44	<1	--	--	--
CUNC-86-P1-45	2	--	--	--
CUNC-86-P1-46	1 39	--	--	--

SAMPLE	AG PPM	CU PPM	AG PPM	SD PPM
CUNC-86-P1-47	<1	--	--	--
CUNC-86-P1-48	2.35	--	--	--
CUNC-86-P1-49	<1	--	--	--
CUNC-86-P1-50	1.30	--	--	--
CUNC-86-P1-51	<1	--	--	--
CUNC-86-P1-52	<1	--	--	--
CUNC-86-P1-53	<1	--	--	--
CUNC-86-P1-54	<1	--	--	--
CUNC-86-P1-55	<1	--	--	--
CUNC-86-P1-56	3.11	--	--	--
CUNC-86-P1-57	<1	--	--	--
CUNC-86-P1-58	<1	--	--	--
CUNC-86-P1-59	<1	--	--	--
CUNC-86-P1-60	5.26	--	--	--
CUNC-86-P1-61	<1	--	--	--
CUNC-86-P1-62	<1	--	--	--
CUNC-86-P1-63	2	--	--	--
CUNC-86-P1-64	10.42	--	--	--
CUNC-86-P1-65	<1	--	--	--
CUNC-86-P1-66	<1	--	--	--
CUNC-86-P1-67	<1	--	--	--
CUNC-86-P1-68	<1	--	--	--
CUNC-86-P1-69	<1	--	--	--
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CUNC-86-P1-71	1.42	--	--	--
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CUNC-86-P1-79	<1	--	--	--
CUNC-86-P1-80	4	--	--	--
CUNC-86-P1-81	4.42	--	--	--
CUNC-86-P1-82	<1	--	--	--
CUNC-86-P1-83	<1	--	--	--
CUNC-86-P1-84	1	--	--	--
CUNC-86-P1-85	2	--	--	--
CUNC-86-P1-86	1.50	--	--	--
CUNC-86-P1-87	<1	--	--	--
CUNC-86-P1-88	<1	--	--	--
CUNC-86-P1-89	2	--	--	--
CUNC-86-P1-90	1.52	--	--	--
CUNC-86-P1-91	<1	--	--	--
CUNC-86-P1-92	1	--	--	--
CUNC-86-P1-93	2	--	--	--
CUNC-86-P1-94	1.55	--	--	--

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SAMPLE	AU PPB	CU PPM	AG PPM	SS PPM
CUNC-86-P1-95	1	--	--	--
CUNC-86-P1-96	9	--	--	--
CUNC-86-P1-97	3	--	--	--
CUNC-86-P1-98	159	--	--	--
CUNC-86-P1-99	<1	--	--	--
CUNC-86-P1-100	<1	--	--	--
CUNC-86-P1-101	<1	--	--	--
CUNC-86-P1-102	<1	--	--	--
CUNC-86-P1-103	<1	--	--	--
CUNC-86-P1-104	260	--	--	--
CUNC-86-P1-105	161	--	--	--
CUNC-86-P1-106	<1	--	--	--
CUNC-86-P1-107	<1	--	--	--
CUNC-86-P1-108	262	--	--	--
CUNC-86-P1-109	<1	--	--	--
CUNC-86-P1-110	263	--	--	--
CUNC-86-P1-111	<1	--	--	--
CUNC-86-P1-112	<1	--	--	--
CUNC-86-P1-113	564	--	--	--
CUNC-86-P1-114	2	--	--	--
CUNC-86-P1-115	166	--	--	--
CUNC-86-P1-116	<1	--	--	--
CUNC-86-P1-117	<1	--	--	--
CUNC-86-P1-118	<1	--	--	--
CUNC-86-P1-119	667	--	--	--
CUNC-86-P1-120	268	--	--	--
CUNC-86-P1-121	<1	--	--	--
CUNC-86-P1-122	269	--	--	--
CUNC-86-P1-123	<1	--	--	--
CUNC-86-P1-124	<1	--	--	--
CUNC-86-P1-125	<1	--	--	--
CUNC-86-P1-126	270	--	--	--
CUNC-86-P1-127	<1	--	--	--
CUNC-86-P1-128	571	--	--	--
CUNC-86-P1-129	<1	--	--	--
CUNC-86-P1-130	172	--	--	--
CUNC-86-P1-131	<1	--	--	--
CUNC-86-P1-132	<1	--	--	--
CUNC-86-P1-133	SMP MISS	--	--	--
CUNC-86-P1-134	1773	--	--	--
CUNC-86-P1-135	270	--	--	--
CUNC-86-P1-136	<1	--	--	--
CUNC-86-P1-137	175	--	--	--
CUNC-86-P1-138	<1	--	--	--
CUNC-86-P1-139	<1	--	--	--
CUNC-86-P1-140	<1	--	--	--
CUNC-86-P1-141	<1	--	--	--
CUNC-86-P1-142	577	--	--	--

SMP. MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

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SAMPLE	AU PPM	CU PPM	AG PPM	SB PPM
CUNC-86-P1-143	<1	--	--	--
CUNC-86-P1-144	2.77	--	--	--
CUNC-86-P1-145	<1	--	--	--
CUNC-86-P1-146	2.46	--	--	--
CUNC-86-P1-147	<1	--	--	--
CUNC-86-P1-148	1.97	--	--	--
CUNC-86-P1-149	<1	--	--	--
CUNC-86-P1-150	<1	--	--	--
CUNC-86-P1-151	<1	--	--	--
CUNC-86-P1-152	<1	--	--	--
CUNC-86-P1-153	<1	--	--	--
CUNC-86-P1-154	2.60	--	--	--
CUNC-86-P1-155	<1	--	--	--
CUNC-86-P1-156	<1	--	--	--
CUNC-86-P1-157	<1	--	--	--
CUNC-86-P1-158	<1	--	--	--
CUNC-86-P1-159	<1	--	--	--
CUNC-86-P1-160	<1	--	--	--
CUNC-86-P2-1	<1	--	--	--
CUNC-86-P2-2	<1	--	--	--
CUNC-86-P2-3	<1	--	--	--
CUNC-86-P2-4	2.12	--	--	--
CUNC-86-P2-5	9	--	--	--
CUNC-86-P2-6	<1	--	--	--
CUNC-86-P2-7	<1	--	--	--
CUNC-86-P2-8	<1	--	--	--
CUNC-86-P2-9	<1	--	--	--
CUNC-86-P2-10	<1	--	--	--
CUNC-86-P2-11	<1	--	--	--
CUNC-86-P2-12	<1	--	--	--
CUNC-86-P2-13	2.14	--	--	--
CUNC-86-P2-14	9	--	--	--
CUNC-86-P2-15	<1	--	--	--
CUNC-86-P2-16	<1	--	--	--
CUNC-86-P2-17	<1	--	--	--
CUNC-86-P2-18	<1	--	--	--
CUNC-86-P2-19	<1	--	--	--
CUNC-86-P2-20	2.16	--	--	--
CUNC-86-P2-21	<1	--	--	--
CUNC-86-P2-22	<1	--	--	--
CUNC-86-P2-23	<1	--	--	--
CUNC-86-P2-24	<1	--	--	--
CUNC-86-P2-25	<1	--	--	--
CUNC-86-P2-26	<1	--	--	--
CUNC-86-P2-27	<1	--	--	--
CUNC-86-P2-28	<1	--	--	--
CUNC-86-P2-29	<1	--	--	--
CUNC-86-P2-30	1.16	--	--	--

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SAMPLE	AU PPB	CU PPM	AG PPM	SE PPM
CUNC-86-P2-31	<1 19	--	--	--
CUNC-86-P2-32	3 10	--	--	--
CUNC-86-P2-33	<1	--	--	--
CUNC-86-P2-34	<1	--	--	--
CUNC-86-P2-35	<1	--	--	--
CUNC-86-P2-36	<1	--	--	--
CUNC-86-P2-37	<1	--	--	--
CUNC-86-P2-38	<1	--	--	--
CUNC-86-P2-39	<1	--	--	--
CUNC-86-P2-40	<1 11	--	--	--
CUNC-86-P2-41	<1	--	--	--
CUNC-86-P2-42	<1	--	--	--
CUNC-86-P2-43	<1	--	--	--
CUNC-86-P2-44	<1	--	--	--
CUNC-86-P2-45	<1	--	--	--
CUNC-86-P2-46	3 12	--	--	--
CUNC-86-P2-47	2 12	--	--	--
CUNC-86-P2-48	<1 13	--	--	--
CUNC-86-P2-49	4 14	--	--	--
CUNC-86-P2-50	3 14	--	--	--
CUNC-86-P2-51	<1	--	--	--
CUNC-86-P2-52	<1	--	--	--
CUNC-86-P2-53	<1 15	--	--	--
CUNC-86-P2-54	<1	--	--	--
CUNC-86-P2-55	<1	--	--	--
CUNC-86-P2-56	2 16	--	--	--
CUNC-86-P2-57	<1	--	--	--
CUNC-86-P3-1	3	--	--	--
CUNC-86-P3-2	<1	--	--	--
CUNC-86-P3-3	<1	--	--	--
CUNC-86-P3-4	<1	--	--	--
CUNC-86-P3-5	2	--	--	--
CUNC-86-P3-6	<1	--	--	--
CUNC-86-P3-7	2	--	--	--
CUNC-86-P3-8	16	--	--	--
CUNC-86-P3-9	<1	--	--	--
CUNC-86-P3-10	<1	--	--	--
CUNC-86-P3-11	<1	--	--	--
CUNC-86-P3-12	<1	--	--	--
CUNC-86-P3-13	<1	--	--	--
CUNC-86-P3-14	<1	--	--	--
CUNC-86-P3-15	3	--	--	--
CUNC-86-P3-16	<1	--	--	--
CUNC-86-P3-17	<1	--	--	--
CUNC-86-P3-18	<1	--	--	--
CUNC-86-P3-19	<1	--	--	--
CUNC-86-P3-20	<1	--	--	--
CUNC-86-P4-18	<1	--	--	--

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SAMPLE	AU PPB	CU PPM	AG PPM	SE PPM
CUNC-86-P4-19	<1	--	--	--
CUNC-86-P4-20	<1	--	--	--
CUNC-86-P4-21	<1	--	--	--
CUNC-86-P4-22	<1	--	--	--
CUNC-86-P4-23	<1	--	--	--
CUNC-86-P4-24	<1	--	--	--
CUNC-86-P4-25	<1	--	--	--
CUNC-86-P4-26	<1	--	--	--
CUNC-86-P4-27	<1	--	--	--
CUNC-86-P4-28	<1	--	--	--
CUNC-86-P4-29	<1	--	--	--
CUNC-86-P4-30	<1	--	--	--
CUNC-86-P4-31	<1	--	--	--
CUNC-86-P4-32	<1	--	--	--
CUNC-86-P4-33	<1	--	--	--
CUNC-86-P4-34	2	--	--	--
CUNC-86-P4-35	<1	--	--	--
CUNC-86-P4-36	13	--	--	--
CUNC-86-P4-37	<1	--	--	--
FLISA-86-1	<1	96.0	--	--
FLISA-86-2	2	230.	--	--
FLISA-86-3	<1	91.0	--	--
GAU-86-400	8	--	--	--
GAU-86-401	<1	--	--	--
GAU-86-402	<1	--	--	--
GAU-86-403	<1	--	--	--
GAU-86-404	<1	--	--	--
GAU-86-405	<1	--	--	--
GAU-86-406	<1	--	--	--
GAU-86-407	<1	--	--	--
GAU-86-408	<1	--	--	--
GAU-86-409	<1	--	--	--
GAU-86-410	<1	--	--	--
GAU-86-411	<1	--	--	--
GAU-86-412	1	--	--	--
GAU-86-413	<1	--	--	--
GAU-86-414	1	--	--	--
GAU-86-415	3	--	--	--
GAU-86-416	3	--	--	--
GAU-86-417	<1	--	--	--
GAU-86-418	<1	--	--	--
GAU-86-419	<1	--	--	--
GAU-86-420	<1	--	--	--
GAU-86-421	<1	--	--	--
GAU-86-422	<1	--	--	--
GAU-86-423	<1	--	--	--
GAU-86-424	<1	--	--	--
GAU-86-425	<1	--	--	--

*Gunklin
rdm/lin dr vmmet*

dammmmm

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SAMPLE	AU PPB	CU PPM	AG PPM	SB PPM
GAU-86-426	<1	--	--	--
GAU-86-427	<1	--	--	--
GAU-86-428	<1	--	--	--
GAU-86-429	<1	--	--	--
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GAU-86-431	1	--	--	--
GAU-86-432	1	--	--	--
GAU-86-433	2	--	--	--
GAU-86-434	<1	--	--	--
GAU-86-435	<1	--	--	--
GAU-86-436	50	--	--	--
GAU-86-437	<1	--	--	--
GAU-86-438	3	--	--	--
GAU-86-439	2	--	--	--
GAU-86-440	1	--	--	--
GAU-86-441	26	--	--	--
GAU-86-442	4	--	--	--
GAU-86-443	2	--	--	--
GAU-86-444	<1	--	--	--
GAU-86-445	<1	--	--	--
GAU-86-446	<1	--	--	--
GAU-86-447	<1	--	--	--
GAU-86-448	<1	--	--	--
GAU-86-449	97	--	--	--
GAU-86-450	7	--	--	--
GAU-86-451	4	--	--	--
GAU-86-452	2	--	--	--
GAU-86-453	28	--	--	--
GAU-86-454	<1	--	--	--
GAU-86-455	<1	--	--	--
GAU-86-456	<1	--	--	--
GAU-86-457	3	--	--	--
GAU-86-458	2	--	--	--
GAU-86-459	2	--	--	--
GAU-86-460	<1	--	--	--
GAU-86-461	5	--	--	--
GAU-86-462	7	--	--	--
GAU-86-463	<1	--	--	--
GAU-86-464	<1	--	--	--
GAU-86-465	1	--	--	--
GAU-86-466	1	--	--	--
GAU-86-467	1	--	--	--
GAU-86-468	<1	--	--	--
GAU-86-469	<1	--	--	--
GAU-86-P1-1	<1	--	--	--
GAU-86-P1-2	12	--	--	--
GAU-86-P1-3	1	--	--	--
GAU-86-P1-4	<1	--	--	--

5

SAMPLE	AU PPB	CU PPM	AG PPM	SB PPM
GAU-86-P1-5	<1	--	--	--
GAU-86-P1-6	<1	--	--	--
GAU-86-P1-7	<1	--	--	--
GAU-86-P1-8	1	--	--	--
GAU-86-P1-9	1	--	--	--
GAU-86-P1-10	<1	--	--	--
GAU-86-P1-11	<1	--	--	--
GAU-86-P1-12	<1	--	--	--
GAU-86-P1-13	<1	--	--	--
GAU-86-P1-14	<1	--	--	--
GAU-86-P1-15	<1	--	--	--
GAU-86-P1-16	<1	--	--	--
GAU-86-P1-17	6	--	--	--
GAU-86-P1-18	<1	--	--	--
GAU-86-P1-19	<1	--	--	--
GAU-86-P1-20	<1	--	--	--
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GAU-86-P1-24	<1	--	--	--
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GAU-86-P1-26	2	--	--	--
GAU-86-P1-27	2	--	--	--
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GAU-86-P1-29	<1	--	--	--
GAU-86-P1-30	<1	--	--	--
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GAU-86-P1-32	<1	--	--	--
GAU-86-P1-33	<1	--	--	--
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GAU-86-P1-35	<1	--	--	--
GAU-86-P1-36	<1	--	--	--
GAU-86-P1-37	<1	--	--	--
GAU-86-P1-38	<1	--	--	--
GAU-86-P1-39	<1	--	--	--
GAU-86-P1-40	7	--	--	--
GAU-86-P1-41	<1	--	--	--
GAU-86-P1-42	7	--	--	--
GAU-86-P1-43	<1	--	--	--
GAU-86-P1-44	<1	--	--	--
GAU-86-P1-45	<1	--	--	--
GAU-86-P1-46	10	--	--	--
GAU-86-P1-47	2	--	--	--
GAU-86-P1-48	20	--	--	--
GAU-86-P1-49	16	--	--	--
GAU-86-P1-50	25	--	--	--
GAU-86-P1-51	1	--	--	--
GAU-86-P1-52	<1	--	--	--

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SAMPLE	AU PPB	CU PPM	AG PPM	SS PPM
GAU-86-P1-53	19	--	--	--
GAU-86-P1-54	<1	--	--	--
GAU-86-P1-55	<1	--	--	--
GAU-86-P1-56	<1	--	--	--
GAU-86-P1-57	<1	--	--	--
GAU-86-P1-58	1	--	--	--
GAU-86-P1-59	2	--	--	--
GAU-86-P1-60	<1	--	--	--
GAU-86-P1-61	<1	--	--	--
GAU-86-P1-62	21	--	--	--
GAU-86-P1-63	6	--	--	--
GAU-86-P1-64	<1	--	--	--
GAU-86-P1-65	<1	--	--	--
GAU-86-P1-66	<1	--	--	--
GAU-86-P1-67	<1	--	--	--
GAU-86-P1-68	<1	--	--	--
GAU-86-P1-69	<1	--	--	--
GAU-86-P1-70	<1	--	--	--
GAU-86-P1-71	<1	--	--	--
GAU-86-P1-72	<1	--	--	--
GAU-86-P1-73	<1	--	--	--
GAU-86-P1-74	<1	--	--	--
GAU-86-P1-75	1	--	--	--
GAU-86-P1-76	2	--	--	--
GAU-86-P1-77	<1	--	--	--
GAU-86-P1-78	<1	--	--	--
GAU-86-P1-79	<1	--	--	--
GAU-86-P1-80	<1	--	--	--
GAU-86-P1-81	<1	--	--	--
GAU-86-P1-82	<1	--	--	--
GAU-86-P1-83	4	--	--	--
GAU-86-P1-84	<1	--	--	--
GAU-86-P1-85	<1	--	--	--
GAU-86-P1-86	<1	--	--	--
GAU-86-P1-87	<1	--	--	--
GAU-86-P1-88	<1	--	--	--
GAU-86-P1-89	<1	--	--	--
GAU-86-P1-90	28	--	--	--
GAU-86-P1-91	>10000	--	--	--
GAU-86-P1-92	26	--	--	--
GAU-86-P1-93	6	--	--	--
GAU-86-P1-94	86	--	--	--
GAU-86-P1-95	6	--	--	--
GAU-86-P1-96	<1	--	--	--
GAU-86-P1-97	<1	--	--	--
GAU-86-P1-98	<1	--	--	--
GAU-86-P1-99	<1	--	--	--
GAU-86-P1-100	SMP MISS	--	--	--

SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

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SAMPLE	AU PPS	CU PPM	AG PPM	SB PPM
GAU-86-P2-1	<1	--	--	--
GAU-86-P2-2	<1	--	--	--
GAU-86-P2-3	61	--	--	--
GAU-86-P2-4	1	--	--	--
GAU-86-P2-5	<1	--	--	--
GAU-86-P2-6	<1	--	--	--
GAU-86-P2-7	<1	--	--	--
GAU-86-P2-8	<1	--	--	--
GAU-86-P2-9	<1	--	--	--
GAU-86-P2-10	<1	--	--	--
GAU-86-P2-11	1	--	--	--
GAU-86-P2-12	<1	--	--	--
GAU-86-P2-13	2	--	--	--
GAU-86-P2-14	<1	--	--	--
GAU-86-P2-15	<1	--	--	--
GAU-86-P2-16	<1	--	--	--
GAU-86-P2-17	<1	--	--	--
GAU-86-P2-18	<1	--	--	--
GAU-86-P2-19	<1	--	--	--
GAU-86-P2-20	1	--	--	--
GAU-86-P2-21	<1	--	--	--
GAU-86-P2-22	3	--	--	--
GAU-86-P2-23	<1	--	--	--
GAU-86-P2-24	2	--	--	--
GAU-86-P2-25	<1	--	--	--
GAU-86-P2-26	<1	--	--	--
GAU-86-P2-27	<1	--	--	--
GAU-86-P2-28	<1	--	--	--
GAU-86-P2-29	<1	--	--	--
GAU-86-P2-30	3	--	--	--
GAU-86-P2-31	<1	--	--	--
GAU-86-P2-32	<1	--	--	--
GAU-86-P2-33	<1	--	--	--
GAU-86-P2-34	<1	--	--	--
GAU-86-P2-35	3	--	--	--
GAU-86-P2-36	3	--	--	--
GAU-86-P2-37	<1	--	--	--
GAU-86-P2-38	<1	--	--	--
GAU-86-P2-39	7	--	--	--
GAU-86-P2-40	<1	--	--	--
GAU-86-P2-41	13	--	--	--
GAU-86-P2-42	<1	--	--	--
GAU-86-P2-43	24	--	--	--
GAU-86-P2-44	<1	--	--	--
GAU-86-P3-1	<1	--	--	--
GAU-86-P3-2	<1	--	--	--
GAU-86-P3-3	<1	--	--	--
GAU-86-P3-4	<1	--	--	--

	SAMPLE	AU PPB	CU PPM	AG PPM	SB PPM
	GAU-86-P3-5	<1	--	--	--
	GAU-86-P3-6	1	--	--	--
	GAU-86-P3-7	5	--	--	--
	GAU-86-P3-8	1	--	--	--
	GAU-86-P3-9	<1	--	--	--
	GAU-86-P3-10	<1	--	--	--
	GAU-86-P3-11	<1	--	--	--
	GAU-86-P3-12	<1	--	--	--
	GAU-86-P3-13	5	--	--	--
	GAU-86-P3-14	3	--	--	--
	GAU-86-P3-15	<1	--	--	--
	GAU-86-P3-16	8	--	--	--
	GAU-86-P3-17	<1	--	--	--
	GAU-86-P3-18	2	--	--	--
	GAU-86-P3-19	<1	--	--	--
	GAU-86-P3-20	4	--	--	--
	GAU-86-P3-21	<1	--	--	--
	GAU-86-P3-22	<1	--	--	--
	GAU-86-P3-23	<1	--	--	--
	GAU-86-P3-24	7	--	--	--
	GAU-86-P3-25	5	--	--	--
	GAU-86-P3-26	3	--	--	--
	GAU-86-P3-27	6	--	--	--
	GAU-86-P3-28	3	--	--	--
	GAU-86-P3-29	<1	--	--	--
	GAU-86-P3-30	2	--	--	--
	GAU-86-P3-31	9	--	--	--
	GAU-86-P3-32	<1	--	--	--
	GAU-86-P3-33	14	--	--	--
	GAU-86-P4-1	1	--	--	--
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	GAU-86-P4-2	13	--	--	--
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Cons	GAU -86-P4-33	<1	--	--	--
	GAU-86-P4-4	<1	--	--	--
Cons	GAU -86-P4-43	<1	--	--	--
	GAU-86-P4-5	<1	--	--	--
Cons	GAU -86-P4-52	<1	--	--	--
	GAU-86-P4-6	3	--	--	--
Cons	GAU -86-P4-63	<1	--	--	--
	GAU-86-P4-7	<1	--	--	--
Cons	GAU -86-P4-73	<1	--	--	--
	GAU-86-P4-8	230	--	--	--
Cons	GAU -86-P4-88	<1	--	--	--
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Cons	GAU -86-P4-98	<1	--	--	--
	GAU-86-P4-10	5	--	--	--

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	SAMPLE	AU PPB	CU PPM	AG PPM	SS PPM
<i>Amo</i>	GAU-86-P4-10B	8	--	--	--
	GAU-86-P4-11	3	--	--	--
<i>Amo</i>	GAU-86-P4-11B	1	--	--	--
	GAU-86-P4-12	4	--	--	--
<i>Amo</i>	GAU-86-P4-12B	2	--	--	--
	GAU-86-P4-13	5	--	--	--
<i>Amo</i>	GAU-86-P4-13B	1	--	--	--
	GAU-86-P4-14	6	--	--	--
<i>Amo</i>	GAU-86-P4-14B	2	--	--	--
	GAU-86-P4-15	<1	--	--	--
<i>Amo</i>	GAU-86-P4-15B	36	--	--	--
	GAU-86-P4-16	5	--	--	--
<i>Amo</i>	GAU-86-P4-16B	<1	--	--	--
	GAU-86-P4-17	<1	--	--	--
<i>Amo</i>	GAU-86-P4-17B	<1	--	--	--
	GAU-86-P4-18	<1	--	--	--
	GAU-86-P4-19	<1	--	--	--
	GAU-86-P4-20	<1	--	--	--
	GAU-86-P4-20B	<1	--	--	--
	GAU-86-P4-21	<1	--	--	--
	GAU-86-P4-22	<1	--	--	--
	GAU-86-P4-23	<1	--	--	--
	GAU-86-P4-24	7	--	--	--
	GAU-86-P4-25	<1	--	--	--
	GAU-86-P4-26	<1	--	--	--
	GAU-86-P4-27	1	--	--	--
	GAU-86-P4-28	140	--	--	--
	GAU-86-P4-29	<1	--	--	--
	GAU-86-P4-30	<1	--	--	--
	GAU-86-P4-31	<1	--	--	--
	GAU-86-P4-32	240	--	--	--
	GAU-86-P4-33	<1	--	--	--
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	GAU-86-P4-35	<1	--	--	--
	GAU-86-P4-36	<1	--	--	--
	GAU-86-P4-37	<1	--	--	--
	GAU-86-P4-38	<1	--	--	--
	GAU-86-P4-39	<1	--	--	--
	GAU-86-P4-40	<1	--	--	--
	GAU-86-P4-41	<1	--	--	--
	GAU-86-P4-42	<1	--	--	--
	GAU-86-P4-43	<1	--	--	--
	GAU-86-P4-44	<1	--	--	--
	GAU-86-P4-45	<1	--	--	--
	GAU-86-P4-46	3	--	--	--
	GAU-86-P4-47	<1	--	--	--
	GAU-86-P4-48	<1	--	--	--
	GAU-86-P4-49	6	--	--	--

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SAMPLE	AU PPB	CU PPM	AG PPM	SB PPM
GAU-86-P4-50	4	--	--	--
GAU-86-P4-51	<1	--	--	--
GAU-86-P4-52	<1	--	--	--
GAU-86-P4-53	4	--	--	--
GAU-86-P4-54	6	--	--	--
GAU-86-P4-55	<1	--	--	--
GAU-86-P4-56	16	--	--	--
GAU-86-P4-57	<1	--	--	--
GAU-86-P4-58	<1	--	--	--
GAU-86-P4-59	>10000	--	--	--
GAU-86-P4-60	9	--	--	--
GAU-86-P4-61	<1	--	--	--
GAU-86-P4-62	<1	--	--	--
GAU-86-P4-63	<1	--	--	--
GAU-86-P4-64	<1	--	--	--
GAU-86-P4-65	15	--	--	--
GAU-86-P4-66	<1	--	--	--
GAU-86-P4-67	<1	--	--	--
GAU-86-P4-68	25	--	--	--
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GAU-86-P4-70	79	--	--	--
GAU-86-P5-1	<1	--	--	--
GAU-86-P5-2	<1	--	--	--
GAU-86-P5-3	<1	--	--	--
GAU-86-P5-4	<1	--	--	--
GAU-86-P5-5	<1	--	--	--
GAU-86-P5-6	3	--	--	--
GAU-86-P5-7	<1	--	--	--
GAU-86-P5-8	<1	--	--	--
GAU-86-P5-9	2	--	--	--
GAU-86-P5-10	2	--	--	--
GAU-86-P5-11	2200	--	--	--
GAU-86-P5-12	140	--	--	--
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GAU-86-P5-19	3	--	--	--
GAU-86-P5-20	<1	--	--	--
GAU-86-P5-21	<1	--	--	--
GAU-86-P5-22	<1	--	--	--
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GAU-86-P6-2	<1	--	--	--
GAU-86-P6-3	<1	--	--	--
GAU-86-P6-4	<1	--	--	--
GAU-86-P6-5	<1	--	--	--

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SAMPLE	AU PDB	CU PPM	AG PPM	SE PPM
GAU-86-P6-6	15	--	--	--
GAU-86-P6-7	1	--	--	--
GAU-86-P6-8	<1	--	--	--
GAU-86-P6-9	<1	--	--	--
GAU-86-P6-10	<1	--	--	--
GAU-86-P6-11	<1	--	--	--
GAU-86-P6-12	<1	--	--	--
GAU-86-P6-13	<1	--	--	--
GAU-86-P6-14	<1	--	--	--
GAU-86-P6-15	<1	--	--	--
GAU-86-P6-16	<1	--	--	--
GAU-86-P6-17	<1	--	--	--
GAU-86-P6-18	<1	--	--	--
GAU-86-P6-19	2	--	--	--
GAU-86-P6-20	<1	--	--	--
GAU-86-P7-1	<1	--	--	--
GAU-86-P7-2	<1	--	--	--
GAU-86-P7-3	<1	--	--	--
GAU-86-P8-1	<1	--	--	--
GAU-86-P8-2	11	--	--	--
GAU-86-P8-3	<1	--	--	--
GAU-86-P8-4	<1	--	--	--
GAU-86-P8-5	<1	--	--	--
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GAU-86-P8-7	<1	--	--	--
GAU-86-P8-8	<1	--	--	--
GAU-86-P8-9	<1	--	--	--
GAU-86-P8-10	3	--	--	--
GAU-86-P8-11	<1	--	--	--
GAU-86-P8-12	<1	--	--	--
GAU-86-P8-13	<1	--	--	--
GAU-86-P8-14	<1	--	--	--
GAU-86-P8-15	<1	--	--	--
GAU-86-P8-16	<1	--	--	--
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GAU-86-P9-2	<1	--	--	--
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GAU-86-P9-4	<1	--	--	--
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GAU-86-P9-8	<1	--	--	--
GAU-86-P9-9	2	--	--	--
GAU-86-P9-10	<1	--	--	--
GAU-86-P9-11	4	--	--	--
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GAU-86-P9-13	40	--	--	--

SAMPLE	AU PPS	CU PPM	AG PPM	SB PPM
GAU-86-P9-14	4	--	--	--
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GAU-86-P10-1	<1	--	--	--
GAU-86-P10-2	<1	--	--	--
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GAU-86-P10-4	<1	--	--	--
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GAU-86-P10-8	<1	--	--	--
GAU-86-P10-9	1	--	--	--
GAU-86-P10-10	2	--	--	--
GAU-86-P10-11	2	--	--	--
GAU-86-P10-12	<1	--	--	--
GAU-86-P10-13	360	--	--	--
GAU-86-P10-14	160	--	--	--
GAU-86-P10-15	59	--	--	--
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HCG-86-1	<1	--	--	--
HCG-86-2	4	--	--	--
LANGASEN-86-1	9	--	54.0	0.1
LANGASEN-86-2	13	--	71.0	0.1
LANGASEN-86-3	160	--	120.	0.1
S-BJORNTJER-86-1	<1	--	--	--
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UTSJODEN-86-1	<1	--	--	--
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GAU-86-P9-12A	12	--	--	--
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GAU-86-P9-14A	<1	--	--	--
GAU-86-P9-15A	<1	--	--	--

SAMPLE	DT PDB	PE PPM	BI PPM
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CUNC-86-P1-2	--	--	--
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CUNC-86-P1-4	--	--	--
CUNC-86-P1-5	--	--	--
CUNC-86-P1-6	--	--	--
CUNC-86-P1-7	--	--	--
CUNC-86-P1-8	--	--	--
CUNC-86-P1-9	--	--	--
CUNC-86-P1-10	--	--	--
CUNC-86-P1-11	--	--	--
CUNC-86-P1-12	--	--	--
CUNC-86-P1-13	--	--	--
CUNC-86-P1-14	--	--	--
CUNC-86-P1-15	--	--	--
CUNC-86-P1-16	--	--	--
CUNC-86-P1-17	--	--	--
CUNC-86-P1-18	--	--	--
CUNC-86-P1-19	--	--	--
CUNC-86-P1-20	--	--	--
CUNC-86-P1-21	--	--	--
CUNC-86-P1-22	--	--	--
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CUNC-86-P1-25	--	--	--
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CUNC-86-P1-27	--	--	--
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CUNC-86-P1-41	--	--	--
CUNC-86-P1-42	--	--	--
CUNC-86-P1-43	--	--	--
CUNC-86-P1-44	--	--	--
CUNC-86-P1-45	--	--	--
CUNC-86-P1-46	--	--	--

SAMPLE	PT PPB	PB PPM	BI PPM
CUNC-86-P1-47	--	--	--
CUNC-86-P1-48	--	--	--
CUNC-86-P1-49	--	--	--
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CUNC-86-P1-51	--	--	--
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CUNC-86-P1-56	--	--	--
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CUNC-86-P1-58	--	--	--
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CUNC-86-P1-60	--	--	--
CUNC-86-P1-61	--	--	--
CUNC-86-P1-62	--	--	--
CUNC-86-P1-63	--	--	--
CUNC-86-P1-64	--	--	--
CUNC-86-P1-65	--	--	--
CUNC-86-P1-66	--	--	--
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CUNC-86-P1-71	--	--	--
CUNC-86-P1-72	--	--	--
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GAU-86-P4-25	--	--	--
GAU-86-P4-26	--	--	--
GAU-86-P4-27	--	--	--
GAU-86-P4-28	--	--	--
GAU-86-P4-29	--	--	--
GAU-86-P4-30	--	--	--
GAU-86-P4-31	--	--	--
GAU-86-P4-32	--	--	--
GAU-86-P4-33	--	--	--
GAU-86-P4-34	--	--	--
GAU-86-P4-35	--	--	--
GAU-86-P4-36	--	--	--
GAU-86-P4-37	--	--	--
GAU-86-P4-38	--	--	--
GAU-86-P4-39	--	--	--
GAU-86-P4-40	--	--	--
GAU-86-P4-41	--	--	--
GAU-86-P4-42	--	--	--
GAU-86-P4-43	--	--	--
GAU-86-P4-44	--	--	--
GAU-86-P4-45	--	--	--
GAU-86-P4-46	--	--	--
GAU-86-P4-47	--	--	--
GAU-86-P4-48	--	--	--
GAU-86-P4-49	--	--	--

SAMPLE	PT PPE	PD PPM	BI PPM
GAU-86-P4-50	--	--	--
GAU-86-P4-51	--	--	--
GAU-86-P4-52	--	--	--
GAU-86-P4-53	--	--	--
GAU-86-P4-54	--	--	--
GAU-86-P4-55	--	--	--
GAU-86-P4-56	--	--	--
GAU-86-P4-57	--	--	--
GAU-86-P4-58	--	--	--
GAU-86-P4-59	--	--	--
GAU-86-P4-60	--	--	--
GAU-86-P4-61	--	--	--
GAU-86-P4-62	--	--	--
GAU-86-P4-63	--	--	--
GAU-86-P4-64	--	--	--
GAU-86-P4-65	--	--	--
GAU-86-P4-66	--	--	--
GAU-86-P4-67	--	--	--
GAU-86-P4-68	--	--	--
GAU-86-P4-69	--	--	--
GAU-86-P4-70	--	--	--
GAU-86-P5-1	--	--	--
GAU-86-P5-2	--	--	--
GAU-86-P5-3	--	--	--
GAU-86-P5-4	--	--	--
GAU-86-P5-5	--	--	--
GAU-86-P5-6	--	--	--
GAU-86-P5-7	--	--	--
GAU-86-P5-8	--	--	--
GAU-86-P5-9	--	--	--
GAU-86-P5-10	--	--	--
GAU-86-P5-11	--	--	--
GAU-86-P5-12	--	--	--
GAU-86-P5-13	--	--	--
GAU-86-P5-14	--	--	--
GAU-86-P5-15	--	--	--
GAU-86-P5-16	--	--	--
GAU-86-P5-17	--	--	--
GAU-86-P5-18	--	--	--
GAU-86-P5-19	--	--	--
GAU-86-P5-20	--	--	--
GAU-86-P5-21	--	--	--
GAU-86-P5-22	--	--	--
GAU-86-P6-1	--	--	--
GAU-86-P6-2	--	--	--
GAU-86-P6-3	--	--	--
GAU-86-P6-4	--	--	--
GAU-86-P6-5	--	--	--

SAMPLE	PT PPB	PB PPM	BI PPM
GAU-86-P6-6	--	--	--
GAU-86-P6-7	--	--	--
GAU-86-P6-8	--	--	--
GAU-86-P6-9	--	--	--
GAU-86-P6-10	--	--	--
GAU-86-P6-11	--	--	--
GAU-86-P6-12	--	--	--
GAU-86-P6-13	--	--	--
GAU-86-P6-14	--	--	--
GAU-86-P6-15	--	--	--
GAU-86-P6-16	--	--	--
GAU-86-P6-17	--	--	--
GAU-86-P6-18	--	--	--
GAU-86-P6-19	--	--	--
GAU-86-P6-20	--	--	--
GAU-86-P7-1	--	--	--
GAU-86-P7-2	--	--	--
GAU-86-P7-3	--	--	--
GAU-86-P8-1	--	--	--
GAU-86-P8-2	--	--	--
GAU-86-P8-3	--	--	--
GAU-86-P8-4	--	--	--
GAU-86-P8-5	--	--	--
GAU-86-P8-6	--	--	--
GAU-86-P8-7	--	--	--
GAU-86-P8-8	--	--	--
GAU-86-P8-9	--	--	--
GAU-86-P8-10	--	--	--
GAU-86-P8-11	--	--	--
GAU-86-P8-12	--	--	--
GAU-86-P8-13	--	--	--
GAU-86-P8-14	--	--	--
GAU-86-P8-15	--	--	--
GAU-86-P8-16	--	--	--
GAU-86-P8-17	--	--	--
GAU-86-P9-1	--	--	--
GAU-86-P9-2	--	--	--
GAU-86-P9-3	--	--	--
GAU-86-P9-4	--	--	--
GAU-86-P9-5	--	--	--
GAU-86-P9-6	--	--	--
GAU-86-P9-7	--	--	--
GAU-86-P9-8	--	--	--
GAU-86-P9-9	--	--	--
GAU-86-P9-10	--	--	--
GAU-86-P9-11	--	--	--
GAU-86-P9-12	--	--	--
GAU-86-P9-13	--	--	--

SAMPLE	PT PPM	PB PPM	BI PPM
GAU-86-P9-14	--	--	--
GAU-86-P9-15	--	--	--
GAU-86-P10-1	--	--	--
GAU-86-P10-2	--	--	--
GAU-86-P10-3	--	--	--
GAU-86-P10-4	--	--	--
GAU-86-P10-5	--	--	--
GAU-86-P10-6	--	--	--
GAU-86-P10-7	--	--	--
GAU-86-P10-8	--	--	--
GAU-86-P10-9	--	--	--
GAU-86-P10-10	--	--	--
GAU-86-P10-11	--	--	--
GAU-86-P10-12	--	--	--
GAU-86-P10-13	--	--	--
GAU-86-P10-14	--	--	--
GAU-86-P10-15	--	--	--
GAU-86-P10-16	--	--	--
HCG-86-1	--	--	--
HCG-86-2	--	--	--
LANGASEN-86-1	--	8000	<0.1
LANGASEN-86-2	--	970	1.0
LANGASEN-86-3	--	1300	0.4
S-BJCRNTJER-86-1	--	--	--
TRE-86-1	--	--	--
UTSJOEN-86-1	--	--	--
UTSJOEN-86-2	--	--	--
GAU-86-P9-12A	--	--	--
GAU-86-P9-13A	--	--	--
GAU-86-P9-14A	--	--	--
GAU-86-P9-15A	--	--	--

CERTIFICATE OF ANALYSIS

TO: FOLLDAL VERK A/S
ATTN: J.I. TOLLEFOND
2661 HJERKINN
NORWAY

CUSTOMER NO. 295

DATE SUBMITTED
19-JUN-86

REPORT 28417

REF. FILE 23877-PH

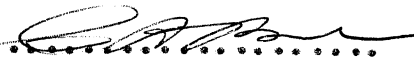
38 PULPS ON HAND RE: WO#18310/18544/19121/19427/19911

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
B PPM	DCP	10.000
C %	MISC	0.010
C GRAP %	MISC	0.050
WRMAJ %	WP	0.010
S %	XRF	0.010
AS PPM	FAA	0.100
WRMIN PPM	WR	10.000
SB PPM	FAA	0.100
TE PPM	GFAA	0.100
W PPM	NA	1.000
BI PPM	FAA	0.100

X-RAY ASSAY LABORATORIES LIMITED

DATE 13-JUL-86

CERTIFIED BY 

SAMPLE	B PPM	C %	C GRAP %	S %	AS PPM
GAU-34-15-53.50-56.60	--	--	--	1.39	--
GAU-84-17-57.40-59.40	--	--	--	0.62	--
GAU-34-21-61.60-62.60	--	--	--	1.13	--
GAU-34-22-62.60-63.60	--	--	--	1.65	--
GAU-34-43 13.8-14.8n	--	--	--	0.54	--
GAU-34-44 14.8-15.8	--	--	--	0.16	--
GAU-34-45 15.8-16.8	--	--	--	0.12	--
GAU-34-46 16.8-17.8	--	--	--	0.21	--
GAU-34-47 17.8-18.8	--	--	--	0.62	--
GAU-34-48 18.8-19.8	--	--	--	0.62	--
GAU-34-49 19.8-20.8	--	--	--	0.14	--
GAU-34-50 20.8-21.8	--	--	--	0.37	--
GAU-34-51 33-34	<10	5.78	0.07	2.14	--
GAU-34-52 34-35	--	--	--	2.43	--
GAU-34-04-59 21.8-22.8	--	--	--	0.04	--
GAU-34-04-60 22.8-23.8	<10	6.51	0.75	NSS	--
GAU-34-04-61 23.8-24.8	--	--	--	0.03	--
GAU-34-04-62 24.8-25.8	--	--	--	0.01	--
GAU-34-04-63 25.8-26.8	--	--	--	NIL	--
GAU-34-04-64 26.8-27.8	--	--	--	0.01	--
GAU-34-04-65 27.8-28.8	--	--	--	NIL	--
GAU-34-04-66 28.8-29.8	--	--	--	NIL	--
GAU-34-04-67 29.8-30.8	--	--	--	TRACE	--
GAU-34-04-68 30.8-31.8	--	--	--	0.29	--
GAU-34-04-69 31.8-32.8	--	--	--	0.15	--
GAU-34-04-70 32.8-33.8	--	--	--	0.02	--
GAU-34-04-71 33.8-34.8	--	--	--	0.10	--
GAU-34-04-72 34.8-35.8	--	--	--	0.04	--
GAU-34-04-73 35.8-36.8	--	--	--	0.04	--
GAU-34-06-29.0-30.0	--	--	--	0.15	--
GAU-34-06-30.0-31.0	--	--	--	0.15	--
GAU-34-06-31.0-32.0	--	--	--	0.26	--
34-03.21.0-24.0	--	--	--	NIL	1.3
34-04-2.0-3.0	--	--	--	NIL	1.5
34-04-3.0-6.0	--	--	--	0.05	0.9
34-04-6.0-9.0	--	--	--	0.05	0.8
34-04-9.0-12.0	--	--	--	TRACE	7.6
34-04-12.0-13.8	--	--	--	NIL	1.1

38 pison

NSS - NOT SUFFICIENT SAMPLE

SAMPLE	SS PPM	TE PPM	W PPM	BI PPM
GAU-84-15-5350-5660	0.5	--	2	--
GAU-84-17-5740-5840	0.3	--	<2	--
GAU-84-21-6160-6260	7.2	--	<1	--
GAU-84-22-6260-6360	7.1	--	<1	--
GAU-84-43 1144 13.8-14.8	0.3	--	--	--
GAU-84-44	0.1	--	--	--
GAU-84-45	0.1	--	--	--
GAU-84-46	0.1	--	--	--
GAU-84-47	0.2	--	--	--
GAU-84-48	0.2	--	--	--
GAU-84-49	0.1	--	--	--
GAU-84-50 1144-21.8	0.2	--	--	--
GAU-84-51 33-34	0.3	10.0	4	154.
GAU-84-52 74-75	0.1	--	3	--
GAU-84-04-59 21.8-22.2	0.4	--	--	--
GAU-84-04-60 22.8-25.8	0.1	0.1	54	0.2
GAU-84-04-61 25.8-28.8	0.1	--	--	0.5
GAU-84-04-62 28.8-31	<0.1	--	2	--
GAU-84-04-63 31-32	0.2	--	21	--
GAU-84-04-64 32-37	0.1	--	1	--
GAU-84-04-65 35-36	<0.1	--	10	--
GAU-84-04-66 36-37	<0.1	--	3	--
GAU-84-04-67 37-40	<0.1	--	7	--
GAU-84-04-68 40-43	0.1	--	2	--
GAU-84-04-69 43-46	0.1	--	4	--
GAU-84-04-70 49-52	0.1	--	4	--
GAU-84-04-71 52-55	0.1	--	1	--
GAU-84-04-72 55-58	0.1	--	--	--
GAU-84-04-73 58-61	0.1	--	--	--
GAU-84-06-29.0-30.0	0.1	--	<1	--
GAU-84-06-30.0-31.0	0.1	--	7	--
GAU-84-06-31.0-32.0	0.1	--	6	--
84-03.21.0-24.0	0.1	--	1	--
84-04-2.0-3.0	<0.1	--	<1	--
84-04-3.0-6.0	<0.1	--	<1	--
84-04-6.0-9.0	<0.1	--	<1	--
84-04-9.0-12.0	<0.1	--	<1	--
84-04-12.0-13.8	<0.1	--	<1	--

X	X	RRRRR	A	LL
XX	XX	RR RR	AAA	LL
XX XX		RR RR	AA AA	LL
XXX		RR RR	AA AA	LL
XXX		RRRRR	AAAAAAA	LL
XX XX		RR RR	AA AA	LL
XX XX		RR RR	AA AA	LLLLLLL
X	X	RR R	AA AA	LLLLLLL

XRF - WHOLE ROCK ANALYSIS

FOLLDAL VERK A/S
 Attn: J.I. TOLLEFOND
 2661 HJERKINN
 NORWAY

CUSTOMER No. 295

DATE SUBMITTED
 19-JUN-86

REPORT 28417 REF. FILE 23877 DATE REPORTED 18-JUL-86

XRF W. R. A. SUMS INCLUDE ALL ELEMENTS DETERMINED.
 FOR SUMMATION ELEMENTS ARE CALCULATED AS OXIDES.

SAMPLE	SI02	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TI02	P2O5	CR2O3	LOI	SUM
4-84 GAU-84-15-5350-5660	48.9 <i>hammer + auf.</i>	14.4	9.31	5.00	2.29	3.35	6.95	0.09	0.71	0.16	0.02	5.08	96.5
4-84 GAU-84-21-6160-6260	63.8 <i>gravimetric</i>	11.1	2.61	3.33	2.03	2.59	8.53	0.04	0.59	0.09	0.02	5.70	100.5
4-84-14.8-15.6 GAU-84-44	38.8 <i>epidote</i>	7.33	30.1	4.57	0.13	0.03	12.6	0.45	0.44	0.09	0.01	7.16	99.7
4-84-15.6-16.6 GAU-84-45	40.7	6.99	28.9	3.83	0.16	0.47	15.0	0.59	0.53	0.09	0.01	2.00	99.3
4-84-16.6-17.6 GAU-84-46	40.7	7.17	28.9	3.39	0.12	0.44	15.9	0.64	0.47	0.08	0.01	1.70	99.5
4-84-17.6-18.6 GAU-84-47	38.2	7.45	28.8	2.73	0.13	0.55	17.0	0.55	0.44	0.07	0.01	3.31	99.3
4-84-18.6-19.6 GAU-84-48	41.6	5.04	26.8	5.71	0.15	0.27	15.3	0.54	0.33	0.07	<0.01	2.93	98.8
4-84-19.6-20.6 GAU-84-49	40.4	5.63	29.4	3.76	0.10	0.25	16.9	0.56	0.38	0.07	0.01	1.62	99.1
4-84-23-24. GAU-84-51	24.3 <i>hammer</i>	2.24	25.9	16.6	0.07	0.06	6.90	0.21	0.17	0.10	<0.01	19.8	96.4
4-84-22.8-25.8 GAU-84-04-60	19.4	1.94	29.1	16.6	0.06	0.16	3.04	0.25	0.14	0.05	<0.01	29.2	100.0
4-84-31-32 GAU-84-04-63	28.7	6.89	22.9	15.7	0.10	1.97	3.59	0.16	0.18	0.06	<0.01	19.8	100.2
GAU-84-06-30. 0. 31. 0	54.0 <i>basaltic</i>	17.7	4.44	2.83	6.36	1.78	7.61	0.13	1.51	0.87	<0.01	1.31	98.8
84-03. 21. 0-24. 0	20.5 <i>hammer</i>	3.16	26.2	17.4	0.07	1.22	2.12	0.06	0.20	0.04	<0.01	29.2	100.2
84-04-2 0-3. 0	3.00 <i>hammer</i>	0.72	46.9	6.84	0.04	0.07	0.80	0.10	0.05	0.03	<0.01	42.0	100.6
84-04-3 0-6. 0	3.12 <i>hammer</i>	0.51	47.6	6.13	0.04	0.08	0.85	0.10	0.03	0.03	<0.01	41.8	100.3

Spitzer.

SAMPLE	RB	SR	Y	ZR	NB	BA
4-84 GAU-84-15-5350-5660	110	320	30	110	30	1170
4-84 GAU-84-21-6160-6260	140	260	20	70	10	540 ✓
4-84-14.6-15.8 GAU-84-44	10	160	20	30	10	30
4-84-15.8-16.8 GAU-84-45	10	60	<10	30	10	130
4-84-16.8-17.8 GAU-84-46	10	40	<10	40	10	140
4-84-17.8-18.8 GAU-84-47	<10	50	<10	40	20	140
4-84-18.8-19.8 GAU-84-48	<10	60	10	10	10	90
4-84-19.8-20.8 GAU-84-49	10	10	<10	30	10	110
4-84-33-34 GAU-84-51	<10	100	<10	10	20	<10
4-84-22.8-25.8 GAU-84-04-60	20	160	10	10	10	<10
4-84-31-32 GAU-84-04-63	100	250	<10	100	20	690
GAU-84-06-30.0.31.0	60	430	40	340	30	1290 ✓
84-03.21.0-24.0	70	120	<10	20	20	60 ✕
84-04-2.0-3.0	<10	110	<10	<10	10	10
84-04-3.0-6.0	10	100	<10	<10	10	20

Gar Inge

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

21302-53

TO: FOLLDAL VERK A/S

ATTN: IVAR KILLI

2661 HJERKINN

NORWAY

CUSTOMER NO. 295

DATE SUBMITTED

24-SEP-85

REPORT 25682

REF. FILE 21302-M2

111 C.ROCKS PROJ. 330 240

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
CU PPM	DCP	0.500
ZN PPM	DCP	0.500
PB PPM	DCP	2.000

DATE 11-OCT-85

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *[Signature]*

SAMPLE	AU PPB	CU PPM	ZN PPM	PB PPM
BLA-85-1	5	29.0	140.	4
BLA-85-2	<2	150.	190.	4
BLA-85-3	25	420.	26.0	4
BLA-85-4	20	240.	29.0	4
BLA-85-5	<2	120.	3.0	<2
BLA-85-6	10	63.0	11.0	2
BLA-85-7	<2	440.	12.0	8
BLA-85-8	75	180.	14.0	14
BLA-85-9	11	89.0	5.0	8
BLA-85-10	16	2500.	33.0	8
BLA-85-11	<2	5.0	42.0	10
BLA-85-12	29	230.	92.0	12
BLA-85-13	<2	600.	32.0	8
BLA-85-14	<2	63.0	47.0	8
BLA-85-15	4	1.0	70.0	8
BLA-85-16	<2	6.5	67.0	10
BLA-85-17	<2	27.0	130.	10
BLA-85-18	<2	<0.5	510.	24
BLA-85-19	<2	120.	11.0	6
BLA-85-20	5	660.	42.0	8
BLA-85-21	<2	19.0	42.0	8
BLA-85-22	<2	84.0	890.	8
BLA-85-23	<2	46.0	200.	12
BLA-85-24	<2	53.0	20.0	6
BLA-85-25	3	51.0	25.0	4
BLA-85-26	18	32.0	6.0	2
BLA-85-27	<2	19.0	8.5	<2
BLA-85-28	8	350.	150.	6
BLA-85-29	4	30.0	15.0	2
BLA-85-30	5	28.0	15.0	6
BLA-85-31	5	220.	90.0	4
BLA-85-32	<2	55.0	21.0	4
BLA-85-33	<2	4.5	7.5	4
BLA-85-34	<2	29.0	7.5	6
BLA-85-35	<2	140.	170.	6
BLA-85-36	3	67.0	14.0	6
BLA-85-37	<2	45.0	11.0	<2
BLA-85-38	29	330.	41.0	4
BLA-85-39	4	48.0	31.0	2
BLA-85-40	<2	31.0	34.0	2
BLA-85-41	<2	48.0	36.0	2
BLA-85-42	<2	24.0	23.0	4
BLA-85-43	<2	10.0	26.0	2
DUR-85-1	2	81.0	63.0	4
DUR-85-2	<2	80.0	26.0	4
DUR-85-3	<2	54.0	38.0	4
DUR-85-4	2	30.0	16.0	4
DUR-85-5	2	30.0	44.0	2
DUR-85-6	7	93.0	170.	8
DUR-85-7	9	85.0	51.0	8

Blafell
Rugvanyo

SAMPLE	AU PPB	CU PPM	ZN PPM	PB PPM
DUR-85-8	2	67.0	81.0	6
DUR-85-9	41	48.0	60.0	6
DUR-85-10	16	150.	60.0	10
DUR-85-11	<2	28.0	90.0	6
DUR-85-12	8	140.	270.	12
DUR-85-13	6	80.0	72.0	8
DUR-85-14	7	28.0	120.	6
DUR-85-15	10	110.	61.0	6
DUR-85-16	3	170.	29.0	8
DUR-85-17	12	370.	110.	6
DUR-85-18	11	270.	150.	10
DUR-85-19	2	54.0	160.	4
DUR-85-20	12	340.	88.0	4
DUR-85-21	13	>4000.	430.	2
GAU-85-401	>10000	>4000.	72.0	38
GAU-85-402	1400	>4000.	78.0	110
GAU-85-403	>10000	>4000.	>4000.	>4000
GAU-85-404	14	>4000.	150.	220
HOL-85-1	9	110.	57.0	38
HOL-85-2	6	150.	67.0	56
HOL-85-3	<2	36.0	14.0	6
HOL-85-4	<2	12.0	72.0	10
HOL-85-5	<2	87.0	52.0	8
SOL-85-1	<2	40.0	31.0	4
SOL-85-2	<2	81.0	45.0	12
SOL-85-3	<2	29.0	61.0	8
SOL-85-4	3	40.0	40.0	4
SOL-85-5	<2	38.0	28.0	8
SOL-85-6	<2	44.0	70.0	6
SOL-85-7	39	51.0	13.0	3
SOL-85-8	<2	79.0	87.0	8
SOL-85-9	<2	54.0	43.0	8
SOL-85-10	<2	25.0	70.0	40
SOL-85-11	<2	33.0	36.0	8
SOL-85-12	<2	49.0	180.	10
SOL-85-13	<2	57.0	42.0	10
SOL-85-14	<2	40.0	66.0	10
SOL-85-15	<2	47.0	47.0	10
SOL-85-16	<2	26.0	92.0	10
SOL-85-17	5	25.0	41.0	24
SOL-85-18	<2	68.0	38.0	4
SOL-85-19	1200	250.	>4000.	>4000
SOL-85-20	<2	210.	36.0	8
SOL-85-21	<2	73.0	37.0	4
SOL-85-22	5	49.0	7.5	6
SOL-85-23	25	29.0	13.0	8
SOL-85-24	9	42.0	8.0	6
SOL-85-25	<2	23.0	41.0	4
SOL-85-26	22	45.0	3.5	6
SOL-85-27	<2	50.0	64.0	4

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

SAMPLE	AU PPB	CU PPM	ZN PPM	PB PPM
SOL-85-28	<2	12.0	40.0	2
SOL-85-29	<2	130.	140.	28
SOL-85-30	<2	5.5	13.0	4
SOL-85-31	3	8.0	87.0	6
SOL-85-32	13	230.	43.0	2
SOL-85-33	<2	220.	62.0	6
SOL-85-34	<2	170.	71.0	8
STORH-85-1	<2	800.	94.0	4
TVE-85-1	6	1100.	17.0	4
TVE-85-2	<2	600.	35.0	4
TVE-85-3	<2	220.	27.0	4

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DUN MILLS, ONTARIO M3B 3J4 CAN. 1985

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: POLLDAG VERK A/S
ATTN: IVAR KILLI
2651 HJERKINN
NORWAY

CUSTOMER NO. 295

DATE SUBMITTED
5-SEP-85

REPORT 25599

REF. FILE 21121-E2

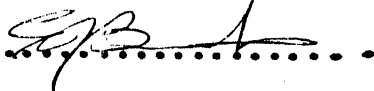
SR2 C.PULPS PROJ. 330,260

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AL PPM	FADCP	2.000
CU PPM	SCP	0.500
ZN PPM	SCP	0.500
AS PPM	FAA	0.100

DATE 03-OCT-85

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY 

OKT. 1985

NOTE: PLEASE NOTE THE FOLLOWING CHANGES IN SAMPLE NAME

NR	SERIES	SHOULD READ	GAU-85 NR
01	SERIES	SHOULD READ	GAU-85-01
02	SERIES	SHOULD READ	GAU-85-02
03	SERIES	SHOULD READ	GAU-85-03
04	SERIES	SHOULD READ	GAU-85-04
05	SERIES	SHOULD READ	GAU-85-05
06	SERIES	SHOULD READ	GAU-85-06

OUR DATA INDICATES THE PRESENCE OF

ERRATIC AU IN SOME OF THESE SAMPLES.

SAMPLE GAU-85-03-83-84 LOST IN MILLING.

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-1	<1	1.5	8.5	--
NR-2	<1	9.0	5.0	--
NR-3	5	<0.5	2.0	--
NR-4	<1	<0.5	<0.5	--
NR-5	<1	<0.5	<0.5	--
NR-6	<1	<0.5	2.0	--
NR-7	<1	<0.5	1.5	--
NR-8	<1	<0.5	2.0	--
NR-9	<1	<0.5	1.0	--
NR-10	<1	<0.5	<0.5	--
NR-11	<1	<0.5	1.0	--
NR-12	<1	<0.5	<0.5	--
NR-13	<1	<0.5	<0.5	--
NR-14	<1	<0.5	<0.5	--
NR-15	<1	<0.5	1.0	--
NR-16	22	<0.5	1.0	--
NR-17	<1	3.0	3.0	--
NR-18	8	69.0	16.0	--
NR-19	190	5.0	18.0	--
NR-20	42	1.5	12.0	--
NR-21	9	7.0	8.5	--
NR-22	5	<0.5	25.0	--
NR-23	5	140.	93.0	--
NR-24	1700	41.0	19.0	--
NR-25	8	<0.5	27.0	--
NR-26	200	5.5	13.0	--
NR-27	34	30.0	9.0	--
NR-28	74	12.0	7.0	--
NR-29	8	<0.5	11.0	--
NR-30	43	<0.5	15.0	--
NR-31	260	<0.5	13.0	--
NR-32	8500	2.0	20.0	--
NR-33	710	<0.5	23.0	--
NR-34	100	<0.5	16.0	--
NR-35	19	<0.5	20.0	--
NR-36	3200	<0.5	21.0	--
NR-37	300	<0.5	21.0	--
NR-38	460	1.5	25.0	--
NR-39	200	31.0	9.0	--
NR-40	770	4.0	13.0	--
NR-41	410	1.5	15.0	--
NR-42	710	1.5	12.0	--
NR-43	2200	0.5	9.0	--
NR-44	360	90.0	10.0	--
NR-45	15	0.5	8.5	--
NR-46	34	<0.5	8.5	--
NR-47	7	0.5	40.0	--
NR-48	250	<0.5	13.0	--
NR-49	330	<0.5	12.0	--
NR-50	9	110.	27.0	--

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-51	<1	<0.5	37.0	--
NR-52	3	1.5	23.0	--
NR-53	<1	1.5	21.0	--
NR-54	<1	<0.5	29.0	--
NR-55	9	<0.5	16.0	--
NR-56	<1	<0.5	14.0	--
NR-57	<1	<0.5	16.0	--
NR-58	<1	<0.5	15.0	--
NR-59	<1	<0.5	15.0	--
NR-60	16	<0.5	19.0	--
NR-61	170	<0.5	26.0	--
NR-62	360	30.0	24.0	--
NR-63	91	<0.5	17.0	--
NR-64	110	<0.5	15.0	--
NR-65	50	<0.5	18.0	--
NR-66	8	<0.5	41.0	--
NR-67	1400	<0.5	17.0	--
NR-68	500	11.0	18.0	--
NR-69	44	<0.5	33.0	--
NR-70	2	180.	55.0	--
NR-71	15	59.0	12.0	--
NR-72	<1	20.0	<0.5	--
NR-73	<1	1.5	<0.5	--
NR-74	<1	4.5	1.0	--
NR-75	3	4.0	<0.5	--
NR-76	<1	1.5	2.0	--
NR-77	<1	3.5	4.0	--
NR-78	3	51.0	4.5	--
NR-79	12	370.	42.0	--
NR-80	<1	5.0	2.0	--
NR-81	<1	5.0	3.0	--
NR-82	<1	33.0	1.5	--
NR-83	<1	2.0	1.0	--
NR-84	<1	9.5	1.5	--
NR-85	<1	21.0	2.0	--
NR-86	36	410.	16.0	--
NR-87	<1	12.0	38.0	--
NR-88	31	76.0	23.0	--
NR-89	3	55.0	90.0	--
NR-90A	<2	220.	68.0	--
NR-90B	<2	160.	62.0	--
NR-91	30	150.	91.0	--
NR-92	7	89.0	59.0	--
NR-93	<2	3.0	1.0	--
NR-94	6	15.0	1.5	--
NR-95	9	45.0	1.0	--
NR-96	<2	22.0	4.0	--
NR-97	<2	8.5	21.0	--
NR-98	<2	10.0	55.0	--
NR-99	<2	<0.5	1.5	--

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-100	1000	2000.	3.0	565 --
NR-101	<2	<0.5	1.0	--
NR-102	2	4.5	<0.5	--
NR-103	<2	9.5	2.5	--
NR-104	<2	<0.5	<0.5	--
NR-105	<2	<0.5	<0.5	--
NR-106	<2	<0.5	1.0	--
NR-107	<2	13.0	2.0	--
NR-108	<1	<0.5	<0.5	--
NR-109	<1	4.0	0.5	--
NR-110	<1	<0.5	<0.5	--
NR-111	<1	<0.5	<0.5	--
NR-112	<1	<0.5	<0.5	--
NR-113	<1	2.0	3.5	--
NR-114	<1	3.5	6.0	--
NR-115	<1	<0.5	<0.5	--
NR-116	<1	<0.5	1.0	--
NR-117	<1	79.0	61.0	--
NR-118	4	34.0	3.0	--
NR-119	SMP MISS	SMP MISS	SMP MISS	--
NR-120	<1	3.5	2.5	--
NR-121	<1	<0.5	<0.5	--
NR-122	<1	1.5	4.0	--
NR-123	<1	1.0	2.0	--
NR-124	<1	3.5	52.0	--
NR-125	22	8.5	34.0	--
NR-126	44	210.	13.0	--
NR-127	42	220.	10.0	--
NR-128	11	28.0	20.0	--
NR-129	13	12.0	11.0	--
NR-130	<1	<0.5	6.5	--
NR-131	<1	2.5	5.5	--
NR-132	<1	44.0	4.0	--
NR-133	<1	<0.5	5.0	--
NR-134	10	140.	45.0	--
NR-135	62	110.	55.0	--
NR-136	<1	<0.5	1.0	--
NR-137	11	<0.5	1.5	--
NR-138	75	47.0	20.0	--
NR-139	<1	<0.5	2.0	--
NR-140	6	1.0	280.	--
NR-141	16	180.	15.0	--
NR-142	<1	<0.5	55.0	--
NR-143	<1	1.0	15.0	--
NR-144	<1	10.0	41.0	--
NR-145	3	4.0	34.0	--
NR-146	<1	5.5	24.0	--
NR-147	<1	<0.5	17.0	--
NR-148	4	140.	25.0	--
NR-149	14	240.	30.0	--

SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-150	500	990.	36.0	42
NR-151	9	14.0	16.0	--
NR-152	65	43.0	28.0	--
NR-153	5	4.0	47.0	--
NR-154	<1	34.0	110.	--
NR-155	<1	<0.5	19.0	--
NR-156	5	47.0	<0.5	--
NR-157	13	30.0	52.0	--
NR-158	<1	<0.5	4.0	--
NR-159	<1	<0.5	3.5	--
NR-160	<1	4.5	14.0	--
NR-161	74	5.0	5.5	--
NR-162	<1	<0.5	2.5	--
NR-163	<1	3.0	3.5	--
NR-164	<1	<0.5	3.0	--
NR-165	<1	11.0	<0.5	--
NR-166	2	<0.5	3.5	--
NR-167	<1	5.0	1.5	--
NR-168	14	2.5	1.0	--
NR-169	12	4.0	<0.5	--
NR-170	<1	38.0	13.0	--
NR-171	6	13.0	28.0	--
NR-172	10	8.5	10.0	--
NR-173	29	140.	16.0	--
NR-174	190	1200.	25.0	1100 S. Cu-min. E.T.
NR-175	390	10.0	8.5	--
NR-176	88	50.0	13.0	--
NR-177	79	9.0	10.0	--
NR-178	4	250.	10.0	--
NR-179	<1	<0.5	5.0	--
NR-180	7	3.0	15.0	--
NR-181	<1	<0.5	7.0	--
NR-182	<1	2.0	7.0	--
NR-183	<1	<0.5	4.5	--
NR-184	3	37.0	27.0	--
NR-185	3	27.0	41.0	--
NR-186	<1	<0.5	4.5	--
NR-187	<1	<0.5	12.0	--
NR-188	<1	2.5	3.5	--
NR-189	<1	<0.5	9.0	--
NR-190	<1	1.5	6.0	--
NR-191	<1	1.0	4.5	--
NR-192	<1	1.5	13.0	--
NR-193	<1	<0.5	15.0	--
NR-194	2	<0.5	9.5	--
NR-195	<1	<0.5	9.0	--
NR-196	<1	<0.5	28.0	--
NR-197	<1	0.5	24.0	--
NR-198	8	<0.5	15.0	--
NR-199	<1	<0.5	23.0	--

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-200	<1	<0.5	23.0	--
NR-201	<1	6.5	12.0	--
NR-202	1100	>4000.	70.0	-- <i>pyrit 1275</i>
NR-203	2	13.0	4.0	--
NR-204	<1	30.0	47.0	--
NR-205	<1	0.5	20.0	--
NR-206	<1	1.5	31.0	--
NR-207	<1	<0.5	21.0	--
NR-208	5	4.5	30.0	--
NR-209	<1	40.0	35.0	--
NR-210	6	<0.5	14.0	--
NR-211	<1	<0.5	5.0	--
NR-212	2	<0.5	<0.5	--
NR-213	16	11.0	7.5	--
NR-214	7	<0.5	<0.5	--
NR-215	<1	<0.5	7.5	--
NR-216	6	1.0	9.0	--
NR-217	5	1.0	4.5	--
NR-218	<1	<0.5	<0.5	--
NR-219	5	120.	37.0	--
NR-220	2	39.0	32.0	--
NR-221	7	210.	66.0	--
NR-222	8	290.	140.	--
NR-223	<1	270.	96.0	--
NR-224	<1	3.0	22.0	--
NR-225	<1	42.0	20.0	--
NR-226	<1	21.0	32.0	--
NR-227	3	29.0	26.0	--
NR-228	<1	31.0	46.0	--
NR-229	6	3.5	6.5	--
NR-230	4	10.0	2.0	--
NR-231	18	45.0	<0.5	--
NR-232	10	78.0	<0.5	--
NR-233	6200	3100.	28.0	-- <i>py min. hole 10x 15x30cm ~</i>
NR-234	3	1.5	<0.5	-- <i>pyrit 1475</i>
NR-235	16	25.0	4.5	--
NR-236	2	6.0	6.5	--
NR-237	2	8.0	5.0	--
NR-238	<1	<0.5	<0.5	--
NR-239	<1	2.5	<0.5	--
NR-240	<1	<0.5	3.5	--
NR-241	<1	38.0	8.5	--
NR-242	<1	7.0	5.0	--
NR-243	<1	<0.5	17.0	--
NR-244	<1	5.5	71.0	--
NR-245	<1	11.0	26.0	--
NR-246	<1	4.5	9.0	--
NR-247	<1	<0.5	5.0	--
NR-248	<1	<0.5	9.5	--
NR-249	<1	23.0	110.	--

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-250	<1	<0.5	7.5	--
NR-251	<1	<0.5	1.0	--
NR-252	<1	<0.5	2.5	--
NR-253	<1	<0.5	1.5	--
NR-254	<1	<0.5	3.0	--
NR-255	<1	26.0	3.5	--
NR-256	<1	<0.5	2.0	--
NR-257	<1	5.5	1.5	--
NR-258	<1	2.0	9.0	--
NR-259	<1	45.0	14.0	--
NR-260	<1	10.0	68.0	--
NR-261	6	26.0	60.0	--
NR-262	18	<0.5	33.0	--
NR-263	54	22.0	60.0	--
NR-264	4	46.0	32.0	--
NR-265	<1	<0.5	9.5	--
NR-266	8	190.	22.0	--
NR-267	<1	22.0	43.0	--
NR-268	<1	1.5	15.0	--
NR-269	<1	2.0	13.0	--
NR-270	<1	6.5	19.0	--
NR-271	<1	42.0	14.0	--
NR-272	<1	41.0	13.0	--
NR-273	<1	29.0	5.0	--
NR-274	7	360.	4.0	--
NR-275	26	350.	6.5	--
NR-276	<1	8.5	8.0	--
NR-277	<1	16.0	12.0	--
NR-278	<1	2.5	3.0	--
NR-279	<1	27.0	7.0	--
NR-280	<1	3.5	4.5	--
NR-281	180	360.	5.5	--
NR-282	<1	2.0	3.5	--
NR-283	<1	<0.5	8.5	--
NR-284	<1	8.5	4.0	--
NR-285	43	26.0	5.0	--
NR-286	<1	<0.5	<0.5	--
NR-287	20	1500.	12.0	--
NR-288	<1	66.0	6.5	--
NR-289	<1	1.5	10.0	--
NR-290	<1	4.0	13.0	--
NR-291	<1	4.0	7.0	--
NR-292	<1	2.5	5.0	--
NR-293	<1	130.	1.0	--
NR-294	<1	0.5	4.0	--
NR-295	<1	2.0	6.5	--
NR-296	15	11.0	4.0	--
NR-297	<1	8.0	110.	--
NR-298	<1	<0.5	<0.5	--
NR-299	<1	<0.5	<0.5	--

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-300	<1	<0.5	10.0	--
NR-301	<1	3.0	14.0	--
NR-302	<1	<0.5	23.0	--
NR-303	<1	<0.5	4.0	--
NR-304	<1	30.0	34.0	--
NR-305	<1	19.0	1.0	--
NR-306	<1	0.5	<0.5	--
NR-307	<1	1.5	<0.5	--
NR-308	<1	110.	1.0	--
NR-309	<1	12.0	83.0	--
NR-310	<1	9.0	6.0	--
NR-311	2	14.0	6.0	--
NR-312	<1	55.0	1.0	--
NR-313	<1	<0.5	5.0	--
NR-314	<1	0.5	9.0	--
NR-315	<1	2.5	9.0	--
NR-316	<1	2.5	18.0	--
NR-317	11	1.5	6.0	--
NR-318	<1	2.5	7.5	--
NR-319	<1	6.0	17.0	--
NR-320	87	37.0	91.0	--
NR-321	21	120.	16.0	--
NR-322	3	14.0	5.5	--
NR-323	21	91.0	100.	--
NR-324	<1	11.0	29.0	--
NR-325	<1	4.0	31.0	--
NR-326	<1	14.0	3.0	--
NR-327	<1	8.5	33.0	--
NR-328	<1	1.5	12.0	--
NR-329	<1	0.5	4.5	--
NR-330	6	23.0	15.0	--
NR-331	15	35.0	6.0	--
NR-332	<1	7.5	9.5	--
NR-333	4	11.0	1.0	--
NR-334	4	<0.5	1.0	--
NR-335	5	8.5	2.0	--
NR-336	6	37.0	6.0	--
NR-337	3	66.0	6.5	--
NR-338	5	<0.5	2.5	--
NR-339	<1	13.0	<0.5	--
NR-340	2	15.0	<0.5	--
NR-341	<1	11.0	1.5	--
NR-342	190	>4000.	81.0	--
NR-343	4	23.0	3.5	--
NR-344	<1	4.0	6.0	--
NR-345	<1	6.0	8.5	--
NR-346	<1	2.5	12.0	--
NR-347	<1	4.5	27.0	--
NR-348	<1	1.0	5.0	--
NR-349	<1	4.5	7.0	--

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-350	<1	5.0	7.5	--
NR-351	<1	20.0	13.0	--
NR-352	<1	3.5	5.5	--
NR-353	<1	3.0	5.0	--
NR-354	<1	2.5	7.5	--
NR-355	<1	9.0	47.0	--
NR-356	<1	3.0	17.0	--
NR-357	<1	2.5	4.5	--
NR-358	<1	1.5	4.5	--
NR-359	55	640.	46.0	--
NR-360	6	240.	58.0	--
NR-361	<1	29.0	39.0	--
NR-362	<1	<0.5	38.0	--
NR-363	<1	1.5	64.0	--
NR-364	<1	2.5	28.0	--
NR-365	<1	35.0	31.0	--
NR-366	8	2.0	6.5	--
NR-367	<1	9.0	20.0	--
NR-368	12	5.0	0.5	--
NR-369	<1	21.0	10.0	--
NR-370	32	160.	9.0	--
NR-371	<1	<0.5	18.0	--
NR-372	2	37.0	4.0	--
NR-373	<1	6.0	1.5	--
NR-374	<1	<0.5	2.0	--
NR-375	<1	<0.5	<0.5	--
NR-376	<1	11.0	16.0	--
NR-377	<1	<0.5	1.5	--
NR-378	<1	52.0	29.0	--
NR-379	<1	2.0	4.0	--
NR-380	<1	10.0	8.5	--
NR-381	<1	1.5	6.0	--
NR-382	<1	6.5	4.0	--
NR-383	49	130.	39.0	--
NR-384	8	36.0	19.0	--
NR-385	3	46.0	31.0	--
NR-386	<1	2.5	4.0	--
NR-387	<1	4.5	3.5	--
NR-388	7	38.0	24.0	--
NR-389	<1	2.5	11.0	--
NR-390	<1	3.0	8.0	--
NR-391	<1	16.0	12.0	--
NR-392	<1	8.5	9.0	--
NR-393	12	2.5	6.5	--
NR-394	12	310.	46.0	--
NR-395	5	10.0	34.0	--
NR-396	<1	<0.5	4.5	--
NR-397	170	0.5	5.0	--
NR-398	<1	0.5	<0.5	--
NR-399	<1	1.0	7.0	--

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
NR-400	<1	8.5	11.0	--
01-3-6	100	17.0	73.0	--
01-6-9	35	22.0	21.0	--
01-9-12	30	39.0	33.0	--
01-12-15	<1	8.0	20.0	--
01-15-18	<1	13.0	66.0	--
01-18-21	5	20.0	92.0	--
01-21-24	<1	1.5	42.0	--
01-24-27	8	28.0	11.0	--
01-27-30	2	25.0	8.0	--
01-30-33	<1	18.0	10.0	--
01-33-36	<1	<0.5	17.0	--
01-36-39	<1	13.0	27.0	--
01-39-42	<1	7.0	15.0	--
01-42-45	170	26.0	9.0	--
01-45-48	91	29.0	44.0	--
01-48-51	140	62.0	16.0	--
01-51-54	150	60.0	6.5	--
01-54-57	2100	85.0	6.0	--
01-57-60	1600	84.0	8.0	--
01-60-63	490	180.	13.0	--
01-63-66	<1	11.0	16.0	--
01-66-69	26	92.0	19.0	--
01-69-72	2400	70.0	21.0	--
01-72-75	48	55.0	64.0	--
01-75-78	<1	2.5	37.0	--
01-78-81	<1	27.0	84.0	--
01-81-84	<1	32.0	120.	--
01-84-87	<1	27.0	120.	--
01-87-90	<1	36.0	120.	--
01-90-93	4	120.	110.	--
01-93-96	<1	33.0	38.0	--
01-96-99	<1	9.0	61.0	--
01-99-102	<1	19.0	75.0	--
01-102-105	19	26.0	63.0	--
01-105-108	<1	28.0	65.0	--
01-108-111	<1	26.0	98.0	--
01-111-114	<1	33.0	81.0	--
01-114-117	<1	39.0	53.0	--
01-117-120	3	24.0	34.0	--
01-120-123	2	58.0	31.0	--
01-123-126	<1	41.0	70.0	--
01-126-129	<1	39.0	52.0	--
01-129-132.50	<1	22.0	42.0	--
02-5-8	5	28.0	62.0	--
02-8-11	260	200.	25.0	--
02-11-14	<1	6.0	36.0	--
02-14-17	<1	3.5	30.0	--
02-17-20	<1	<0.5	25.0	--
02-20-23	5	37.0	81.0	--

Bh
OK

OK

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
02-23-26	9	3.0	58.0	--
02-26-29	95	2.5	7.5	--
02-29-32	31	<0.5	9.5	--
02-32-35	200	430.	29.0	--
02-35-38	25	2.5	2.0	--
02-38-41	550	290.	13.0	--
02-41-44	180	110.	53.0	--
02-44-47	3300	210.	32.0	--
02-47-50	72	33.0	7.0	--
02-50-53	6600	260.	11.0	--
02-53-56	280	110.	6.5	--
02-56-59	4	34.0	34.0	--
02-59-62	<1	21.0	35.0	--
02-62-65	34	120.	33.0	--
02-85.15-86.15	<1	130.	45.0	--
02-93.90-94.90	11	110.	79.0	--
02-94.90-95.90	<1	46.0	77.0	--
02-95.90-96.70	19	73.0	95.0	--
03-0-3	<1	12.0	43.0	--
03-3-6	14	22.0	11.0	--
03-6-9	25	1.5	11.0	--
03-9-12	56	1.5	33.0	--
03-12-15	3	15.0	15.0	--
03-15-18	12	18.0	19.0	--
03-18-21	<1	3.5	66.0	--
03-21-24	<1	30.0	32.0	--
03-24-27	110	96.0	1200.	--
03-27-30	<1	1.5	17.0	--
03-30-33	<1	<0.5	<0.5	--
03-33-36	<1	<0.5	<0.5	--
03-36-39	6	<0.5	<0.5	--
03-39-42	27	6.0	5.5	--
03-42-45	340	420.	25.0	--
03-45-48	88	130.	21.0	--
03-48-51	110	16.0	15.0	--
03-51-54	140	69.0	61.0	--
03-54-57	56	88.0	24.0	--
03-57-60	42	24.0	19.0	--
03-66-67	2	<0.5	18.0	--
03-67-68	3	24.0	93.0	--
03-68-69	18	6.5	30.0	--
03-69-70	4	5.5	14.0	--
03-70-71	12	4.0	12.0	--
03-71-72	1900	220.	21.0	--
03-72-73	1200	99.0	32.0	--
03-73-74	560	150.	23.0	--
03-74-75	780	<0.5	15.0	--
03-75-76	160	0.5	17.0	--
03-82-83	78	26.0	50.0	--
03-83-84	SMP MISS	SMP MISS	SMP MISS	--

SMP. MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
03-84-85	150	35.0	38.0	--
03-85-86	1900	210.	41.0	--
03-86-87	85	280.	18.0	--
03-87-88	75	3.5	37.0	--
03-88-89	<1	2.5	84.0	--
03-89-90	5	95.0	39.0	--
04-1-2	<1	4.0	160.	--
04-2-3	35	330.	100.	--
04-3-4	15	490.	150.	--
04-4-5	20	270.	66.0	--
04-5-6	15	230.	160.	--
04-6-7	5	460.	110.	--
04-7-8	<1	470.	130.	--
04-8-9	2	130.	120.	--
04-9-10	5	>4000.	190.	--
04-10-11	2	240.	86.0	--
04-11-12	<1	360.	110.	--
04-12-13	<1	36.0	71.0	--
04-13-14	<1	49.0	75.0	--
04-14-15	4	55.0	16.0	--
04-15-16	5	130.	26.0	--
04-16-17	<1	2.0	13.0	--
04-17-18	<1	9.5	31.0	--
04-18-19	<1	13.0	40.0	--
04-19-20	<1	160.	140.	--
04-33-34	20	250.	140.	--
04-34-35	<1	1.0	34.0	--
04-35-36	11	1.0	23.0	--
04-36-37	120	23.0	19.0	--
04-37-38	290	<0.5	21.0	--
04-38-39	96	1.0	22.0	--
04-39-40	24	9.5	58.0	--
04-40-41	8	65.0	110.	--
04-41-42	160	23.0	150.	--
04-42-43	640	110.	33.0	--
04-43-44	12	110.	65.0	--
04-44-45	4	<0.5	16.0	--
04-50-51	51	74.0	43.0	--
04-51-52	7	<0.5	29.0	--
04-52-53	2	<0.5	27.0	--
04-53-54	2	0.5	58.0	--
04-54-55	3	33.0	17.0	--
04-55-56	650	200.	33.0	--
04-56-57	380	280.	98.0	--
05-120-123	<1	2.0	<0.5	5.8
05-123-126	<1	<0.5	<0.5	2.1
05-126-129	3	1.5	1.5	2.5
05-129-132	210	86.0	42.0	32.0
05-132-135	330	300.	55.0	>1000.
05-135-138	140	100.	24.0	160.

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
05-138-141	19	23.0	26.0	120.
05-141-144	3	23.0	20.0	8.4
05-144-147	<1	<0.5	23.0	0.4
05-147-150	<1	<0.5	18.0	3.6
06-145-146	<1	2.0	<0.5	4.0
06-146-147	9	9.0	15.0	5.2
06-147-148	<1	3.0	92.0	0.6
06-148-149	<1	58.0	66.0	0.5
06-149-150	6	110.	92.0	3.3
06-150-151	<1	20.0	35.0	0.4
06-151-152	7	70.0	54.0	0.8
06-152-153	45	130.	76.0	140.
06-153-154	10	130.	47.0	80.0
06-154-155	73	100.	33.0	56.0
06-155-156	230	1600.	93.0	180.
06-156-157	160	860.	85.0	0.6
06-157-158	45	130.	110.	50.0
06-158-159	140	90.0	140.	160.
06-159-160	3	2.5	21.0	3.2
06-160-161	<1	<0.5	18.0	2.0
06-161-162	4	14.0	290.	0.8
06-162-163	<1	35.0	18.0	3.2
06-163-164	<1	<0.5	31.0	0.5
06-164-165	<1	<0.5	21.0	0.5
BRATT SKARET-7-85	<1	140.	56.0	--
NYBERGAT-1-85	6	860.	21.0	--
SAGBEKKEN-2-85	130	1300.	15.0	--
SAGBEKKEN-4-85	4	160.	92.0	--
SAGBEKKEN-7-85	9	130.	71.0	--
STRETT MYRA-3-85	28	1600.	10.0	--
STRETT MYRA-4-85	56	870.	5.5	--
STRETT MYRA-5-85	21	370.	21.0	--
STRETT MYRA-6-85	6	>4000.	650.	--
STRETT MYRA-7-85	3	>4000.	470.	--

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FOLLDAL VERK A/S
ATTN: IVAR KILLI
2661 HJERKINN
NORWAY

CUSTOMER NO. 29

DATE SUBMITTED
6-MAY-85

REPORT 24269

REF. FILE 19911-R2

80 PULPS PROJ. 330-270

WERE ANALYSED AS FOLLOWS:

AU OZ/TON	METHOD	DETECTION LIMIT
	FA	0.001

DATE 17-MAY-85

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY

SAMPLE	AU OZ/TON	
84-01-0.00-3.00	NIL	Ap 6
84-01-3.00-6.00	NIL	
84-01-6.00-9.00	NIL	
84-01-9.00-12.00	TRACE	
84-01-12.00-15.00	NIL	
84-01-15.00-18.00	NIL	
84-01-18.00-21.00	NIL	
✓ 84-01-21.00-24.00	0.003	93
84-01-24.00-27.00	NIL	
84-01-27.00-30.00	TRACE	
84-01-30.00-33.00	NIL	
84-01-33.00-36.00	NIL	
84-01-36.00-39.00	NIL	
84-01-39.00-42.00	NIL	
84-01-42.00-45.00	NIL	
84-01-45.00-48.00	NIL	
84-01-48.00-51.00	NIL	
84-01-51.00-54.00	NIL	
84-01-54.00-57.00	NIL	
84-01-57.00-60.00	TRACE	
✓ 84-01-60.00-63.00	TRACE	
ok ✓ 84-01-63.00-66.00	0.001	31
84-01-66.00-67.30	NIL	
✓ 84-01-67.30-68.50	TRACE	
84-02-0.00-3.00	NIL	
84-02-3.00-6.00	NIL	
✓ 84-02-6.00-9.00	0.001	31
84-02-9.00-12.00	TRACE	
✓ 84-02-12.00-15.00	0.007	218
✓ 84-02-15.00-18.00	0.006	187
✓ 84-02-18.00-21.00	0.001	31
✓ 84-02-21.00-24.00	0.003	93
✓ 84-02-24.00-27.00	0.001	31
✓ 84-02-27.00-30.00	0.007	218
84-02-30.00-33.00	0.002	62
✓ 84-02-33.00-36.00	NIL	
✓ 84-02-36.00-39.00	0.007	218
✓ 84-02-39.00-42.00	0.005	156
84-02-42.00-45.00	0.004	124
84-02-45.00-48.00	0.004	124
✓ 84-02-48.00-51.00	0.002	62
84-02-51.00-54.00	0.004	124
84-02-54.00-57.00	0.005	156
ok ✓ 84-02-57.00-61.00	NIL	
84-02-61.00-63.00	NIL	
84-02-63.00-66.00	0.002	62
✓ 84-02-66.00-67.00	TRACE	
84-03-2.00-3.00	0.001	31
84-03-3.00-6.00	0.004	124
ok 84-03-6.00-9.00	NIL	

SAMPLE	AU OZ/TON	
84-03-9.00-12.00	TRACE	
84-03-12.00-15.00	NIL	
84-03-15.00-18.00	0.004	124
84-03-18.00-21.00	0.001	31
84-03-21.00-24.00	0.006	187
84-03-24.00-27.00	NIL	
84-03-27.00-30.00	NIL	
✓ 84-03-30.00-33.00	NIL	
84-03-33.00-36.00	0.002	62
84-03-36.00-39.00	0.001	31
84-03-39.00-42.00	TRACE	
84-03-42.00-45.00	NIL	
84-03-45.00-48.00	0.002	62
84-03-48.00-51.00	NIL	
✓ 84-03-51.00-53.50	0.002	62
84-04-2.00-3.00	0.006	187
84-04-3.00-6.00	NIL	
84-04-6.00-9.00	0.007	218
84-04-9.00-12.00	NIL	
✓ 84-04-12.00-13.80	TRACE	
✓ 84-05-31.35-32.35	0.075	2333
84-05-36.35-37.35	TRACE	
✓ 84-05-37.35-40.35	NIL	
84-06-0.00-3.00	NIL	
84-06-3.00-6.00	0.001	31
✓ 84-06-6.00-8.75	NIL	
✓ 84-06-27.10-29.00	0.002	62
84-06-32.00-35.00	0.002	62
84-06-35.00-38.00	TRACE	
84-06-38.00-41.50	0.009	280

SAMPLE	HG PPB
GAU-84-04-8.0-9.0	<5
GAU-84-04-9.0-10.0	<5
GAU-84-04-12.0-13.0	<5

A

10 JUN 1985

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FOLLDAL VERK A/S
ATTN: IVAR KILLI
2661 HJERKINN
NORWAY

CUSTOMER NO. 29

DATE SUBMITTED
6-MAY-85

REPORT 24374

REF. FILE 19913-PH

15 PULPS ON HAND W.O#19907 PROJ. 330-260

WERE ANALYSED AS FOLLOWS:

W PPM	METHOD	DETECTION LIMIT
	NA	1.000

DATE 03-JUN-85

X-RAY ASSAY LABORATORIES LIMITED
CERTIFIED BY

SAMPLE	W PPM
GAU-84-01-8.0-9.0	120
GAU-84-01-9.0-10.0	2
GAU-84-01-10.0-11.0	1
GAU-84-01-61.0-62.0	1
GAU-84-02-3.0-4.0	2
GAU-84-02-18.0-19.0	1
GAU-84-02-35.0-36.0	8
GAU-84-02-36.0-37.0	5
GAU-84-02-48.0-49.0	1
GAU-84-02-53.0-54.0	<1
GAU-84-03-6.0-7.0	1
GAU-84-06-2.0-3.0	26
GAU-84-06-5.0-6.0	26
GAU-84-06-6.0-7.0	9
GAU-84-06-7.0-8.0	3

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4
PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FOLLDAL VERK A/S
ATTN: IVAR KILLI
2661 HJERKINN
NORWAY

CUSTOMER NO. 29

DATE SUBMITTED
6-MAY-85

REPORT 24269

REF. FILE 19911-R2

80 PULPS PROJ. 330-270

WERE ANALYSED AS FOLLOWS:

AU OZ/TON	METHOD	DETECTION LIMIT
	FA	0.001

DATE 17-MAY-85

X-RAY ASSAY LABORATORIES LIMITED
CERTIFIED BY

X-RAY ASSAY LABORATORIES, LIMITED

8 MAY 1985

1885 LESLIE STREET, DON MILLS, ONTARIO

M38 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FOLLOAL VERK A/S
ATTN: IVAR KILLI
2661 HJERKINN
NORWAY

CUSTOMER NO. 295

DATE SUBMITTED
16-APR-85

REPORT 24157

REF. FILE 19790-S3

11 C.ROCKS PROJ. 330-270:

WERE ANALYSED AS FOLLOWS:

AL PPB

METHOD
FACCP

DETECTION LIMIT
2.000

DATE 02-MAY-85

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4 6 MAR 1985

PHONE 416-445-5755

TELEX C6-986947

CERTIFICATE OF ANALYSIS

TO: FOLLOAL VERK A/S
ATTN: IVAR KILLI
2661 FJERKINN
NORWAY

CUSTOMER NO. 295

DATE SUBMITTED
27-FEB-85

REPORT 23826

REF. FILE 19427-B2

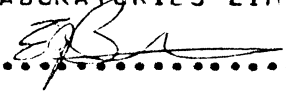
23 C.ROCKS PROJ. 330.270

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000

DATE 19-MAR-85

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY 

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4
PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FOLLODAL VERK A/S
ATTN: IVAR KILLI
2661 HJERKINN
NORWAY

CUSTOMER NO. 295

DATE SUBMITTED
8-JAN-85

REPORT 23496

REF. FILE 19121-P2

43 C.ROCKS PROJ. N-84-9(330270)

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
NI PPM	DCP	1.000
CU PPM	DCP	0.500
ZN PPM	DCP	0.500
AS PPM	FAA	0.100
AG PPM	DCP	0.500
PB PPM	DCP	2.000

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY

DATE 25-JAN-85

SAMPLE	AU OZ/TON
84-01-0.00-3.00	NIL
84-01-3.00-6.00	NIL
84-01-6.00-9.00	NIL
84-01-9.00-12.00	TRACE
84-01-12.00-15.00	NIL
84-01-15.00-18.00	NIL
84-01-18.00-21.00	NIL
84-01-21.00-24.00	0.003
84-01-24.00-27.00	NIL
84-01-27.00-30.00	TRACE
84-01-30.00-33.00	NIL
84-01-33.00-36.00	NIL
84-01-36.00-39.00	NIL
84-01-39.00-42.00	NIL
84-01-42.00-45.00	NIL
84-01-45.00-48.00	NIL
84-01-48.00-51.00	NIL
84-01-51.00-54.00	NIL
84-01-54.00-57.00	NIL
84-01-57.00-60.00	TRACE
84-01-60.00-63.00	TRACE
84-01-63.00-66.00	0.001
84-01-66.00-67.30	NIL
84-01-67.30-68.50	TRACE
84-02-0.00-3.00	NIL
84-02-3.00-6.00	NIL
84-02-6.00-9.00	0.001
84-02-9.00-12.00	TRACE
84-02-12.00-15.00	0.007
84-02-15.00-18.00	0.006
84-02-18.00-21.00	0.001
84-02-21.00-24.00	0.003
84-02-24.00-27.00	0.001
84-02-27.00-30.00	0.007
84-02-30.00-33.00	0.002
84-02-33.00-36.00	NIL
84-02-36.00-39.00	0.007
84-02-39.00-42.00	0.005
84-02-42.00-45.00	0.004
84-02-45.00-48.00	0.004
84-02-48.00-51.00	0.002
84-02-51.00-54.00	0.004
84-02-54.00-57.00	0.005
84-02-57.00-61.00	NIL
84-02-61.00-63.00	NIL
84-02-63.00-66.00	0.002
84-02-66.00-67.00	TRACE
84-03-2.00-3.00	0.001
84-03-3.00-6.00	0.004
84-03-6.00-9.00	NIL

0.1 oz/t = 3.1 ppm

0.01 oz/t = 0.3 ppm

0.001 oz/t = 0.03 ppm = 30 ppb

(0)

1 oz/t = 34.4 ppm ²²

in metal expl. Carlin

217 ppb

136 ppb

30

103

36

217 ppb

62

217 ppb

155

124

124

62

124

155

62

SAMPLE	AU PPB
GAU84-01-84.C0-85.00	<2
GAU84-01-85.C0-86.00	2
GAU84-01-86.00-87.00	<2
GAU84-01-87.00-88.00	<2
GAU84-01-88.00-89.00	<2
GAU84-01-89.00-90.00	<2
GAU84-01-90.00-91.00	100
GAU84-01-91.00-92.00	240
GAU84-01-92.00-93.00	71
GAU84-01-93.00-94.00	140
GAU84-01-94.00-95.00	100

94.80.

gran H.

SAMPLE	AS PPM	AG PPM	PB PPM
GAU84-04-59	7.4	1.0	32
GAU84-04-60	2.8	1.5	50
GAU84-04-61	4.3	1.5	30
GAU84-04-62	3.3	1.5	50
GAU84-04-63	4.0	1.5	42
GAU84-04-64	2.8	1.5	40
GAU84-04-65	3.0	1.5	58
GAU84-04-66	3.3	1.5	56
GAU84-04-67	3.3	1.5	58
GAU84-04-68	5.5	1.5	24
GAU84-04-69	4.6	1.5	18
GAU84-04-70	2.8	1.5	42
GAU84-04-71	7.0	1.5	42
GAU84-04-72	5.9	1.5	60
GAU84-04-73	4.8	1.5	48
GAU84-04-74	0.9	1.5	42
GAU84-04-75	12.0	1.5	14
GAU84-04-76	5.9	1.0	22
GAU84-04-77	8.8	1.5	20
VL-1-84	6.2	1.5	32
VL-2-84	19.0	1.0	24
VL-3-84	15.0	1.0	26
VL-4-84	7.0	1.0	20
VL-5-84	--	--	--
VL-6-84	--	--	48
VL-7-84	36.0	5.0	230
VL-8-84	3.5	7.5	450
VL-9-84	26.0	2.5	52
VL-10-84	--	--	--
VL-11-84	--	--	--
VL-12-84	--	--	--
VL-13-84	5.9	1.5	20
VL-14-84	--	--	--
VL-15-84	--	--	--
VL-16-84	--	--	--
VL-17-84	--	--	14
VL-18-84	>1000.	2.0	32
VL-19-84	>1000.	1.5	12
VL-20-84	>1000.	3.0	40
VL-21-84	--	1.5	10
VL-22-84	--	2.0	16
VL-23-84	--	2.0	16
VL-24-84	--	--	--

	SAMPLE	AU PPB	NI PPM	CU PPM	ZN PPM	array
80-						
22.80 m	GAU84-04-59	70	--	19.0	10.0	
25.80 m	GAU84-04-60	5700	--	76.0	15.0	2.7
28.80 m	GAU84-04-61	100	--	89.0	51.0	
31.00 m	GAU84-04-62	180	--	21.0	18.0	
32.00 m	GAU84-04-63	9	--	2.0	58.0	
33.00 m	GAU84-04-64	35	--	53.0	33.0	
36.00 m	GAU84-04-65	770	--	17.0	29.0	
37.00 m	GAU84-04-66	260	--	19.0	34.0	
40.00 m	GAU84-04-67	1700	--	18.0	33.0	1.4
43.00 m	GAU84-04-68	28	--	62.0	110.	
46.00 m	GAU84-04-69	<2	--	40.0	140.	
52.00 m	GAU84-04-70	180	--	20.0	33.0	
55.00 m	GAU84-04-71	340	--	23.0	67.0	
58.00 m	GAU84-04-72	280	--	27.0	31.0	
61.00 m	GAU84-04-73	15	--	52.0	35.0	
12.65 m	GAU84-06-74	21	--	210.	53.0	
32.00 m	GAU84-06-75	1100	--	54.0	92.0	1.1
44.50 m	GAU84-06-76	6	--	35.0	49.0	
47.50 m	GAU84-06-77	8	--	10.0	48.0	
	VL-1-84	6	--	97.0	87.0	
	VL-2-84	490	--	6.5	18.0	
	VL-3-84	750	--	8.5	12.0	
	VL-4-84	15	--	4.5	47.0	
	VL-5-84	8	--	7.0	--	
	VL-6-84	79	--	250.	99.0	
	VL-7-84	9100	--	810.	65.0	2.9
ip	VL-8-84	320	--	67.0	32.0	2.7
- Vipemgr.	VL-9-84	3100	--	450.	120.	2.8
	VL-10-84	4	24	120.	--	
	VL-11-84	6	31	380.	--	
	VL-12-84	8	83	830.	--	
	VL-13-84	8	--	58.0	85.0	
	VL-14-84	27	59	>4000.	--	
	VL-15-84	28	18	>4000.	--	
	VL-16-84	10	24	960.	--	
	VL-17-84	8	--	220.	49.0	
	VL-18-84	39	--	140.	75.0	
	VL-19-84	90	--	190.	110.	
	VL-20-84	260	--	240.	93.0	
	VL-21-84	10	--	1100.	17.0	
	VL-22-84	42	--	410.	28.0	
	VL-23-84	17	--	69.0	30.0	
	VL-24-84	8	1300	19.0	--	

SAMPLE	AU OZ/TON	
84-03-9.00-12.00	TRACE	
84-03-12.00-15.00	NIL	
84-03-15.00-18.00	0.004	
84-03-18.00-21.00	0.001	
84-03-21.00-24.00	0.006	186 ppb
84-03-24.00-27.00	NIL	
84-03-27.00-30.00	NIL	
84-03-30.00-33.00	NIL	
84-03-33.00-36.00	0.002	
84-03-36.00-39.00	0.001	
84-03-39.00-42.00	TRACE	
84-03-42.00-45.00	NIL	
84-03-45.00-48.00	0.002	
84-03-48.00-51.00	NIL	
84-03-51.00-53.50	0.002	
84-04-2.00-3.00	0.006	186 ppb
84-04-3.00-6.00	NIL	
84-04-6.00-9.00	0.007	= 217 ppb
84-04-9.00-12.00	NIL	
84-04-12.00-13.80	TRACE	
84-05-31.35-32.35	0.075	= 2.32 ppm M 2.58
84-05-36.35-37.35	TRACE	
84-05-37.35-40.35	NIL	
84-06-0.00-3.00	NIL	
84-06-3.00-6.00	0.001	21 ppb
84-06-6.00-8.75	NIL	
84-06-27.10-29.00	0.002	62 ppb
84-06-32.00-35.00	0.002	= 62 ppb
84-06-35.00-38.00	TRACE	
84-06-38.00-41.50	0.009	= 270 ppb = 0.27 ppm Σ dl. 0.81 ppm

	SAMPLE	AU PPB	CU PPM	ZN PPM
8.75-9.84	GAU-84-28	<2	25.0	62.0
9.84-10.50	GAU-84-29	<2	7.5	63.0
12.65-14.65	GAU-84-30	<2	31.0	38.0
14.65-16.65	GAU-84-31	15	33.0	54.0
16.65-18.65	GAU-84-32	<2	5.5	46.0
18.65-20.65	GAU-84-33	<2	6.5	54.0
20.65-22.65	GAU-84-34	<2	23.0	65.0
22.65-24.65	GAU-84-35	600	18.0	50.0
24.65-27.10	GAU-84-36	7	2.5	60.0
71.00-73.00	GAU-84-37	5	830.	110.
72.00-75.00	GAU-84-38	2	53.0	80.0
75.00-77.00	GAU-84-39	<2	43.0	75.0
77.00-79.00	GAU-84-40	<2	22.0	81.0
32.35-34.35	GAU-84-41	400	65.0	160.
34.35-36.35	GAU-84-42	55	110.	180.
13.80-14.80	GAU-84-43	280	88.0	10.0
14.80-15.80	GAU-84-44	310	180.	14.0
15.80-16.80	GAU-84-45	160	24.0	10.0
16.80-17.80	GAU-84-46	140	140.	16.0
17.80-18.80	GAU-84-47	370	400.	32.0
18.80-19.80	GAU-84-48	230	300.	15.0
19.80-20.80	GAU-84-49	120	170.	25.0
20.80-21.80	GAU-84-50	1500	280.	18.0
33.00-34.00	GAU-84-51	4700	650.	34.0
34.00-35.00	GAU-84-52	1000	350.	40.0
60.50-61.50	GAU-84-53	32	21.0	74.0
61.50-62.50	GAU-84-54	6	400.	110.
62.50-63.50	GAU-84-55	<2	11.0	110.
63.50-64.50	GAU-84-56	<2	25.0	130.
64.50-65.50	GAU-84-57	2	14.0	59.0
65.50-66.50	GAU-84-58	<2	24.0	140.

Borehill

GAU-84-06

Borehill GAU-84-05

Borehill

GAU-84-04

SAMPLE	AU PPB
84-C4.22.80-23.80M	100
84-C4.23.80-24.80M	>10000
84-C4.24.80-25.80M	1200
84-C4.25.80-26.80M	10
84-C4.26.80-27.80M	36
84-C4.27.80-28.80M	240
84-C4.28.80-29.80M	170
84-C4.29.80-31.00M	250
84-C4.37.00-38.00M	310
84-C4.38.00-39.00M	270
84-C4.39.00-40.00M	2500
84-C4.49.00-50.00M	19
84-C4.50.00-51.00M	27
84-C4.51.00-52.00M	610
84-C4.52.00-53.00M	1500
84-C4.53.00-54.00M	120
84-C4.54.00-55.00M	140
84-C4.55.00-56.00M	41
84-C4.56.00-57.00M	35
84-C4.57.00-58.00M	290
84-C6.29.00-30.00M	12
84-C6.30.00-31.00M	2600
84-C6.31.00-32.00M	640

26 MARS 1985

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

	SAMPLE	W PPM	
	CAU-84-20-60.05-60.60	3	Bh 03
	CAU-84-20-60.60-61.60	7	
16. 8.25-9.25	CAU-84-28	14	Bh 04
17. 13.80-14.80	CAU-84-43	160	Bh 40h
18. 14.80-15.80	CAU-84-44	360	
19. 15.80-16.80	CAU-84-45	340	
20. 16.80-17.80	CAU-84-46	6	
21. 17.80-18.80	CAU-84-50	66	Bh 40h
22. 18.80-19.80	CAU-84-59	2000	
23. 19.80-20.80	CAU-84-72	19	
24. 20.80-21.80	CAU-84-73	4	
	CAU-84-C4-25.80-26.30	7	