DRILL LOGS RL-201
Rosebud

4010 0044

LAC MINERALS (U.S.A.) INC.

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RL-201C TOTAL DEPTH 881 LOGGED BY KLK

Date started 7-22-91

Date completed 7-25-91

Initial bearing vertical

Initial inclination

Elevation 5306.7

Collar coordinates:

N 2203988.0

E 482701.3

Contractor: COATES

Drill Type: UDR

Hole Size: HQ/→N

Drilling Conditions:

Footage: Wet / Dry

Comments:

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.
ROSEBUD PROJECT

FINE-GRAINED TUFF
LITHIC LAPILLI TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
XXXXXX DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-201C

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LOGGED BY MCW

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
	Qal.								Red Brown					No Bleach	<	<		
05															<	<		
10															<	<		
15	CT	NN XXXX											0	Chocolate Tuff	4/<	4/<		
20		NN X													<	<		
25		NN X							Tan Brown									
30		NNN X							Red Brown					Stng Arg				
35		NNN X							Red Brown Pale Green Orange					TR Bleach				
40		NNN X							Orange Tan W/Pale Green					mod Bleach				
45		NNN X												Stng Bleach				
50		NNN X																
55		NN X													4/<	4/<		
60		NN X													<	<		
65		N XXXX							Tan GY						4/<	<		
70		NN XXX							Orange Tan W/GY + Pale Green					mod Bleach	<	<		
75		NN XXX												Stng Bleach				
80		NN XXX																
85		NN XX												mod Bleach				
90		NN XX							GRY Cam Tan					Stng Bleach				
95	CT	NN XX							Red Brn Orange Tan Pale Green					CT mod arg mod Bleach				
100																		

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LOGGED BY MCW

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
	CT	NN N							Yellow Tan					TR Bleach	<	4/<		
105		NN N							Purple Gy							<		
110		NN N																
115		NN N																
120		NN N														4/<		
125		NN N							Purple Brn					Redox Boundry	<			
130	Phenos Become Visible	NN N							Pale Grn - M Gy				TR	Stng Weak Bleach Celadonite				
135		N N											TR					
140		N N X																
145		N N X																
150		N N X											.5					
155		N N X											TR	Mod Bleach				
160		NN N X											.5					
165		NN N X							MGY to Pale Grn									
170		NN N X											TR		4/<			
175		NN X													<			
180		NN X													<	<		
185		NN X											1		.002	.06		
190		NN X												Micro Bxt	.003	.08/.08		
195	CT	NN XXY											1.5	Clear Qtz	.003	.15		
200																		

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	CT	NN XXX							Med Gy w/TR Pale Grn				1	CT Wk Gy Altered Phenos TR Celadonite Stag Bleach	<	.13		
205		NN XXX													<	.11		
210		NN XXX											TR	X	.005	.10		
215		NN XXX											1	Qtz Py Veining	.005	.07		
220		NN XXX												Mod Bleach	</<	.06		
225		NN XXXX							Gy Brn Med Gy Pale Grn				TR		.010	.16		
230	CT	N XXXXX											1.5	Diss Py MGY Qtz Wk Celadonite	.007/.010/.005	.11/.08		
235	UB	N XXXX							Pale Grn MGY Tan				1	UB Stag Bleach	.003	.05		
240		N XXXXX												Mod Bleach	<	<		
245		N XXXXX							Tan GY Grn MGY				TR	Qtz Py Veining Wk Bleach		.05		
250		N XXXX							Tan Brown MGY w/TR Pale Green				1.5	TR Celadonite		.07		
255		N XXXX														.03		
260		N XXXXX							Pale Grn				TR		✓	.04		
265		N XXXX							Med Gy Pale Grn				1.0	Mod Celadonite	.003	.07		
270		N XXXX											TR	Wk Celadonite	.002/<	.07		
275		N XXXX													<	.08/.03		
280		N XXXXX													<	.03		
285		N XXXX											.5		<	.06		
290		N XXXX											1.5		<	.04		
295	UB	N XXXX											1		<	<		
300																		

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	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
	UB	N							Pale Grn Med Gy				1.5	UB Wk Clay Alt Phenos Qtz Py Veins Med Gy Qtz Wk Bleach Celadonite	.016	.09		
305		N											.5	Mod Bleach	.022	.05		
310		N											1	Wk Bleach	.003	.08		
315		N											1.5		.003	.04		
320		N											1		.004	.16		
325		N													.002 / .002	.08		
330		N											2.0		<	.18		
335		N											1	Mod Bleach	.004	.14		
340		NN											TR		.005	.25		
345		NN											1	Wk Bleach	.005	.15		
350		N											1		.013	.13		
355		N											2.0		.007	.24		
360		N											1		.004	.09		
365		N											1.5		<	< / <		
370		N											.5		<	<		
375		N											TR	Qtz Py Veins	<	<		
380		N											1		<	<		
385		N											1.5		<	.04		
390		N											1.0		<	.04		
395	UB	N											.5	UB	<	<		
400														T.D for RC				

HOLE # RL201C LOGGED BY KLK DATE 8-91 PAGE 1 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
400	50	20°; 80°		~2% diss + vn py + marcasite		W bl M~ W celad
	75 94					
410	102	py marcasite clay ± qtz vns				W bl W~ W X W celad
						W bl W-M ~ W celad
420	126	20°; 0°		±1% diss ± vn py		W-M bl MXX ~ W-M bl M-S ~ W celad
	85	green fract vns				
430						
	104			3% diss + vn py + marcasite + dk qtz short bladed sulfate		PEACH M bl M~
440	91	5°; 70°				
450	99	qtz clay marcasite py vns	35° Δ vn; 52° Δ vn			M-S bl W-M XX + tr celad
460						

DESCRIPTION

400-578 CT

CORE BEGAN @ 400'

400-578 CHOCOLATETUFF

400-417 Tectonically brecciated LBT, clast supported in LLT category sized frags which are predom green w/ green to grayish tan matrix. mod perv. clay alt. local lt green "duck butter" filling interstices of rock fabric. wk local SiO2 flooding interstices of vk fabric. weak veining SiO2 lined marcasite + Kaolinite + sericite + py ~1-2 vns/ft

417-421.7 Fine grained LBT - lt green, weakly veined ~2-5 vns/ft w/ SiO2, py, Kaolinite + sericite + marcasite.

420-421.7 pervasively silicified; brecciated w/ predom SiO2 matrix; local Kaolinite + sericite + SiO2 fill. w/ wk vuggy druzy qtz vns

421.7-435 Lt green LBT-FGT: pervasively argillically alt; riddled w/ v. fine < 1/2 mm fine fracture vn stkwk w/ celadonite fill predom subparallel to CA. very weak qtz ± Kaolin + py vns ~1-2 vns/ft.

435-548.5 PEACH INTO BUFF FGT weak to mod pervasive argillic clay alt + m perv. bleaching. weak local tectonic brecciation. Pervasive moderate veining predominantly fine druzy qtz lined vns 1-2 mm filled w/ marcasite + Kaolinite ± sericite (locally < 1 mm). Intermittently riddled w/ v. fine hairline qtz ± py ± Kaolinite stockwork; fine vein Δ. Predom. veining Average ~6-10 vns/ft.

449.8-450.8 vein brecciation - matrix supported @ 35° to C.A. w/ SiO2 + Kaolinite sericite fill

452.9-453.5 str. vein breccia w/ SiO2 + clay fill ± py

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
400-405				.004	.12
405-410				.002	.07
410-415				.024 / .012 / .011	.12 / <
415-420				.005	.05
420-425				<	.08
425-430				.002	.10
430-435				.008	.10
435-440				<	.09
440-445					.06
445-450					.06
450-455					.04
455-460					.05

HOLE # RL-2010 LOGGED BY KLK DATE 8-91 PAGE 2 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
470	98	5°	41° Δ VN	±3% diss + VN py + VN marcasite + dk gray short bladed sulfide		M-S bl W~ W-M XX tr celad
480	100	85° qtz marcasite clay + barite VNS	53° Δ VN			
490	99		63° Δ VN			PEACH + GRN M bl W~ W X w celad
500	103					X X X
510	98					
520	101		35° Δ VN			↑ X X X ↓
530	96.5					M-S bl W~ W X tr celad PEACH + GRN

DESCRIPTION

400 - 578 CT

471.85 - 472 vein breccia @ 41° to C.A. matrix supported w/ SiO_2 + Kaolinite + sericite + marcasite + barite + tr FeOx

482.7 - 482.85 vein breccia @ 53° to C.A. matrix supported w/ SiO_2 ± local Kaolin + sericite pods & locally mixed w/ SiO_2 diss py w/ in matrix

490 - 496.7 variegated lr peach & green possible pseudo flo banding - due to preferential clay alt. giving variegated texture weak local vein Δ w/ SiO_2 ± Kaolin matrix support.

496.7 - 497.7 prominent vein brecciation SiO_2 rich matrix w/ local Kaolinite mix ± sericite locally riddled w/ fine qtz stkwk cross cutting clasts w 2 stgs Δ weak - mod vugs w/ druzy qtz lining w/ local sericite + Kaolin fill w/ depth get strong marcasite w/ in SiO_2 matrix

503 - 503.5 broken rubble

503.5 - 521.5 Intermittently variegated giving pseudo flo banding texture @ 60° - 65° to C.A. peach to brown w/ local hint green

519 - 521.5 slight ↑ veining & vein breccia Δ & veins filled w/ SiO_2 + sericite + SiO_2 + barite ± weak local marcasite veins up to 50 mm.

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
460-465				<L	.04 / .05
465-470				<	.05
470-475				.003	.07
475-480				.003 / <	.05
480-485				<	.04
485-490				<	.04
490-495				<	.04
495-500				.007	.03
500-505				<	.04
505-510				.002	.06
510-515				<	.04
515-520				<L	<
520-525				.004	.11
525-530				<	<

HOLE # RL2016 LOGGED BY KLK DATE 8-91 PAGE 3 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
540	97	15°		±3% diss + vn py + vn marcasite + black short bladed sulfide		PEACH + GRN M-S bl W-X + tr celad
	94	85° qtz py clay vns				lt grn M-S bl W-X w celad
550			60° Δ vn	±4% diss + vn py		M bl M-S Mcelad
	97.5	GOUGE		2% diss py		M bl S w-m celad
560			25° Δ vn	±4% diss + vn py + marcasite		M bl W-M W-M XX m celad
	98			2-3% diss + vn py ± vn marcasite		
570						
	99	15°	±85°		±85°	
580		80° clay qtz marcasite py vns		1-2% diss + vn py		W bl W-M M-S celad
	96					
590						
	98			poss w/ Ag sulf.		M bl W-M W X w celad
600						

DESCRIPTION

400 - 578 - CT
578 - 679.3 - EPI

521.5 - 539 pervasively lr peach w/ weak local celadonite fracture veinlets @ 45°-90° to C.A. slight increase veining w/ py ± marcasite + kaolin. ± barite ± qtz lining ~ 10-15 vns/ft.

539 - 548.5 mod - str fine celad filled <1 mm fracture veins @ >50/ft.

548.5 - 558 moderate into strong pervasive argillic clay alt. w/ mod assoc celadonite tectonically brecciated w/ local peach clasts & pervasively green w/ >50 green fract vns/ft

553 - 558 intense clay alt. into gouge

558 - 578 Pervasively lr to medium green celadonite alt volcanically brecciated LBT w-m pervasive silicification finely ridded w/ fine qtz on/and celadonite hairline stkwork locally vein brecciated 559.8 - 560.8 w/ druzy qtz SiO_2 matrix locally vuggy w/ white clay fill

566.3 - 566.45 SiO_2, Kaolin, ± sericite vn

570.5 - 575 Prominent veining up to 20 mm w/ SiO_2 + Kaolin ± sericite + marcasite fill

578 - 679.3 EPI - LITHIC LAPILLI TUFF

578 - 595.5 Fine lt. to medck green lithic lapilli tuff, heterolithic all lithics replaced by celadonite + clay as well as the matrix, perv clast supported, weak SiO_2 + Kaolinite + marcasite veins ~ 3-5 vns/ft.

595.5 - 613 Lt sage green to yellowish green lithic weak to mod perv. silicif. w/ perv bleached, possibly secondary brecciation moderatly veined w/ druzy qtz lining locally vuggy veins w/ local SiO_2 + clay mix + marcasite + local xtaline barite fill + poss local Ag sulfide: 595.5 - 605 1-4 vns/ft 605 - 613 ~10-12 vns/ft

605 - 605.6 broken rubble

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
530-535				<	.06
535-540				.003	.08
540-545				<	.04
545-549				<	.03
549-553				.005	.05
553-556				<	.03
556-560				.003	.03
560-565				½	.03
565-570				.009	.07
570-575				<	.07
575-580				.002	.05
580-585				.002	.05
585-590				.002	.07
590-595				.018	.09
595-600				.002	.05

HOLE # RL-201C LOGGED BY KLK DATE 8-91 PAGE 4 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
	90			±3% diss + vn py + vn marcasite + poss Ag sulfide		M bl w-m wx w celad	578-679.3 EPI 659-684 : SRF → Hanging + Footwall Influence w/ inflerence stkwk veining 684'-714'	600-605				<	.10
	50							605-605.6				<	.04
	111							605.6-610				.002 / <	.12
610	98	63° / 80°	10			W bl s celad w ~ mxx	613-624.5 medium to dark green lithic lapilli tuff w/ fine graded bedding which is ±65° to CA. weakly veined from 2-20 mm wide w/ SiO_2 + clay + sericite fill + marcasite + barite averaging ~ 3-6 vns/ft. most lithics are ≤ 1 mm	610-615				<	.16
	98			1-2% diss + vn py				615-620				<	.10
620	98	80°	SiO_2 + clay + py ± marcasite ± stibn.	±3% diss + vn py + vn marcasite + stibnite		W-M bl local w ~ peru m xx m-s celad	624.5-659.2 moderatly peruasively bleached lithic lapilli tuff - coarser clastic ranging from 2-15 mm on the average with slightly more matrix lithics are green to buff to flesh, hetero-lithic peru. bleached to clay alt. matrix is light yellowish green. moderatly peruasively silicified, secondary brecciation locally is possible. weakly to moderatly veined w/ local weak vein brecciation. Veins are 3-50 mm wide filled w/ SiO_2 + Kaolinite mix + local sericite + marcasite + stibnite (locally) weak local fine clay ± SiO_2 stkwk. predom veining average ~ 3-20 vns/ft. @ 659 is a 2"-3" barite-xtal vn Poss Hanging ALT FAULT Influence	620-625				< / <	.06 / .07
		±50° / vn						625-630				<	.11
630	97							630-635				<	.07
		50° / vn						635-640				.002	.22
640	98							640-645				<	.09
								645-650				<	.13
650	95							650-655				<	.11
		5° / 65°		2-3% diss + vn py + stibnite + poss black Ag sulf	70°	M-S bl SXXX w celad	659.2-679.3 South Ridge intensely silicified fault breccia. locally w/ up to 4-5 stages of brecciation. contact to ↑ peru. silicif is an xtaline barite vein @ 70° to C.A. Δ is reheated w/ SiO_2 which is locally vuggy & lined w/ druzy qtz & locally filled w/ Kaolinite + local barite + stibnite 664-670.4 massive SiO_2 w/ ↓ breccia texture weak clay + qtz + marca + stib veining ~ 1-4 vns/ft. 666-670.4 w/ strong fracture veining which is riddled w/ fine black stibnite needles locally mixed w/ SiO_2, locally w/ assoc. barite SRF	655-660				< / <	.05
660	97		qtz clay ± stibnite vns					660-665				<	.38 / .40
								665-670				<	.59
670													

HOLE # RL 2010 LOGGED BY KLK DATE 8-91 PAGE 5 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
680	103	massive SiO2	60° FAULT contact	~2% diss py ± marcasite		M-S bl SXXX w celad	S R F	670-675				.002	.42
	84		65° VN	4-5% diss + VN py + VN marcasite ± ? stibnite ± poss chalco	60°	M-S bl M≈ local XXX	Footwall FAULT Influence	675-679.3				.581	.42
690	100		27° VN			M-S bl M≈ w local X		679.3-684				.486	.18
	101		27° VN					684-688				.013	<
								688-693				.483	.48
								693-698				1.161	2.17
700	94		5°				LOOKS GOOD!	698-703				.460	.30
			60°					703-708				.786	.68
710	102		qtz clay py marcasite VNS	3-4% diss + VN py + VN marcasite + poss calco.		M-S bl M≈		708-713				.117 / .094	.10
								713-718				.019	.07
720	101							718-723				.084	.12
								723-728				.026	.04
730	101							728-733				.010	.07
								733-738				.008	<
740													

679.3 - 881 DT

670.4 - 679.3 SRF - w/ predom. breccia texture locally clasts w/ preserved clay alt. matrix is SiO2 cement. Locally matrix - poss as secondary overprint veining - is mixed SiO2 + clay. Local pods filled w/ kaolinite + sericite w/in interstices of Δ matrix especially between 676.5 - 679.3. Weak perv. veining: qtz + kaolin + sericite + marca. fill averaging ~ 1-5 vns/ft.

679.3 - 881 DOZER TUFF

contact @ 60° to CA.

679.3 - 727 pervasive m-s bleached fine grained tuff - buff to weak orangish yellow, weak to mod perv. argillic alt w/ local weak silicification. mod to strongly veined w/ strong clay fill which has oxidized to orangish yellow since drilled. 3 predom stages of veining:
1) hydrothermal breccia veins w/ 1-2 stgs Δ w/ SiO2 cement which have been overprinted w/ intense fine qtz + py/marca ± clay hairline stk wk > 50/ft
3) predominant SiO2 + kaolinite + py + marcasite + local barite + poss chalcopy which average 3-20 mm wide & locally up to 80 mm wide. Average ~ 5-15 vns/ft. this veining is predom subparelle to C.A.

727 - 758.6 Buff to flesh FGT. w/ decrease in overall veining, mod perv. argillic alt mod. bl. weak local vein brecciation cemented w/ SiO2. Pervasively riddled w/ fine hairline qtz ± py stockwk < 1mm. Predom veining is 1-3 mm wide rich w/ clays - locally orangish yellow & predom white + marcasite + py ± SiO2 ± ? chalcopy. Averaging ~ 6-10 vns/ft. few vens up to 11mm

HOLE # RL-2016 LOGGED BY KLK DATE 8-91 PAGE 6 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
750	100			3-4% diss + vn py + vn marcasite		M-S bl M
760	99		±35° GOUGE			
770	91	10° 30° qtz clay marcasite vns		3% diss + vn py + marcasite		M-S bl S; M-S bl M
780	103		Δ vn 15°			
790	100		Δ vn 10°			S bl S; M-S bl w poss wx
800	93		35° Δ; Δ 20°	±4% diss + vn py + vn marcasite		
810	100			2-3% diss + vn py + vn marcasite		

DESCRIPTION

679.3 - 881 DT

758.6 - 765 Pure lr green to white clay cemented breccia gouge, locally w/ white clay filling interstices of rock fabric - strong - intense argillic alt. w/ pervu. white clay veinlets & locally breccia veins. Total veins uncountable due to intensity of alteration

765 - 821.4 Verigated to mottled FGT Flesh to lt. hint green (±yellow) weak to mod pervu. argillic clay alteration. poss weak local silicification weak to moderate pervasive veining - 2 phases predominantly 1) fine hairline qtz - sulfide stkwk poss up to >50/ft. 2) 1-3 mm druzy qtz lined; clay + py ± marcasite ± sericite fill vns ~ predom subparallel to C.A. (weak local micro Δ vns) ~ 3-8 vns/ft.

773.5 - 776 w/ broken rubble

784 - 788 hydro Δ vns ~ ±10° to C.A.

792.2 - 793 broken rubble + clay gouge

794 - 798 Δ veins w/ clay matrix ~ 20° to C.A.

801 - 804 broken rubble w/ assoc S bl + S ≈ (argillic alt)

804 - 821.4 pervasive tectonic to crackle brecciation. ridded w/ fine qtz ± py hairline stkwk veinlets >50/ft prominent SiO_2 + Kaolin + marcas. veins - oxidized intermittently up to 12/ft.

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
738-743				.005	.04
743-748				.018	.11
748-753				.009	.06 / .07
753-758.6				.007	.03
758.6-762				.014 / .010	.13
762-765				<	.11
765-770				<	.04
770-775				<	.03
775-780				<	.03
780-784				.003	<
784-788				.007	.03
788-793				.019	.07
793-798				.036	.09
798-803				.044	.10
803-808				.022 / .018	.08

HOLE # RL-2016 LOGGED BY KLK DATE 8-91 PAGE 7 OF 7

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.	DESCRIPTION
820	97	GOUGE	Δ NN 37°	2-3% diss + VN py + VN marcasite		M-S bl w/ poss wx	679.3 - 881 DT 821.4 - 826.5 well bleached white intensely clay alt. FGT - gouge intermittently finely brecciated clay cemented riddled w/ fine sulfide + clay stringers ≤ 1 mm wide local vn Δ @ 37° to C.A. 20-30 + / ft
830	98			5-6% diss + VN py + VN marcasite ± ? tr chalco		M-S bl + orang S	826.5 - 837.4 pervasively brecciated (tectonically?) marbled peach / flesh to buff w/ oxided selvages on sulfides veins, moderately veined w/ local short stringers: composed of SiO_2 + Kaolin + py ± marcasite + few local micro Δ vns average ~ 20 ± 35 vns/ft
840	97		Δ 17° end contact			M bl peach org w/ poss wx	837.4 - 842.4 contact w/ above @ 17° to C.A. somewhat Tmb looking DT gray buff to slightly yellow, perv. silicif. ± 2% clay alt. phenos. fine stringers + w-m ucing - druzy qtz py ± marcasite + Kaolin vns ± Ag sulfide ~ ± 6 vns/ft
850	100			± 3% diss ± VN py + chalco py + ? v.G.		S bl S	842.4 - 854 FAULT: Intense fault gouge white to gray clays w/ mixed broken rubble m-s clay + sulfide veins uncountable since cut. Intermittent veins gray clay + fine dissem sulf up to 2" wide
860	92		± 25° Δ VN	4-5% VN ± diss py + VN marcasite ± ? chalco.		M bl M clay M-S to wx M bl hint org + grn w/ poss wx	854 - 856 lt green DT m-s argillic alt. w/ green clay stringers weak local golden yellow oxide stain 856 - 858.5 brecciated w/ wh SiO_2 + py + marcasite + clay ± py veins 5-11 / ft. matrix is tuffaceous - flesh colored poss wk silicif. riddled w/ fine qtz stkwk > 50 / ft.
870	102		65° VN				858.5 - 881 mottled DT buff to flesh to yellowish green, poss wk perv. silicification strong prominent veining predom. subparelle to 15° to C.A. ~ 3-8 mm wide w/ Kaolinite + mixed SiO_2 + pure Kaolinite ± sericite + py + marcasite ~ 13-25 vns / ft few local Δ to micro Δ vns SiO_2 cemented subparelle OR ± 65° to CA. 879.8 - 881 bl. white str. argillic clay gouge
881	100						THIS HOLE SHOULD HAVE KEPT GOING!

FAULT

STRONG FOOTWALL VEINING

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
808-813				.012	.016
813-818				.024	.46
818-821.4				.044	.18
821.4-826.5				.040	.16 / .19
826.5-831				<	<
831-834				.007	<
834-838				<	.09
838-843				.011	.16
843-848.5				.005 / .004	.17
848.5-854				.012 / .006	.16 / .16
854-858				.007	.03
858-863				.007	.09
863-868				.004	.05
868-873				<	.03
873-877				.073	.09
877-881				.006	.06

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: DOZER LOGGED BY: SAS

HOLE NO.: RL-201 C DIP: VERTICAL CORE SIZE: HQ DATE: 7-25-91

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
400	405	5'	3.5	2.55	6	70%	51%	1.7	40-55°	VN/TH; FD/CLY/W-R
405	410	5'	4.5	4.2	5	90	84	1.1	70-75°	VN/TH, FD/CLY/R
410	415	5'	5.0	5.0	2	100	100	0.6	65-75°	VN/TH, FD/CLY/R
					1				65°	VN, VG/TH-OP, FD/QTZ, CLY, MAR/R
										NOTE: 413'-413.5' Clay Gouge
415	420	5'	4.85	4.85	6	97	97	1.2	50-85°	VN, ±VG/TH; FD/CLY, QTZ, MAR, ±PY/R
420	425	5'	5.2	4.6	7	104	92	1.3	55-70°	VN, ±VG/TH-OP, FD/CLY, QTZ/R
425	430	5'	5.0	5.0	2	100	100	0.4	45-70°	VN/TH, FD/CLY/PL-R
430	435	5'	4.55	4.2	9	91	44	2.0	45-80°	J, VN/TH, FD/CLY, ±QTZ, ±PY/W-R
										Note: 428'-437' Strongly argillized.
435	440	5'	4.9	4.0	7	98	80	2.2	10-50°	VN/TH, FD/CLY, MAR, QTZ/PL, R
					4				25-55°	VN, VG/TH-OP, FD/QTZ, MAR, CLY/R
440	445	5'	5.3	4.5	6	106	90	1.1	40-45°	VN, VG/TH-OP, FD/QTZ, CLY, BAR/R
										NOTE: Some broken rubble @ 444'
445	450	5'	3.3	2.4	7	66	48	2.1	35-60°	VN, ±VG/TH-OP, FD/QTZ, CLY, BAR, MAR/R
450	455	5'	5.1	4.8	8	102	96	1.8	55-70°	VN/TH, FD/CLY, QTZ/PL-R
					1				30°	VN, VG/OP, FD/BAR, QTZ, CLY/R
455	460	5'	4.55	4.0	4	91	80	0.9	25-45°	VN/TH, FD/QTZ, CLY/PL
460	465	5'	5.05	3.5	10	101	70	2.0	20-50°	VN, ±VG/TH-OP, FD/QTZ, CLY/PL, SM-R
465	470	5'	4.7	4.25	4	94	85	0.9	10-60°	VN, ±VG/TH-OP, FD/QTZ, CLY, PY, MAR/PL-R
470	475	5'	4.95	4.35	6	99	87	1.2	30-60°	VN, ±VG/TH-OP, FD/QTZ, BAR, CLY, PY/R
475	480	5'	5.0	4.75	9	100	95	1.8	40-70°	VN, ±VG/TH, FD/QTZ, CLY, PY/PL-R
480	485	5'	5.0	4.6	6	100	92	1.2	30-65°	VN, ±VG/TH-OP, FD/QTZ, CLY, PY/PL-R
485	490	5'	4.85	4.6	11	97	92	2.3	5-50°	VN/TH, FD/QTZ, PY, CLY/PL, R
490	495	5'	4.95	3.9	8	99	78	1.6	25-65°	VN/TH, FD/QTZ, CLY/W-R
495	500	5'	5.35	4.6	6	107	92	1.5	40-55°	VN/TH, FD/CLY, QTZ/PL, W-R
					2				0-50°	VN, VG/TH-OP, FD/QTZ, CLY, BAR, PY/R
500	505	5'	5.1	4.45	5	102	89	1.0	25-55°	VN/TH, FD/CLY, QTZ/R //// Note: Broken
										rubble and sandy clay gouge 503'-503.5'
505	510	5'	4.75	4.5	7	95	90	1.5	50-60°	VN, ±VG/TH, FD/QTZ, CLY, ±PY, ±BAR/R
510	515	5'	5.0	5.0	5	100	100	1.0	35-65°	VN/TH, FD/QTZ, CLY, PY/R

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: DOZER LOGGED BY: SAS

HOLE NO.: RL-201C DIP: VERTICAL CORE SIZE: HQ DATE: 7-25-91

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
515	520	5'	4.9	4.35	10	98%	87%	2.4	10-65°	VN/TH, FD/QTZ, CLY, ±PY/PL-R
					2				10-40°	VN/TH, FD/QTZ, PY, CLY/PL, SL
520	525	5'	4.9	4.75	3	98	95	1.4	20-55°	VN, VG/TH, FD/QTZ, CLY, BAR/R
					4				65-85°	VN/TH, FD/QTZ, CLY/PL, R
525	530	5'	4.8	4.5	3	96	90	0.6	25-70°	VN/TH, FD/QTZ, CLY, ±BAR/R
530	535	5'	5.1	4.3	8	102	86	1.6	25-55°	J, VN/TH, FD/CLY, QTZ/R
535	540	5'	4.6	4.6	8	92	92	1.7	45-50°	J, VN/TH, FD/QTZ, CLY/R
540	545	5'	5.05	5.05	6	101	101	1.2	40-50°	J, VN/TH, FD/QTZ, CLY, ±MAR/PL-R
545	550	5'	4.65	4.05	7	93	81	1.5	35-50°	J, VN/TH, FD/QTZ, CLY, ±PY/PL-R
550	555	5'	5.05	3.0	11	101	60	2.2	45-75°	J, VN/TH, FD/CLY, ±QTZ/R
										NOTE: Clay-gouge shear zone @ 553'-554'
										Argillized 554'-555.5', some rubble
555	560	5'	4.4	3.0	8	88	60	1.8	0-70°	J, VN/TH, FD/CLY/R
560	565	5'	4.9	4.7	6	98	94	1.4	50-90°	J, VN/TH, FD/CLY/R
					1				0-5°	VN, VG/TH-OP, FD/QTZ/R
565	570	5'	4.7	4.5	2	94	90	0.9	5-75°	VN/TH, FD/CLY
					2				70°	VN/OP, FD/QTZ/R
570	575	5'	5.0	5.0	8	100	100	1.6	50-65°	VN, VG/TH-OP, FD/QTZ/R
575	580	5'	4.85	4.2	5	97	84	1.0	30-75°	VN, VG/TH-OP, FD/QTZ, CLY/R
580	585	5'	5.0	4.8	9	100	96	1.8	0-70°	VN, ±VG/TH-OP, FD/QTZ, CLY, ±BAR/R
585	590	5'	4.5	3.75	4	90	75	1.6	45-55°	VN, VG/OP, FD/QTZ, BAR, CLY/R
					3				95-45°	J/TH, FD/CLY/R
590	595	5'	5.0	4.9	6	100	98	2.0	0-65°	VN, ±VG/TH-OP, FD/QTZ, CLY, BAR/R
					4				40-80°	VN/TH, FD/CLY/R
595	600	5'	4.85	4.85	4	97	97	1.2	30-90°	VN, VG/TH-OP, FD/QTZ, BAR/R
					2				0-80°	VN/TH, FD/CLY, ±QTZ, ±BAR/R
600	605	5'	4.3	4.3	6	86	86	1.4	0-55°	VN, VG/TH-OP, FD/QTZ, BAR, CLY/R
605	610	5'	5.9	4.95		118	99	1.5		Note: 605'-605.5' Clay gouge and rubble.
					9				40-85°	VN, VG/TH-OP, FD/QTZ, BAR, CLY/R
610	615	5'	5.1	5.1	5	102	102	1.4	35-65°	VN, VG/TH-OP, FD/QTZ, BAR, CLY/R
					2				30-40°	VN/TH, FD/CLY, QTZ/R

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: Dozer LOGGED BY: SAS

HOLE NO.: RL-201 C DIP: VERTICAL CORE SIZE: HQ / NQ DATE: 7-28-91

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
615	620	5'	4.6	4.35	7	92%	87%	1.5	50-70°	VN, ± VG / TH, FD / QTZ, CLY, ± BAR / R
620	625	5'	5.0	5.0	5	100	100	1.0	40-70°	VN, ± VG / TH-OP, FD / QTZ, CLY / R
625	630	5'	5.0	5.0	8	100	100	1.6	35-80°	VN, VG / TH-OP, FD / QTZ, BAR, CLY / R
630	635	5'	5.1	5.1	4	102	102	0.8	45-55°	VN, ± VG / TH-OP, FD / CLY, QTZ, ± BAR / R
635	640	5'	4.65	4.5	7	93	90	1.5	30-70°	VN, ± VG / TH, FD / CLY, QTZ / R
640	645	5'	5.0	4.3	10	100	86	2.0	20-90°	VN, ± VG / TH-OP, FD / CLY, QTZ / R
645	650	5'	4.9	4.9	3	98	98	0.6	45-60°	VN, VG / TH, FD / CLY, BAR / R
650	655	5'	5.0	4.75	7	100	95	1.4	30-55°	VN, ± VG / TH-OP, FD / CLY, QTZ, BAR / R
655	660	5'	4.15	3.85	7	83	77	1.7	0-55°	VN, ± VG / TH-OP, FD / QTZ, BAR, CLY / R
660	665	5'	4.95	3.0	14	99	60	2.8	25-70°	VN, ± VG / TH-OP, FD / QTZ, CLY / R
665	670	5'	4.6	3.5	10	92	70	2.2	0-45°	VN / TH, FD / QTZ, CLY / R
670	675	5'	4.95	3.4	14	99	68	2.8	45-85°	VN, ± VG / TH, FD / QTZ, CLY / R
675	680	5'	4.9	4.9	4	98	98	0.8	20-60°	VN, ± VG / TH, FD / QTZ, CLY / R
680	685	5'	5.0	4.65		100	93	2.0		Note: Fault @ '679', into Dozer. At 683',
										core size reduced to NQ
					10				0-55°	VN, ± VG / TH, FD / QTZ, CLY / R
685	690	5'	4.25	3.4	6	85	68	1.4	40-55°	VN / TH, FD / CLY / PL, R
690	695	5'	4.9	4.85	4	98	97	0.8	60-65°	VN / TH, FD / CLY, QTZ / R
695	700	5'	5.0	5.0	5	100	100	1.0	40-70°	VN / TH, FD / CLY, MAR / R
700	705	5'	4.95	4.95	6	99	99	1.2	20-75°	VN / TH-OP, FD / CLY, QTZ / R
705	710	5'	4.8	4.45	8	96	89	1.7	30-60°	VN / TH-OP, FD / CLY, ± MAR / PL-R
710	715	5'	4.3	3.8	11	86	76	2.6	30-75°	VN / TH-OP, FD / CLY / R
715	720	5'	5.25	3.55	12	105	71	2.3	30-75°	VN / TH, FD / CLY, MAR / PL, R
720	725	5'	4.75	2.05	16	95	41	3.4	0-65°	VN / TH, FD / CLY / R
725	730	5'	5.0	4.7	7	100	94	1.4	50-60°	VN / TH, FD / CLY / R
730	735	5'	4.9	3.8	14	98	76	2.9	15-85°	VN / TH, FD / CLY, ± QTZ / R
735	740	5'	5.15	4.1	8	103	82	1.6	0-80°	VN / TH, FD / CLY, ± MAR / PL, R
740	745	5'	4.9	4.6	7	98	92	1.4	15-75°	VN / TH, FD / CLY / R
745	750	5'	4.85	4.5	7	97	90	1.4	15-80°	VN / TH, FD / CLY, MAR / R
750	755	5'	5.0	3.9	7	100	78	2.2	40-70°	VN / TH, FD / CLY / R
					4				20-35°	VN, VG / TH-OP, FD / QTZ, CLY / R

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: DOZER LOGGED BY: SAS

HOLE NO.: RL-201C DIP: VERTICAL CORE SIZE: NQ DATE: 7-28-91

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
755	760	5'	4.9	4.65	3	98%	93%	0.6	45-50°	VN/TH, FD/CLY/PL, W
										Note: 758.6'-765' strongly Argillized
760	765	5'	4.9	4.8	0	98	96	0.0	—	—
765	770	5'	4.1	4.1	6	82	82	1.5	20-50°	VN/TH, FD/CLY, MAR/PL, W
770	775	5'	4.9	3.1	7	98	62	1.4	15-70°	VN/TH, FD/CLY, MAR/PL-R
										Note: 774'-775' Broken Argillic rubble
775	780	5'	4.95	4.05	8	99	81	1.6	20-55°	VN/TH, FD/CLY, ± MAR/PL-R
780	785	5'	4.9	4.7	4	98	94	0.8	10-80°	VN/TH, FD/CLY/R
785	790	5'	4.9	4.9	3	98	98	0.6	20-50°	VN/TH, FD/CLY/R
790	795	5'	4.8	3.6	5	96	72	1.0	30-50°	VN/TH, FD/CLY/R Note: 792'-793' Broken rubble
795	800	5'	5.05	4.8	6	101	96	1.2	25-60°	VN/TH, FD/CLY, ± MAR/PL, R
800	805	5'	4.25	2.05	3	85	41	0.7	45-70°	VN/TH, FD/CLY/PL
										Note: 801'-804' Broken rubble.
805	810	5'	5.1	4.5	5	102	90	1.0	45-65°	VN/TH, FD/CLY/R
810	815	5'	4.9	4.65	7	98	93	1.4	40-55°	VN/TH, FD/CLY/W-R
815	820	5'	4.9	4.4	10	98	88	2.0	25-50°	VN/TH, FD/CLY, MAR/R
820	825	5'	4.55	2.3	6	91	46	1.3	40-65°	VN/TH, FD/CLY/R
										Note: 821.4'-826.5' strongly argillized;
										Some broken rubble.
825	830	5'	4.7	3.95	9	94	79	1.9	40-65°	VN/TH, FD/CLY/R
830	835	5'	4.9	4.35	7	98	87	1.4	20-70°	VN/TH, FD/CLY, ± PY/R
835	840	5'	5.1	4.35	6	102	87	1.2	0-65°	VN, ± VG/TH-OP, FD/CLY, ± QTZ/R
840	845	5'	4.2	2.0	6	84	40	1.4	30-65°	VN/TH, FD/CLY/R
										Note: 842.5'-854' Clay gouge; some rubble
845	850	5'	4.0	0.8	SEE NOTE	80	16			
850	855	5'	4.15	0.85	3	83	17	0.7	50-70°	VN/TH, FD/CLY, PY/PL
855	860	5'	5.0	4.1	6	100	82	1.2	30-75°	VN/TH, FD/CLY, ± QTZ/R
										NOTE: 857.5'-858' Clay gouge and rubble
860	865	5'	4.45	4.45	1	89	89	0.4	55°	VN/TH, FD/CLY, PY/R
					1				0-5°	VN, VG/TH, FD/QTZ, MAR/PL, R
865	870	5'	5.0	5.0	3	100	100	0.6	0-10°	VN, ± VG/TH-OP, FD/QTZ, CLY, MAR/PL, R

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: Dozer LOGGED BY: SAS

HOLE NO.: RL-201C DIP: Vertical CORE SIZE: NQ DATE: 7-29-91

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
870	875	5'	5.05	4.75	6	101%	95%	1.2	0-30°	VN, ± VG/TH-OP, FD/CLY, QTZ/R
875	881	6'	5.9	4.8	10	98	80	1.7	20-60°	VN/TH, FD/CLY, ± PY/R
	T.D. 881'									NOTE: 880.5' - 881' Strongly argillized

Bondar-Clegg, Inc.
625 Spice Island Dr.
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702 (359-9330)

BC
BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

RL 201C
400-881

Geochemical Lab Report

AUG 19 1991

REPORT: R91-11552.4 (COMPLETE)

REFERENCE INFO: RL 201C 400-881

CLIENT: LAC MINERALS (USA) INC.
PROJECT: ROSEBUD

SUBMITTED BY: KENNER
DATE PRINTED: 15-AUG-91

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	106	0.002 OPT		Fire Assay
2	Au DUP Gold Duplicate	13	0.002 OPT		Fire Assay
3	AG DUP AG DUPLICATE	8	0.02 OPT		Fire Assay
4	Ag Silver	106	0.02 OPT	MULT ACID TOT DIG	Atomic Absorption
5	AU Dup Gold Duplicate	1	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	101	2 -150	101	CRUSH,PULVERIZE -150	101
P PREPARED PULP	5	4 AS REC'D	5	AS RECEIVED, NO SP	5
				DRYING/SAMPLE	101

NOTES: # indicates ERRATIC RESULTS

REMARKS: #ERRATIC RESULTS OBSERVED ON THE FOLLOWING:
RL201C 410 415--<0.002 AND 0.012 OPT.
C. FRANKLIN

REPORT COPIES TO: MR. TIM KUHL
MR. TIM KUHL
MS. KRISTIN KENNER

INVOICE TO: MR. TIM KUHL

Kenneth D. Lamma

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BONDAR-CLEGG

AUG 15 1991

RL 201c

0-400

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

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625 Spice Island Dr.
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Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R91-11493.4 (COMPLETE)

REFERENCE INFO: RL201C, 0-400

CLIENT: LAC MINERALS (USA) INC.
PROJECT: ROSEBUD

SUBMITTED BY: STOHBERL
DATE PRINTED: 13-AUG-91

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	82	0.002 OPT		Fire Assay
2	Au DUP Gold Duplicate	9	0.002 OPT		Fire Assay
3	AU Dup Gold Duplicate	1	0.002 OPT		Fire Assay
4	Ag Silver	82	0.02 OPT	MULT ACID TOT DIG	Atomic Absorption
5	AG DUP AG DUPLICATE	7	0.02 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	79	2 -150	79	CRUSH,PULVERIZE -150	79
P PREPARED PULP	3	4 AS REC'D	3	AS RECEIVED, NO SP	3

REMARKS: THE FOLLOWING WERE LISTED AS INCLUDED BUT WERE MISSING - RL 201C 370-375.

REPORT COPIES TO: MS. CYNDIE WALCK
MR. TIM KUHL
MR. TIM KUHL

INVOICE TO: MR. TIM KUHL

Kenneth D. Hammon

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PROJECT: ROSEBUD

STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT
ANALYTICAL BLANK		<0.002	-	-	-	-
ANALYTICAL BLANK		<0.002	-	-	-	-
Number of Analyses		2	-	-	-	-
Mean Value		0.0010	-	-	-	-
Standard Deviation		0.000000	-	-	-	-
Accepted Value		0.002	-	-	-	-
AU ASSAY STD		0.014	-	-	-	-
Number of Analyses		1	-	-	-	-
Mean Value		0.0140	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		0.015	-	-	-	-
GEO TRACE STD1(1989)		-	-	-	1.04	-
GEO TRACE STD1(1989)		-	-	-	1.06	-
GEO TRACE STD1(1989)		-	-	-	0.98	-
Number of Analyses		-	-	-	3	-
Mean Value		-	-	-	1.024	-
Standard Deviation		-	-	-	0.0400	-
Accepted Value		-	-	-	1.05	-
AG ASSAY		-	-	-	2.92	-
AG ASSAY		-	-	-	2.91	-
AG ASSAY		-	-	-	3.13	-
Number of Analyses		-	-	-	3	-
Mean Value		-	-	-	2.984	-
Standard Deviation		-	-	-	0.1247	-
Accepted Value		-	-	-	3.03	-

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Geochemical Lab Report

DATE PRINTED: 15-AUG-91

REPORT: R91-11552.4 (COMPLETE)

PROJECT: ROSEBUD

STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	AG DUP OPT	Ag OPT	AU Dup OPT
AU ASSAY STD		0.147	-	-	-	-
Number of Analyses		1	-	-	-	-
Mean Value		0.1470	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		0.150	-	-	-	-
ANALYTICAL BLANK		<0.002	-	-	-	-
ANALYTICAL BLANK		<0.002	-	-	-	-
ANALYTICAL BLANK		<0.002	-	-	-	-
Number of Analyses		3	-	-	-	-
Mean Value		0.0010	-	-	-	-
Standard Deviation		0.000000	-	-	-	-
Accepted Value		0.002	-	-	-	-
GEO TRACE STD1(1989)		-	-	-	0.97	-
GEO TRACE STD1(1989)		-	-	-	1.04	-
GEO TRACE STD1(1989)		-	-	-	1.00	-
Number of Analyses		-	-	-	3	-
Mean Value		-	-	-	1.002	-
Standard Deviation		-	-	-	0.0345	-
Accepted Value		-	-	-	1.05	-
AG ASSAY		-	-	-	3.00	-
AG ASSAY		-	-	-	3.10	-
AG ASSAY		-	-	-	3.07	-
Number of Analyses		-	-	-	3	-
Mean Value		-	-	-	3.058	-
Standard Deviation		-	-	-	0.0523	-
Accepted Value		-	-	-	3.03	-
AU PULP STD		0.159	-	-	-	-
Number of Analyses		1	-	-	-	-
Mean Value		0.1590	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		0.184	-	-	-	-

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STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	AG DUP OPT	Ag OPT	AU Dup OPT
AU ASSAY STD		0.012	-	-	-	-
Number of Analyses		1	-	-	-	-
Mean Value		0.0120	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		0.015	-	-	-	-

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

SEP 03 1991

REPORT: R91-11493.4 (PARTIAL)

REFERENCE INFO: RL201C, 0-400

CLIENT: LAC MINERALS (USA) INC.
PROJECT: ROSEBUD

SUBMITTED BY: STOEBERL
DATE PRINTED: 8-AUG-91

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	82	0.002 OPT		Fire Assay
2	Au DUP Gold Duplicate	9	0.002 OPT		Fire Assay
3	AU Dup Gold Duplicate	1	0.002 OPT		Fire Assay

RESULTS TO FOLLOW FOR: AG DUP Ag

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	79	2 -150	79	CRUSH,PULVERIZE -150	79
P PREPARED PULP	3	4 AS REC'D	3	AS RECEIVED, NO SP	3

REMARKS: THE FOLLOWING WERE LISTED AS INCLUDED BUT WERE MISSING - RL 201C 370-375.

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Rickey L Smith

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PROJECT: ROSEBUD

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT
Z2 RL201C 0 5		<0.002		
Z2 RL201C 5 10		<0.002		
Z2 RL201C 10 15		<0.002		
Z2 RL201C 15 20		<0.002	<0.002	
Z2 RL201C 20 25		<0.002		
Z2 RL201C 25 30		<0.002		
Z2 RL201C 30 35		<0.002		
Z2 RL201C 35 40		<0.002		
Z2 RL201C 40 45		<0.002		
Z2 RL201C 45 50		<0.002		
Z2 RL201C 50 55		<0.002		
Z2 RL201C 55 60		<0.002	<0.002	
Z2 RL201C 60 65		<0.002		
Z2 RL201C 65 70		<0.002	<0.002	
Z2 RL201C 70 75		<0.002		
Z2 RL201C 75 80		<0.002		
Z2 RL201C 80 85		<0.002		
Z2 RL201C 85 90		<0.002		
Z2 RL201C 90 95		<0.002		
Z2 RL201C 95 100		<0.002		
P4 BA 49		<0.002		
Z2 RL201C 100 105		<0.002		
Z2 RL201C 105 110		<0.002		
Z2 RL201C 110 115		<0.002		
Z2 RL201C 115 120		<0.002		
Z2 RL201C 120 125		<0.002	0.002	
Z2 RL201C 125 130		<0.002		
Z2 RL201C 130 135		<0.002		
Z2 RL201C 135 140		<0.002		
Z2 RL201C 140 145		<0.002		
Z2 RL201C 145 150		<0.002		
Z2 RL201C 150 155		<0.002		
Z2 RL201C 155 160		<0.002		
Z2 RL201C 160 165		<0.002		
Z2 RL201C 165 170		<0.002		
Z2 RL201C 170 175		<0.002	<0.002	
Z2 RL201C 175 180		<0.002		
Z2 RL201C 180 185		<0.002		
Z2 RL201C 185 190		0.002		
Z2 RL201C 190 195		0.003		
Z2 RL201C 195 200		0.003		
P4 BA 52		<0.002		
Z2 RL201C 200 205		<0.002		
Z2 RL201C 205 210		<0.002		
Z2 RL201C 210 215		0.005		
Z2 RL201C 215 220		0.005		
Z2 RL201C 220 225		<0.002	<0.002	
Z2 RL201C 225 230		0.010		
Z2 RL201C 230 235		0.007	0.010	0.005
Z2 RL201C 235 240		0.003		
Z2 RL201C 240 245		<0.002		
Z2 RL201C 245 250		<0.002		
Z2 RL201C 250 255		<0.002		
Z2 RL201C 255 260		<0.002		
Z2 RL201C 260 265		<0.002		
Z2 RL201C 265 270		0.003		
Z2 RL201C 270 275		0.002	<0.002	
Z2 RL201C 275 280		<0.002		
Z2 RL201C 280 285		<0.002		
Z2 RL201C 285 290		<0.002		
Z2 RL201C 290 295		<0.002		
Z2 RL201C 295 300		<0.002		
P4 BA 53		0.034		
Z2 RL201C 300 305		0.016		
Z2 RL201C 305 310		0.022		
Z2 RL201C 310 315		0.003		
Z2 RL201C 315 320		0.003		
Z2 RL201C 320 325		0.004		
Z2 RL201C 325 330		0.002	0.002	
Z2 RL201C 330 335		<0.002		
Z2 RL201C 335 340		0.004		
Z2 RL201C 340 345		0.005		
Z2 RL201C 345 350		0.005		
Z2 RL201C 350 355		0.013		
Z2 RL201C 355 360		0.007		
Z2 RL201C 360 365		0.004		
Z2 RL201C 365 370		<0.002		
Z2 RL201C 375 380		<0.002		
Z2 RL201C 380 385		<0.002		
Z2 RL201C 385 390		<0.002		

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT
Z2 RL201C 390 395		<0.002							
Z2 RL201C 395 400		<0.002							

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STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT
ANALYTICAL BLANK		<0.002	-	-					
ANALYTICAL BLANK		<0.002	-	-					
Number of Analyses		2	-	-					
Mean Value		0.0010	-	-					
Standard Deviation		0.000000	-	-					
Accepted Value		0.002	-	-					
AU ASSAY STD		0.014	-	-					
Number of Analyses		1	-	-					
Mean Value		0.0140	-	-					
Standard Deviation		-	-	-					
Accepted Value		0.015	-	-					
Number of Analyses		-	-	-					
Mean Value		-	-	-					
Standard Deviation		-	-	-					
Accepted Value		-	-	-					
Number of Analyses		-	-	-					
Mean Value		-	-	-					
Standard Deviation		-	-	-					
Accepted Value		-	-	-					

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT
RL201C 15 20		<0.002	<0.002						
Duplicate		<0.002							
RL201C 55 60		<0.002	<0.002						
Prep Duplicate		<0.002							
RL201C 65 70		<0.002	<0.002						
Duplicate		<0.002							
RL201C 120 125		<0.002	0.002						
Duplicate		<0.002							
RL201C 170 175		<0.002	<0.002						
Duplicate		<0.002							
RL201C 220 225		<0.002	<0.002						
Duplicate		<0.002							
RL201C 230 235		0.007	0.010	0.005					
Prep Duplicate		0.010	0.005						
RL201C 270 275		0.002	<0.002						
Duplicate		<0.002							
RL201C 325 330		0.002	0.002						
Duplicate		0.002							
Prep Duplicate		0.010	0.005						
Duplicate		0.005							

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT
Z2 RL201C 0 5		<0.002			<0.02	
Z2 RL201C 5 10		<0.002			<0.02	
Z2 RL201C 10 15		<0.002			<0.02	
Z2 RL201C 15 20		<0.002	<0.002		<0.02	<0.02
Z2 RL201C 20 25		<0.002			<0.02	
Z2 RL201C 25 30		<0.002			<0.02	
Z2 RL201C 30 35		<0.002			<0.02	
Z2 RL201C 35 40		<0.002			<0.02	
Z2 RL201C 40 45		<0.002			<0.02	
Z2 RL201C 45 50		<0.002			<0.02	
Z2 RL201C 50 55		<0.002			<0.02	
Z2 RL201C 55 60		<0.002	<0.002		<0.02	<0.02
Z2 RL201C 60 65		<0.002			<0.02	
Z2 RL201C 65 70		<0.002	<0.002		<0.02	
Z2 RL201C 70 75		<0.002			<0.02	
Z2 RL201C 75 80		<0.002			<0.02	
Z2 RL201C 80 85		<0.002			<0.02	
Z2 RL201C 85 90		<0.002			<0.02	
Z2 RL201C 90 95		<0.002			<0.02	
Z2 RL201C 95 100		<0.002			<0.02	
P4 BA 49		<0.002			<0.02	
Z2 RL201C 100 105		<0.002			<0.02	<0.02
Z2 RL201C 105 110		<0.002			<0.02	
Z2 RL201C 110 115		<0.002			<0.02	
Z2 RL201C 115 120		<0.002			<0.02	
Z2 RL201C 120 125		<0.002	0.002		<0.02	
Z2 RL201C 125 130		<0.002			<0.02	
Z2 RL201C 130 135		<0.002			<0.02	
Z2 RL201C 135 140		<0.002			<0.02	
Z2 RL201C 140 145		<0.002			<0.02	
Z2 RL201C 145 150		<0.002			<0.02	
Z2 RL201C 150 155		<0.002			<0.02	
Z2 RL201C 155 160		<0.002			<0.02	
Z2 RL201C 160 165		<0.002			<0.02	
Z2 RL201C 165 170		<0.002			<0.02	
Z2 RL201C 170 175		<0.002	<0.002		<0.02	
Z2 RL201C 175 180		<0.002			<0.02	
Z2 RL201C 180 185		<0.002			<0.02	
Z2 RL201C 185 190		0.002			0.06	
Z2 RL201C 190 195		0.003			0.08	0.08

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT
Z2 RL201C 195 200		0.003			0.15	
P4 BA 52		<0.002			<0.02	
Z2 RL201C 200 205		<0.002			0.13	
Z2 RL201C 205 210		<0.002			0.11	
Z2 RL201C 210 215		0.005			0.10	
Z2 RL201C 215 220		0.005			0.07	
Z2 RL201C 220 225		<0.002	<0.002		0.06	
Z2 RL201C 225 230		0.010			0.16	
Z2 RL201C 230 235		0.007	0.010	0.005	0.11	0.08
Z2 RL201C 235 240		0.003			0.05	
Z2 RL201C 240 245		<0.002			<0.02	
Z2 RL201C 245 250		<0.002			0.05	
Z2 RL201C 250 255		<0.002			0.07	
Z2 RL201C 255 260		<0.002			0.03	
Z2 RL201C 260 265		<0.002			0.04	
Z2 RL201C 265 270		0.003			0.07	
Z2 RL201C 270 275		0.002	<0.002		0.07	
Z2 RL201C 275 280		<0.002			0.05	0.05
Z2 RL201C 280 285		<0.002			0.03	
Z2 RL201C 285 290		<0.002			0.06	
Z2 RL201C 290 295		<0.002			0.06	
Z2 RL201C 295 300		<0.002			<0.02	
P4 BA 53		0.034			0.15	
Z2 RL201C 300 305		0.016			0.09	
Z2 RL201C 305 310		0.022			0.05	
Z2 RL201C 310 315		0.003			0.08	
Z2 RL201C 315 320		0.003			0.04	
Z2 RL201C 320 325		0.004			0.16	
Z2 RL201C 325 330		0.002	0.002		0.08	
Z2 RL201C 330 335		<0.002			0.18	
Z2 RL201C 335 340		0.004			0.14	
Z2 RL201C 340 345		0.005			0.25	
Z2 RL201C 345 350		0.005			0.15	
Z2 RL201C 350 355		0.013			0.13	
Z2 RL201C 355 360		0.007			0.24	
Z2 RL201C 360 365		0.004			0.09	
Z2 RL201C 365 370		<0.002			<0.02	<0.02
Z2 RL201C 375 380		<0.002			<0.02	
Z2 RL201C 380 385		<0.002			<0.02	
Z2 RL201C 385 390		<0.002			0.04	

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT
Z2 RL201C 390 395		<0.002			0.04	
Z2 RL201C 395 400		<0.002			<0.02	

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AG DUP OPT	Ag OPT	AU Dup OPT
D2 RL201C 400 405		0.004			0.12	
D2 RL201C 405 410		0.002			0.07	
D2 RL201C 410 415		0.024#	0.012	0.11	0.12	<0.002
D2 RL201C 415 420		0.005			0.05	
D2 RL201C 420 425		<0.002			0.08	
D2 RL201C 425 430		0.002			0.10	
D2 RL201C 430 435		0.008			0.10	
D2 RL201C 435 440		<0.002			0.09	
D2 RL201C 440 445		<0.002			0.06	
D2 RL201C 445 450		<0.002			0.06	
D2 RL201C 450 455		<0.002			0.04	
D2 RL201C 455 460		<0.002			0.05	
D2 RL201C 460 465		<0.002	<0.002	0.04	0.05	
D2 RL201C 465 470		<0.002			0.05	
D2 RL201C 470 475		0.003			0.07	
D2 RL201C 475 480		0.003	<0.002		0.05	
D2 RL201C 480 485		<0.002			0.04	
D2 RL201C 485 490		<0.002			0.04	
D2 RL201C 490 495		<0.002			0.04	
D2 RL201C 495 500		0.007			0.03	
P4 BA 81		0.059		0.06	0.08	
D2 RL201C 500 505		<0.002			0.04	
D2 RL201C 505 510		0.002			0.06	
D2 RL201C 510 515		<0.002			0.04	
D2 RL201C 515 520		<0.002	<0.002		<0.02	
D2 RL201C 520 525		0.004			0.11	
D2 RL201C 525 530		<0.002			<0.02	
D2 RL201C 530 535		<0.002			0.06	
D2 RL201C 535 540		0.003			0.08	
D2 RL201C 540 545		<0.002			0.04	
D2 RL201C 545 549		<0.002			0.03	
D2 RL201C 549 553		0.005			0.05	
D2 RL201C 553 556		<0.002			0.03	
D2 RL201C 556 560		0.003			0.03	
D2 RL201C 560 565		<0.002	<0.002		0.03	
D2 RL201C 565 570		0.009			0.07	
D2 RL201C 570 575		<0.002			0.07	
D2 RL201C 575 580		0.002			0.05	
D2 RL201C 580 585		0.002			0.05	
D2 RL201C 585 590		0.002			0.07	

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REPORT: R91-11552.4 (COMPLETE)

PROJECT: ROSEBUD

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AG DUP OPT	Ag OPT	AU Dup OPT
D2 RL201C 590 595		0.018			0.09	
P4 BA 82		0.028			0.21	
D2 RL210C 595 600		0.002			0.05	
D2 RL210C 600 605		<0.002			0.10	
D2 RL210C 605 605.6		<0.002			0.04	
D2 RL210C 605.6 610		0.002	<0.002		0.12	
D2 RL201C 610 615		<0.002			0.16	
D2 RL201C 615 620		<0.002			0.10	
D2 RL201C 620 625		<0.002	<0.002	0.07	0.06	
D2 RL201C 625 630		<0.002			0.11	
D2 RL201C 630 635		<0.002			0.07	
D2 RL201C 640 645		0.002			0.22	
D2 RL201C 640 645 DUP		<0.002			0.09	
D2 RL201C 645 650		<0.002			0.13	
D2 RL201C 650 655		<0.002			0.11	
D2 RL201C 655 660		<0.002	<0.002		0.05	
D2 RL201C 660 665		<0.002		0.38	0.40	
D2 RL201C 665 670		<0.002			0.59	
D2 RL201C 670 675		0.002			0.42	
D2 RL201C 675 679.3		0.581			0.42	
D2 RL201C 679.3 684		0.486			0.18	
D2 RL201C 684 688		0.013			<0.02	
P4 BA 83		0.080			0.05	
D2 RL201C 688 693		0.483		486	0.48	
D2 RL201C 693 698		1.161			2.17	
D2 RL201C 698 703		0.460			0.30	
D2 RL201C 703 708		0.786			0.68	
D2 RL201C 708 713		0.117	0.094		0.10	
D2 RL201C 713 718		0.019			0.07	
D2 RL201C 718 723		0.084			0.12	
D2 RL201C 723 728		0.026			0.04	
D2 RL201C 728 733		0.010			0.07	
D2 RL201C 733 738		0.008			<0.02	
D2 RL201C 738 743		0.005			0.04	
D2 RL201C 743 748		0.018			0.11	
D2 RL201C 748 753		0.009		0.06	0.07	
D2 RL201C 753 758.6		0.007			0.03	
D2 RL201C 758.6 762		0.014	0.010		0.13	
D2 RL201C 762 765		<0.002			0.11	
D2 RL201C 765 770		<0.002			0.04	

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D2 RL201 770 775		<0.002			0.03	
D2 RL201 775 780		<0.002			0.03	
D2 RL201 780 784		0.003			<0.02	
P4 BA 84		0.045			0.04	
D2 RL201C 784 788		0.007			0.03	
D2 RL201C 788 793		0.019			0.07	
D2 RL201C 793 798		0.036			0.09	
D2 RL201C 798 803		0.044			0.10	
D2 RL201C 803 808		0.022	0.018		0.08	
D2 RL201C 808 813		0.012			0.06	
D2 RL201C 813 818		0.024			0.46	
D2 RL201C 818 821.4		0.044			0.18	
D2 RL201C 821.4 826.5		0.040		0.16	0.19	
D2 RL201C 826.5 831		<0.002			<0.02	
D2 RL201C 831 834		0.007			<0.02	
D2 RL201C 834 838		<0.002			0.09	
D2 RL201C 838 843		0.011			0.16	
D2 RL201C 843 848.5		0.005	0.004		0.17	
D2 RL201C 848.5 854		0.012	0.006	0.16	0.16	
D2 RL201C 854 858		0.007			0.03	
D2 RL201C 858 863		0.007			0.09	
D2 RL201C 863 868		0.004			0.05	
D2 RL201C 868 873		<0.002			0.03	
D2 RL201C 873 877		0.073			0.09	
P4 BA 85		0.030			0.18	
D2 RL201C 877 881		0.006			0.06	

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT
RL201C 15 20		<0.002	<0.002		<0.02	<0.02
Duplicate		<0.002			<0.02	
RL201C 55 60		<0.002	<0.002		<0.02	<0.02
Prep Duplicate		<0.002			<0.02	
RL201C 65 70		<0.002	<0.002		<0.02	
Duplicate		<0.002				
RL201C 100 105		<0.002			<0.02	<0.02
Duplicate					<0.02	
RL201C 120 125		<0.002	0.002		<0.02	
Duplicate		<0.002				
RL201C 170 175		<0.002	<0.002		<0.02	
Duplicate		<0.002				
RL201C 190 195		0.003			0.08	0.08
Duplicate					0.08	
RL201C 220 225		<0.002	<0.002		0.06	
Duplicate		<0.002				
RL201C 230 235		0.007	0.010	0.005	0.11	0.08
Prep Duplicate		0.010	0.005		0.08	
RL201C 270 275		0.002	<0.002		0.07	
Duplicate		<0.002				
RL201C 275 280		<0.002			0.05	0.05
Duplicate					0.05	
RL201C 325 330		0.002	0.002		0.08	
Duplicate		0.002				
RL201C 365 370		<0.002			<0.02	<0.02
Duplicate					<0.02	
Prep Duplicate		0.010	0.005		0.08	
Duplicate		0.005				

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AG DUP OPT	Ag OPT	AU Dup OPT
RL201C 410 415		0.0244	0.012	0.11	0.12	<0.002
Duplicate		0.012			0.11	
RL201C 460 465		<0.002	<0.002	0.04	0.05	
Prep Duplicate		<0.002		0.06	0.04	
		<0.002				
BA 81		0.059		0.06	0.08	
Duplicate					0.06	
RL201C 515 520		<0.002	<0.002		<0.02	
Duplicate		<0.002				
RL201C 560 565		<0.002	<0.002		0.03	
Duplicate		<0.002				
Prep Duplicate		<0.002		0.06	0.04	
Duplicate					0.06	
RL210C 605.6 610		0.002	<0.002		0.12	
Duplicate		<0.002				
RL201C 620 625		<0.002	<0.002	0.07	0.06	
Prep Duplicate		<0.002			0.07	
RL201C 655 660		<0.002	<0.002		0.05	
Duplicate		<0.002				
RL201C 660 665		<0.002		0.38	0.40	
Duplicate					0.38	
RL201C 708 713		0.117	0.094		0.10	
Duplicate		0.094				
RL201C 748 753		0.009		0.06	0.07	
Duplicate					0.06	
RL201C 758.6 762		0.014	0.010		0.13	
Duplicate		0.010				
RL201C 803 808		0.022	0.018		0.08	
Duplicate		0.018				
RL201C 821.4 826.5		0.040		0.16	0.19	
Duplicate					0.16	

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AG DUP OPT	Ag OPT	AU Dup OPT
RL201C 843 848.5		0.005	0.004		0.17	
Prep Duplicate		0.004			0.16	
RL201C 848.5 854		0.012	0.006	0.16	0.16	
Duplicate		0.006				

Chemex Labs Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 West Glendale Ave., Suite 7, Sparks,
Nevada, U.S.A. 89431
PHONE: 702-356-5395

To: LAC MINERALS U.S.A. INC

1395 GREG ST., STE 207
SPARKS, NEVADA
89431

Project : ROSEBUD
Comments: ATTN: TIM KUHL

Page Number : 1
Total Pages : 2
Certificate Date: 22-AUG-91
Invoice No. : I9119755
P.O. Number :

CERTIFICATE OF ANALYSIS A9119755

SAMPLE DESCRIPTION	PREP CODE		Au oz/T
RL189 630-635	208	294	0.002
RL190 445-450	208	294	0.003
RL190 495-500	208	294	0.007
RL190 590-595	208	294	0.011
RL201C 45-50	208	294	0.001
RL201C 145-150	208	294	< 0.001
RL201C 195-200	208	294	0.003
RL201C 245-250	208	294	0.002
RL201C 295-300	208	294	0.001
RL201C 345-350	208	294	0.006
RL201C 445-450	208	294	0.003
RL201C 485-500	208	294	0.025
RL201C 545-550	208	294	0.001
RL201C 590-595	208	294	0.011
RL201C 640-645	208	294	0.003
RL201C 684-688	208	294	0.014
RL201C 733-738	208	294	0.005
RL201C 780-784	208	294	0.004
RL201C 826.5-831	208	294	0.003
RL201C 873-877	208	294	0.099
RL202C 573-578	208	294	0.004
RL202C 622-627	208	294	0.003
RL202C 664-669	208	294	0.004
RL202C 713-718	208	294	0.005
RL202C 763-768	208	294	0.002
RL211 500-505	208	294	0.002
RL211 550-555	208	294	< 0.001
RL212 045-050	208	294	0.002
RL212 095-100	208	294	0.001
RL212 145-150	208	294	0.003
RL212 195-200	208	294	0.003
RL212 245-250	208	294	0.002
RL212 295-300	208	294	0.002
RL212 345-350	208	294	0.003
RL212 395-400	208	294	0.004
RL212 445-450	208	294	0.004
RL212 495-500	208	294	0.003
RL212 545-550	208	294	0.006
RL212 595-600	208	294	0.045
RL212 645-650	208	294	0.012

CERTIFICATION: Vandia M Adam