60001437

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No. RL-219
AUTHOR	T. Kuhl; K. Kenner; R. Donato
DATE OF DOC(S)	1991
MULTI_DIST Y / (N?) Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Project; Far East; Lac Minerals (USA), Inc; Stevens Drilling; Bohdar-Clegg, Inc;
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 1000'; handwritten notes 23p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

	Initials	Date
SS:	DD	5/21/08
DB:	Mah	
SCANNED:		

Revised: 1/22/08

Drill Log
Rosebud

RL-219
FAR EAST

6000 1437 4010

60001437

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

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER RL 219 TOTAL DEPTH 1000 LOGGED BY RKS

Date started 10/5/91

Date completed 10/8/91

Initial bearing -

Initial inclination -90

Elevation

Collar coordinates:

N

E

Contractor: Stevens

Drill Type: RC

Hole Size: 5 1/4

Drilling Conditions: Bueno

Footage: Wet / Dry 0-185 dry

185-1000 wet

Comments: Dead Hole

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-219

Page 1 of 10

Start 10/5/91

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
									Brn Brn-org					Qal	<.002	<.02		
05									Wht Peach Yllw					Ct - (Blasted. Strg arg alt, Protolith cannot be determined)	<	<		
10																<		
15									Brn-org							.03		
20									lt Grey Flesh Yllw Brn-org							<		
25																		
30																		
35																		
40															.002	.03		
45															<	.02		
50														ox. Redox (Incr. FeOx)	.003 .002	.04 .04		
55													.5	sulf. (1st visible sulf.)	<	<		
60									lt Grey Flesh lt Gry-Grn				.5					
65													.5					
70																		
75														(trace oxidized)				
80																.02		
85														(very strg arg alt) (clump)		.04		
90															.007	.36		
95															.016	.41		
100															.003	.26		

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

DRILL HOLE RL-219

Page 2 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
									lt Grey Olive-Grn Flesh				.5	Ct - (Still Blasted)	.007	.24		
105									lt Grey Flesh						.014/.014	.29/.30		
110															.009	.26		
115														w/ Blck coating on Frax	.009	.22		
120													1	(damp)	.006	.19		
125													.5	(trace chlorite)	.014/.015	.30/.31		
130									lt Green lt Grey Flesh						.019	2.45		
135															.005	.49		
140															<	.12		
145									lt Grey Flesh						.003	.17		
150									lt. Grey lt. Olive-Grn Flesh						.003	.08		
155														(damp)	<.002	.05/.05		
160															<	.03		
165															<	<		
170															<	.02		
175															<	<		
180															<	.04		
185														Stop to weld double tier Jones on swing arm below cyclone ½ hr. (Going wet wet sampling)	<	.07		
190															.003	.10		
195									lt Grey wht Flesh					Stronger Bleach	<.004/<	.03		
200																		

LAC MINERALS (U.S.A.) INC.
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FINE-GRAINED TUFF
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P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE BL-219

Page 3 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
									lt Grey Flesh				.5	Ct - [Still looks Good]	<	.07		
205															< /<<	.12 /.12		
210														(w/ trace sulf vn & chlorite)	.003	1.06		
215															.006	.31		
220									lt Green						<	.08		
225									lt Green lt Grey Flesh							.04		
230									lt Grey-Grn Flesh							<		
235									lt Green lt Grey Flesh							<		
240															.007# /.024	.09		
245									Flesh lt Grey-Grn						<	.04		
250															<	.02		
255															< /.002	.10 /.10		
260															<	<		
265															<	.04		
270									lt. Green Flesh lt Grey-Grn					(Grad Incr. in dissem. sulf.)		.04		
275																.03		
280														(slightly stronger and incr. Bleaching)		.06		
285									lt Green Flesh					(Weak dissem sulf.)		.03		
290																<		
295																<		
300																		

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

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Ca CALCITE

DRILL HOLE RL-219

Page 4 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
		N							lt. Green lt Flesh-Grn				.5	Ct	<	<		
305		N													<	<		
310		N													.004/.003	.05/.03		
315		N													<	<		
320		N							lt Green lt Grey-Grn Flesh					(Grad incr Bleach) (trace calc vn)				
325		N																
330		N							lt Grey-Grn lt Grey Flesh									
335		N																
340		N																
345		N																
350		N																
355		N												(Slight incr. sulf.)				
360		N													<</<	<</<		
365		N												10/5 10/6	.012/<<	<		
370		N													<	.04		
375		N													<	<		
380		N													<	.06		
385		N													<	.05		
390		N													<	.05		
395		N													.003	.17		
400																		

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

DRILL HOLE RL-219

Page 5 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
									lt Grey wht Flesh lt Green				1	Ct - (w/ trace Dk Grey Qtz & mod Clear to milky Qtz)	.023	2.13		
405		X							Purp.				1		.016	2.27/2.56		
410		X							Purp Purp-red Brown				.5		<.1	.06/.05		
415														un-alt	<.1	<.1		
420															<.1	<.1		
425													.1		.003	<.1		
430															<.1	<.1		
435																		
440																		
445																		
450																		
455																		
460																		
465															<.1/<.1	<.1/<.1		
470															<.1	<.1		
475																		
480																		
485																		
490													.5					
495																		
500																		

fault? trace mos H_2O

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

FINE-GRAINED TUFF
LITHIC LAPILLI TUFF

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DRILL HOLE RL-219

Page 6 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS (Ran out of H_2O 2 hr water run)	Au	Ag	CHECK	% WASH RECOV
									Purp Purp-red Brn-red				.1	Ct - unalt.	<	<		
505									& lt Green				.5	v. wk. alt.	</<	.04/.06		
510																		
515													.5	wk. alt.	<	<		
may be sm structure ?									lt Grey flesh wht lt Green				1	Strg Incr. sulf. Strg alt → w/calc vn.		<		
520																		
525													1			.11		
530													.5	wk alt		.04		
535									Purp Purp-red Brn-red lt Green				.5	v.wk. alt		<		
540									Purp Purp-red Brn-red				0			<		
545																<		
550															.003	.34/.24/.23		
555															<	<		
560															<./<	<		
565															<	.03		
570																<		
575																<		
580														(trace calc vn)		.07		
585																<		
590																.03		
595																<		
600																<		

LAC MINERALS (U.S.A.) INC.
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DRILL HOLE RL-219

Page 7 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
									Brn-red purp-red purp				0	Ct - un-alt	<	<		
605									↓				.1		<	.03		
610									lt Grey Brn-red Flesh-org				.5	v.wk- alt (Increase Py and alt.)	<</<	.03/.04		
615									↓				.1	(v wk alt)	<	<		
620									↓				↓	(wk alt) H_2O ~ 8 gpm		<		
625		N							lt Grey Flesh Flesh-org				.5	(mod alt & Incr. Bleach)		.08		
630		N							↓				↓			.08		
635		N							↓				↓			.06		
640		N							↓				↓	10/6 10/7 (w/ minor chlorite) (water pump Break down 5:00 pm)		.06		
645									Brn-red Purp-red Purp				.1	un-alt.		<		
650									↓				0	↓		<		
655													↓			<		
660															<</<	<</<		
665															<</<	<</<		
670															<	<		
675																		
680																		
685													.1	(trace calc. vn) Increase H_2O Bucket test at the end of this rod (next page)				
690													.1					
695													.1					
700																		

5m fault?

slight incr H_2O

Quit Injection

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

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Page 8 of ____

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV
									Brn-red purp-red purp				.1	Ct - (w/ trace calc) [8 gpm]	<	<		
105																		
													.1	~~Fac~~	<	<		
110																		
														(w/ minor chlorite)	<./<	<./<		
115																		
															<	<		
120									lt Green Flesh-Org						.004	.10		
Injecting H_2O																		
125															<	.04		
130									lt Green Brn-red					(Slight incr. sulf.)		.06		
135									Brn-red lt Green							.04		
140																.03		
145									Brn-red Lav							.03		
150																		
155														(trace calc vn)		<		
														wk chlorite		<		
160									Brn-red Green						<./<	<./<		
sm fault?														strg chlorite				
165																		
170														wk chlorite	<	<		
									Brn-red lt Green lt Grey						<	<		
175									Red lt Grey					(strg Lies. banding)	<./<	<./<		
180																		
															<	<		
185		N													<./<	<		
190														(w/ minor Bx)				
		N													<	<		
195																		
		N													<	<		
200																		

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

FINE-GRAINED TUFF
LITHIC LAPILLI TUFF

ARGILLIC
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OX OXIDIZED
XXX DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-219

Page 9 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV.
									Brn-red red Lav				.1	Ct	<	<		
805															<	<		
810									Brn-red red Lav-Grey					Gradiner in Bleaching	<	<		
815														trace micro-Qtz vn	</<	</<		
820															<	<		
825																		
830																		
835																		
840																		
845																		
850																		
855																		
860																		
865																		
870														w/calc ; Bx	<</<	<</<		
frax 875													0		<	<		
880																		
885									Brn-red red lt red									
890									Red									
895																		
900																		

LAC MINERALS (U.S.A.) INC.
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DRILL HOLE RL 219

Page 10 of 10

LOGGED BY _____

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV.
									Brn-red red					Ct	<	<		
905															4/<	4/<		
910															<	<		
915															4/<	4/<		
920															4	<		
925																		
930																		
935																		
940																		
945														10/7 10/8				
950																		
955																		
960																		
965															4/<	4/<		
970															<	<		
975									Brn-Grey Brn-red									
980																		
985																		
990																		
995																		
1000																		

time minutes	H_2O test at TD	15	30	45	60
GPM	1	1	1	1	1

only 1 gpm

T.D. at 12:00 pm 10/8

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BC
BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

OCT 23 1991

REPORT: R91-12210.4 (COMPLETE)

REFERENCE INFO: RL219 0'-5' TO 495-500

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

SUBMITTED BY: WAGNER
DATE PRINTED: 22-OCT-91

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	105	0.002 OPT		Fire Assay
2	Au DUP Gold Duplicate	15	0.002 OPT		Fire Assay
3	AU Dup Gold Duplicate	2	0.002 OPT		Fire Assay
4	Ag Silver	105	0.02 OPT		Fire Assay
5	AG DUP AG DUPLICATE	13	0.02 OPT		Fire Assay
6	AG DUP AG DUPLICATE	1	0.020 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	100	2 -150	100	CRUSH,PULVERIZE -150	100
P PREPARED PULP	5	4 AS REC'D	5	AS RECEIVED, NO SP	5
				EXCESS WEINESS/SAMP	63
				OVERWEIGHT/LBS	144

NOTES: # indicates ERRATIC RESULTS

REMARKS: #ERRATIC RESULTS
K GAMMON

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

INVOICE TO: MR. TIM KUHL

Rickey L. Ontiveros

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 22-OCT-91

REPORT: R91-12210.4 (COMPLETE)

PROJECT: ROSEBUD

STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT	AG DUP OPT
PD SYN STD AU/AG		0.034	-	-	0.45	-	-
PD SYN STD AU/AG		0.036	-	-	0.44	-	-
Number of Analyses		2	-	-	2	-	-
Mean Value		0.0350	-	-	0.445	-	-
Standard Deviation		0.00141	-	-	0.0071	-	-
Accepted Value		0.040	-	-	0.40	-	-
ANALYTICAL BLANK		<0.002	-	-	<0.02	-	-
ANALYTICAL BLANK		<0.002	-	-	<0.02	-	-
ANALYTICAL BLANK		<0.002	-	-	<0.02	-	-
Number of Analyses		3	-	-	3	-	-
Mean Value		0.0010	-	-	0.010	-	-
Standard Deviation		0.00000	-	-	0.00000	-	-
Accepted Value		0.002	-	-	0.02	-	-
ASSAY STD		0.02	-	-	0.20	-	-
Number of Analyses		1	-	-	1	-	-
Mean Value		0.0120	-	-	0.200	-	-
Standard Deviation			-	-	-	-	-
Accepted Value		0.02	-	-	0.24	-	-

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R91-12211.4 (COMPLETE)

REFERENCE INFO: R12125 [illegible] 995-1000

OCT 29 1991

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

SUBMITTED BY: WAGNER
DATE PRINTED: 22-OCT-91

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	105	0.002 OPT		Fire Assay
2	Au DUP Gold Duplicate	14	0.002 OPT		Fire Assay
3	Ag Silver	105	0.02 OPT		Fire Assay
4	AG DUP AG DUPLICATE	15	0.02 OPT		Fire Assay
5	AG DUP AG DUPLICATE	1	0.02 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	100	2 -150	100	CRUSH,PULVERIZE -150	100
P PREPARED PULP	5	4 AS REC'D	5	AS RECEIVED, NO SP	5
				EXCESS WEIGHTS/SAMP	98
				OVERWEIGHT/LBS	423

NOTES: # indicates ERRATIC RESULTS

REMARKS: #ERRATIC RESULTS
K CAMMON

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

INVOICE TO: MR. TIM KUHI

Rickey L. Dunta

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 22-OCT-91

REPORT: R91-12211.4 (COMPLETE)

PROJECT: ROSEBUD

STANDARD NAME	ELEMENT UNITS	Au OPT	Au DUP OPT	Ag OPT	AG DUP OPT	AG DUP OPT
ANALYTICAL BLANK		<0.002	-	<0.02	-	-
ANALYTICAL BLANK		<0.002	-	<0.02	-	-
ANALYTICAL BLANK		<0.002	-	<0.02	-	-
Number of Analyses		3	-	3	-	-
Mean Value		0.0010	-	0.010	-	-
Standard Deviation		0.000000	-	0.0000	-	-
Accepted Value		0.002	-	0.02	-	-
PD SYN STD AU/AG		0.035	-	0.43	-	-
Number of Analyses		1	-	1	-	-
Mean Value		0.0350	-	0.430	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		0.040	-	0.40	-	-
ASSAY STD		0.012	-	0.26	-	-
ASSAY STD		0.012	-	0.38	-	-
Number of Analyses		2	-	2	-	-
Mean Value		0.0120	-	0.320	-	-
Standard Deviation		0.000000	-	0.0849	-	-
Accepted Value		0.012	-	0.24	-	-

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 22-OCT-91

REPORT: R91-12210.4 (COMPLETE)

PROJECT: ROSEBUD

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT	AG DUP OPT
Z2 RL219 0 5		<0.002	0.002		<0.02	0.02	
Z2 RL219 5 10		<0.002			<0.02		
Z2 RL219 10 15		<0.002			<0.02		
Z2 RL219 15 20		<0.002			0.03		
Z2 RL219 20 25		<0.002			<0.02		
Z2 RL219 25 30		<0.002			<0.02		
Z2 RL219 30 35		<0.002			<0.02		
Z2 RL219 35 40		<0.002			<0.02		
Z2 RL219 40 45		0.002			0.03		
Z2 RL219 45 50		<0.002			0.02		
Z2 RL219 50 55		0.003	0.002		0.04	0.04	
Z2 RL219 55 60		<0.002			<0.02		
Z2 RL219 60 65		<0.002			<0.02		
Z2 RL219 65 70		<0.002			<0.02		
Z2 RL219 70 75		<0.002			<0.02		
Z2 RL219 75 80		<0.002			0.02		
Z2 RL219 80 85		<0.002			0.04		
Z2 RL219 85 90		0.007			0.36		
Z2 RL219 90 95		0.016			0.41		
Z2 RL219 95 100		0.003			0.26		
F4 SA 233		0.047			0.38		
Z2 RL219 100 105		0.007			0.24		
Z2 RL219 105 110		0.014	0.014		0.29	0.30	
Z2 RL219 110 115		0.009			0.26		
Z2 RL219 115 120		0.009			0.22		
Z2 RL219 120 125		0.006			0.19		
Z2 RL219 125 130		0.016	0.015		0.30	0.31	
Z2 RL219 130 135		0.019			2.45		
Z2 RL219 135 140		0.005			0.49		
Z2 RL219 140 145		<0.002			0.12		
Z2 RL219 145 150		0.003			0.17		
Z2 RL219 150 155		0.003			0.08		
Z2 RL219 155 160		<0.002	0.002		0.05	0.05	
Z2 RL219 160 165		<0.002			0.03		
Z2 RL219 165 170		<0.002			<0.02		
Z2 RL219 170 175		<0.002			0.02		
Z2 RL219 175 180		<0.002			<0.02		
Z2 RL219 180 185		<0.002			0.04		
Z2 RL219 185 190		<0.002			0.07		
Z2 RL219 190 195		0.003			0.10		

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PROJECT: ROSEBUD

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT	AG DUP OPT
Z2 RL219 195 200		<0.002	<0.002		0.04	0.03	
P4 BA 234		~~0.054~~			~~0.09~~		
Z2 RL219 200 205		<0.002			0.07		
Z2 RL219 205 210		<0.002	<0.002		0.12	0.12	
Z2 RL219 210 215		0.003			1.06		
Z2 RL219 215 220		0.006			0.31		
Z2 RL219 220 225		<0.002			0.08		
Z2 RL219 225 230		<0.002			0.04		
Z2 RL219 230 235		<0.002			<0.02		
Z2 RL219 235 240		<0.002			<0.02		
Z2 RL219 240 245		0.0074	0.024		0.09		
Z2 RL219 245 250		<0.002			0.04		
Z2 RL219 250 255		<0.002			0.02		
Z2 RL219 255 260		<0.002	0.002		0.10	0.10	
Z2 RL219 260 265		<0.002			<0.02		
Z2 RL219 265 270		<0.002			0.04		
Z2 RL219 270 275		<0.002			0.04		
Z2 RL219 275 280		<0.002			0.03		
Z2 RL219 280 285		<0.002			0.06		
Z2 RL219 285 290		<0.002			0.03		
Z2 RL219 290 295		<0.002			<0.02		
Z2 RL219 295 300		<0.002			<0.02		
P4 BA 235		~~0.258~~			~~0.06~~		
Z2 RL219 300 305		<0.002			<0.02		
Z2 RL219 305 310		<0.002			<0.02		
Z2 RL219 310 315		0.004	0.003		0.05	0.05	
Z2 RL219 315 320		<0.002			<0.02		
Z2 RL219 320 325		<0.002			<0.02		
Z2 RL219 325 330		<0.002			<0.02		
Z2 RL219 330 335		<0.002			<0.02		
Z2 RL219 335 340		<0.002			<0.02		
Z2 RL219 340 345		<0.002			<0.02		
Z2 RL219 345 350		<0.002			<0.02		
Z2 RL219 350 355		<0.002			<0.02		
Z2 RL219 355 360		<0.002			<0.02		
Z2 RL219 360 365		<0.002	<0.002		<0.02	<0.02	
Z2 RL219 365 370		0.0124	<0.002	<0.002	<0.02		
Z2 RL219 370 375		<0.002			0.04		
Z2 RL219 375 380		<0.002			<0.02		
Z2 RL219 380 385		<0.002			0.06		

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT	AG DUP OPT
Z2 RL219 385 390		<0.002			0.05		
Z2 RL219 390 395		<0.002			0.05		
Z2 RL219 395 400		0.003			0.17		
P4 BA 236		~~0.021~~			~~0.15~~		
Z2 RL219 400 405		0.023			2.13		
Z2 RL219 405 410		0.016			2.274	2.56	
Z2 RL219 410 415		<0.002	<0.002		0.06	0.05	
Z2 RL219 415 420		<0.002			<0.02		
Z2 RL219 420 425		<0.002			<0.02		
Z2 RL219 425 430		0.003			<0.02		
Z2 RL219 430 435		<0.002			<0.02		
Z2 RL219 435 440		<0.002			<0.02		
Z2 RL219 440 445		<0.002			<0.02		
Z2 RL219 445 450		<0.002			<0.02		
Z2 RL219 450 455		<0.002			<0.02		
Z2 RL219 455 460		<0.002			<0.02		
Z2 RL219 460 465		<0.002	<0.002	<0.002	<0.02	<0.02	<0.020
Z2 RL219 465 470		<0.002			<0.02		
Z2 RL219 470 475		<0.002			<0.02		
Z2 RL219 475 480		<0.002			<0.02		
Z2 RL219 480 485		<0.002			<0.02		
Z2 RL219 485 490		<0.002			<0.02		
Z2 RL219 490 495		<0.002			<0.02		
Z2 RL219 495 500		<0.002			<0.02		
P4 BA 237		~~0.028~~	~~0.034~~		0.20		

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Z2 RL219 500 505		<0.002		<0.02		
Z2 RL219 505 510		<0.002	<0.002	0.04	0.06	
Z2 RL219 510 515		<0.002		<0.02		
Z2 RL219 515 520		<0.002		<0.02		
Z2 RL219 520 525		<0.002		0.11		
Z2 RL219 525 530		<0.002		0.04		
Z2 RL219 530 535		<0.002		<0.02		
Z2 RL219 535 540		<0.002		<0.02		
Z2 RL219 540 545		<0.002		<0.02		
Z2 RL219 545 550		0.003		0.34#	0.24	0.23
Z2 RL219 550 555		<0.002		0.12	0.10	
Z2 RL219 555 560		<0.002	<0.002	0.03	0.03	
Z2 RL219 560 565		<0.002		<0.02		
Z2 RL219 565 570		<0.002		<0.02		
Z2 RL219 570 575		<0.002		<0.02		
Z2 RL219 575 580		<0.002		<0.02		
Z2 RL219 580 585		<0.002		<0.02		
Z2 RL219 585 590		<0.002		0.03		
Z2 RL219 590 595		<0.002		<0.02		
Z2 RL219 595 600		<0.002		<0.02		
~~P4 BA 238~~		~~0.056~~		~~0.07~~		
Z2 RL219 600 605		<0.002		<0.02		
Z2 RL219 605 610		<0.002		0.03		
Z2 RL219 610 615		<0.002	<0.002	0.03	0.04	
Z2 RL219 615 620		<0.002		<0.02		
Z2 RL219 620 625		<0.002		<0.02		
Z2 RL219 625 630		<0.002		0.08		
Z2 RL219 630 635		<0.002		0.08		
Z2 RL219 635 640		<0.002		0.06		
Z2 RL219 640 645		<0.002		0.06		
Z2 RL219 645 650		<0.002		<0.02		
Z2 RL219 650 655		<0.002		<0.02		
Z2 RL219 655 660		<0.002		<0.02		
Z2 RL219 660 665		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 665 670		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 670 675		<0.002		<0.02		
Z2 RL219 675 680		<0.002		<0.02		
Z2 RL219 680 685		<0.002		<0.02		
Z2 RL219 685 690		<0.002		<0.02		
Z2 RL219 690 695		<0.002		<0.02		

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Z2 RL219 695 700		<0.002		<0.02		
~~P4 BA 239~~		~~0.049~~		~~0.09~~		
Z2 RL219 700 705		<0.002		<0.02		
Z2 RL219 705 710		<0.002		<0.02		
Z2 RL219 710 715		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 715 720		<0.002		<0.02		
Z2 RL219 720 725		0.004		0.10		
Z2 RL219 725 730		<0.002		0.04		
Z2 RL219 730 735		<0.002		0.06		
Z2 RL219 735 740		<0.002		0.04		
Z2 RL219 740 745		<0.002		0.03		
Z2 RL219 745 750		<0.002		0.03		
Z2 RL219 750 755		<0.002		<0.02		
Z2 RL219 755 760		<0.002		<0.02		
Z2 RL219 760 765		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 765 770		<0.002		<0.02		
Z2 RL219 770 775		<0.002		<0.02		
Z2 RL219 775 780		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 780 785		<0.002		<0.02		
Z2 RL219 785 790		<0.002	<0.002	<0.02		
Z2 RL219 790 795		<0.002		<0.02		
Z2 RL219 795 800		<0.002		<0.02		
P4 BA 240		~~0.045~~		~~0.06~~		
Z2 RL219 800 805		<0.002		<0.02		
Z2 RL219 805 810		<0.002		<0.02		
Z2 RL219 810 815		<0.002		<0.02		
Z2 RL219 815 820		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 820 825		<0.002		<0.02		
Z2 RL219 825 830		<0.002		<0.02		
Z2 RL219 830 835		<0.002		<0.02		
Z2 RL219 835 840		<0.002		<0.02		
Z2 RL219 840 845		<0.002		<0.02		
Z2 RL219 845 850		<0.002		<0.02		
Z2 RL219 850 855		<0.002		<0.02		
Z2 RL219 855 860		<0.002		<0.02		
Z2 RL219 860 865		<0.002		<0.02		
Z2 RL219 865 870		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 870 875		<0.002		<0.02		
Z2 RL219 875 880		<0.002		<0.02		
Z2 RL219 880 885		<0.002		<0.02		

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Z2 RL219 885 890		<0.002		<0.02		
Z2 RL219 890 895		<0.002		<0.02		
Z2 RL219 895 900		<0.002		<0.02		
P4 BA 241		~~0.045~~		~~0.06~~		
Z2 RL219 900 905		<0.002		<0.02		
Z2 RL219 905 910		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 910 915		<0.002		<0.02		
Z2 RL219 915 920		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 920 925		<0.002		<0.02		
Z2 RL219 925 930		<0.002		<0.02		
Z2 RL219 930 935		<0.002		<0.02		
Z2 RL219 935 940		<0.002		<0.02		
Z2 RL219 940 945		<0.002		<0.02		
Z2 RL219 945 950		<0.002		<0.02		
Z2 RL219 950 955		<0.002		<0.02		
Z2 RL219 955 960		<0.002		<0.02		
Z2 RL219 960 965		<0.002		<0.02		
Z2 RL219 965 970		<0.002	<0.002	<0.02	<0.02	
Z2 RL219 970 975		<0.002		<0.02		
Z2 RL219 975 980		<0.002		<0.02		
Z2 RL219 980 985		<0.002		<0.02		
Z2 RL219 985 990		<0.002		<0.02		
Z2 RL219 990 995		<0.002		<0.02		
Z2 RL219 995 1000		<0.002		<0.02		
P4 BA 242		0.030		0.22		

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Au DUP OPT	AU Dup OPT	Ag OPT	AG DUP OPT	AG DUP OPT
RL219 0 5		<0.002	0.002		<0.02	0.02	
Duplicate		0.002			0.02		
RL219 50 55		0.003	0.002		0.04	0.04	
Duplicate		0.002			0.04		
RL219 105 110		0.014	0.014		0.29	0.30	
Duplicate		0.014			0.30		
RL219 125 130		0.016	0.013		0.30	0.31	
Prep Duplicate		0.013			0.31		
RL219 155 160		<0.002	0.002		0.05	0.05	
Duplicate		0.002			0.05		
RL219 195 200		<0.002	<0.002		0.04	0.03	
Prep Duplicate		<0.002			0.03		
RL219 205 210		<0.002	<0.002		0.12	0.12	
Duplicate		<0.002			0.12		
RL219 255 260		<0.002	0.002		0.10	0.10	
Duplicate		0.002			0.10		
RL219 310 315		0.004	0.003		0.05	0.03	
Duplicate		0.003			0.03		
RL219 360 365		<0.002	<0.002		<0.02	<0.02	
Duplicate		<0.002			<0.02		
RL219 410 415		<0.002	<0.002		0.06	0.05	
Duplicate		<0.002			0.05		
RL219 460 465		<0.002	<0.002	<0.002	<0.02	<0.02	<0.020
Duplicate		<0.002			<0.02		
Prep Duplicate		<0.002			<0.02		

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RL219 505 510		<0.002	<0.002	0.04	0.06	
Duplicate		<0.002		0.06		
RL219 555 560		<0.002	<0.002	0.03	0.03	
Duplicate		<0.002		0.03		
RL219 610 615		<0.002	<0.002	0.03	0.04	
Duplicate		<0.002		0.04		
RL219 660 665		<0.002	<0.002	<0.02	<0.02	
Duplicate		<0.002		<0.02		
RL219 665 670		<0.002	<0.002	<0.02	<0.02	
Prep Duplicate		<0.002		<0.02		
RL219 710 715		<0.002	<0.002	<0.02	<0.02	
Duplicate		<0.002		<0.02		
RL219 760 765		<0.002	<0.002	<0.02	<0.02	
Duplicate		<0.002		<0.02		
RL219 775 780		<0.002	<0.002	<0.02	<0.02	
Prep Duplicate		<0.002		<0.02		
RL219 815 820		<0.002	<0.002	<0.02	<0.02	
Duplicate		<0.002		<0.02		
RL219 865 870		<0.002	<0.002	<0.02	<0.02	
Duplicate		<0.002		<0.02		
RL219 905 910		<0.002	<0.002	<0.02	<0.02	
Prep Duplicate		<0.002		<0.02		
RL219 915 920		<0.002	<0.002	<0.02	<0.02	
Duplicate		<0.002		<0.02		
RL219 965 970		<0.002	<0.002	<0.02	<0.02	
Duplicate		0.003		<0.02		