

# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: PLACER DOME INC.

323 ALEXANDER ST.  
VANCOUVER, B.C.  
V6A 1C4

862389

A9017226

Comments: ATTN: BOB MOWER

CERTIFICATE

A9017226

PLACER DOME INC.

Project: P0342  
P.O. #:

V235 CARM1  
R. PEASE

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 9-JUL-90.

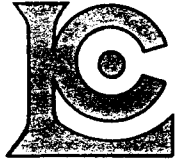
## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	31	Received sample as pulp
288	31	NAA encapsulation/irradiation

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
150	31	Th ppm: Trace rock, soil	NAA	1.0	10000
152	31	U ppm: Trace rock, soil	NAA	0.2	10000





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Page Number : 1  
Total Pages : 1  
Invoice Date: 09-JUL-90  
Invoice No. : I-9017226  
P.O. Number :

## CERTIFICATE OF ANALYSIS

A9017226

SAMPLE DESCRIPTION	PREP CODE	Th NAA ppm	U NAA ppm								
54567	214 288	8.0	6.4								
54568	214 288	9.0	9.6								
54569	214 288	5.0	29.0								
54570	214 288	12.0	12.6								
54571	214 288	9.0	28.2								
54572	214 288	6.0	8.0								
54573	214 288	8.0	12.8								
54574	214 288	8.0	9.8								
54575	214 288	15.0	3.6								
54576	214 288	6.0	4.6								
54577	214 288	7.0	27.4								
54578	214 288	4.0	3.0								
54579	214 288	16.0	7.0								
54580	214 288	19.0	14.6								
54581	214 288	18.0	9.8								
54582	214 288	13.0	6.6								
54583	214 288	15.0	5.2								
54584	214 288	13.0	5.8								
54585	214 288	14.0	5.8								
54586	214 288	13.0	5.6								
54587	214 288	13.0	5.4								
54588	214 288	16.0	4.8								
54589	214 288	17.0	5.6								
54590	214 288	17.0	4.8								
54591	214 288	16.0	5.0								
54592	214 288	14.0	5.4								
54593	214 288	16.0	3.4								
54594	214 288	15.0	4.4								
54595	214 288	17.0	5.8								
54596	214 288	17.0	5.4								
54597	214 288	17.0	5.2								

CERTIFICATION:

GEOCHEMICAL DATA LISTING: V235 CARM

PDI lab data file: P0342  
AREA: CARM  
MAPSHEET NO: 82E11  
VENTURE: V235  
GEOLOGIST: R PEASE  
LAB PROJECT NO: 0342

PLEASE DISTRIBUTE RESULTS TO: R PEASE  
B. HODGSON M. GAREAU E. KIMURA E. GONZALEZ-URIEN

REMARKS:  
"RESULTS FOR MOS2 FROM ASSAY LAB IN %; CU AG AU1 RESULTS FROM"  
"GEOCHEM LAB; U TH RESULTS FROM CHEMEX LABS"

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:  
ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW  
ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.  
SAMPLE NUMBERS FOLLOWED BY \* ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK	USED	TIME	RANGE	METHOD
AG	PPM	0.5	HClO4/HNO3		4HRS	0.2-20	A.A. BACKGROUND COR
AU1	PPB	10.0	AQUA REGIA		3HRS	5-4000	A.A. SOLVENT EXTRACT.
CU	PPM	0.5	HClO4/HNO3		4HRS	2-4000	ATOMIC ABSORPTION
U	PPM	0.25	DIL HNO3		2HRS	1.0-1000	FLUORIMETRY SOLV. EX.



## PDI GEOCHEM SYSTEM: Data From: V235 CARMI

GRID	SAMPLE	PROJECT	Ag PPM	Au1 PPB	Cu PPM	MoS2 %	Th PPM	U PPM
82E11		54567 0342	0.6	<5	210	0.003	8.0	6.4
82E11		54568 0342	0.3	<5	81	0.009	9.0	9.6
82E11		54569 0342	0.7	<5	277	0.153	5.0	29.0
82E11		54570 0342	0.7	<5	246	0.043	12.0	12.6
82E11		54571 0342	0.9	<5	363	0.058	9.0	28.2
82E11		54572 0342	0.7	<5	234	0.039	6.0	8.0
82E11		54573 0342	0.7	<5	251	0.042	8.0	12.8
82E11		54574 0342	<0.2	<5	20	0.048	8.0	9.8
82E11		54575 0342	0.2	<5	42	0.014	15.0	3.6
82E11		54575* 0342	0.2		42			
82E11		54576 0342	0.3	<5	64	0.008	6.0	4.6
82E11		54577 0342	<0.2	<5	7	0.068	7.0	27.4
82E11		54578 0342	<0.2	<5	40	0.005	4.0	3.0
82E11		54579 0342	<0.2	<5	5	0.013	16.0	7.0
82E11		54580 0342	<0.2	<5	5	0.013	19.0	14.6
82E11		54581 0342	<0.2	<5	4	0.007	18.0	9.8
82E11		54582 0342	<0.2	<5	8	0.005	13.0	6.6
82E11		54583 0342	<0.2	<5	4	0.004	15.0	5.2
82E11		54584 0342	<0.2	<5	4	0.014	13.0	5.8
82E11		54584* 0342	<0.2	<5	3			
82E11		54585 0342	<0.2	<5	14	0.010	14.0	5.8
82E11		54586 0342	<0.2	<5	10	0.009	13.0	5.6
82E11		54587 0342	<0.2	<5	6	0.008	13.0	5.4
82E11		54588 0342	<0.2	<5	4	0.005	16.0	4.8
82E11		54589 0342	<0.2	<5	4	0.003	17.0	5.6
82E11		54590 0342	<0.2	<5	3	0.005	17.0	4.8
82E11		54591 0342	<0.2	<5	4	0.007	16.0	5.0
82E11		54592 0342	<0.2	<5	6	0.007	14.0	5.4
82E11		54593 0342	<0.2	<5	5	0.003	16.0	3.4
82E11		54593* 0342	<0.2	<5	5			
82E11		54594 0342	<0.2	<5	7	0.002	15.0	4.4
82E11		54595 0342	<0.2	<5	7	0.005	17.0	5.8
82E11		54596 0342	<0.2	<5	14	0.006	17.0	5.4
82E11		54597 0342	<0.2	<5	9	0.006	17.0	5.2
82E11		54597* 0342	<0.2	<5	11			
test	STD AU7	0342		300				

END OF LISTING - 36 RECORDS PRINTED Run on: 90:07:12 at 13:32:58

PLACER DOME INC: GEOCHEM ASSAY SYSTEM

Following elements needed some values adjusted:

ELEMENT	NSS	LOW	HI	%	BLNK	NVAL
AG	0	22	0	0	0	31
AU1	0	31	0	0	0	31

5 records skipped: tests, duplicate analyses

SUMMARY OF GEOCHEM DATA: V235 CARM1

ITEM	# VALUES	MISSING	MINIMUM	MAXIMUM	AVERAGE	STD. DEV.
GRID	31	0	82E11	82E11		
SAMP	0	31				
PROJ	31	0	0342	0342		
AG	31	0	0.10	0.90	0.24	0.25
AU1	31	0	2.50	2.50	2.50	0.00
CU	31	0	3.00	363.00	63.16	103.71
MOS2	31	0	0.00	0.15	0.02	0.03
TH	31	0	4.00	19.00	12.68	4.38
U	31	0	3.00	29.00	8.73	7.05

END OF SCAN: DATE: 90:07:12 time: 13:32:58 31 RECORDS PROCESSED