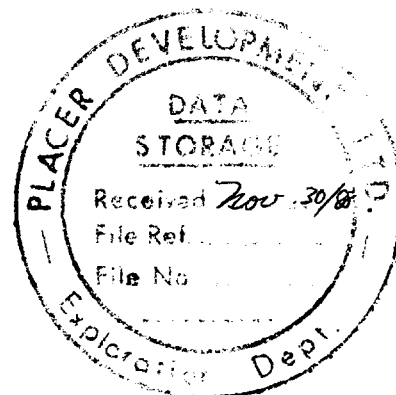


PLACER DOME INC (VANCOUVER LABORATORY)

GEOCHEMICAL DATA LISTING: NOBLE 188 CLEARWATER

DATE: 88:11:25

PDL lab data file: P8429
 AREA: CLEARWATER
 MAPSHEET NO: 82M12W
 VENTURE: NOBLE 188
 GEOLOGIST: L WARNER
 LAB PROJECT NO: 8429



PLEASE DISTRIBUTE RESULTS TO: LW BB LAB

REMARKS:
 "AU1 RESULTS REPORTED IN PPB"

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
MO	PPM	0.5	HCLO4/HNO3		4HRS	1-1000	ATOMIC ABSORPTION
CU	PPM	0.5	HCLO4/HNO3		4HRS	2-4000	ATOMIC ABSORPTION
ZN	PPM	0.5	HCLO4/HNO3		4HRS	2-3000	ATOMIC ABSORPTION
PB	PPM	0.5	HCLO4/HNO3		4HRS	2-3000	A.A. BACKGROUND COR.
CD	PPM	0.5	HCLO4/HNO3		4HRS	0.2-200	A.A. BACKGROUND COR.
NI	PPM	0.5	HCLO4/HNO3		4HRS	2-2000	ATOMIC ABSORPTION
CO	PPM	0.5	HCLO4/HNO3		4HRS	2-2000	ATOMIC ABSORPTION
AG	PPM	0.5	HCLO4/HNO3		4HRS	0.2-20	A.A. BACKGROUND COR
AU	PPM	10.0	AQUA REGIA		3HRS	0.01-4.00	A.A. SOLVENT EXTRACT.
AU1	PPB	10.0	AQUA REGIA		3HRS	5-4000	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL HNO3		2HRS	1.0-1000	FLOURIMETRY SOLV. EX.
V	PPM	0.5	HF/HCLO4/HNO3/HCL		6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	0.5	HCLO4/H3PO4		2HRS	2-1000	DC PLASMA
F	PPM	0.25	NA2CO3/KNO3	FUSION	30MIN	40-4000	SPECIFIC ION ELECTRODE
AS	PPM	0.5	AQUA REGIA		3HRS	2-2000	DC PLASMA
SB	PPM	0.5	HCL/HNO3		3HRS	2-2000	DC PLASMA
BI	PPM	0.5	HCLO4/HNO3		4HRS	2-2000	A.A. BACKGROUND COR.
MN	PPM	0.5	HCLO4/HNO3		4HRS	2-2000	ATOMIC ABSORPTION
FE	%	0.5	HF/HCLO4/HNO3/HCL		6HRS	0.02-20%	DC PLASMA
HG	PPB	0.25	DIL HNO3/HCL		2HRS	5-2000PPB	A.A. COLD VAPOR GEN.
BA	%	0.25	HF/HI/OXALIC		4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	HF/HCLO4/HNO3/HCL		6HRS	0.2 -20%	DC PLASMA
K	%	0.5	HF/HCLO4/HNO3/HCL		6HRS	0.2 -20%	DC PLASMA
CA	%	0.5	HF/HCLO4/HNO3/HCL		6HRS	0.02-20%	DC PLASMA
SR	PPM	0.5	HF/HCLO4/HNO3/HCL		6HRS	10-2000	DC PLASMA
MG	%	0.5	HF/HCLO4/HNO3/HCL		6HRS	0.2-20%	DC PLASMA
SN	PPM	1.0	NH4I	FUSION	15MIN	5-500	A.A. SOLVENT EXTRACT.
PT	PPB	25.0	FIRE ASSAY		45MIN	DL 10PPB	DC PLASMA
PD	PPB	25.0	FIRE ASSAY		45MIN	DL 5PPB	DC PLASMA
LOI	%	1.0	ASH 600	DEG C	2HRS	0.02-99%	WEIGH RESIDUE

GRID	SAMPLE	PROJECT	CU	ZN	PB	AG	AU1
82M12W		33915 8429	61	76	11	0.2	<5
82M12W		33916 8429	143	185	25	0.3	<5
82M12W		33917 8429	52	81	37	0.2	<5
82M12W		33918 8429	70	92	26	0.2	<5
82M12W		33919 8429	44	118	30	0.2	<5
82M12W		33920 8429	33	192	31	0.3	<5
82M12W		33921 8429	66	193	83	0.5	<5
82M12W		33922 8429	14	62	0.43%	22	<5
82M12W		33923 8429	28	46	46	0.4	10
82M12W		33923* 8429	30	45	45	0.4	15
82M12W		33924 8429	2	87	165	0.6	<5
82M12W		33925 8429	8	55	67	0.3	<5
82M12W		33926 8429	87	126	540	0.5	<5
82M12W		33927 8429	62	256	57	0.4	<5
82M12W		33928 8429	8	148	96	0.4	<5
82M12W		33929 8429	17	180	86	0.6	<5
82M12W		33930 8429	54	1020	400	1.0	<5
82M12W		33931 8429	55	310	26	0.2	<5
82M12W		33932 8429	156	93	54	0.2	<5
test	STD P	8429	125	100	100	1.8	
82M12W		33933 8429	40	214	12	0.3	<5
82M12W		33934 8429	22	67	16	0.2	<5
82M12W		33935 8429	*38	0.78%	55	0.8	<5
82M12W		33936 8429	21	224	76	0.4	<5
82M12W		33937 8429	42	200	30	0.2	<5
82M12W		33938 8429	22	620	244	1.4	<5
82M12W		33939 8429	19	500	216	2.0	15
82M12W		33940 8429	58	75	23	0.3	20
82M12W		33941 8429	11	28	11	0.2	<5
82M12W		33941* 8429	10	26	10	0.2	<5
82M12W		33942 8429	14	21	20	<0.2	<5
82M12W		33943 8429	17	30	11	0.2	<5
82M12W		33944 8429	26	57	10	<0.2	<5
82M12W		33945 8429	77	67	10	<0.2	<5
82M12W		33946 8429	70	48	10	<0.2	<5
82M12W		33947 8429	175	300	35	0.4	<5
82M12W		33948 8429	12	44	13	<0.2	<5
82M12W		33949 8429	12	26	10	0.2	<5
82M12W		33950 8429	24	42	24	<0.2	<5
82M12W		33950* 8429	23	40	24	<0.2	<5
test	STD PB-ZN	8429		0.56%	0.86%		
test	STD AU1	8429					485

END OF LISTING - 42 RECORDS PRINTED
GCLIST RUN AT: 12:44:22

PLACER DEVELOPMENT LIMITED: GEOCHEM ASSAY SYSTEM

Following elements needed some values adjusted:

ELEMENT	NSS	LOW	HI	%	BLNK	NVAL
ZN	0	0	0	1	0	36
PB	0	0	0	1	0	36
AG	0	6	0	0	0	36
AU1	0	33	0	0	0	36

6 records skipped: tests, duplicate analyses

SUMMARY OF GEOCHEM DATA: NOBLE 188 CLEARWATER

ITEM	# VALUES	MISSING	MINIMUM	MAXIMUM	AVERAGE	STD. DEV.
GRID	36	0	82M12W	82M12W		
SAMP	0	36				
PROJ	36	0	8429	8429		
AG	36	0	0.10	22.00	0.99	3.62
AU1	36	0	2.50	20.00	3.54	3.70
CU	36	0	2.00	175.00	46.11	41.14
PB	36	0	10.00	4300.00	191.83	713.25
ZN	36	0	21.00	7800.00	380.08	1286.93

END OF GCHSCAN: DATE: 88:11:25 time: 12:44:22 36 RECORDS PROCESSED