



<b>Au Legend</b>	<b>gr/ton</b>	<b>gr/ton</b>
Anomaly	0.1	0.1999
Low grade	0.2	0.3999
Moderated grade	0.4	0.999
High grade	>1	

Blank	
Standar	STD-SF85 (0.8 gr/ton Au) and STD-OxF142 (0.8 gr/ton Au)
Field Duplicate	

<b>Ag Legend</b>	<b>gr/ton</b>	<b>gr/ton</b>
Anomaly	40	59.999
Low grade	60	99.999
Moderated grade	100	199.999
High grade	>200	

<b>Cu Legend</b>	<b>%</b>	<b>%</b>
Anomaly	0.09	0.0999
Low grade	0.1	0.1999
Moderated grade	0.2	0.999
High grade	>1	

<b>Pb Legend</b>	<b>%</b>	<b>%</b>
Anomaly	0.1	0.1999
Low grade	0.2	0.3999
Moderated grade	0.4	0.999
High grade	>1	

<b>Zn Legend</b>	<b>%</b>	<b>%</b>
Anomaly	0.1	0.1999
Low grade	0.2	0.3999
Moderated grade	0.4	0.999
High grade	>1	



El Sombrero	240892	Channel	0.50	386824	3419679	584	WGS 84	12	White quartz-filled structure with a medium content of Fe oxide. It is located to SE of 240891's and apparently hosted in the contact of sandstone and shale.	HE22075226	<0.005	<0.2	0.0001	0.0003	0.0003	13	<-2	<-1	20	4	0.04	<-10	<-0.5	<-2	0.07	<-0.5	<-1	15	0.63	<-10	0.01	<-10	0.01	144	<-1	<-0.01	1	250	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.01
El Sombrero	240893	Channel	0.50	386836	3419673	579	WGS 84	12	Set of white quartz-filled veinlets (120°/573°W/13cm) hosted in the light gray sandstone of medium content of Fe oxide.	HE22075226	0.005	<-0.2	0.0004	0.0012	0.0017	7	<-2	<-1	40	7	0.29	<-10	<-0.5	<-2	0.04	<-0.5	2	8	0.96	<-10	0.03	10	0.04	244	<-1	0.06	2	30	<-0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	0.01
El Sombrero	240894	Channel	1.20	386796	3419713	593	WGS 84	12	Two quartz veins (125°/585°W/40-60cm/1.3) with a medium content of Fe sulphides and oxides. This is hosted in a light gray, medium grained sandstone of moderate sericitic/silicification and is sandwiched by moderately foliated shales. Sample collected from an old, shallow ditch.	HE22075226	0.016	<-0.2	0.0003	0.0004	0.0012	11	<-2	<-1	110	6	0.13	<-10	<-0.5	<-2	0.03	<-0.5	1	11	0.99	<-10	0.05	<-10	0.01	650	<-1	0.01	1	40	<-0.01	<-1	<-20	<-0.01	<-10	<-10	7	<-10	0.01
El Sombrero	240895	Channel	1.00	386797	3419711	593	WGS 84	12	White quartz veins (125°/585°W/45cm/0.9m) with a medium content of Fe sulphides and oxides and some veinlets. This is hosted in a light gray, medium grained sandstone of moderate sericitic/silicification and is sandwiched by moderately foliated shales. Sample collected from an old, shallow ditch.	HE22075226	<0.005	<-0.2	0.0003	0.0004	0.0008	5	<-2	<-1	150	9	0.18	<-10	<-0.5	<-2	0.06	<-0.5	2	12	1.08	<-10	0.08	10	0.02	944	<-1	0.01	2	40	<-0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	<-0.01
El Sombrero	240896	Channel	1.50	386780	3419720	583	WGS 84	12	Possible NW-oriented trace of white quartz-filled structure, which contains a medium to high content of Fe oxides. It is hosted in a medium-grained sandstone.	HE22075226	0.243	<-0.2	0.0008	0.0016	0.002	16	<-2	<-1	20	2	0.02	<-10	<-0.5	<-2	0.03	<-0.5	2	16	0.79	<-10	0.01	<-10	0.01	100	<-1	<-0.01	2	50	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.02
El Sombrero	240897	Channel	1.00	386738	3419763	584	WGS 84	12	Possible NW-oriented trace (?) of white quartz-filled structure, which contains a high content of Fe oxides. It is hosted in a medium-grained sandstone.	HE22075226	0.007	<-0.2	0.0005	0.0013	0.001	16	<-2	<-1	20	4	0.06	<-10	<-0.5	<-2	0.02	<-0.5	1	12	0.99	<-10	0.02	<-10	0.01	118	1	<-0.01	<-1	70	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.05
El Sombrero	240898	Channel	0.60	386731	3419755	581	WGS 84	12	White quartz vein (124°/577°W/23cm) with down-side veinlets and a low to medium content of Fe oxides. It is hosted in a moderate sericitic/silicification, light gray medium-grained sandstone.	HE22075226	<0.005	<-0.2	0.0008	0.0006	0.0024	18	<-2	<-1	110	8	0.1	<-10	<-0.5	<-2	0.1	<-0.5	2	12	0.94	<-10	0.02	10	0.03	442	3	0.04	2	170	<-0.01	1	<-20	<-0.01	<-10	<-10	2	<-10	<-0.01
El Sombrero	240899	Channel	0.80	386730	3419752	583	WGS 84	12	White quartz vein (297°/N68°E/13cm) and up-side veinlets and a low to medium content of Fe oxides. It is hosted in a moderate sericitic/silicification, light gray medium-grained sandstone.	HE22075226	0.012	<-0.2	0.0006	0.0008	0.0018	22	<-2	<-1	140	13	0.15	<-10	<-0.5	<-2	0.2	<-0.5	2	12	0.91	<-10	0.03	10	0.04	411	2	0.06	1	190	0.01	1	<-20	<-0.01	<-10	<-10	2	<-10	0.01
El Sombrero	240901	Channel	1.40	386727	3419752	579	WGS 84	12	Two white - clear gray quartz veins (248°/N76°E/31cm) and a low density of down-side veinlets. High content of Fe oxides filling in fractures and edges. It is hosted in a moderate sericitic/silicification, light gray medium-grained sandstone.	HE22075226	<0.005	<-0.2	0.0006	0.0009	0.0017	15	<-2	<-1	70	7	0.15	<-10	<-0.5	<-2	0.05	<-0.5	1	11	0.92	<-10	0.02	10	0.03	177	10	0.04	1	160	<-0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240902	Channel	0.60	386726	3419755	579	WGS 84	12	Extension of 240998's structure (<23cm) with a low density of veinlets at down-side and a low content of Fe oxides. It is hosted in a moderate sericitic/silicification, light gray medium-grained sandstone.	HE22075226	0.007	<-0.2	0.0005	0.0005	0.0015	19	<-2	<-1	30	4	0.08	<-10	<-0.5	<-2	0.03	<-0.5	4	13	0.52	<-10	0.02	<-10	0.01	86	2	0.02	2	60	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.01
El Sombrero	240903	Channel	0.80	386725	3419757	579	WGS 84	12	Extension of 240899's structure (280°/N78°E/7cm) with a medium density of veinlets and a low content of Fe oxides. It is hosted in a moderate sericitic/silicification, light gray medium-grained sandstone.	HE22075226	0.013	<-0.2	0.0009	0.0009	0.0014	23	<-2	<-1	60	9	0.18	<-10	<-0.5	<-2	0.04	<-0.5	2	9	1.11	<-10	0.03	10	0.03	193	4	0.04	1	200	0.01	1	<-20	<-0.01	<-10	<-10	2	<-10	0.01
El Sombrero	240904	Channel	1.00	386708	3419753	573	WGS 84	12	Possible starting point of white quartz-filled structure (132°/552°W) hosted in a dark gray, fine-grained sandstone, which is sandwiched by shale horizons.	HE22075226	0.009	5.2	0.0004	0.121	0.0013	14	<-2	<-1	10	2	0.03	<-10	<-0.5	9	0.03	<-0.5	2	13	0.65	<-10	0.01	<-10	0.01	102	<-1	<-0.01	1	30	0.02	<-1	<-20	<-0.01	<-10	<-10	1	<-10	1.08
El Sombrero	240905	Channel	1.70	386701	3419771	581	WGS 84	12	Possible NW-bound extension of white quartz-filled structure, which is hosted in the contact of sandstone and shale, some parts are within in their foliation planes.	HE22075226	<0.005	<-0.2	0.0006	0.002	0.0006	13	<-2	<-1	20	1	0.02	<-10	<-0.5	<-2	0.02	<-0.5	1	13	0.64	<-10	0.01	<-10	0.01	105	1	<-0.01	<-1	50	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.02
El Sombrero	240906	Channel	0.80	386690	3419769	580	WGS 84	12	Set of white quartz veinlets (335°/N64°E/5cm and 266°/N60°W) hosted in a light gray, coarse-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	<-0.2	0.0003	0.0006	0.0009	8	<-2	<-1	90	9	0.12	<-10	<-0.5	<-2	0.06	<-0.5	2	10	0.59	<-10	0.02	<-10	0.03	627	<-1	0.03	1	110	<-0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240907	Channel	0.50	386679	3419780	579	WGS 84	12	White quartz vein (167°/581°E/25cm) with a medium content of Fe oxides. It is hosted in a coarse-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	<-0.2	0.0006	0.0007	0.0017	7	<-2	<-1	50	5	0.22	<-10	<-0.5	<-2	0.04	<-0.5	2	12	0.93	<-10	0.03	10	0.04	326	<-1	0.02	1	110	<-0.01	1	<-20	0.01	<-10	<-10	4	<-10	0.02
El Sombrero	240908	Channel	0.60	386585	3419856	592	WGS 84	12	Possible NW-bound alignment of 3 transparent white quartz veinlets (332°/N79°E/3-4cm) hosted in a medium-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	<-0.2	0.0002	0.0006	0.0015	3	<-2	<-1	120	13	0.22	<-10	<-0.5	<-2	0.16	<-0.5	1	10	0.69	<-10	0.02	10	0.08	266	<-1	0.04	1	160	0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240909	Channel	0.50	386595	3419871	593	WGS 84	12	White quartz vein (139°/S64°E/13cm) with a low content of Fe oxides. It is hosted in a light gray, medium/coarse-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	<-0.2	0.0008	0.0007	0.003	27	<-2	<-1	100	8	0.27	<-10	<-0.5	<-2	0.08	<-0.5	4	10	1.47	<-10	0.09	10	0.06	368	1	0.02	3	230	<-0.01	1	<-20	0.01	<-10	<-10	6	<-10	<-0.01
El Sombrero	240910	Channel	0.70	386577	3419875	596	WGS 84	12	Two white quartz veins (302°/N81°E/17cm) with a low content of Fe oxides and hosted in a medium-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	0.2	0.0008	0.0027	0.002	11	<-2	<-1	130	34	0.13	<-10	<-0.5	<-2	0.75	<-0.5	3	10	0.81	<-10	0.02	10	0.04	679	1	0.02	3	160	0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	0.03
El Sombrero	240911	Channel	0.50	386585	3419892	596	WGS 84	12	Set of white quartz veins (154°/569°W/7cm) with a low content of Fe oxides and hosted in a medium-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	0.2	0.0003	0.0009	0.0025	16	<-2	<-1	90	12	0.28	<-10	<-0.5	<-2	0.06	<-0.5	2	7	1.04	<-10	0.09	10	0.04	255	1	0.01	3	490	<-0.01	<-1	<-20	<-0.01	<-10	<-10	4	<-10	0.02
El Sombrero	240912	Channel	1.00	386565	3419931	608	WGS 84	12	Possible NW-bound alignment of undefined white quartz structure surely hosted in a medium-grained sandstone of moderate silicification/sericite. Selective sample collected from the milky quartz chip path.	HE22075226	<0.005	<-0.2	0.0002	0.0005	0.0012	6	<-2	<-1	60	9	0.04	<-10	<-0.5	<-2	0.13	<-0.5	1	22	0.84	<-10	0.01	<-10	0.01	462	1	<-0.01	1	140	<-0.01	1	<-20	<-0.01	<-10	<-10	9	<-10	0.01
El Sombrero	240913	Channel	1.00	386550	3419978	621	WGS 84	12	Possible NW-bound alignment of undefined white quartz structure surely hosted in a medium-grained sandstone of moderate silicification/sericite. Selective sample collected from the milky quartz chip path.	HE22075226	<0.005	<-0.2	0.0007	0.0003	0.0007	5	<-2	<-1	60	15	0.05	<-10	<-0.5	<-2	0.39	<-0.5	1	22	0.7	<-10	0.02	<-10	0.02	464	1	<-0.01	1	220	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240914	Channel	0.50	386568	3419989	624	WGS 84	12	White quartz vein (291°/N72°E/13cm) with a low content of Fe oxides and hosted in a moderate sericitic/silicification, fine-grained sandstone.	HE22075226	<0.005	<-0.2	0.0006	0.0006	0.0015	25	<-2	<-1	60	6	0.2	<-10	<-0.5	<-2	0.11	<-0.5	3	12	0.67	<-10	0.1	10	0.02	273	<-1	0.02	3	250	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.01
El Sombrero	240915	Channel	0.50	386569	3419991	624	WGS 84	12	White quartz vein (292°/N74°E/13cm) with a low content of Fe oxides and hosted in a moderate sericitic/silicification, fine-grained sandstone.	HE22075226	<0.005	0.2	0.0005	0.0008	0.0028	16	<-2	<-1	80	16	0.19	<-10	<-0.5	<-2	0.45	<-0.5	3	9	1.1	<-10	0.1	10	0.03	733	1	0.02	2	370	<-0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240916	Channel	0.50	386569	3419992	624	WGS 84	12	White quartz vein (202°/N63°E/16cm) with a low content of Fe oxides and hosted in a moderate sericitic/silicification, fine-grained sandstone.	HE22075226	<0.005	<-0.2	0.0003	0.0008	0.0018	21	<-2	<-1	40	7	0.16	<-10	<-0.5	<-2	0.1	<-0.5	2	20	0.85	<-10	0.07	10	0.01	275	<-1	0.02	2	250	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240917	Channel	1.30	386566	3420005	629	WGS 84	12	Set of light gray - white quartz veinlets (340°/N60°-74°E/5cm) with a medium content of Fe oxides and hosted in a light gray, medium-grained sandstone of moderate silicification/sericite.	HE22075226	<0.005	<-0.2	0.0007	0.0013	0.002	33	<-2	<-1	120	19	0.15	<-10	<-0.5	<-2	0.24	<-0.5	4	15	1.23	<-10	0.03	10	0.05	966	2	0.02	3	160	<-0.01	1	<-20	<-0.01	<-10	<-10	7	<-10	0.01
El Sombrero	240918	Channel	0.50	386563	3420028	631	WGS 84	12	White quartz vein (322°/N71°E/8cm) and up-side transparent veinlets with a low content of Fe oxides. It is hosted in a moderate sericitic/silicification, fine-grained sandstone.	HE22075226	<0.005	0.2	0.0002	0.0009	0.0014	4	<-2	<-1	80	8	0.17	<-10	<-0.5	<-2	0.06	<-0.5	2	13	0.51	<-10	0.04	10	0.02	410	<-1	0.03	3	180	<-0.01	1	<-20	<-0.01	<-10	<-10	2	<-10	

El Sombrero	240939	Channel	0.70	386108	3420300	617	WGS 84	12	Light gray/white quartz-filled structures (1347°/571°W/30cm) located at the white vein's up-side and hosted within a coarse-grained meta-sandstone.	HE22075226	<0.005	<-0.2	0.0003	0.0004	0.0005	2	<-2	<-1	60	16	0.22	<-10	<-0.5	<-2	0.34	<-0.5	1	18	0.43	<-10	0.15	10	0.02	259	<-1	0.02	1	330	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240941	Channel	0.70	386033	3420295	628	WGS 84	12	Milky white quartz vein (130°/564W/0.7m; cryptocrystalline aspect) with a low content of Fe oxides, which is emplaced between a strong-sericite meta-sandstone of coarse grain at its up-side and a dark green, fine-sized diorite at the down-side.	HE22075226	<0.005	<-0.2	0.0003	0.0002	0.0002	<-2	<-2	<-1	20	3	0.06	<-10	<-0.5	<-2	0.04	<-0.5	<-1	22	0.44	<-10	0.02	<-10	0.01	137	<-1	<-0.01	2	50	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.01
El Sombrero	240942	Channel	1.90	386021	3420309	628	WGS 84	12	Milky white quartz vein (NW-SE orientation) with a low content of Fe oxides, which is emplaced between a strong-sericite meta-sandstone of coarse grain at its up-side and a dark green, fine-sized diorite at the down-side.	HE22075226	<0.005	0.3	0.003	0.0029	0.0004	5	<-2	1	30	5	0.1	<-10	<-0.5	<-2	0.03	<-0.5	3	21	0.49	<-10	0.05	<-10	0.02	132	1	<-0.01	2	130	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.03
El Sombrero	240943	Channel	1.30	386339	3420471	615	WGS 84	12	White/light gray quartz vein (311°/N42°E/0.6m) with a low content of Fe oxides and multiple veinlets cutting a sequence of medium-grained meta-sandstones of strong sericite/weak silicification. Foliation orientation is 129°/543°-65°W. Traces of Cu carbonates.	HE22075226	<0.005	<-0.2	0.0003	0.0002	0.0002	2	<-2	<-1	50	6	0.14	<-10	<-0.5	<-2	0.03	<-0.5	1	26	0.59	<-10	0.08	<-10	0.01	212	<-1	0.01	2	40	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	<-0.01
El Sombrero	240944	Channel	1.90	386353	3420468	624	WGS 84	12	Possible 240942's south-bound extension. Apparently hosted in a sandstone of medium grain. Selective sample re-collected from foothill sub-outcrop.	HE22075226	<0.005	<-0.2	0.0001	0.0001	0.0001	<-2	<-2	<-1	30	3	0.05	<-10	<-0.5	<-2	0.02	<-0.5	<-1	22	0.28	<-10	0.03	<-10	0.01	85	<-1	0.01	1	110	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01
El Sombrero	240945	Channel	1.10	386327	3420519	624	WGS 84	12	Light gray quartz vein (136°/568°W/0.3m) with a low to medium content of Fe oxides and multiple veinlets cutting a sequence of medium-grained meta-sandstones of strong sericite/weak silicification. Sample obtained from a 4m-long adit face. Some quartz-filled cut or/and follow the foliation planes (as sub-horizontal parallel). No upward evident outcrop.	HE22075226	<0.005	<-0.2	0.0011	0.0002	0.0008	6	<-2	<-1	90	10	0.48	<-10	<-0.5	<-2	0.1	<-0.5	2	15	0.77	<-10	0.28	10	0.06	241	<-1	0.07	2	340	<-0.01	1	<-20	0.01	<-10	<-10	7	<-10	<-0.01
El Sombrero	240946	Channel	0.50	386205	3420398	607	WGS 84	12	Two light gray veinlets (141°/518°W/0.9cm) with a high content of Fe oxides and a low of Cu carbonates. Coarse-grained meta-sandstone of high content of sericite and a weak silicification. Mineralized structures are sub-parallel to foliation planes.	HE22075226	0.008	11.2	0.212	0.1575	0.0009	24	<-2	<-1	30	4	0.21	<-10	<-0.5	<-2	0.06	<-0.5	2	20	0.96	<-10	0.1	10	0.05	409	1	0.02	1	250	<-0.01	1	<-20	0.01	<-10	<-10	43	<-10	0.07
El Sombrero	240947	Channel	1.90	386208	3420313	601	WGS 84	12	Three light gray veins (125°/519°W/1.7cm) with a high content of Fe oxides and a medium of Cu carbonates. Coarse-grained meta-sandstone of high content of sericite and a weak silicification. Mineralized structures are sub-parallel to foliation planes.	HE22075226	0.014	6.9	0.099	0.1145	0.0005	14	<-2	<-1	50	13	0.29	<-10	<-0.5	3	0.09	<-0.5	1	12	1.83	<-10	0.21	20	0.04	79	2	0.03	2	450	0.05	1	<-20	<-0.01	<-10	<-10	41	<-10	0.52
El Sombrero	240948	Channel	1.20	386209	3420311	600	WGS 84	12	Two light gray veins (131°/577°W/1.6cm) with a high content of Fe oxides and a medium of Cu carbonates. Coarse-grained meta-sandstone of high content of sericite and a weak silicification. Mineralized structures are sub-parallel to foliation planes. It is located at the 240947's down-side.	HE22075226	<0.005	<-0.2	0.0029	0.0015	0.0002	2	<-2	<-1	20	3	0.08	<-10	<-0.5	<-2	0.02	<-0.5	1	25	0.44	<-10	0.04	<-10	0.01	105	<-1	0.01	1	60	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	240949	Channel	1.00	386189	3420319	606	WGS 84	12	Extension of 240947's vertical structures (134°/551°W is the official orientation and the branch's 305°/N61°E). Some structures follow or cut the foliation planes.	HE22075226	0.106	42.2	0.517	0.959	0.0012	30	<-2	<-1	50	13	0.42	<-10	<-0.5	6	0.16	<-0.5	3	9	0.99	<-10	0.18	10	0.11	549	9	0.03	2	640	0.02	1	<-20	0.04	<-10	<-10	56	<-10	0.58
El Sombrero	240950	Channel	1.00	386166	3420342	599	WGS 84	12	Possible 240949's northwestern-bound trace. Selective sample. No evident outcrops.	GU22103769	<0.005	0.2	0.0059	0.004	0.0007	6	<-2	<-1	70	10	0.48	<-10	<-0.5	<-2	0.13	<-0.5	1	9	1.1	<-10	0.31	10	0.06	263	<-1	0.04	2	490	0.02	1	<-20	0.01	<-10	<-10	11	<-10	0.01
El Sombrero	240951	Channel	0.80	386160	3420317	609	WGS 84	12	Two light gray/white veinlets (140°/536°W/1.0cm) with a high content of Fe, Cu and As sulfides. Coarse-grained meta-sandstone of high content of sericite and a weak silicification is the host rock. The mineralized structures are sub-parallel to 240947's horizontal structures at the up-side, some are emplaced along the foliation.	GU22103769	0.024	20.6	0.122	0.796	0.0021	15	<-2	<-1	50	14	0.6	<-10	<-0.5	7	0.23	<-0.5	4	5	1.62	<-10	0.26	10	0.2	287	13	0.03	3	670	0.04	1	<-20	0.07	<-10	<-10	20	<-10	0.52
El Sombrero	240952	Channel	0.70	386206	3420313	597	WGS 84	12	White/light gray quartz vein (317°/N68°E/0.7m) with an abundant content of Fe, Cu, Zn, Pb, As and Hg(?) sulphides. It shows black bandings. This is cutting a sequence of medium/coarse-grained meta-sandstones of strong sericite/moderate silicification.	GU22103769	<0.005	1.3	0.0675	0.0334	0.0005	27	<-2	<-1	50	23	0.22	<-10	<-0.5	2	0.04	<-0.5	1	8	2.79	<-10	0.15	10	0.04	138	1	0.04	1	320	0.13	<-1	<-20	<-0.01	<-10	<-10	37	<-10	0.12
El Sombrero	240953	Channel	1.60	386204	3420312	597	WGS 84	12	Three light gray/white veins (148°/57°W/1.6cm) with a high content of Fe, Cu and Zn sulfides cutting meta-sandstone's foliation planes. It seems thicken upward like wedge and a variable dip. Extension of 240952.	GU22103769	<0.005	<-0.2	0.0035	0.0012	0.0008	5	<-2	<-1	60	10	0.31	<-10	<-0.5	<-2	0.14	<-0.5	1	8	0.8	<-10	0.22	10	0.08	316	<-1	0.04	1	420	<-0.01	1	<-20	0.01	<-10	<-10	9	<-10	<-0.01
El Sombrero	240954	Channel	0.90	386335	3420473	597	WGS 84	12	Light green meta-sandstone of medium grain and a high content of sericite and a weak silicification. The sampling interval looks like wedge between 2 quartz-filled bodies. Foliation is 132°/544°W.	GU22103769	<0.005	<-0.2	0.0005	0.0025	0.0004	23	<-2	<-1	60	21	0.47	<-10	<-0.5	<-2	0.31	<-0.5	1	2	1.08	<-10	0.29	30	0.06	153	<-1	0.03	2	800	<-0.01	1	20	0.04	<-10	<-10	11	<-10	<-0.01
El Sombrero	240955	Channel	0.50	386335	3420471	597	WGS 84	12	Set of white quartz veinlets (150°/579°W/2cm; medium density) cutting 240954's foliation planes. It is hosted in a medium/coarse-grained sandstone of moderate sericite/weak silicification.	GU22103769	<0.005	<-0.2	0.0004	0.0006	0.0004	11	<-2	<-1	60	14	0.28	<-10	<-0.5	<-2	0.12	<-0.5	1	6	1.05	<-10	0.15	20	0.03	244	<-1	0.04	2	320	<-0.01	1	<-20	0.01	<-10	<-10	7	<-10	<-0.01
El Sombrero	240956	Channel	0.90	386331	3420519	609	WGS 84	12	Two almost horizontal, white quartz veins (310°/512°W/1.6cm of medium content of Fe oxides cutting/following foliation planes. It is hosted in a medium/coarse-grained sandstone of moderate sericite/weak silicification.	GU22103769	<0.005	<-0.2	0.0008	0.0006	0.0006	6	<-2	<-1	50	11	0.31	<-10	<-0.5	<-2	0.14	<-0.5	1	5	0.95	<-10	0.22	20	0.05	234	<-1	0.03	1	430	<-0.01	1	<-20	<-0.01	<-10	<-10	6	<-10	<-0.01
El Sombrero	240957	Channel	0.70	386329	3420520	609	WGS 84	12	Two almost horizontal, white/light gray quartz veinlets (316°/58°W/1.6cm) with a light to medium content of Fe and Pb (Pb) oxides cutting/following foliation planes. It is hosted in a medium/coarse-grained sandstone of moderate sericite/weak silicification.	GU22103769	<0.005	<-0.2	0.002	0.0016	0.0006	7	<-2	<-1	100	13	0.29	<-10	<-0.5	<-2	0.14	<-0.5	1	4	0.44	<-10	0.18	20	0.04	520	<-1	0.03	2	320	<-0.01	1	<-20	0.01	<-10	<-10	6	<-10	0.01
El Sombrero	240958	Channel	0.90	386944	3419845	601	WGS 84	12	Fine-grained sandstone of moderate argillization and strongly-affected by a fault (134°/546°W) at its up-side. It presents a medium content of oxidized syngenetic pyrite. Sample located at the mineralized structure's down-side. Underground sample (approximate coordinates).	GU22103769	0.043	1.5	0.0025	0.014	0.0182	717	4	<-1	90	100	0.58	<-10	<-0.5	<-2	6.16	2.5	6	2	2.13	<-10	0.16	10	0.2	607	1	0.12	7	440	0.02	1	<-20	<-0.01	<-10	<-10	6	<-10	0.04
El Sombrero	240959	Channel	0.60	386944	3419845	601	WGS 84	12	White/light gray quartz vein (114°/538°W/0.6m) with a medium to high content of Fe and Cu sulfides, and its respective carbonates and oxides. It is parallel to sub-parallel of 240958's control fault. Underground sample (approximate coordinates).	GU22103769	1.580	2.6	0.0145	0.0531	0.0385	366	5	<-1	130	54	0.31	<-10	<-0.5	<-2	1.86	4.5	6	5	1.35	<-10	0.16	10	0.08	796	1	0.05	5	350	0.01	1	<-20	<-0.01	<-10	<-10	7	<-10	0.2
El Sombrero	240961	Channel	0.50	386944	3419845	601	WGS 84	12	Pack of moderately-foliated, argillized phylites and a low to medium content of Fe oxides in fractures and foliation planes. It also exhibits fine-grained sandstone lenticular-shape. Sample re-collected from mineralized structure's up-side. Underground sample (approximate coordinates).	GU22103769	0.119	1.2	0.0118	0.0219	0.0524	2830	9	<-1	150	98	0.46	10	<-0.5	<-2	3.47	6.5	9	2	2.75	<-10	0.25	10	0.12	513	2	0.15	13	490	0.03	1	<-20	<-0.01	<-10	<-10	13	<-10	0.13
El Sombrero	240962	Channel	1.50	386946	3419844	601	WGS 84	12	Fine-grained sandstone of moderate argillization and strongly-affected by a fault (134°/546°W) at its up-side. It presents a low content of Fe oxides and medium content of oxidized syngenetic pyrite. Sample located at the mineralized structure's down-side.	GU22103769	0.010	0.3	0.0024	0.0021	0.0134	272	<-2	<-1	70	100	0.62	<-10	<-0.5	<-2	4.17	0.8	7	2	2.08	<-10	0.18	20	0.19	587	1	0.09	6	490	0.01	1	<-20	<-0.01	<-10	<-10	6	<-10	0.02
El Sombrero	240963	Channel	0.50	386946	3419844	601	WGS 84	12	White/light gray quartz vein (147°/544°W/0.35m) with a medium to high content of Fe and Cu sulfides, and its respective carbonates and oxides. It is parallel to sub-parallel of 240958's control fault. Sample interval included the fault gouge's down-side (15cm). Underground sample (approximate coordinates).	GU22103769	0.509	1.1	0.0083	0.0319	0.0254	183	4	<-1	60	35	0.22	<-10	<-0.5	<-2	1.66	2.2	3	8	0.97	<-10	0.13	10	0.05	426	1	0.04	6	180	0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	

El Sombrero	240975	Channel	1.50	386956	3419831	601	WGS 84	12	Fine-grained sandstone of weak sericite/moderate silicification. It exhibits a low to medium content of oxidized syngenetic pyrite. Sample located at the mineralized structure's down-side. Control fault: 148°/544°W. Underground sample (approximate coordinates).	GU22103769	0.005	0.6	0.0069	0.0032	0.0281	387	2	<-1	50	68	0.67	<-10	<-0.5	<-2	2.28	3.1	6	3	2.41	<-10	0.18	20	0.26	523	2	0.07	13	540	<-0.01	1	<-20	<-0.01	<-10	<-10	9	<-10	0.01
El Sombrero	240976	Channel	0.50	386956	3419831	601	WGS 84	12	Set of >2 light gray/white quartz veinlets (164°/530°W/<1cm) with a medium to high content of Fe, Cu, As and Pb(?) sulfides, and respective leaching oxides. Sample emplaced in a fine-grained sandstone of moderate silicification/weak sericite. Underground sample (approximate coordinates).	GU22103769	0.312	11.7	0.0076	0.526	0.0739	1560	7	<-1	70	57	0.29	<-10	<-0.5	<-2	2.77	12.9	5	6	1.63	<-10	0.16	10	0.09	636	2	0.05	9	310	0.02	1	<-20	<-0.01	<-10	<-10	10	<-10	3.46
El Sombrero	240977	Channel	1.40	386958	3419827	601	WGS 84	12	Fine-grained sandstone of weak sericite/moderate silicification. Weak foliation observed and a low content of Fe oxides and medium of syngenetic pyrite. It presents a white quartz veinlet (355°/N84°E/<2cm) cutting the foliation and bedding. Sample located at the mineralized structure's down-side. Control fault: 140°/540°W. Underground sample (approximate coordinates).	GU22103769	0.021	0.6	0.0077	0.0142	0.0234	421	3	<-1	80	64	0.42	<-10	<-0.5	<-2	2.1	1.8	11	5	1.93	<-10	0.25	20	0.1	482	2	0.06	13	560	0.01	1	<-20	<-0.01	<-10	<-10	6	<-10	0.35
El Sombrero	240978	Channel	0.50	386958	3419827	601	WGS 84	12	Extension of 240975 with at least 2 quartz veinlets (107°/544°W/<4cm) of moderate to high content of Fe, Cu and Pb(?) sulfides, and its respective oxides. Underground sample (approximate coordinates).	GU22103769	1.320	5.5	0.0163	0.128	0.0635	604	8	<-1	150	102	0.88	<-10	0.5	3	4.48	10.1	12	19	2.73	<-10	0.25	10	0.6	1660	4	0.1	57	460	0.02	3	<-20	0.01	<-10	<-10	27	<-10	1.95
El Sombrero	240979	Channel	0.80	386958	3419823	601	WGS 84	12	White quartz veinlets (303°/N79°E/<8cm) with a high content of Fe, Cu, As and Sb sulfides. It also presents multiple tiny, parallel veinlets cutting the sandstone of fine grain of weak silicification (moderate near to structures). Underground sample (approximate coordinates).	GU22103769	0.028	1.2	0.0061	0.0255	0.034	2050	4	<-1	60	65	0.51	<-10	<-0.5	<-2	1.5	4.2	9	3	2.44	<-10	0.25	20	0.14	300	2	0.05	13	650	0.01	1	<-20	<-0.01	<-10	<-10	7	<-10	0.59
El Sombrero	240981	Channel	1.10	386959	3419821	601	WGS 84	12	White quartz vein (297°/N17°E/<15cm) with a high content of Fe, Cu, As and Sb sulfides. It also presents multiple tiny, parallel veinlets cutting the sandstone of fine grain of weak silicification (moderate near to structures). Underground sample (approximate coordinates).	GU22103769	<0.005	<-0.2	0.002	0.0026	0.0029	155	<-2	<-1	30	21	0.17	<-10	<-0.5	<-2	0.58	0.6	2	10	0.89	<-10	0.04	<-10	0.06	216	<-1	0.03	3	80	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.02
El Sombrero	240982	Channel	0.60	386959	3419822	602	WGS 84	12	Fine-grained sandstone of weak sericite/moderate silicification. Moderate foliation (152°/541°W) observed and a low content of Fe oxides and medium of syngenetic pyrite. Sampling interval located at the down-side. Underground sample (approximate coordinates).	GU22103769	<0.005	0.5	0.0041	0.0019	0.0123	222	2	<-1	70	54	0.99	<-10	<-0.5	<-2	1.42	0.7	5	5	2.75	<-10	0.21	20	0.38	421	2	0.05	7	510	<-0.01	2	<-20	0.01	<-10	<-10	13	<-10	0.02
El Sombrero	240983	Channel	0.90	386960	3419820	601	WGS 84	12	2 white quartz veins (152°/544°W/<13cm) with a moderate to high content of Fe, Cu, As and Sb sulfides, which is divided by fine-grained sandstone. Sampling interval is located at the fault up-side. Underground sample (approximate coordinates).	GU22103769	0.008	0.8	0.0049	0.0051	0.0189	328	<-2	<-1	250	156	2.07	<-10	0.5	<-2	4.4	1.4	19	66	3.37	10	0.54	10	2.48	536	1	0.08	151	620	0.01	8	<-20	0.07	<-10	<-10	64	<-10	0.05
El Sombrero	240984	Channel	1.30	386943	3419849	594	WGS 84	12	Set of >3 white quartz veins (134°-145°/533°-66°W/<12cm) with a low content of Fe oxides. These structures are cutting the alternation of phylites of moderate argillized and fine-grained sandstone of weak silicification/moderate sericite..	GU22103769	0.178	1.1	0.0066	0.0233	0.0186	453	3	<-1	40	24	0.24	<-10	<-0.5	<-2	0.9	2	3	10	1.06	<-10	0.13	10	0.07	202	<-1	0.02	6	120	<-0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.17
El Sombrero	240985	Channel	1.80	386943	3419852	594	WGS 84	12	Set of >2 white quartz veins (153°/551°W/<10cm) with a low content of Fe oxides. These structures are cutting the alternation of phylites of moderate argillized and fine-grained sandstone of weak silicification/moderate sericite..	GU22103769	0.018	0.7	0.0028	0.0036	0.0062	332	<-2	<-1	30	108	0.25	<-10	<-0.5	<-2	3.67	0.7	2	6	1.15	<-10	0.05	10	0.12	486	1	0.05	4	240	<-0.01	2	<-20	<-0.01	<-10	<-10	6	<-10	0.03
El Sombrero	240986	Channel	1.30	386939	3419862	594	WGS 84	12	White quartz veins (167°/538°W/<16cm) with multiple parallel and sub-parallel quartz veinlets emplaced fine-grained sandstone of moderate silicification/sericite (high as patches and halos).	GU22103769	0.128	6.3	0.0072	0.264	0.0183	978	5	<-1	20	13	0.15	<-10	<-0.5	<-2	0.3	1.2	4	9	1.17	<-10	0.07	<-10	0.03	208	1	0.02	5	130	<-0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.81
El Sombrero	240987	Channel	0.90	386939	3419867	594	WGS 84	12	Milky quartz veins (174°/577°W/<45cm) with multiple parallel and sub-parallel quartz veinlets emplaced fine-grained sandstone of moderate silicification/sericite (high as patches and halos).	GU22103769	0.015	1.4	0.0053	0.0157	0.0068	186	<-2	<-1	30	6	0.09	<-10	<-0.5	<-2	0.12	0.7	1	11	0.74	<-10	0.06	<-10	0.02	152	1	0.01	3	110	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.07
El Sombrero	240988	Channel	0.60	386935	3419885	596	WGS 84	12	White quartz veins (145°/N75°E/<12cm) with multiple parallel and sub-parallel quartz veinlets emplaced fine-grained sandstone of moderate silicification/sericite (high as patches and halos).	GU22103769	0.010	0.6	0.0078	0.0085	0.0045	280	<-2	<-1	30	8	0.14	<-10	<-0.5	<-2	0.23	0.5	2	8	0.69	<-10	0.06	<-10	0.02	227	1	0.02	3	150	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.05
El Sombrero	240989	Channel	0.70	386931	3419907	604	WGS 84	12	Intercalation of fine-grained sandstone of weak-moderate silicification/weak sericite and phylites of moderate foliation with a low content of oxides. It presents a medium density to white quartz veinlets (161°/549°W/<1cm as main; 11°/546°W as secondaries) emplace along of foliation and some cutting it.	GU22103769	0.074	14.9	0.0718	0.0802	0.0319	653	12	<-1	70	42	0.63	<-10	<-0.5	<-2	3.79	5	6	4	1.97	<-10	0.26	20	0.19	612	2	0.01	8	550	<-0.01	1	<-20	0.01	<-10	<-10	9	<-10	0.34
El Sombrero	240990	Channel	0.70	386929	3419907	604	WGS 84	12	Intercalation of fine-grained sandstone of weak-moderate silicification/weak sericite and phylites of moderate foliation with a low content of oxides. It presents a medium density to white quartz veinlets (161°/549°W/<1cm) emplace along of foliation.	GU22103769	0.144	19.1	0.134	0.157	0.0462	1335	14	<-1	70	53	0.72	<-10	<-0.5	<-2	4.78	13.4	8	3	2.3	<-10	0.25	10	0.22	1145	3	0.01	8	570	<-0.01	1	<-20	0.01	<-10	<-10	10	<-10	0.04
El Sombrero	240991	Channel	0.80	386929	3419908	604	WGS 84	12	Mineralized zone of high density of light gray quartz veinlets (165°/540°W/<6cm) with a high content of Fe and Cu sulfides, and respective oxides and carbonates filling edges and along foliation planes. Fine-grained sandstone of moderate sericite/silicification (high as patches and halos around veinlets).	GU22103769	0.152	16.4	0.0617	0.0261	0.0462	2590	7	<-1	90	33	0.34	<-10	<-0.5	<-2	1.45	13.7	6	5	1.8	<-10	0.18	10	0.05	534	2	0.03	6	450	<-0.01	2	<-20	<-0.01	<-10	<-10	6	<-10	0.07
El Sombrero	240992	Channel	0.70	386930	3419909	604	WGS 84	12	Upper part of mineralized zone with light gray quartz veinlets with a high content of Fe and Cu sulfides, and respective oxides and carbonates filling edges and along foliation planes. Fine-grained sandstone of moderate sericite/silicification (high as patches and halos around veinlets).	GU22103769	0.149	39.9	0.0892	0.102	0.0699	2260	17	<-1	70	33	0.33	<-10	<-0.5	<-2	0.91	30.6	5	7	2.24	<-10	0.13	10	0.1	747	3	0.03	7	390	<-0.01	2	<-20	<-0.01	<-10	<-10	7	<-10	0.09
El Sombrero	240993	Channel	0.90	386930	3419908	604	WGS 84	12	Set of white quartz veinlets (23°/577°E/<3cm) and a low density of quartz+Fe oxides veinlets cutting the foliation. Fine-grained sandstone of weak silicification/moderate sericite as host rock.	GU22103769	0.303	9.1	0.0344	0.0503	0.0564	3050	21	<-1	80	43	0.32	<-10	<-0.5	<-2	2.71	10.3	7	4	2.74	<-10	0.12	10	0.08	698	2	0.06	9	530	0.01	2	<-20	<-0.01	<-10	<-10	5	<-10	0.17
El Sombrero	240994	Channel	1.90	386931	3419905	603	WGS 84	12	Set of white quartz veinlets cutting the foliation. Intercalation of fine-grained sandstone of weak silicification/moderate sericite and phylites as host rock.	GU22103769	0.101	19.5	0.0633	0.175	0.0489	1830	11	<-1	60	36	0.28	<-10	<-0.5	<-2	3.52	16.1	6	4	1.78	<-10	0.13	10	0.05	507	4	0.02	5	410	0.01	2	<-20	<-0.01	<-10	<-10	6	<-10	0.37
El Sombrero	240995	Channel	1.20	386925	3419918	604	WGS 84	12	Intercalation of fine-grained sandstone of weak-moderate silicification/weak sericite and phylites with a moderate to strong foliation. High content of oxidized syngenetic pyrites mainly in phyllite horizons. Underground sample (approximate coordinates).	GU22103769	0.507	18.8	0.1445	0.1915	0.0421	4580	28	<-1	60	40	0.41	<-10	<-0.5	<-2	1.01	10	11	3	2.52	<-10	0.27	20	0.05	770	5	0.03	11	650	<-0.01	1	<-20	<-0.01	<-10	<-10	6	<-10	0.24
El Sombrero	240996	Channel	0.70	386924	3419919	605	WGS 84	12	White/light gray quartz vein (down-side dip: 158°/552°W; up-side dip: 155°/546°W; 0.7m being bigger upward thickening) with an abundant content of Fe, Cu, As, Sb, Pb(?) and Zn(?) sulfides, and its respective leaching oxides and carbonates.	GU22103769	0.603	56.6	0.356	0.431	0.0623	2650	27	<-1	20	30	0.09	<-10	<-0.5	<-2	0.47	18.1	6	7	1.32	<-10	0.06	<-10	0.01	1205	9	0.07	6	120	0.07	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.37
El Sombrero	240997	Channel	1.00	386923	3419918	604	WGS 84	12	Intercalation of fine-grained sandstone of moderate silicification/weak sericite and phylites with a moderate to strong foliation. Medium density of up-side's veinlets in the foliation and some perpendicular cutting it; high content of oxidized syngenetic pyrites mainly in phyllite horizons. Underground sample (approximate coordinates).	GU22103769	0.449	107	0.539	0.404	0.259	6680	161	1	40	67	0.33	<-10	<-0.5	<-2	2.18	69.2	10	3	2.73	<-10	0.21	10	0.08	815	38	0.23	9	450	0.04	2	<-20	<-0.01	<-10	<-10	4	<-10	0.26
El Sombrero	240998	Channel	0.60	386929	3419927	617	WGS 84	12	Light gray quartz veinlet (170°/544°W/<6cm) with an abundant content of Fe, Cu, As, Pb and Zn sulfides, and its respective leaching oxides and carbonates. Alteration of fine-grained sandstone of moderate silicification/sericite and phylites. This structure owns a down-side's veining branch of Los Murcielagos' vein. Underground sample (approximate coordinates).	GU22103769	0.418	35.7	0.1175	0.374	0.0426	5650	23	<-1	130	66	0.21	<-10	<-0.5	<-2	2.67	15	3	5	1.56	<-10	0.13	10	0.04	348	4	0.02	6	330	0.01	1	<-20	<-0.01	<-10	<-10	4		

El Sombrero	241023	Chip	1.40	389007	3418943	576	WGS 84	12	Irregular shaped quartz vein outcropping accompanied by hematitic, goethetic and jarosite oxides in threads and filaments. The general strike of the vein is NW 50 with a dip of 38 SW with a width of 1.40 meters and long 6.50 meters	GU22103769	0.019	0.8	0.0012	0.0024	0.0145	238	<-2	<-1	40	100	0.14	<-10	<-0.5	<-2	2.6	1.8	3	8	1.34	<-10	0.1	10	0.07	403	6	0.01	7	290	0.01	1	<-20	<-0.01	<-10	<-10	4	20	0.44
El Sombrero	241024	Chip	1.50	389074	3418813	556	WGS 84	12	Sample taken in folded and faulted zone with intensely folded and strongly fractured in siltstones and sandy siltstones with moderate jarosite oxidation accompanied by slight goethetic and jarosite quartz veinlets and calcite quartz moderate argillization weak to moderate sericite quartz	GU22103769	<0.005	0.9	0.0007	0.001	0.012	24	<-2	<-1	150	517	0.29	<-10	<-0.5	<-2	18.3	3.9	3	2	1.03	<-10	0.13	10	0.41	860	1	0.02	7	460	0.06	1	<-20	<-0.01	<-10	<-10	6	<-10	0.02
El Sombrero	241025	Channel	0.75	389068	3418930	554	WGS 84	12	Sample taken in metasediment with thin laminar stratification consisting of siltstones, sandy siltstones and fine grained sandstones with predominance of jarosite and goethetic oxides impregnating the rock, in films in fractures, moderate argillization and partial silicification in alternating sections	GU22103769	<0.005	1.1	0.0011	0.0017	0.0104	65	<-2	<-1	70	226	0.27	<-10	<-0.5	<-2	9.3	1.7	3	2	1.57	<-10	0.13	10	0.19	200	2	0.03	7	310	0.06	1	<-20	<-0.01	<-10	<-10	4	<-10	0.03
El Sombrero	241026	Channel	1.20	389064	3418848	549	WGS 84	12	Sample taken in streambed in the fault zone to the strike of layer with predominance of goethetic and jarosite oxides that impregnate the rock the fault planes are cut by irregular quartz veinlets with jarosite oxides strong sericite quartz alteration accompanied by weak argillization and incipient silicification. the strata generally strike is NW 40 and dip 45 SW	GU22103769	<0.005	0.8	0.0011	0.0039	0.0102	102	<-2	<-1	40	343	0.1	<-10	<-0.5	<-2	7.1	2.4	3	6	1.23	<-10	0.07	<-10	0.16	570	3	0.01	6	220	0.02	1	<-20	<-0.01	<-10	<-10	4	<-10	0.05
El Sombrero	241027	Channel	1.20	389064	3418848	549	WGS 84	12	Sample taken in streambed in the fault zone to the strike of layer with predominance of goethetic and jarosite oxides that impregnate the rock the fault planes are cut by irregular quartz veinlets with jarosite oxides strong sericite quartz alteration accompanied by weak argillization and incipient silicification. the strata generally strike is NW 40 and dip 45 SW	GU22103769	0.006	0.8	0.0013	0.0013	0.0116	94	<-2	<-1	40	306	0.24	<-10	<-0.5	<-2	14.7	4.6	4	2	1.52	<-10	0.13	<-10	0.81	212	4	0.02	11	490	0.03	1	<-20	<-0.01	<-10	<-10	6	<-10	0.04
El Sombrero	241028	Channel	2.00	389058	3418899	550	WGS 84	12	Sample taken in sandy siltstones in stream channel with stock work of quartz veinlets, quartz iron carbonates accompanied by goethetic, jarosite oxides and local hematite predominantly with quartz veinlets. The general strike of layer is NW 40, 42 with dip of 20NE existing changes a dip due the folding locally	GU22103769	0.009	0.4	0.0031	0.0022	0.0086	71	<-2	<-1	110	118	0.32	<-10	<-0.5	<-2	4.91	2.3	8	2	2.62	<-10	0.15	10	0.1	663	3	0.03	14	660	0.04	2	<-20	<-0.01	<-10	<-10	7	<-10	0.05
El Sombrero	241029	Channel	1.10	389057	3418920	553	WGS 84	12	Sample in light brown sandstone in stream bed with moderate goethetic, jarosite impregnating the rock, one to two percent of each sulfides, alteration quartz sericite strong, moderate silicification strike in the layer is NW 43 and dep NE 40	GU22103769	<0.005	0.3	0.001	0.0022	0.004	44	<-2	<-1	120	69	0.21	<-10	<-0.5	<-2	4.14	0.9	6	3	2.34	<-10	0.09	10	0.07	1110	3	0.03	9	550	0.01	2	<-20	<-0.01	<-10	<-10	5	<-10	0.02
El Sombrero	241030	Channel	1.05	389057	3418920	553	WGS 84	12	Sample in light brown sandstone in stream bed with moderate goethetic, jarosite impregnating the rock, one to two percent of each sulfides, alteration quartz sericite strong, moderate silicification strike in the layer is NW 43 and dep NE 40	GU22103769	0.005	0.4	0.0011	0.0016	0.0031	59	2	<-1	130	80	0.23	<-10	<-0.5	<-2	3.93	0.7	6	3	2.51	<-10	0.11	10	0.08	983	3	0.02	9	600	0.01	2	<-20	<-0.01	<-10	<-10	6	<-10	0.04
El Sombrero	241031	Channel	1.05	389057	3418920	553	WGS 84	12	Siltstones interstratified with sandstones showing a decrease in the siltstones horizon in the content of quartz veins, iron carbonates and leach sulfides with respect to the siltstones horizons strong sericite quartz alteration and greater silicification in the sandstones.	GU22103769	0.008	0.4	0.0027	0.0029	0.0067	66	3	<-1	90	182	0.3	<-10	<-0.5	<-2	13	1.4	7	2	2.65	<-10	0.15	10	0.18	500	4	0.01	16	650	0.02	2	<-20	<-0.01	<-10	<-10	8	<-10	0.05
El Sombrero	241032	Channel	1.40	389088	3419023	557	WGS 84	12	Sample taken in fractured and folded siltstones at the junction of stream with strong impregnation of jarosite and local goethetic oxides of arsenopyrite, quartz calcite vein and quartz alteration moderate argillization to incipient sericite quartz	GU22103769	<0.005	0.7	0.0029	0.0014	0.0092	104	2	<-1	80	395	0.47	<-10	<-0.5	<-2	14.7	1.6	9	2	2.81	<-10	0.24	10	0.38	587	4	0.03	16	810	0.09	2	<-20	<-0.01	<-10	<-10	9	<-10	0.07
El Sombrero	241033	Channel	1.10	389088	3419023	557	WGS 84	12	Sample taken in the middle section of the outcrop consisting mainly of brown sandstones impregnated with jarosite and goethetic oxides, fine quartz veins goethetic calcite moderate sericite quartz alteration weak silicification	GU22103769	<0.005	0.5	0.0018	0.0011	0.0067	37	2	<-1	80	250	0.53	<-10	<-0.5	<-2	9.5	0.8	8	3	2.31	<-10	0.16	10	0.35	676	3	0.03	10	560	0.04	1	<-20	<-0.01	<-10	<-10	10	<-10	0.04
El Sombrero	241034	Channel	1.10	389094	3419029	567	WGS 84	12	Sample take in the bottom of the outcropping sequence with strong argillization with low angle fault manifestations with strike SE 15 and dipping 46 SW	GU22103769	<0.005	0.7	0.0012	0.0009	0.003	21	<-2	<-1	60	879	0.47	10	<-0.5	<-2	21.3	0.7	3	2	1.01	<-10	0.12	<-10	0.91	255	2	0.78	7	270	0.08	1	<-20	<-0.01	<-10	<-10	6	<-10	0.08
El Sombrero	241035	Channel	0.80	388987	3418955	571	WGS 84	12	Irregular outcropping of quartz vein with goethetic jarositic and locally hematitic oxides having a width at its greatest expression of 0.80 meters and at its smallest of 0.30 meters its strike is NW 60 with a dip of 60 SW possibly correlated with the structure of sample 241023	GU22103769	0.075	1	0.0007	0.0129	0.0126	449	<-2	<-1	230	86	0.07	<-10	<-0.5	<-2	2.21	0.7	10	9	0.75	<-10	0.04	<-10	0.05	2480	3	0.01	6	270	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.97
El Sombrero	241036	Channel	1.55	389018	3419025	560	WGS 84	12	Sample taken from stream wall in siltstones with sporadic horizons of strongly folded and fracture sandstone cream color with orange tones due to impregnation of jarosite and goethetic oxides one percent of each sulfides, sandstones planes due to higher quartz content and resistance to erosion alteration quartz sericite strong local silicification	GU22103769	<0.005	0.4	0.0012	0.0009	0.0031	32	<-2	<-1	30	422	0.28	<-10	<-0.5	<-2	23.1	1.4	2	2	1.14	<-10	0.13	<-10	0.9	102	2	0.03	7	750	0.07	1	<-20	<-0.01	<-10	<-10	4	<-10	0.04
El Sombrero	241037	Channel	1.60	389075	3419032	561	WGS 84	12	Sample taken from stream wall in siltstones with sporadic horizons of strongly folded and fracture sandstone cream color with orange tones due to impregnation of jarosite and goethetic oxides one percent of each sulfides, sandstones planes due to higher quartz content and resistance to erosion alteration quartz sericite strong local silicification	GU22103769	<0.005	0.3	0.0028	0.0016	0.007	76	3	<-1	70	248	0.39	<-10	<-0.5	<-2	13	3.1	8	2	2.39	<-10	0.16	10	0.27	540	4	0.02	20	1120	0.05	1	<-20	<-0.01	<-10	<-10	7	<-10	0.05
El Sombrero	241038	Channel	2.00	389073	3419033	562	WGS 84	12	Sample taken from stream wall in siltstones with sporadic horizons of strongly folded and fracture sandstone cream color with orange tones due to impregnation of jarosite and goethetic oxides one percent of each sulfides, sandstones planes due to higher quartz content and resistance to erosion alteration quartz sericite strong local silicification	GU22103769	<0.005	0.2	0.0017	0.0017	0.0067	85	3	<-1	80	298	0.46	10	<-0.5	<-2	5.51	1.8	7	2	2.37	<-10	0.2	10	0.36	462	4	1.04	13	480	0.11	1	<-20	<-0.01	<-10	<-10	9	<-10	0.06
El Sombrero	241039	Channel	1.30	389073	3419033	562	WGS 84	12	Sample taken from stream wall in siltstones with sporadic horizons of strongly folded and fracture sandstone cream color with orange tones due to impregnation of jarosite and goethetic oxides one percent of each sulfides, sandstones planes due to higher quartz content and resistance to erosion alteration quartz sericite strong local silicification	GU22103769	<0.005	0.3	0.0012	0.0019	0.0048	64	2	<-1	50	295	0.34	<-10	<-0.5	<-2	13.1	0.7	3	2	1.67	<-10	0.18	10	0.28	89	2	0.02	7	410	0.07	1	<-20	<-0.01	<-10	<-10	7	<-10	0.04
El Sombrero	241041	Channel	1.40	389073	3419033	562	WGS 84	12	Sample taken from stream wall in siltstones with sporadic horizons of strongly folded and fracture sandstone cream color with orange tones due to impregnation of jarosite and goethetic oxides one percent of each sulfides, sandstones planes due to higher quartz content and resistance to erosion alteration quartz sericite strong local silicification	GU22103769	<0.005	0.2	0.0019	0.0011	0.0066	57	2	<-1	60	264	0.61	<-10	<-0.5	<-2	14.8	0.8	6	5	1.9	<-10	0.21	10	0.37	255	2	0.02	17	960	0.06	1	<-20	<-0.01	<-10	<-10	8	<-10	0.04
El Sombrero	241042	Channel	1.30	389071	3419039	556	WGS 84	12	Sample taken in an intensely folded zone with a high content of calcium carbonate dissolution accompanied by silicification in the stratification planes of the sedimentary sequence observing jarosite films and impregnation of the same occasionally accompanied by goethetic hematite after leach sulfides from one to two percent, the section give the appearance of low angle faulting highlighting siltstones planes occasionally moderate sericite quartz alteration with moderate silicification	GU22103769	<0.005	0.3	0.0012	0.001	0.003	58	2	<-1	40	614	0.33	10	<-0.5	<-2	19.1	1	3	2	1.4	<-10	0.15	<-10	0.84	78	2	0.33	8	440	0.12	1	<-20	<-0.01	<-10	<-10	6	<-10	0.07
El Sombrero	241043	Channel	1.80	389034	3419014	562	WGS 84	12	Sample taken in intensely folded sandstones with quartz veinlets accompanied by goethetic and jarosite oxides and to lesser extent hematitic goethetic and jarosite also impregnate the rock giving it orange brown tones one to two percent of leached sulfides, alteration quartz sericite strong moderate silicification	GU22103769	0.009	0.6	0.003	0.0037	0.0039	90	2	<-1	60	259	0.4	10	<-0.5	<-2	0.55	<-0.5	6	2	3.25	<-10	0.22	20	0.13	235	6	0.04	8	590	0.11	3	<-20	<-0.01	<-10	<-10	7	<-10	0.05
El Sombrero	241044	Channel	1.90	389036	3419016	561	WGS 84	12	Sample taken in intensely folded sandstones with quartz veinlets accompanied by goethetic and jarosite oxides and to lesser extent hematitic goethetic and jarosite also impregnate the rock giving it orange brown tones one to two percent of leached sulfides, alteration quartz sericite strong moderate silicification	GU22103769	0.006	0.5	0.0041	0.0018	0.005	77	2	<-1	70	223	0.49	10	<-0.5	<-2	1.94	<-0.5	10	3	3.36	<-10	0.17	10	0.12	829	7	0.05	13	560	0.15	2	<-20	<-0.01	<-10	<-10	9	<-10	0.03
El Sombrero	241045	Channel	1.80	389028	3419008	554	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethetic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic sequence is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.006	0.6	0.0036	0.0017	0.0099	32	3	<-1	60	215	0.6	10	<-0.5	<-2	2.58	3.9	6	3	3.43	<-10	0.21	20	0.47	104	4	0.12	14	750	0.11	2	<-20	<-0.01	<-10	<-10	9	<-10	0.04
El Sombrero	241046	Channel	2.00	389025	3419007	550	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethetic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic sequence is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.008	1.3	0.0046	0.0019	0.0117	34	4	<-1	50	264	0.37	<-10	<-0.5	<-2	5.05	3.3	10	1	3.16	<-10	0.18	10	0.69	145	4	0.12	26	800	0.24	1	<-20	<-0.01	<-10	<-10	5	<-10	0.05

El Sombrero	241047	Channel	2.00	389020	3419018	560	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericitic quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.007	0.6	0.0058	0.0037	0.0108	111	5	<1	80	222	0.53	10	0.6	<2	2.38	0.9	12	2	6.29	<10	0.23	10	0.23	876	8	0.17	24	1130	0.24	3	<20	<0.01	<10	<10	12	<10	0.05
El Sombrero	241048	Channel	1.45	389018	3419021	562	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericitic quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.005	0.3	0.0048	0.0021	0.0092	38	4	<1	60	179	0.54	<10	0.5	<2	3.13	1.8	10	2	3.68	<10	0.21	20	0.31	118	7	0.06	19	850	0.08	1	<20	<0.01	<10	<10	7	<10	0.05
El Sombrero	241049	Channel	1.40	389014	3419016	566	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericitic quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	<0.005	0.4	0.0041	0.0016	0.008	43	4	<1	60	122	0.57	10	<0.5	<2	2.31	1.2	10	3	3.46	<10	0.21	20	0.33	270	4	0.05	16	890	0.02	2	<20	<0.01	<10	<10	9	<10	0.04
El Sombrero	241050	Channel	2.00	389014	3419021	571	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericitic quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	<0.005	0.3	0.0035	0.0021	0.01	44	4	<1	60	115	0.47	<10	<0.5	<2	0.3	0.5	10	3	3.59	<10	0.23	20	0.11	151	5	0.1	16	760	0.13	2	<20	<0.01	<10	<10	7	<10	0.04
El Sombrero	241051	Channel	0.80	388932	3419113	536	WGS 84	12	Sequence of shales and sandstones with moderate oxidation (Jarosite-Hematita) and thin quartz veinlets <2 mm. Affected by a fine-grained andesitic sill. In the contact between the sedimentary sequence and the sill, a quartz vein of up to 22 cm is emplaced, with secondary hematite mineralization and possible oxidized pyrite. The strike of the vein and foliation is SE 30/40. The sill is 3 m thick and at the bottom there is oxidized and silicified sandstone with quartz veinlets with oxides <3mm. Sample 1 channel of 0.8 m in shales with jarosite. Sample 2 channel of 0.8 m in silicified and oxidized sandstone with Quartz veinlets (both at the top of the vein) Sample 3 channel of 0.5 m perpendicular to the vein of 22 cm and in the Andesitic dike at the bottom of the vein.	GU22103769	0.012	0.2	0.0046	0.0021	0.023	562	3	<1	110	77	0.48	<10	<0.5	<2	2.03	7.2	7	2	2.63	<10	0.22	30	0.08	209	5	0.06	18	360	0.05	1	<20	<0.01	<10	<10	9	<10	0.05
El Sombrero	241052	Channel	0.80	388932	3419113	536	WGS 84	12	Sequence of shales and sandstones with moderate oxidation (Jarosite-Hematita) and thin quartz veinlets <2 mm. Affected by a fine-grained andesitic sill. In the contact between the sedimentary sequence and the sill, a quartz vein of up to 22 cm is emplaced, with secondary hematite mineralization and possible oxidized pyrite. The strike of the vein and foliation is SE 30/40. The sill is 3 m thick and at the bottom there is oxidized and silicified sandstone with quartz veinlets with oxides <3mm. Sample 1 channel of 0.8 m in shales with jarosite. Sample 2 channel of 0.8 m in silicified and oxidized sandstone with Quartz veinlets (both at the top of the vein) Sample 3 channel of 0.5 m perpendicular to the vein of 22 cm and in the Andesitic dike at the bottom of the vein.	GU22103769	<0.005	0.3	0.0011	0.0009	0.0076	189	<2	<1	80	212	0.29	<10	<0.5	<2	5.14	0.5	4	4	2.06	<10	0.1	10	0.12	664	2	0.07	5	410	0.01	2	<20	<0.01	<10	<10	6	<10	0.02
El Sombrero	241053	Channel	0.50	388932	3419113	536	WGS 84	12	Sequence of shales and sandstones with moderate oxidation (Jarosite-Hematita) and thin quartz veinlets <2 mm. Affected by a fine-grained andesitic sill. In the contact between the sedimentary sequence and the sill, a quartz vein of up to 22 cm is emplaced, with secondary hematite mineralization and possible oxidized pyrite. The strike of the vein and foliation is SE 30/40. The sill is 3 m thick and at the bottom there is oxidized and silicified sandstone with quartz veinlets with oxides <3mm. Sample 1 channel of 0.8 m in shales with jarosite. Sample 2 channel of 0.8 m in silicified and oxidized sandstone with Quartz veinlets (both at the top of the vein) Sample 3 channel of 0.5 m perpendicular to the vein of 22 cm and in the Andesitic dike at the bottom of the vein.	GU22103769	<0.005	<0.2	0.0019	0.001	0.0055	66	<2	<1	50	53	0.5	<10	<0.5	<2	1.09	<0.5	3	10	1.3	<10	0.12	10	0.19	173	2	0.02	5	280	0.01	1	<20	<0.01	<10	<10	9	<10	0.02
El Sombrero	241054	Selective	0.80	388933	3419143	553	WGS 84	12	Selective sample in quartz vein up to 15 cm thick with mineralization of galena, pyrite and hematite-Jarosite. Heading SE 40/40	GU22103769	0.031	16.4	0.0051	0.645	0.049	952	7	1	30	24	0.06	<10	<0.5	5	0.43	5.7	1	13	1.32	<10	0.04	<10	0.01	202	5	0.01	7	140	0.1	<1	<20	<0.01	<10	<10	2	<10	3.86
El Sombrero	241055	Channel	0.50	388956	3419984	652	WGS 84	12	Small stope 2 m development to strike of a 30 cm quartz Vein emplaced at the top of a sill, in contact with a sequence of sandstones and shales with moderate oxidation and silicification, with a SE55/65 strike stratification (same direction as the vein), at the top of the structure there is a branch of veinlets in the sandstones that together with the vein form a thickness of up to 1.5 m. The mineralization consists of jarosite and siderite within the sales and veinlets of Quartz. Three samples were collected: 241055 channel of 50 cm in quartz vein, 056 at the top of the quartz vein and 057 in dump material. Historical sample of 44 ppm of Au	GU22103769	23.600	3.5	0.0031	0.0031	0.0061	372	<2	1	90	214	0.25	<10	<0.5	<2	2.94	0.7	5	6	2.24	<10	0.12	10	0.66	726	10	0.04	14	600	0.01	3	<20	<0.01	<10	<10	6	<10	0.06
El Sombrero	241056	Channel	0.50	388956	3419984	652	WGS 84	12	Small stope 2 m development to strike of a 30 cm quartz Vein emplaced at the top of a sill, in contact with a sequence of sandstones and shales with moderate oxidation and silicification, with a SE55/65 strike stratification (same direction as the vein), at the top of the structure there is a branch of veinlets in the sandstones that together with the vein form a thickness of up to 1.5 m. The mineralization consists of jarosite and siderite within the sales and veinlets of Quartz. Three samples were collected: 241055 channel of 50 cm in quartz vein, 056 at the top of the quartz vein and 057 in dump material. Historical sample of 44 ppm of Au	GU22103769	0.145	0.3	0.002	0.0017	0.0075	1360	2	1	90	121	0.33	<10	<0.5	<2	4.3	0.5	6	3	3.04	<10	0.15	20	0.66	984	5	0.03	10	420	0.02	3	<20	<0.01	<10	<10	7	<10	0.03
El Sombrero	241057	Dump	1.00	388956	3419984	652	WGS 84	12	Small stope 2 m development to strike of a 30 cm quartz Vein emplaced at the top of a sill, in contact with a sequence of sandstones and shales with moderate oxidation and silicification, with a SE55/65 strike stratification (same direction as the vein), at the top of the structure there is a branch of veinlets in the sandstones that together with the vein form a thickness of up to 1.5 m. The mineralization consists of jarosite and siderite within the sales and veinlets of Quartz. Three samples were collected: 241055 channel of 50 cm in quartz vein, 056 at the top of the quartz vein and 057 in dump material. Historical sample of 44 ppm of Au	GU22103769	8.330	4.9	0.0071	0.0169	0.0619	959	3	1	110	122	0.24	<10	<0.5	<2	4.05	6.7	6	10	2.95	<10	0.12	10	0.69	1005	13	0.02	14	460	0.01	3	<20	<0.01	<10	<10	8	<10	0.18

El Sombrero	241058	Dump	1.00	389594	3420844	710	WGS 84	12	Inclined shaft 1.5 m long, 1 m wide and 2.5 m deep (inclined approximately 70°) made over an area of quartz veinlets up to 0.5 m wide, trending NW 15/80, with mineralization of fine grained crystals with traces of malachite patches and moderate secondary iron oxides. A sample was taken from dump because the mining work is inaccessible.	GU22103769	3.850	67.5	0.0782	0.1645	0.0383	3280	310	1	240	172	0.33	<10	<-0.5	<-2	3.99	7.5	7	6	2.6	<10	0.07	<10	0.17	561	2	0.01	8	320	0.02	1	<-20	<-0.01	<10	<10	47	<10	0.04
El Sombrero	241059	Channel	1.00	389484	3421623	836	WGS 84	12	Mining work approximately 6 m long, on the course of a system of quartz veinlets 1.5 m thick, subparallel quartz veinlets up to 1 m thick, with hematite-jarosite mineralization and traces of possible oxidized chalcopyrite, and malachite patches. There is a subvertical shaft approximately 8 m deep, where subparallel veinlets of up to 0.8 m thick, low angle, general strike are cut. SE57/30...with mineralization similar to the main vein encased in the foliation of the rock (oxidized sandstone - silicified). The works are inaccessible. 241059 1 m channel in silicified and oxidized sandstone with veinlets sub-parallel to the top of the main vein, 241060 QA/QC, 241061 sample from dump.	GU22103769	0.280	3.6	0.0072	0.0049	0.0094	784	10	1	130	205	0.75	<10	0.5	<-2	5.08	0.5	14	6	3.63	<10	0.16	<10	2.17	841	1	0.01	13	820	<0.01	6	<-20	<-0.01	<10	<10	27	40	<0.01
El Sombrero	241061	Dump	1.00	389484	3421623	836	WGS 84	12	Mining work approximately 6 m long, on the course of a system of quartz veinlets 1.5 m thick, subparallel quartz veinlets up to 1 m thick, with hematite-jarosite mineralization and traces of possible oxidized chalcopyrite, and malachite patches. There is a subvertical shaft approximately 8 m deep, where subparallel veinlets of up to 0.8 m thick, low angle, general strike are cut. SE57/30...with mineralization similar to the main vein encased in the foliation of the rock (oxidized sandstone - silicified). The works are inaccessible. 241059 1 m channel in silicified and oxidized sandstone with veinlets sub-parallel to the top of the main vein, 241060 QA/QC, 241061 sample from dump.	GU22103769	1.370	26.9	0.0685	0.1125	0.082	2370	274	2	240	151	0.18	<10	<-0.5	<-2	3.73	4.3	7	9	2.48	<10	0.09	<10	1.16	637	5	0.01	6	370	0.01	2	<-20	<-0.01	<10	<10	8	<10	0.03
El Sombrero	241062	Channel	0.50	389414	3421631	841	WGS 84	12	Trench 1 m wide and 20 m long made off strike from a NW8/60 strike fault zone, up to 20 cm thick with hematite mineralization. 0.5m channel sample perpendicular to veinlet zone	GU22103769	0.946	0.9	0.0017	0.016	0.0087	461	4	1	290	122	0.57	10	0.6	<-2	3.15	<-0.5	16	2	4.34	<10	0.17	10	0.63	1060	4	0.04	11	730	0.01	3	<-20	<-0.01	<10	<10	24	<10	0.03
El Sombrero	241063	Dump	1.00	389400	3421558	840	WGS 84	12	Dump sample on quartz fragments with hematite-jarosite and sporadically malachite patches, vein width up to 0.6. NW8/75 course, continuation of the previous mining work, trench depth 15 m. Width 1.5m	GU22103769	0.325	1.5	0.0134	0.032	0.0332	146	65	1	50	48	0.16	<10	<-0.5	<-2	1.35	2.9	4	9	1.45	<10	0.1	<10	0.36	259	2	0.01	4	260	0.01	1	<-20	<-0.01	<10	<10	4	<10	0.02
El Sombrero	241064	Channel	2.00	389012	3419026	572	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.013	0.5	0.0054	0.0026	0.0118	43	5	1	70	111	0.9	<10	0.5	<-2	1.51	0.5	12	5	3.9	<10	0.22	20	0.34	266	4	0.12	20	1010	0.04	2	<-20	<-0.01	<10	<10	12	<10	0.04
El Sombrero	241065	Channel	1.70	389012	3419029	573	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.005	0.3	0.004	0.0015	0.0119	19	3	1	80	121	1.03	<10	<-0.5	<-2	4.64	0.7	10	6	3.57	<10	0.18	20	0.45	409	3	0.08	16	630	0.05	2	<-20	<-0.01	<10	<10	14	<10	0.03
El Sombrero	241066	Channel	1.50	389002	3419025	575	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.005	0.6	0.004	0.0018	0.0087	20	4	1	50	124	0.55	10	<-0.5	<-2	4.35	0.9	10	3	3.22	<10	0.18	10	0.4	245	4	0.24	16	640	0.15	1	<-20	<-0.01	<10	<10	8	<10	0.03
El Sombrero	241067	Channel	1.60	389000	3419029	577	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.006	0.6	0.0029	0.0018	0.0093	23	4	1	80	120	0.5	<10	<-0.5	<-2	4.71	1.9	8	3	2.91	<10	0.25	20	0.36	194	4	0.46	17	490	0.09	1	<-20	<-0.01	<10	<10	8	<10	0.05
El Sombrero	241068	Channel	1.40	389005	3419031	578	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	<0.005	0.4	0.0038	0.0018	0.0067	22	<-2	<-1	60	131	0.49	<10	<-0.5	<-2	3.29	0.6	10	5	3.36	<10	0.14	10	0.17	617	5	0.09	16	1070	0.04	2	<-20	<-0.01	<10	<10	10	<10	0.03
El Sombrero	241069	Channel	1.80	389008	3419035	583	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secuencia is NW 72 SE with a dip of 28 to 30 SW	GU22103769	<0.005	0.4	0.0036	0.0012	0.0079	22	3	1	60	172	0.44	<10	<-0.5	<-2	4.7	0.7	8	4	2.64	<10	0.14	10	0.14	663	4	0.15	15	510	0.07	1	<-20	<-0.01	<10	<10	6	<10	0.02



El Sombrero	241070	Channel	1.60	389007	3419035	561	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secence is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.008	0.5	0.0018	0.0012	0.0076	148	4	<-1	70	149	0.38	<-10	<-0.5	<-2	3.29	4.1	5	2	2.56	<-10	0.18	20	0.34	390	4	0.06	14	640	0.04	2	<-20	<-0.01	<-10	<-10	4	<-10	0.02
El Sombrero	241071	Channel	1.80	388998	3419035	562	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secence is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.008	0.4	0.0036	0.0023	0.0119	33	5	1	70	133	0.56	10	<-0.5	<-2	1.17	1.7	8	2	3.69	<-10	0.22	20	0.13	298	8	0.13	22	850	0.18	2	<-20	<-0.01	<-10	<-10	5	<-10	0.04
El Sombrero	241072	Channel	1.45	388999	3419033	562	WGS 84	12	The samples collected in stream cut of more than 20 meters high and approximately 80 meters long in a strongly folded and fractured section constituted by interstratification of siltstones, sandy siltstones and sandstones, the folding and cracking being more intense in the siltstones making this highlight more the sandstones horizons. The limes behave in a lenticular way most of the time, these sandstones sometimes have a gray color with light green tones and high silicification while the siltstones horizons are cream colored generally with brown orange and cream tones the mineralization observed it is of goethitic, hematitic and jarositic oxides in different concentrations, mainly in the sandstones, they are generally accompanied by veinlets and fine threads of quartz faith that cut and follow the stratification planes, the sandstones horizons present scattered and partially oxidized and leached syngenetic pyrite at moderate to strong sericite quartz alteration with local silicified sections mainly in sandstones horizons, the general strike of the stratigraphic secence is NW 72 SE with a dip of 28 to 30 SW	GU22103769	0.006	0.4	0.0043	0.002	0.0123	26	5	1	60	167	0.59	<-10	<-0.5	<-2	1.49	2.6	11	2	3.58	<-10	0.2	20	0.2	360	5	0.08	27	840	0.1	1	<-20	<-0.01	<-10	<-10	5	<-10	0.03
El Sombrero	241073	Channel	1.00	389064	3418848	557	WGS 84	12	Cross sectional sample of metasediments with thin laminar stratification of siltstones sandstones and sandstones showing jarositic goethitic oxidation impregnating the rock in stratification planes, leached sulfides of one percent quartz veinlets alteration quartz sericite moderate to strong	HE22119280	<0.005	0.3	0.0012	0.001	0.0092	91	3	<-1	80	60	0.32	<-10	<-0.5	<-2	4.26	2.4	6	3	1.79	<-10	0.15	10	0.18	453	3	0.02	13	340	<0.01	1	<-20	<-0.01	<-10	<-10	7	<-10	0.02
El Sombrero	241074	Channel	1.60	389061	3418859	560	WGS 84	12	Sample taken in stream bed in intensely folded metasediments with nodular structures due to the folding dark gray to black color probably of organic material the rock have partially oxidized sulfides of pyrite from one to low percent oxides of goethite, jarosite and hematite impregnating the rock alteration quartz sericite moderate to strong and argillisation weak	HE22119280	<0.005	0.5	0.0016	0.0009	0.0102	69	2	<-1	140	129	0.24	<-10	<-0.5	<-2	6.25	2.6	5	5	2.15	<-10	0.11	10	0.12	934	3	0.02	14	370	0.03	1	<-20	<-0.01	<-10	<-10	9	<-10	0.02
El Sombrero	241075	Channel	2.00	389067	3418870	557	WGS 84	12	Sample taken in stream bed in intensely folded metasediments with nodular structures due to the folding dark gray to black color probably of organic material the rock have partially oxidized sulfides of pyrite from one to low percent oxides of goethite, jarosite, and hematite impregnating the rock alteration quartz sericite moderate to strong and argillisation weak	HE22119280	0.008	0.7	0.0024	0.0011	0.0102	84	4	<-1	70	160	0.43	<-10	<-0.5	<-2	7.7	0.7	7	3	3.21	<-10	0.21	10	0.18	267	4	0.01	29	490	0.02	2	<-20	<-0.01	<-10	<-10	10	<-10	0.05
El Sombrero	241076	Channel	1.40	389059	3418959	554	WGS 84	12	Same sequence of siltstones, sandy siltstones and occasional interbedded sandstone with goethitic and jarositic oxides in cavities, fine quartz strings following the bedding planes with predominance of jarosite and goethite, alteration sericite quartz strong and silicification in sandstones horizons	HE22119280	<0.005	0.4	0.0044	0.0015	0.022	79	2	<-1	80	178	1.16	<-10	0.5	<-2	6.3	3.1	7	6	2.89	<-10	0.27	10	0.65	398	5	0.01	19	520	<0.01	2	<-20	<-0.01	<-10	<-10	18	<-10	0.06
El Sombrero	241077	Channel	1.00	389055	3418995	556	WGS 84	12	Same sequence of siltstones, sandy siltstones and occasional interbedded sandstone with goethitic and jarositic oxides in cavities, fine quartz strings following the bedding planes with predominance of jarosite and goethite, alteration sericite quartz strong and silicification in sandstones horizons	HE22119280	<0.005	0.2	0.0029	0.0016	0.0113	35	3	<-1	110	124	0.74	<-10	<-0.5	<-2	4.06	2.1	11	6	2.71	<-10	0.18	10	0.32	456	2	0.02	19	460	0.01	1	<-20	<-0.01	<-10	<-10	13	<-10	0.03
El Sombrero	241078	Channel	2.00	389070	3418990	554	WGS 84	12	Sample collected in light gray fine grained sandstone with light green tones shows stockwork of quartz veinlets moderate jarosite and goethite in fractures one percent of leach sulfides strong silicification	HE22119280	<0.005	0.5	0.0021	0.0011	0.0115	42	3	<-1	70	220	0.47	<-10	<-0.5	<-2	8.5	0.9	5	3	2.35	<-10	0.19	10	0.26	335	2	0.02	10	490	0.02	2	<-20	<-0.01	<-10	<-10	7	<-10	0.03
El Sombrero	241079	Channel	1.40	389084	3419015	552	WGS 84	12	Same sequence of siltstones, sandy siltstones and occasional interbedded sandstone with goethitic and jarositic oxides in cavities, fine quartz strings following the bedding planes with predominance of jarosite and goethite, alteration sericite quartz strong and silicification in sandstones horizons	HE22119280	<0.005	0.5	0.0021	0.001	0.0089	53	2	<-1	70	163	0.41	<-10	<-0.5	<-2	7.8	1	5	2	2.12	<-10	0.14	10	0.2	535	3	0.02	10	490	0.01	2	<-20	<-0.01	<-10	<-10	7	<-10	0.01
El Sombrero	241081	Channel	1.60	388991	3419052	566	WGS 84	12	Vetiform structure 1.60 meter wide, strike NE35 and dipping 60 to the SE perpendicular to the stratification planes of the sequence, which are observed to be intensely folded with strike of SE37 with dip of 57 SW the structure is made up of quartz with cavities filled with jarosite, goethite and hematite and sometimes has a saccharoid texture with strong internal deformation	HE22119280	0.026	0.4	0.0028	0.0008	0.0068	574	<-2	<-1	50	79	0.36	<-10	<-0.5	<-2	2.27	<-0.5	4	8	2.16	<-10	0.11	10	0.17	580	7	0.02	9	390	<0.01	2	<-20	<-0.01	<-10	<-10	9	<-10	0.34
El Sombrero	241082	Channel	1.00	388992	3419070	575	WGS 84	12	Same structure of the previous sample located in the upper part of the stream with a thickness of 1.0 meters wide with NE85 strike and dipping from 49 SE in general it presents the same texture and mineralization characteristic of the previous sample with decreased oxide content	HE22119280	<0.005	0.5	0.0006	0.0012	0.0012	70	<-2	<-1	2350	1550	0.04	<-10	<-0.5	<-2	17.9	0.6	1	3	1.4	<-10	0.01	10	0.1	684	3	0.02	1	150	0.06	1	<-20	<-0.01	<-10	<-10	2	<-10	0.05
El Sombrero	241083	Channel	0.60	388984	3419058	567	WGS 84	12	Sample taken in a quartz mantle encased in sandy siltstones wich are located below the quartz mantle, the mantle contains goethitic and jarositic oxides filling behind cavities of carbonates in films, siltstones contain jarositic and goethitic oxides with moderate to strong sericite quartz alteration	HE22119280	0.007	0.2	0.0011	0.0013	0.0036	429	<-2	<-1	40	42	0.17	<-10	<-0.5	<-2	1.93	<-0.5	2	7	1.5	<-10	0.09	10	0.05	345	4	0.03	6	330	<0.01	2	<-20	<-0.01	<-10	<-10	3	<-10	0.04
El Sombrero	241084	Channel	0.70	388980	3419068	560	WGS 84	12	Sample taken in mineralized mantle eroded in the stream bed showing sandy siltstones below wich show stockwork of quartz veinlets and jarositic goethitic oxides and a lesser extent hematitic. Alteration strong silicification strike NW60 dip 30 SW	HE22119280	0.018	0.7	0.0006	0.0048	0.0063	694	<-2	<-1	2210	907	0.18	<-10	<-0.5	<-2	15.3	1	2	2	2.65	<-10	0.07	10	0.1	841	3	0.03	6	680	0.04	4	<-20	<-0.01	<-10	<-10	4	<-10	0.09
El Sombrero	241085	Channel	1.80	388970	3419070	562	WGS 84	12	Siltstones and sandy siltstones from upper mantle mineralized predominantly with goethitic and jarositic oxides accompanied by fine quartz veinlets. Alteration moderate quartz sericite incipient silicification	HE22119280	0.005	0.4	0.0026	0.0014	0.0115	63	4	<-1	110	226	0.46	10	<-0.5	<-2	4.08	2.6	6	2	2.67	<-10	0.2	20	0.73	410	4	0.09	14	840	0.02	1	<-20	<-0.01	<-10	<-10	6	<-10	0.03
El Sombrero	241086	Channel	2.00	388970	3419070	562	WGS 84	12	Siltstones and sandy siltstones from upper mantle mineralized predominantly with goethitic and jarositic oxides accompanied by fine quartz veinlets. Alteration moderate quartz sericite incipient silicification	HE22119280	0.009	0.3	0.0042	0.0017	0.0094	319	5	<-1	70	147	0.54	<-10	<-0.5	<-2	0.73	1.4	9	2	3.41	<-10	0.22	20	0.21	286	4	0.06	20	720	0.12	1	<-20	<-0.01	<-10	<-10	7	<-10	0.04
El Sombrero	241087	Channel	1.30	388970	3419070	562	WGS 84	12	Siltstones and sandy siltstones from upper mantle mineralized predominantly with goethitic and jarositic oxides accompanied by fine quartz veinlets. Alteration moderate quartz sericite incipient silicification	HE22119280	0.008	0.4	0.0035	0.0016	0.009	990	4	<-1	80	120	0.44	<-10	<-0.5	<-2	1.7	1.3	9	3	3.24	<-10	0.19	20	0.26	475	4	0.03	20	940	<0.01	2	<-20	<-0.01	<-10	<-10	7	<-10	0.04
El Sombrero	241088	Channel	1.80	388946	3419095	578	WGS 84	12	Intensely folded quartz structure with strongly embedded sandstone fragments jarosite, goethitic oxides in lesser proportion hematitic, copper carbonate films locally	HE22119280	<0.005	0.2	0.003	0.0013	0.0045	234	3	<-1	60	52	0.24	<-10	<-0.5	<-2	1.32	0.7	5	7	1.73	<-10	0.15	10	0.05	283	3	0.02	8	460	<0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	0.02
El Sombrero	241089	Channel	2.00	388941	3419108	577	WGS 84	12	Sandy siltstones and siltstones with goethitic, jarositic local hematitic oxides accompanied by quartz veinlets. Alteration moderate sericite quartz moderate silicification the strike in the sedimentary secence is NW40 with 35 SW dip	HE22119280	0.006	0.3	0.0036	0.0014	0.0092	242	2	<-1	90	67	0.34	<-10	<-0.5	<-2	3.06	0.9	8	4	2.95	<-10	0.23	20	0.11	406	3	0.02	12	580	<0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.03
El Sombrero	241090	Channel	1.30	388936	3419133	581	WGS 84	12	Sandy siltstones and siltstones with goethitic jarositic and local hematitic oxides accompanied by quartz veinlets. Alteration moderate sericite quartz veinlets. Alteration moderate silicification. The strike in la sedimentary secence is NW 40 and dip 35 SW	HE22119280	<0.005	0.3	0.0036	0.0007	0.0045	46	<-2	<-1	290	111	0.6	<-10	0.5	<-2	3.17	<-0.5	6	1	2.05	<-10	0.26	10	0.2	430	3	0.03	8	710	<0.01	2	<-20	<-0.01	<-10	<-10	8	<-10	0.01
El Sombrero	241091	Chip	1.20 x 1.75	388928	3419261	591	WGS 84	12	Chip sample in continuation of the structure of the stream or La Tortuga with the same alteration and mineralization characteristic	HE22119280	0.010	0.3	0.0008	0.0005	0.0108	2350	4	<-1	190	81	0.14	<-10	<-0.5	<-2	5.47	0.5	5	9	2.97	<-10	0.05	10	0.11	1360	4	0.04	14	600	<0.01	5	<-20	<-0.01	<-10	<-10	6	<-10	0.17
El Sombrero	241092	Chip	1.15 x 1.30	388926	3419267	592	WGS 84	12	Chip sample in continuation of the structure of the stream or La Tortuga with the same alteration and mineralization characteristic	HE22119280	0.013	0.4	0.0012	0.0007	0.0091	1415	3	<-1	40	32	0.17	<-10	<-0.5	<-2	0.87	<-0.5	4	8	1.83	<-10	0.06	10	0.04	481	2	0.04	9	450	<0.01	3	<-20	<-0.01	<-10	<-10	4	<-10	0.06
El Sombrero	241093	Chip	1.40 x 1.50	388928	3419299	593	WGS 84	12	Sample collected in a small trench carved in a quartz structure with jarosite goethite is correlatable with samples 241013, 014, 015 y 016 structure of Turtle	HE22119280	0.020	0.6	0.0012	0.0009	0.0034	1260	<-2	<-1	50	38	0.17	<-10	<-0.5	<-2																							

El Sombrero	241099	Dump	2.00 x 2.00	388853	3419535	616	WGS 84	12	Hand sample of waste from old mining work to follow the vein of the TOURTLE	HE22119280	19.650	3.6	0.0039	0.0047	0.0051	960	-2	-1	100	37	0.25	<10	<0.5	-2	1.84	<0.5	5	6	2.3	<10	0.14	10	0.05	620	3	0.02	7	450	<0.01	2	<20	<0.01	<10	<10	9	<10	1.05
El Sombrero	241101	Channel	0.60	386934	3420040	652	WGS 84	12	Light gray/white quartz vein (1617°/562°W/45cm) with a medium to high content of Fe, Cu, Pb and As sulfides, and its respective leaching oxides and carbonates. Alternation of fine-grained sandstone of moderate silicification/sericite and phyllites.	GU22103769	0.272	161	0.118	0.427	0.0328	976	285	1	30	21	0.13	<10	<0.5	-2	2.02	10.9	2	12	0.94	<10	0.08	<10	0.03	174	4	0.02	6	110	0.03	<1	<20	<0.01	<10	<10	6	<10	0.1
El Sombrero	241102	Channel	1.00	386925	3420050	655	WGS 84	12	Extension of 241101. No defined width but orientation of 286°/N75°E. Selective sample collected from old, shallow ditch.	GU22103769	8.080	149	0.839	0.662	0.1025	1730	217	1	30	38	0.11	<10	<0.5	3	2.94	50.5	5	13	2.4	<10	0.06	<10	0.03	535	21	0.01	7	260	0.04	1	<20	<0.01	<10	<10	15	<10	0.55
El Sombrero	241103	Channel	1.00	386897	3420066	652	WGS 84	12	Northwesternmost extension of 241101. Selective sample.	GU22103769	0.175	67	0.338	0.321	0.0159	269	49	<1	20	14	0.06	<10	<0.5	2	0.44	4.2	2	14	1.18	<10	0.03	<10	0.02	112	11	0.01	5	70	0.11	<1	<20	<0.01	<10	<10	3	<10	1.17
El Sombrero	241104	Channel	0.50	386936	3419925	607	WGS 84	12	2 dark gray quartz veins (145°/573°W/11cm) with an abundant content of Fe, Cu, Zn, As and S sulfides. Intercalation of fine-grained sandstone of moderate silicification/sericite and phyllites as host rock. Structures sub-parallel of bedding and foliation.	GU22103769	4.250	733	3.6	0.1625	0.1205	1700	>10000	1	110	56	0.43	10	<0.5	6	2.9	238	13	12	2.23	<10	0.15	10	0.17	410	14	0.02	19	370	0.03	2	<20	<0.01	<10	30	28	<10	0.01
El Sombrero	241105	Channel	0.80	386936	3419928	610	WGS 84	12	Set of white/light gray quartz veins (106°/584°W/3cm) cutting the the intercalation of fine-grained sandstone of weak silicification/moderate sericite and phyllites.	GU22103769	0.136	11.6	0.0887	0.0394	0.0234	336	39	1	90	18	0.71	<10	<0.5	-2	0.36	3.4	4	6	2.24	<10	0.24	20	0.23	685	2	0.02	9	450	0.01	1	<20	0.01	<10	<10	11	<10	0.07
El Sombrero	241106	Channel	1.70	386928	3419928	612	WGS 84	12	Union zone of 2 veining systems of abundant content of Fe, Cu, Pb, Zn and As sulfides, and their respective leaching oxides and carbonates. Multiple foliation-parallel (such as Los Murcielagos vein) and foliation-cut quartz veins (such as 241105) forming an oval-shaped structure of light gray quartz (157°/554°W/2.3cm) at its intersection.	GU22103769	1.460	226	1.395	1.44	0.162	6510	95	1	80	58	0.26	<10	<0.5	12	2.78	42.4	6	5	4.54	<10	0.12	10	0.06	641	27	0.02	14	400	0.05	1	<20	<0.01	<10	10	7	<10	2.09
El Sombrero	241107	Channel	0.70	386934	3419950	617	WGS 84	12	Possible trace of Los Murcielagos' down-side branch, consists in chips of light gray quartz with abundant sulfides of Fe, Cu, Pb and Zn, and their respective leaching oxides. Intercalation of fine-grained sandstone and phyllites as host rock.	GU22103769	0.245	29	0.139	0.1175	0.0346	264	89	1	40	26	0.15	<10	<0.5	-2	1.22	6.1	2	15	0.72	<10	0.1	<10	0.03	251	4	0.01	4	130	0.02	<1	<20	<0.01	<10	<10	13	<10	0.27
El Sombrero	241108	Channel	1.00	386976	3420071	668	WGS 84	12	White quartz-filled structure with a low to medium content of Fe and Cu sulfides, and low content of Cu carbonates. Fine-grained sandstone of weak silicification/moderate sericite. Apparent orientation of ~295° and width of ~20cm. Selective sample collected from an old, shallow ditch.	GU22103769	0.007	0.8	0.0112	0.0019	0.0056	99	3	1	130	56	0.07	<10	<0.5	-2	4.17	0.7	4	11	3.26	<10	0.04	<10	0.07	1475	3	0.01	2	90	0.01	1	<20	<0.01	<10	<10	20	<10	0.01
El Sombrero	241109	Channel	0.90	387033	3420065	672	WGS 84	12	2 white quartz veins (148°/584°W/3.8cm) with a low content of Fe oxides. Fine-grained sandstone of moderate silicification/sericite as host rock. Structures sub-parallel of bedding.	GU22103769	0.005	0.9	0.0083	0.007	0.0039	61	-2	1	90	10	0.25	<10	<0.5	-2	0.28	<0.5	4	7	1.91	<10	0.16	20	0.03	555	2	0.03	3	310	<0.01	1	<20	<0.01	<10	<10	7	<10	0.02
El Sombrero	241110	Channel	1.10	386872	3420005	625	WGS 84	12	Zone of intense veining along of old and shallow ditch. White quartz as main filler, a low to high content of Fe and Cu oxides, and low Cu carbonates. Fine-grained sandstone of weak silicification/moderate sericite, and phyllites, which presents high content of oxidized syngenetic pyrite. Preferential orientation of 136°/543°W. Porphyritic intrusive at the down-side.	GU22103769	0.432	3.9	0.0085	0.006	0.0368	>10000	9	1	160	103	0.41	<10	<0.5	-2	2.69	3.3	13	4	2.93	<10	0.18	10	0.1	560	5	0.02	22	430	0.01	2	<20	<0.01	<10	10	10	<10	0.23
El Sombrero	241111	Channel	0.70	386864	3420015	625	WGS 84	12	Zone of intense veining along of old and shallow ditch with multiple white quartz-filled structures (147°/521°W/2.1cm) of low to moderate content of Fe and Cu oxides, and low Cu carbonates. Fine-grained sandstone of weak silicification/moderate sericite, and phyllites, which presents high content of oxidized syngenetic pyrite.	GU22103769	0.015	0.5	0.0052	0.0029	0.0081	114	-2	<1	20	4	0.11	<10	<0.5	-2	0.08	1	1	12	0.59	<10	0.03	<10	0.03	98	<1	0.01	5	40	<0.01	<1	<20	<0.01	<10	<10	3	<10	0.06
El Sombrero	241112	Channel	0.50	386861	3419952	615	WGS 84	12	White/light gray quartz veinlet (117°/534°W/9cm) emplaced in phyllites. Low to high content of Fe and Pb oxides.	GU22103769	0.006	1	0.0031	0.0261	0.0118	76	-2	<1	40	16	0.16	<10	<0.5	-2	0.11	1.5	2	12	1.09	<10	0.07	10	0.03	113	2	0.01	6	160	0.05	<1	<20	<0.01	<10	<10	4	<10	0.61
El Sombrero	241113	Channel	1.50	386865	3419903	616	WGS 84	12	NW-SE oriented trace of white quartz-filled structure of low content of Fe oxides. Medium to coarse grained sandstone of moderate silicification/sericite, which is sandwiched by weakly-sericite/phyllites. Selective sample.	GU22103769	<0.005	<0.2	0.0009	0.0011	0.0007	85	-2	<1	40	3	0.08	<10	<0.5	-2	0.05	<0.5	1	12	0.42	<10	0.02	<10	0.02	234	<1	0.01	1	30	<0.01	<1	<20	<0.01	<10	<10	2	<10	0.02
El Sombrero	241114	Channel	1.80	386922	3419724	589	WGS 84	12	Set of white quartz veinlets (132°/568°W/4cm and 265°/N86°W/2cm). It looks like stockwork emplaced in a fine-grained sandstone of moderate silicification/sericite.	GU22103769	<0.005	<0.2	0.0009	0.0008	0.0014	26	-2	<1	80	12	0.2	<10	<0.5	-2	0.16	<0.5	2	9	0.86	<10	0.04	10	0.04	403	1	0.08	3	260	0.01	1	<20	<0.01	<10	<10	3	<10	0.01
El Sombrero	241115	Channel	1.00	386909	3419684	587	WGS 84	12	White quartz vein (286°/N64°E) with a medium content of Fe oxides. Medium to coarse grained sandstone of moderate silicification/sericite.	GU22103769	<0.005	<0.2	0.001	0.0005	0.0007	29	-2	<1	20	3	0.04	<10	<0.5	-2	0.01	<0.5	1	12	1.21	<10	0.01	<10	0.01	169	2	0.01	2	30	<0.01	<1	<20	<0.01	<10	<10	1	<10	<0.01
El Sombrero	241116	Channel	1.50	386707	3419785	585	WGS 84	12	3 white quartz veinlets (305°/N79°E/4.4cm and 272°/N83°E/4.4cm) with a low to medium content of Fe oxides. Medium-coarse grained sandstone of moderate silicification/sericite.	GU22103769	<0.005	<0.2	0.0008	0.001	0.0022	19	-2	<1	60	10	0.17	<10	<0.5	-2	0.11	<0.5	3	9	0.83	<10	0.05	10	0.02	248	1	0.05	3	180	<0.01	<1	<20	<0.01	<10	<10	2	<10	0.01
El Sombrero	241117	Selective	0.50	386709	3419790	588	WGS 84	12	Southeastern extension of 240801. Selective sample.	GU22103769	<0.005	<0.2	0.0006	0.0004	0.0038	12	-2	<1	30	4	0.04	<10	<0.5	-2	0.05	<0.5	1	12	1.1	<10	0.01	<10	0.01	173	1	0.01	2	90	<0.01	<1	<20	<0.01	<10	<10	2	<10	0.01
El Sombrero	241118	Channel	0.50	386697	3419797	589	WGS 84	12	White quartz vein (110°/568°W/2.3cm) with a medium content of Fe oxides. Medium-grained sandstone of moderate silicification/sericite.	GU22103769	0.008	0.4	0.0044	0.0041	0.0219	43	-2	<1	30	6	0.09	<10	<0.5	-2	0.05	0.6	8	10	1.03	<10	0.01	<10	0.01	207	<1	0.03	5	150	<0.01	<1	<20	<0.01	<10	<10	2	<10	0.01
El Sombrero	241119	Channel	1.00	386689	3419809	588	WGS 84	12	Set of white quartz veins (135°/587°W/2cm) with a very low content of Fe oxides. It is emplaced in a medium-grained sandstone of moderate silicification/sericite (high as patches).	GU22103769	0.005	<0.2	0.0008	0.0008	0.0023	25	-2	<1	60	13	0.22	<10	<0.5	-2	0.06	<0.5	4	7	1.29	<10	0.04	10	0.02	445	2	0.08	3	210	0.01	1	<20	0.01	<10	<10	6	<10	0.01
El Sombrero	241121	Channel	1.10	386828	3419701	582	WGS 84	12	Set of white quartz-filled structures (333°/N72°E/2.1cm) with a low to moderate content of Fe oxides. Medium-grained sandstone of moderate silicification/sericite (high as halos) as host rock. Sample collected from an old, shallow ditch. Possible extension of 240893.	GU22103769	<0.005	<0.2	0.0004	0.0016	0.0014	6	-2	<1	100	8	0.12	<10	<0.5	-2	0.04	<0.5	2	10	1.23	<10	0.02	10	0.02	639	<1	0.03	2	60	<0.01	1	<20	<0.01	<10	<10	3	<10	0.07
El Sombrero	241122	Selective	1.00	386816	3419729	593	WGS 84	12	NW-bound extension of 241121. Selective sample.	GU22103769	<0.005	<0.2	0.0003	0.0004	0.0005	7	-2	<1	10	2	0.02	<10	<0.5	-2	0.02	<0.5	1	12	0.54	<10	0.01	<10	<0.01	116	<1	0.01	1	10	<0.01	<1	<20	<0.01	<10	<10	1	<10	0.01
El Sombrero	241123	Channel	0.90	386950	3419690	590	WGS 84	12	Set of white quartz veinlets (322°/N64°E/4cm) with a very low content of Fe oxides. Fine-grained sandstone of weak silicification/sericite (moderate as halos) as host rock, which is sandwiched by phyllite layers.	GU22103769	<0.005	<0.2	0.0011	0.0003	0.001	10	-2	<1	50	42	0.21	<10	<0.5	-2	0.82	<0.5	1	8	0.62	<10	0.02	10	0.07	392	1	0.08	1	230	<0.01	1	<20	<0.01	<10	<10	4	<10	<0.01
El Sombrero	241124	Channel	0.80	386971	3419675	584	WGS 84	12	Set of white quartz-filled structures (191°/N79°W/20cm) with a medium content of Fe oxides. Fine-grained sandstone of moderate silicification/sericite (high as halos) as host rock. Porphyritic body located at down-side contact of sample (possible delimitator).	GU22103769	0.007	0.3	0.0019	0.0041	0.009	126	-2	<1	70	38	0.11	<10	<0.5	-2	2.89	1	3																				

El Sombrero	241145	Channel	1.20	386997	3419555	585	WGS 84	12	Quasi stockwork of white quartz (322°/N78°E/4cm and 274°/N83°E/2cm; medium to high density of veinlets) with a low to medium content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification (high as halos).	GUJ2103769	<0.005	0.2	0.001	0.0015	0.0064	21	-2	<-1	60	37	0.3	<-10	<-0.5	<-2	1.26	0.8	3	8	1.33	<-10	0.03	10	0.13	583	<-1	0.05	5	310	<-0.01	1	<-20	<-0.01	<-10	<-10	<-10	5	<-10	0.02
El Sombrero	241146	Channel	1.90	387056	3419536	590	WGS 84	12	Set of >5 white quartz veinlets (320°/N85°E/2cm; medium density) with a low content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification.	GUJ2103769	<0.005	0.3	0.0007	0.0025	0.0043	19	-2	<-1	80	24	0.15	<-10	<-0.5	<-2	1.24	1.3	4	6	1.08	<-10	0.02	10	0.04	730	<-1	0.06	5	350	<-0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.02	
El Sombrero	241147	Channel	1.30	387051	3419532	589	WGS 84	12	Set of >4 white quartz veinlets (315°/N70°E/3cm; medium density) with a medium content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification; the quartz grains are mostly sub-rounded.	GUJ2103769	<0.005	0.2	0.0011	0.0013	0.0077	37	-2	<-1	200	17	0.24	<-10	<-0.5	<-2	0.24	2.5	8	9	1.56	<-10	0.02	10	0.05	1605	1	0.06	10	350	<-0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.01	
El Sombrero	241148	Channel	1.70	386943	3419549	571	WGS 84	12	Set of white quartz veinlets (320°/N85°E/7cm; medium density) with a low content of Fe oxides. Medium-grained sandstone of moderate sericitic/silicification. Outcrop looks like a small wedge within a phyllite horizon.	GUJ2103769	<0.005	<-0.2	0.0011	0.0008	0.0009	6	-2	<-1	70	14	0.19	<-10	<-0.5	<-2	0.28	<-0.5	3	12	0.83	<-10	0.02	10	0.06	388	<-1	0.08	4	320	<-0.01	2	<-20	0.01	<-10	<-10	7	<-10	0.01	
El Sombrero	241149	Selective	0.50	386992	3419446	577	WGS 84	12	White quartz alignment with a medium content of Fe oxides, which is related by a nearby quartz veinlet (336°/N79°E) emplaced in a fine-grained sandstone of weak-moderate sericitic/silicification.	GUJ2103769	<0.005	0.2	0.0018	0.0046	0.0039	52	-2	<-1	10	4	0.02	<-10	<-0.5	<-2	0.03	<-0.5	2	18	1.05	<-10	<-0.01	<-10	<-0.01	55	2	0.01	2	60	<-0.01	<-1	<-20	<-0.01	<-10	<-10	7	<-10	0.13	
El Sombrero	241150	Channel	1.90	387011	3419422	574	WGS 84	12	Set of white quartz veinlets (306°/N72°E/5cm; high density) with a low content of Fe oxides. Fine-grained sandstone of strong silicification and weak sericite; quartz grain shape is mostly sub-angular-sub-rounded.	GUJ2103769	<0.005	<-0.2	0.0003	0.0008	0.0013	11	-2	<-1	120	20	0.23	<-10	<-0.5	<-2	0.5	<-0.5	2	7	0.6	<-10	0.02	10	0.07	526	<-1	0.07	2	240	0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	0.01	
El Sombrero	241151	Chip	0.50 x 1.20	387025	3419434	579	WGS 84	12	Set of white quartz veinlets (302°/N75°E/3cm; medium density) with a low to medium content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification; a medium presence of oxidized syn-genetic pyrite.	GUJ2103769	<0.005	<-0.2	0.0002	0.0003	0.0006	13	-2	<-1	30	5	0.15	<-10	<-0.5	<-2	0.03	<-0.5	1	9	0.52	<-10	0.01	10	0.01	244	2	0.06	3	130	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01	
El Sombrero	241152	Chip	0.50 x 0.50	386964	3419457	575	WGS 84	12	Set of white quartz veinlets (130°/578°W/1cm; low density) with a low to medium (as halos) content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification. Selective sample from the quartz pebbles.	HE22119280	0.010	1.3	0.0021	0.0226	0.0035	28	5	<-1	20	7	0.05	<-10	<-0.5	4	0.05	<-0.5	1	14	0.81	<-10	0.01	10	0.02	114	1	<-0.01	1	110	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.81	
El Sombrero	241153	Channel	1.20	386911	3419398	563	WGS 84	12	Set of white quartz veinlets (104°/575°W/3cm; medium density) with a low to medium content of Fe oxides. Medium-grained sandstone of moderate sericitic/silicification.	HE22119280	<0.005	<-0.2	0.0008	0.0009	0.0025	10	-2	<-1	30	7	0.25	<-10	<-0.5	<-2	0.05	<-0.5	2	14	0.93	<-10	0.02	10	0.06	215	<-1	0.03	2	190	<-0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.01	
El Sombrero	241154	Floated	1.00	386882	3419428	569	WGS 84	12	Float extension of white quartz with a very low to low content of Fe oxides, having a probable extension of nearby structure (328°/N76°E/4cm). Fine to medium grained sandstone of moderate sericitic/silicification.	HE22119280	0.010	<-0.2	0.0003	0.0001	0.0004	6	-2	<-1	20	2	0.03	<-10	<-0.5	<-2	0.02	<-0.5	<-1	21	0.37	<-10	0.01	<-10	0.02	97	<-1	<-0.01	1	50	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01	
El Sombrero	241155	Channel	0.50	386885	3419400	566	WGS 84	12	Set of white quartz veinlets (327°/N72°E/5cm; high density) with a low content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification. Andesitic sill is located at up-side.	HE22119280	<0.005	<-0.2	0.0042	0.0004	0.0015	6	2	<-1	70	15	0.32	<-10	<-0.5	<-2	0.33	<-0.5	5	12	1.12	<-10	0.04	10	0.11	389	<-1	0.04	3	390	<-0.01	1	<-20	0.01	<-10	<-10	10	<-10	0.01	
El Sombrero	241156	Channel	0.70	386843	3419537	558	WGS 84	12	Set of white quartz veinlets (309°/N79°E/4cm; medium density) with a low content of Fe oxides, while Fe sulfides are filling total or partially some veinlets. Medium-grained sandstone of moderate sericitic/silicification. Fine-sized andesitic sill is located at up-side.	HE22119280	<0.005	<-0.2	0.0003	0.0009	0.0054	14	-2	<-1	40	6	1.03	<-10	<-0.5	<-2	0.04	<-0.5	3	10	2.64	<-10	0.07	10	0.23	472	<-1	0.03	3	90	<-0.01	1	<-20	<-0.01	<-10	<-10	8	<-10	<-0.01	
El Sombrero	241157	Chip	0.50 x 1.00	386854	3419582	566	WGS 84	12	Possible alignment of white quartz structure (162°/563°W/15cm) with a medium content of Fe oxides. Fine to medium-grained sandstone of moderate sericitic/silicification.	HE22119280	0.008	1.6	0.0033	0.0268	0.001	128	-2	<-1	10	5	0.03	<-10	<-0.5	3	0.02	<-0.5	2	13	1.29	<-10	<-0.01	<-10	0.02	73	1	<-0.01	1	40	0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.26	
El Sombrero	241158	Chip	0.50 x 1.00	386859	3419628	571	WGS 84	12	Set of white quartz veinlets (297°/N77°E/9cm; medium density) with a low content of Fe oxides. Medium-grained sandstone of moderate sericitic/silicification (strong as patches). Selective sample from the quartz-filled structures.	HE22119280	<0.005	<-0.2	0.0004	0.0001	0.0005	14	-2	<-1	20	3	0.03	<-10	<-0.5	<-2	0.03	<-0.5	1	23	0.39	<-10	0.01	<-10	0.01	116	<-1	0.01	1	80	0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01	
El Sombrero	241159	Chip	0.60 x 1.10	386770	3419549	570	WGS 84	12	Set of white quartz veinlets (147°/577°W/4cm; low density) with a low content of Fe oxides. Fine to medium grained sandstone of moderate sericitic/silicification (strong as patches). Possible southeastern extension ad 241161. structures.	HE22119280	<0.005	<-0.2	0.0005	0.0001	0.0008	3	-2	<-1	10	2	0.19	<-10	<-0.5	<-2	0.02	<-0.5	1	17	0.72	<-10	0.02	<-10	0.04	106	<-1	0.01	1	40	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	<-0.01	
El Sombrero	241161	Channel	0.50	386754	3419571	570	WGS 84	12	White quartz-filled structure (340°/N77°E/5cm - apparent measure) with a low content of Fe oxides and trace amount of Fe sulfides. Fine-grained sandstone of weak/moderate sericitic/silicification. Shale contact located at its down-side.	HE22119280	<0.005	<-0.2	0.0005	0.0003	0.0013	4	-2	<-1	10	2	0.04	<-10	<-0.5	<-2	0.01	<-0.5	1	18	0.43	<-10	0.01	<-10	0.01	112	<-1	0.01	1	10	0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01	
El Sombrero	241162	Chip	1.0 x 1.0	386745	3419583	572	WGS 84	12	Northwestern extension of 241161. Possible structure trace within an outcrop of sandstone of fine grain.	HE22119280	<0.005	<-0.2	0.0003	0.0001	0.0005	3	-2	<-1	10	1	0.02	<-10	<-0.5	<-2	0.01	<-0.5	<-1	20	0.31	<-10	0.01	<-10	<-0.01	58	<-1	0.01	<-1	20	0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01	
El Sombrero	241163	Chip	0.2 X 0.5	386694	3419611	565	WGS 84	12	Possible alignment of white quartz-filled structure (131°/583°W/10cm) with a low content of Fe oxides. Coarse-grained sandstone of moderate sericitic/silicification. Selective sample collected from the structures.	HE22119280	<0.005	<-0.2	0.0006	0.0026	0.0007	7	-2	<-1	10	2	0.11	<-10	<-0.5	<-2	0.02	<-0.5	1	16	0.6	<-10	0.01	<-10	0.02	130	1	0.01	1	50	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.07	
El Sombrero	241164	Chip	0.3 x 0.3	386635	3419641	565	WGS 84	12	White quartz veinlet (125°/584°W/5cm) with a low content of Fe oxides. Medium-grained sandstone of strong sericitic/silicification as host rock.	HE22119280	<0.005	<-0.2	0.0003	0.0003	0.0008	6	-2	<-1	30	3	0.09	<-10	<-0.5	<-2	0.03	<-0.5	1	16	0.52	<-10	0.01	<-10	0.01	184	<-1	0.03	2	70	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	<-0.01	
El Sombrero	241165	Channel	0.60	386674	3419611	561	WGS 84	12	Set of white quartz veinlets (325°/N77°E and 140°/581°W/2cm; presents a medium density and Y-shaped structures of crustiform aspect) with a low content of Fe oxides. Fine-grained sandstone of moderate sericitic/silicification as host rock. Sample re-collected from the outcrop at on creek bed.	HE22119280	<0.005	<-0.2	0.0004	0.0011	0.0044	10	-2	<-1	50	8	0.9	<-10	<-0.5	<-2	0.03	<-0.5	4	11	2.29	<-10	0.07	10	0.15	515	<-1	0.04	3	60	0.01	1	<-20	<-0.01	<-10	<-10	9	<-10	0.01	
El Sombrero	241166	Channel	2.00	386648	3419440	553	WGS 84	12	Set of white quartz veinlets (327°/N70°E/5cm; presenting a high density) with a low content of Fe oxides. Medium to coarse grained sandstone of strong silicification/sericite as host rock; grain shape exhibits a sub-angular-sub-rounded.	HE22119280	<0.005	<-0.2	0.0011	0.0012	0.0022	11	-2	<-1	70	12	0.27	<-10	<-0.5	<-2	0.04	<-0.5	2	9	0.85	<-10	0.03	10	0.02	255	1	0.08	3	350	0.02	1	<-20	<-0.01	<-10	<-10	5	<-10	0.02	
El Sombrero	241167	Channel	2.00	386651	3419448	555	WGS 84	12	Set of white quartz veinlets (128°/580°W/4cm; presenting a high density) with a moderate content of Fe oxides. Medium to coarse grained sandstone of strong silicification/sericite as host rock.	HE22119280	0.014	<-0.2	0.0032	0.0015	0.0026	58	-2	<-1	50	16	0.22	<-10	<-0.5	<-2	0.03	<-0.5	3	9	2.14	<-10	0.04	10	0.01	211	2	0.07	3	270	0.04	1	<-20	<-0.01	<-10	<-10	7	<-10	0.05	
El Sombrero	241168	Channel	1.90	386654	3419440	555	WGS 84	12	Set of white quartz veinlets (320°/N86°E/2cm; presenting a medium density) with a very low content of Fe oxides. Medium-grained sandstone of strong silicification/sericite as host rock.	HE22119280	<0.005	<-0.2	0.0005	0.0008	0.0018	13	-2	<-1	100	12	0.27	<-10	<-0.5	<-2	0.1	<-0.5	2	14	1.18	<-10	0.05	10	0.05	273	<-1	0.06	3	400	0.02	1	<-20	0.01	<-10	<-10	9	<-10	0.03	
El Sombrero	241169	Channel	1.90	386656	3419443	555	WGS																																									

El Sombrero	241211	Channel	2.00	389038	3419583	539	WGS 84	12	Chanel sample in brown to cream sandstones with oxides impregnating the rock and in cavities of quartz veinlets being preferably the jarosite and goethite and in a lesser proportion hematite iron carbonates in veinlets with quartz, tae quartz	HE22119280	0.011	-0.2	0.0009	0.0009	0.0038	1375	2	<-1	80	55	0.2	<-10	<-0.5	<-2	3.96	0.5	5	4	2.6	<-10	0.03	20	0.14	882	4	0.09	9	980	0.03	7	<-20	<-0.01	<-10	<-10	4	<-10	0.33
El Sombrero	241212	Channel	1.70	389041	3419585	639	WGS 84	12	Intensely fractured, folded sandstone partially crack brecciated, cemented by quartz iron oxides and iron carbonate strong quartz sericite	HE22119280	0.005	-0.2	0.0022	0.0009	0.0045	471	-2	<-1	60	36	0.24	<-10	<-0.5	<-2	1.66	<-0.5	5	4	1.75	<-10	0.08	20	0.08	439	7	0.08	9	780	0.03	3	<-20	<-0.01	<-10	<-10	4	<-10	0.02
El Sombrero	241213	Channel	2.00	389039	3419585	628	WGS 84	12	Intensely fractured, folded sandstone partially crack brecciated, cemented by quartz iron oxides and iron carbonate strong quartz sericite	HE22119280	<0.005	-0.2	0.0022	0.0014	0.0052	383	-2	<-1	100	24	0.29	<-10	<-0.5	<-2	0.74	0.5	5	6	1.82	<-10	0.13	20	0.04	505	3	0.06	11	710	0.03	2	<-20	<-0.01	<-10	<-10	6	<-10	0.01
El Sombrero	241214	Channel	2.00	389039	3419585	628	WGS 84	12	Intensely fractured, folded sandstone partially crack brecciated, cemented by quartz iron oxides and iron carbonate strong quartz sericite	HE22119280	0.008	-0.2	0.0019	0.0009	0.0041	1295	-2	<-1	70	62	0.23	<-10	<-0.5	<-2	3.47	<-0.5	6	4	2.85	<-10	0.07	20	0.1	1010	8	0.08	8	1030	0.03	4	<-20	<-0.01	<-10	<-10	5	<-10	0.11
El Sombrero	241215	Chip	2.00 x 2.00	389031	3419571	619	WGS 84	12	Intensely fractured, folded sandstone partially crack brecciated, cemented by quartz iron oxides and iron carbonate strong quartz sericite	HE22119280	<0.005	-0.2	0.0015	0.0007	0.0031	660	-2	<-1	80	46	0.25	<-10	<-0.5	<-2	1.73	<-0.5	4	4	1.95	<-10	0.06	20	0.08	675	4	0.09	8	1550	0.02	4	<-20	<-0.01	<-10	<-10	4	<-10	0.04
El Sombrero	241216	Chip	2.00 x 2.00	389042	3419575	625	WGS 84	12	Sample collected in sandstones with stockwork of quartz veinlets with jarositic goethitic and hematitic oxides occasionally impregnating the rock and following the veinlets walls of the veinlets moderate silicification	HE22151827	<0.005	0.2	0.0017	0.0008	0.0049	382	-2	<-1	120	35	0.24	<-10	<-0.5	<-2	1.04	0.6	4	8	1.79	<-10	0.08	20	0.07	731	7	0.06	8	1640	0.02	2	<-20	<-0.01	<-10	<-10	4	<-10	0.03
El Sombrero	241217	Chip	2.00 x 2.00	389038	3419571	625	WGS 84	12	Sample collected in sandstones with stockwork of quartz veinlets with jarositic goethitic and hematitic oxides occasionally impregnating the rock and following the veinlets walls of the veinlets moderate silicification	HE22151827	<0.005	-0.2	0.0039	0.001	0.0059	410	-2	<-1	70	22	0.33	<-10	<-0.5	<-2	0.35	<-0.5	5	8	2.01	<-10	0.12	20	0.05	347	3	0.07	8	840	0.02	2	<-20	<-0.01	<-10	<-10	8	<-10	0.03
El Sombrero	241218	Chip	2.00 x 1.50	388887	3418768	564	WGS 84	12	Light gray sandstone with reddish brown to cream tones, showing stockwork of quartz string and veinlets with goethitic, jarosite and hematitic oxides as well as cavities filled by the same type of oxides strong sericite quartz alteration and moderate silicification bed strike NE 15 dip 46 SW veinlets strike NW 60 and dip 64 sw	HE22151827	0.007	-0.2	0.0011	0.0022	0.0037	23	-2	<-1	50	27	0.21	<-10	<-0.5	<-2	1.05	<-0.5	3	15	0.95	<-10	0.02	10	0.04	792	1	0.07	3	290	0.02	2	<-20	<-0.01	<-10	<-10	5	<-10	0.02
El Sombrero	241219	Chip	2.70 x 0.80	388882	3418722	563	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	0.007	0.6	0.0008	0.0017	0.0151	27	-2	<-1	110	16	0.28	<-10	<-0.5	<-2	0.24	1	3	11	1.45	<-10	0.05	10	0.09	811	1	0.03	4	310	0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.02
El Sombrero	241221	Channel	1.80	388885	3418718	557	WGS 84	12	Sample taken in siltstones that encase the quartz structures which show strong folding which changes the dip of the layers from the NW to the NE causing the dips to vary until reaching the vertical changing to the SW strong sericite quartz alteration	HE22151827	0.008	0.2	0.0018	0.0013	0.0064	11	-2	1	320	30	1.16	<-10	0.5	<-2	0.28	<-0.5	8	3	3.54	<-10	0.32	40	0.28	1625	1	0.01	7	230	<0.01	2	<-20	<-0.01	<-10	<-10	10	<-10	0.04
El Sombrero	241222	Channel	1.00	388884	3418716	567	WGS 84	12	Sample taken in siltstones that encase the quartz structures which show strong folding which changes the dip of the layers from the NW to the NE causing the dips to vary until reaching the vertical changing to the SW strong sericite quartz alteration	HE22151827	0.005	0.2	0.0012	0.0014	0.0058	13	-2	1	250	28	0.8	<-10	<-0.5	<-2	0.33	<-0.5	7	4	2.72	<-10	0.19	30	0.23	1270	1	0.02	6	380	0.01	2	<-20	<-0.01	<-10	<-10	9	<-10	0.03
El Sombrero	241223	Channel	1.90	388882	3418714	567	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	0.161	-0.3	0.0004	0.0015	0.0042	11	-2	<-1	150	23	0.5	<-10	<-0.5	<-2	0.6	<-0.5	5	8	2.08	<-10	0.16	20	0.13	1150	1	0.04	3	230	0.02	2	<-20	<-0.01	<-10	<-10	5	<-10	0.06
El Sombrero	241224	Channel	2.00	388879	3418717	563	WGS 84	12	Sample taken in siltstones that encase the quartz structures which show strong folding which changes the dip of the layers from the NW to the NE causing the dips to vary until reaching the vertical changing to the SW strong sericite quartz alteration	HE22151827	0.006	-0.2	0.0012	0.0023	0.0059	15	-2	<-1	250	31	0.78	<-10	0.5	<-2	0.43	0.5	9	7	3.71	<-10	0.31	30	0.17	1805	2	0.01	6	260	0.01	2	<-20	<-0.01	<-10	<-10	8	<-10	0.05
El Sombrero	241225	Channel	1.50	388878	3418716	562	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	<0.005	0.3	0.0017	0.0017	0.0076	12	-2	<-1	270	43	0.99	<-10	<-0.5	<-2	1.38	0.5	7	4	3.22	<-10	0.14	20	0.27	1405	1	0.02	6	230	0.01	2	<-20	<-0.01	<-10	<-10	12	<-10	0.04
El Sombrero	241226	Channel	1.80	388889	3418721	559	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	0.012	-0.2	0.0007	0.0009	0.0032	29	-2	1	120	16	0.3	<-10	<-0.5	<-2	0.13	<-0.5	3	8	1.34	<-10	0.05	10	0.08	619	1	0.05	4	220	0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.02
El Sombrero	241227	Channel	2.00	388888	3418721	558	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	0.013	-0.2	0.0006	0.0008	0.0018	28	-2	<-1	150	25	0.27	<-10	<-0.5	<-2	0.54	<-0.5	3	8	1.47	<-10	0.04	10	0.08	969	2	0.07	3	250	0.01	2	<-20	<-0.01	<-10	<-10	3	<-10	0.02
El Sombrero	241228	Channel	2.00	388888	3418712	559	WGS 84	12	Sample taken in siltstones that encase the quartz structures which show strong folding which changes the dip of the layers from the NW to the NE causing the dips to vary until reaching the vertical changing to the SW strong sericite quartz alteration	HE22151827	0.011	0.7	0.0013	0.0017	0.0062	30	-2	<-1	240	28	0.92	<-10	<-0.5	<-2	0.23	<-0.5	5	3	3.58	<-10	0.27	30	0.28	1425	2	0.01	7	210	0.01	1	<-20	<-0.01	<-10	<-10	8	<-10	0.14
El Sombrero	241229	Channel	1.20	388886	3418716	560	WGS 84	12	Light gray sandstone with reddish brown to cream tones, showing stockwork of quartz string and veinlets with goethitic, jarosite and hematitic oxides as well as cavities filled by the same type of oxides, strong sericite quartz alteration and moderate silicification	HE22151827	0.013	0.3	0.0005	0.001	0.0029	10	-2	<-1	140	19	0.35	<-10	<-0.5	<-2	0.38	<-0.5	3	10	1.67	<-10	0.1	10	0.08	1175	1	0.04	2	190	0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
El Sombrero	241230	Channel	2.00	388828	3418775	572	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	<0.005	-0.2	0.003	0.0003	0.0009	14	-2	1	40	13	0.28	<-10	<-0.5	<-2	0.13	<-0.5	3	12	0.98	<-10	0.03	10	0.11	332	1	0.05	2	410	0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.02
El Sombrero	241231	Channel	1.40	388828	3418775	572	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	<0.005	0.2	0.0019	0.0012	0.0023	12	-2	<-1	50	12	0.36	<-10	<-0.5	<-2	0.37	<-0.5	2	10	1.01	<-10	0.05	20	0.08	343	1	0.07	2	380	<0.01	1	<-20	0.01	<-10	<-10	5	<-10	0.03
El Sombrero	241232	Channel	2.00	388816	3418811	586	WGS 84	12	Sample taken in a quartz structure coinciding with the stratification planes containing strong oxides of jarosite, goethite and a lesser extent hematite	HE22151827	0.013	-0.2	0.0004	0.0015	0.0039	93	-2	<-1	50	36	0.22	<-10	<-0.5	<-2	1.74	<-0.5	2	13	1.15	<-10	0.03	10	0.05	801	1	0.06	2	450	0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	0.01
El Sombrero	241233	Channel	2.00	388818	3418759	580	WGS 84	12	Light gray sandstone with reddish brown to cream tones, showing stockwork of quartz string and veinlets with goethitic, jarosite and hematitic oxides as well as cavities filled by the same type of oxides, strong sericite quartz alteration and moderate silicification	HE22151827	0.005	-0.2	0.0006	0.0017	0.0033	51	-2	<-1	50	14	0.28	<-10	<-0.5	<-2	0.16	<-0.5	2	17	1.01	<-10	0.02	20	0.04	408	<1	0.09	3	280	0.01	2	<-20	0.01	<-10	<-10	4	<-10	0.01
El Sombrero	241234	Channel	2.00	388729	3418700	563	WGS 84	12	Light gray sandstones with reddish brown to cream tones, showing stockwork of quartz strings and veinlets with goethitic, jarosite and hematitic oxides as well as cavities filled by the same type of oxides, strong sericite quartz alteration and moderate silicification	HE22151827	<0.005	-0.2	0.0032	0.0003	0.0013	7	-2	<-1	90	10	0.24	<-10	<-0.5	<-2	0.2	<-0.5	3	13	1.11	<-10	0.04	10	0.09	378	1	0.06	2	200	0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.01
El Sombrero	241235	Channel	2.00	388798	3418589	545	WGS 84	12	Dark brown sandy sandstones and siltstones with stockwork of fine quartz veinlets and quartz plus goethitic oxides jarositic and local hematite leached sulfides, moderate sericite quartz alteration weak silicification	HE22151827	<0.005	0.3	0.0012	0.0023	0.0074	8	-2	1	190	131	1.07	<-10	0.5	<-2	4.04	<-0.5	11	65	3.09	<-10	0.25	30	0.85	1695	1	0.04	22	960	0.01	6	<-20	<-0.01	<-10	<-10	34	<-10	0.01
El Sombrero	241236	Channel	1.70	388772	3418619	551	WGS 84	12	Dark brown sandy sandstones and siltstones with stockwork of fine quartz veinlets and quartz plus goethitic																																						

La Republicana	241463	Channel	0.40	383467	3425025	799	WGS 84	12	Gray meta-rhyolites with coarse-grained texture, weak patches of hematite-goethite and oxidized pyrite are observed. The alteration is strong to moderate silicification + sericite.	HE22196807	0.003	<0.2	0.0037	0.0008	0.0038	2	<-2	<-1	70	11	1	<-10	<-0.5	<-2	0.16	<-0.5	8	5	2.01	<-10	0.09	20	0.67	336	<-1	0.05	9	500	0.01	1	<-20	<-0.01	<-10	<-10	17	<-10	0.02
La Republicana	241464	Channel	0.90	383360	3425133	833	WGS 84	12	Structure zone with strike and dip 335°/65°, with moderate white quartz veinlets <4 cm in size, moderate patches of hematite-goethite, jarosite, Fe carbonates and pyrolusite distributed between the fractures and rock matrix, is hosted on green meta-andesite with a fine-grained texture, strongly silicified + sericite.	HE22196807	0.005	<0.2	0.0008	0.0005	0.003	2	<-2	<-1	50	9	1.08	<-10	<-0.5	<-2	0.1	<-0.5	10	29	2.36	<-10	0.05	10	0.6	434	17	0.01	23	210	0.01	2	<-20	<-0.01	<-10	<-10	24	<-10	0.24
La Republicana	241465	Channel	1.40	383359	3425136	830	WGS 84	12	Structure zone with white quartz <15 cm thick, it presents strike and dip 310°/70°, moderate patches of hematite-goethite, jarosite, Fe carbonates and pyrolusite distributed between the fractures and rock matrix are observed, it hosts in green meta-andesite with a fine-grained texture, strongly silicified + sericite.	HE22196807	0.009	<0.2	0.0012	0.0011	0.0022	5	<-2	<-1	30	8	0.54	<-10	<-0.5	<-2	0.1	<-0.5	9	18	1.82	<-10	0.07	10	0.25	350	10	0.02	15	260	0.01	1	<-20	<-0.01	<-10	<-10	14	<-10	0.06
La Republicana	241466	Channel	0.40	383373	3425145	848	WGS 84	12	White quartz vein with strong faulting and fracturing with strike and preferential dip 350°/85°, weak patches of hematite-goethite and jarosite are observed distributed between the rock fractures and tourmaline filling cavities.	HE22196807	0.028	1	0.0004	0.0261	0.0002	<-2	<-2	<-1	10	7	0.03	20	<-0.5	2	0.01	<-0.5	1	13	0.78	<-10	0.01	<-10	<-0.01	61	37	0.01	2	120	0.03	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.37
La Republicana	241467	Channel	0.85	383379	3425147	847	WGS 84	12	Quartz vein, intercepted by white quartz veinlets with strike and dip 330°/80°, oxidized pyrite, traces of hematite-goethite and jarosite distributed among the rock fractures and tourmaline filling cavities can be observed.	HE22196807	0.023	0.3	0.0019	0.0016	0.0006	3	<-2	<-1	40	7	0.1	10	<-0.5	4	0.01	<-0.5	4	14	1.03	<-10	0.04	<-10	0.01	161	17	0.01	7	260	0.03	<-1	<-20	<-0.01	<-10	<-10	6	<-10	0.24
La Republicana	241468	Channel	0.80	383387	3425154	846	WGS 84	12	Quartz vein, it presents a strong fracturing filled with white quartz with strike and dip 320°/80°, traces of hematite-goethite and tourmaline are observed filling cavities.	HE22196807	0.132	0.3	0.0019	0.0015	0.0006	2	4	<-1	50	6	0.09	<-10	<-0.5	<-2	0.04	<-0.5	4	15	1.01	<-10	0.04	<-10	0.01	180	8	0.01	5	240	0.02	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.11
La Republicana	241469	Channel	1.10	383396	3425164	847	WGS 84	12	meta-andesite of light green color with a fine-grained texture, it presents a zone of veins and veinlets of white quartz hosted on the foliation of the rock with strike and dip 215°/23°, oxidized pyrite and traces of hematite-goethite + jarosite are observed + tourmaline in veinlets and filling cavities.	HE22196807	0.026	0.5	0.0066	0.0011	0.0018	3	<-2	<-1	90	13	0.47	<-10	<-0.5	4	0.15	<-0.5	9	14	2.07	<-10	0.07	<-10	0.21	299	148	0.01	10	740	0.03	1	<-20	<-0.01	<-10	<-10	10	<-10	0.38
La Republicana	241470	Channel	0.70	383404	3425176	850	WGS 84	12	White quartz vein with 330°/80° fracturing, traces of hematite-goethite + veinlets and filling of cavities by tourmaline are observed.	HE22196807	0.049	0.3	0.0007	0.0012	0.0007	2	2	<-1	60	8	0.06	30	<-0.5	<-2	0.04	<-0.5	8	11	1.96	<-10	0.02	<-10	0.01	174	51	0.01	12	380	0.02	<-1	<-20	<-0.01	<-10	<-10	8	<-10	0.15
La Republicana	241471	Channel	0.85	383412	3425182	848	WGS 84	12	Quartz vein intercepted by fractures filled with white quartz with strike and dip 320°/65°, traces of hematite-goethite and tourmaline are observed filling cavities.	HE22196807	0.049	0.5	0.0036	0.0055	0.0012	2	4	<-1	40	6	0.1	10	<-0.5	<-2	0.08	<-0.5	4	13	1.2	<-10	0.06	<-10	0.02	149	10	0.01	5	300	0.01	<-1	<-20	<-0.01	<-10	<-10	5	<-10	0.18
La Republicana	241472	Channel	0.40	383460	3425203	823	WGS 84	12	White quartz vein with strike and dip 145°/45° and a thickness of 0.40 m; traces of hematite-goethite + jarosite are observed filling cavities and moderate tourmaline, it is hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.355	5.1	0.0006	0.093	0.0004	<-2	<-2	<-1	10	3	0.02	<-10	<-0.5	7	0.02	<-0.5	1	18	0.45	<-10	0.01	<-10	0.01	51	1	0.01	1	90	0.03	<-1	<-20	<-0.01	<-10	<-10	2	<-10	1.82
La Republicana	241473	Channel	0.50	383459	3425203	823	WGS 84	12	Cream-colored meta-rhyolite with a coarse-grained texture with quartz veinlets <1.5 cm in size with strike and dip 140°/40°, scattered and oxidized pyrite + traces of jarosite-hematite and tourmaline are observed. It presents moderate silicification + sericite.	HE22196807	0.003	<0.2	0.0014	0.0007	0.0022	2	<-2	<-1	130	12	0.47	<-10	<-0.5	<-2	0.24	<-0.5	5	4	1.59	<-10	0.19	20	0.08	354	1	0.05	4	830	<0.01	1	<-20	0.01	<-10	<-10	10	<-10	0.02
La Republicana	241474	Channel	0.80	383457	3425223	833	WGS 84	12	Cream-colored meta-rhyolite, coarse-grained texture and foliation with strike and dip 20°/20° + quartz veinlets <10 cm in size with strike and dip 138°/50°, scattered and oxidized pyrite is observed + traces of jarosite-hematite and tourmaline. It presents moderate silicification + sericite.	HE22196807	0.010	0.2	0.0008	0.0011	0.0015	<-2	<-2	<-1	80	9	0.37	<-10	<-0.5	<-2	0.16	<-0.5	5	5	1.81	<-10	0.18	10	0.05	224	1	0.03	3	720	<0.01	1	<-20	<-0.01	<-10	<-10	6	<-10	0.11
La Republicana	241475	Channel	0.50	383457	3425208	832	WGS 84	12	Cream-colored meta-rhyolite, coarse-grained texture and foliation with strike and dip 20°/20° + quartz veinlets <15 cm in size with strike and dip 135°/40°, scattered and oxidized pyrite is observed + traces of jarosite-hematite and tourmaline. It presents moderate silicification + sericite.	HE22196807	0.066	0.2	0.0011	0.0024	0.0015	<-2	<-2	<-1	70	8	0.22	10	<-0.5	<-2	0.12	<-0.5	4	9	1.17	<-10	0.12	10	0.02	222	1	0.03	2	500	0.01	<-1	<-20	<-0.01	<-10	<-10	4	<-10	0.18
La Republicana	241476	Channel	0.50	383459	3425209	832	WGS 84	12	Cream-colored meta-rhyolite, coarse-grained texture and foliation with strike and dip 20°/20° + quartz veinlets <15 cm in size with strike and dip 135°/40°, scattered and oxidized pyrite is observed + traces of jarosite-hematite and tourmaline. It presents moderate silicification + sericite.	HE22196807	0.052	0.6	0.0035	0.0048	0.0018	2	2	<-1	110	11	0.34	<-10	<-0.5	<-2	0.31	0.6	5	6	1.41	<-10	0.18	10	0.06	382	1	0.03	3	770	<0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	0.24
La Republicana	241477	Channel	1.40	383446	3425230	850	WGS 84	12	White quartz vein with strike and dip 210°/26° and an average thickness of 2 m. Strong tourmaline and traces of hematite-goethite, jarosite and oxidized pyrite are observed.	HE22196807	0.023	0.2	0.0011	0.0008	0.0017	2	5	<-1	30	4	0.2	10	<-0.5	<-2	0.06	<-0.5	5	9	1.1	<-10	0.07	10	0.02	180	2	0.03	5	290	<0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.04
La Republicana	241478	Channel	0.60	383443	3425223	853	WGS 84	12	Green meta-andesite with fine-grained texture, foliation with strike and dip 220°/20°, strong veining of quartz hosted on the rock foliation is observed with moderate to weak patches of hematite-goethite distributed between the fractures of the rock. The alteration is strong silicification + sericite.	HE22196807	0.003	<0.2	0.0012	0.0002	0.0026	<-2	<-2	<-1	50	7	0.66	<-10	<-0.5	<-2	0.14	<-0.5	7	7	1.41	<-10	0.07	10	0.37	347	2	0.05	9	490	<0.01	1	<-20	<-0.01	<-10	<-10	7	<-10	0.03
La Republicana	241479	Dump	1.50 x 1.50	383409	3425191	849	WGS 84	12	Quartz fragments with moderate tourmaline + weak patches of hematite-goethite and jarosite.	HE22196807	0.052	0.7	0.0022	0.0145	0.0052	<-2	5	<-1	10	25	0.08	30	<-0.5	2	1.52	3.1	5	9	1.82	<-10	0.02	10	0.19	929	7	0.02	7	220	<0.01	1	<-20	<-0.01	<-10	<-10	4	<-10	0.25
La Republicana	241481	Channel	1.00	383408	3425194	848	WGS 84	12	Meta-andesite of light green color and fine-grained texture, it presents a foliation with strike and dip 220°/20° with white quartz veinlets hosted on the foliation, traces of hematite-goethite + jarosite and tourmaline are observed distributed in the quartz veinlets, presents strong silicification + sericite.	HE22196807	0.020	0.2	0.0022	0.0013	0.0034	3	4	<-1	30	8	0.55	<-10	<-0.5	<-2	0.13	<-0.5	7	16	1.57	<-10	0.08	10	0.26	252	2	0.04	10	320	<0.01	1	<-20	<-0.01	<-10	<-10	9	<-10	0.03
La Republicana	241482	Channel	0.70	383416	3425203	849	WGS 84	12	White quartz vein with strike and dip 145°/45°, traces of hematite-goethite and strong tourmaline are observed. It is hosted on meta-rhyolite with moderate silicification + sericite.	HE22196807	0.448	4.8	0.0089	0.0152	0.0095	11	54	<-1	40	11	0.09	30	<-0.5	<-2	0.12	1.6	28	9	11.55	<-10	0.03	<-10	0.03	180	22	0.01	62	480	0.05	<-1	<-20	<-0.01	<-10	<-10	13	<-10	1.63
La Republicana	241483	Channel	0.90	383416	3425204	849	WGS 84	12	White quartz vein with strike and dip 320°/65° and an average thickness of 20 cm, traces of hematite-goethite and strong tourmaline are observed, it is hosted in cream-colored meta-rhyolite and medium grain texture with oxidized pyrite and traces of jarosite, the alteration is strong silicification + sericite.	HE22196807	0.028	0.2	0.0013	0.0007	0.0023	3	2	<-1	60	12	0.46	10	<-0.5	<-2	0.2	<-0.5	13	7	1.86	<-10	0.12	20	0.19	678	6	0.03	10	680	<0.01	1	<-20	<-0.01	<-10	<-10	8	<-10	0.14
La Republicana	241484	Channel	0.60	383377	3425200	842	WGS 84	12	White quartz vein with strike and dip 115°/70° and a thickness <20 cm, oxidized pyrite is observed, traces of hematite-goethite and strong tourmaline, it is hosted in cream-colored meta-rhyolite and coarse-grained texture, it presents moderate silicification + sericite.	HE22196807	0.003	0.2	0.0024	0.0029	0.0014	4	<-2	<-1	10	10	0.34	20	<-0.5	<-2	0.11	<-0.5	3	7	0.85	<-10	0.04	10	0.16	126	1	0.06	4	280	<0.01	1	<-20	0.01	<-10	<-10	9	<-10	0.04
La Republicana	241485	Selective	0.50 x 0.50	383380	3425205	847	WGS 84	12	White quartz vein fragments with moderate patches of hematite-goethite + tourmaline distributed between the fractures of the structure.	HE22196807	0.024	2.3	0.0033	0.0183	0.0007	4	2	<-1	10	2	0.06	10	<-0.5	15	0.02	<-0.5	4	14	0.63	<-10	0.01	<-10	0.03	80	2	0.01	2	80	0.01	<-1	<-20	<-0.01	<-10	<-10	4	<-10	0.56
La Republicana	241486	Channel	0.50	383385	3425216	852	WGS 84	12	Cream-colored meta-rhyolite with coarse-grained texture, contains white quartz veinlet with strike and dip 110°/53° and a thickness of 5 cm, traces of hematite-goethite and jarosite are observed distributed in the quartz + pyrite veinlet oxidized and jarosite in the rock matrix, the alteration is moderate silicification + sericite.	HE22196807	0.009	0.3	0.0007	0.0027	0.0007	2	2	<-1	20	6	0.25	20	<-0.5	<-2	0.08	<-0.5	4	9	0.81	<-10	0.08	10	0.07	103	1	0.03	3	210	<0.01	<-1	<-20	0.01	<-10	<-10	5	<-10	0.09
La Republicana	241487	Channel	1.20	383407	3425208	847	WGS 84	12	Cream-colored meta-rhyolite with a medium to coarse-grained texture with moderate fracturing, it presents a preferential strike and dip 325°/60° filled with white quartz veinlets, moderate patches of hematite-goethite, jarosite and pyrolusite are observed, the alteration is strong silicification + sericite.</																																						

La Republicana	241501	Channel	0.50	383407	3425310	862	WGS 84	12	White quartz vein with strike and dip 237°/15° and an average thickness of 0.50 m, traces of jarosite and moderate tourmaline are observed, it is hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.003	0.3	0.0003	0.0013	0.0002	<-2	2	<-1	10	3	0.03	<-10	<-0.5	<-2	0.09	<-0.5	1	18	0.43	<-10	0.01	<-10	0.01	82	<-1	0.01	1	60	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	10	0.04
La Republicana	241502	Channel	1.50	383429	3425278	859	WGS 84	12	Quartz veinlets with strike and dip 130°/50°, the mineralization is represented by tourmaline and traces of hematite + jarosite, they are hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.243	2.1	0.0006	0.0162	0.0007	<-2	<-2	<-1	40	10	0.09	10	<-0.5	4	0.53	<-0.5	3	15	1.03	<-10	0.02	10	0.03	373	1	0.03	4	440	<-0.01	<-1	<-20	<-0.01	<-10	<-10	4	10	0.56
La Republicana	241503	Channel	0.90	383425	3425263	860	WGS 84	12	Quartz vein with strike and dip 105°/75°, the mineralization is represented by tourmaline and traces of hematite + jarosite, they are hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.024	0.9	0.0008	0.011	0.0003	<-2	<-2	<-1	10	4	0.03	10	<-0.5	5	0.08	<-0.5	1	24	0.66	<-10	0.01	<-10	0.01	97	1	0.01	1	80	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.74
La Republicana	241504	Channel	1.20	383428	3425245	857	WGS 84	12	Quartz vein with strike and dip 120°/40°, the mineralization is represented by tourmaline and traces of hematite + jarosite, they are hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.020	<-0.2	0.0007	0.0007	0.0005	<-2	<-2	<-1	10	5	0.05	40	<-0.5	<-2	0.05	<-0.5	2	14	0.51	<-10	0.01	<-10	0.01	86	<-1	<-0.01	1	220	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.01
La Republicana	241505	Channel	1.60	383492	3425337	843	WGS 84	12	White quartz vein with strike and dip 150°/15° and an average thickness of 2 m, with moderate tourmaline, hematite, goethite and jarosite, it is hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.045	0.4	0.0013	0.0025	0.0012	<-2	2	<-1	30	6	0.12	10	<-0.5	<-2	0.2	0.5	4	12	1.04	<-10	0.05	10	0.02	406	4	0.01	4	280	0.02	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.08
La Republicana	241506	Channel	1.70	383492	3425335	849	WGS 84	12	Stockwork with quartz veinlets with a preferential trend of 130°/25° and a thickness of less than 7 cm, oxidized pyrite, hematite, jarosite are observed and it is hosted in cream-colored meta-rhyolite with strong silicification + sericite.	HE22196807	0.016	0.2	0.0006	0.0012	0.0012	<-2	2	<-1	20	7	0.13	10	<-0.5	<-2	0.33	0.6	3	17	1.04	<-10	0.06	10	0.02	409	3	0.02	5	280	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.07
La Republicana	241507	Channel	1.50	383456	3425268	851	WGS 84	12	White quartz vein with strike and dip 195°/10° with traces of hematite + jarosite, oxidized pyrite and tourmaline.	HE22196807	0.020	0.6	0.0011	0.0009	0.0029	5	3	<-1	40	8	0.43	10	<-0.5	<-2	0.32	0.5	9	30	1.69	<-10	0.06	<-10	0.3	564	6	<-0.01	15	440	0.04	1	<-20	<-0.01	<-10	<-10	8	<-10	0.08
La Republicana	241508	Channel	1.35	383444	3425286	861	WGS 84	12	Quartz veinlets with strike and dip 300°/50°, the mineralization is represented by hematite, goethite, jarosite and traces of tourmaline, hosted in meta-rhyolite with strong silicification + sericite.	HE22196807	0.043	0.2	0.0008	0.0004	0.0043	5	<-2	<-1	50	17	1.06	10	<-0.5	<-2	1.38	<-0.5	34	6	3.68	<-10	0.11	10	0.62	609	1	0.03	5	780	0.02	4	<-20	<-0.01	<-10	<-10	28	<-10	0.21
La Republicana	241509	Channel	0.40	383459	3425326	867	WGS 84	12	White quartz vein with strike and dip 320°/68°, with traces of jarosite in the fractures, hosts meta-rhyolite with strong silicification + sericite.	HE22196807	0.003	<-0.2	0.0001	0.0002	0.0001	<-2	<-2	<-1	<-10	1	0.01	<-10	<-0.5	<-2	0.03	<-0.5	1	25	0.41	<-10	<-0.01	<-10	0.01	60	<-1	<-0.01	1	20	0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	<-0.01
La Republicana	241510	Channel	1.00	383469	3425343	863	WGS 84	12	Quartz veinlets with strike and dip 140°/60° and a thickness < 1.5 cm, the mineralization is represented by oxidized pyrite, hematite, jarosite and tourmaline, hosted in meta-rhyolite with strong silicification + sericite.	HE22196807	3.160	0.3	0.0009	0.0007	0.0003	5	<-2	<-1	50	15	0.19	60	<-0.5	<-2	0.24	<-0.5	34	8	2.48	<-10	0.01	20	0.06	573	16	0.04	7	700	0.02	1	<-20	<-0.01	<-10	<-10	7	<-10	0.14
La Republicana	241511	Channel	1.00	383524	3425445	814	WGS 84	12	Quartz vein with hydrothermal tectonic breccia texture with strike and dip 150°/32°, the mineralization is represented by hematite, goethite, jarosite, oxidized pyrite and tourmaline, it is hosted in meta-rhyolite with strong silicification + sericite.	HE22196807	0.040	<-0.2	0.0031	0.0087	0.001	2	<-2	<-1	50	7	0.22	<-10	<-0.5	<-2	0.06	0.6	14	6	1.04	<-10	0.08	20	0.02	519	2	0.04	5	280	0.03	<-1	<-20	<-0.01	<-10	<-10	1	10	0.15
La Republicana	241512	Channel	1.90	383520	3425450	817	WGS 84	12	Quartz vein with hydrothermal tectonic breccia texture with strike and dip 150°/32°, the mineralization is represented by hematite, goethite, jarosite, oxidized pyrite and tourmaline, it is hosted in meta-rhyolite with strong silicification + sericite.	HE22196807	0.054	0.3	0.0011	0.0068	0.0006	2	4	<-1	30	13	0.25	10	<-0.5	<-2	0.06	<-0.5	3	10	1.32	<-10	0.07	10	0.01	208	2	0.05	3	470	0.05	<-1	<-20	<-0.01	<-10	<-10	2	60	0.16
La Republicana	241513	Channel	1.10	383521	3425447	822	WGS 84	12	Quartz veinlets with strike and dip 140°/40° and a thickness < 4 cm, the mineralization is represented by moderate patches of hematite, goethite, jarosite, oxidized pyrite, it hosts cream-colored meta-rhyolite with strong silicification + sericite.	HE22196807	0.088	0.2	0.0017	0.003	0.0011	2	<-2	<-1	30	11	0.28	10	<-0.5	<-2	0.06	<-0.5	9	7	2.18	<-10	0.09	30	0.02	325	3	0.03	6	460	0.03	1	20	<-0.01	<-10	<-10	3	90	0.28
La Republicana	241514	Channel	1.00	383518	3425442	825	WGS 84	12	Fault zone with strike and dip 305°/72° quartz veinlets hosted on fault planes with weak traces of hematite, goethite, jarosite, oxidized pyrite and tourmaline are observed, it is hosted on meta-rhyolite with strong silicification + sericite.	HE22196807	0.008	<-0.2	0.001	0.0016	0.0006	3	<-2	<-1	30	7	0.23	<-10	<-0.5	<-2	0.13	<-0.5	9	7	1.33	<-10	0.08	30	0.03	125	4	0.05	5	560	0.01	1	<-20	<-0.01	<-10	<-10	2	40	0.11
La Republicana	241515	Channel	1.20	383512	3425433	826	WGS 84	12	White quartz vein with weak texture of hydrothermal tectonic breccia, presents a trend and dip 160°/30° and an average thickness of 1.20 m, the mineralization is represented by hematite, goethite, oxidized pyrite, jarosite and tourmaline, it is hosted in meta-rhyolite with strong silicification + sericite.	HE22196807	0.114	<-0.2	0.0008	0.0024	0.0019	<-2	2	<-1	40	6	0.22	10	<-0.5	<-2	0.02	<-0.5	5	10	1.19	<-10	0.08	20	0.01	149	2	0.03	3	230	0.02	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.12
La Republicana	241516	Channel	0.70	383511	3425436	829	WGS 84	12	Moderate quartz veinlets with strike and dip 145°/60°, weak patches of hematite, goethite and jarosite + tourmaline are observed, they are hosted in cream-colored meta-rhyolite with medium grain texture, the alteration is moderate silicification + sericite.	HE22196807	0.033	0.2	0.0012	0.0017	0.0007	<-2	2	<-1	50	6	0.27	<-10	<-0.5	<-2	0.02	<-0.5	3	7	1.22	<-10	0.08	30	0.01	160	2	0.04	3	270	0.02	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.11
La Republicana	241517	Channel	0.50	383498	3425446	829	WGS 84	12	White quartz vein with trend and dip 130°/10° the mineralization is represented by traces of hematite, jarosite and tourmaline, it is hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.108	0.3	0.0009	0.018	0.001	<-2	<-2	<-1	30	6	0.17	10	<-0.5	2	0.02	<-0.5	3	9	1.01	<-10	0.05	10	0.01	272	2	0.03	4	360	0.02	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.6
La Republicana	241518	Channel	0.70	383479	3425442	832	WGS 84	12	White quartz vein with strike and dip 130°/15° and a thickness < 20 cm, the mineralization is represented by hematite, goethite, jarosite and tourmaline, it is hosted on the meta-rhyolite foliation with moderate silicification + sericite.	HE22196807	0.171	0.3	0.0018	0.0087	0.0029	4	<-2	<-1	50	13	0.4	10	<-0.5	<-2	0.06	<-0.5	6	10	4.04	<-10	0.2	20	0.03	195	4	0.02	12	600	0.1	1	<-20	<-0.01	<-10	<-10	7	<-10	0.49
La Republicana	241519	Channel	1.30	383462	3425449	829	WGS 84	12	Quartz veinlets and stockwork with trend and dip 135°/65°, hematite, goethite, jarosite and tourmaline are observed, they are hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.018	<-0.2	0.0015	0.0044	0.0003	2	3	<-1	30	6	0.2	<-10	<-0.5	<-2	0.09	<-0.5	8	8	1.26	<-10	0.07	40	0.02	206	6	0.05	5	340	0.01	1	<-20	<-0.01	<-10	<-10	2	<-10	0.11
La Republicana	241521	Channel	1.20	383475	3425441	830	WGS 84	12	Structure zone (fault) filled by white quartz vein with strike and dip 135°/75°, traces of hematite, goethite and jarosite + strong tourmaline are observed, it is hosted in meta-rhyolite with moderate silicification + sericite.	HE22196807	0.385	0.5	0.0009	0.0023	0.0008	<-2	2	<-1	30	11	0.24	<-10	<-0.5	<-2	0.08	<-0.5	4	7	1.36	<-10	0.11	30	0.02	154	2	0.04	2	380	0.04	1	<-20	<-0.01	<-10	<-10	3	<-10	0.29
La Republicana	241522	Channel	0.80	383472	3425406	847	WGS 84	12	Cream colored meta-rhyolite, presents weak quartz veinlets with strike and dip 130°/45°, traces of hematite, jarosite and tourmaline are observed within the quartz veinlets, the alteration is moderate silicification + sericite.	HE22196807	0.006	<-0.2	0.0028	0.0102	0.0031	<-2	<-2	<-1	60	11	0.84	<-10	<-0.5	<-2	0.19	3.1	5	5	1.71	<-10	0.1	20	0.36	391	2	0.05	7	710	0.01	1	<-20	<-0.01	<-10	<-10	10	<-10	0.02
La Republicana	241523	Channel	0.50	383472	3425405	847	WGS 84	12	White quartz vein with strike and dip 130°/47° and an average thickness of 0.50 m, the mineralization is represented by galena, hematite, jarosite and tourmaline, it is hosted in cream-colored meta-rhyolite with moderate silicification + sericite.	HE22196807	0.188	3.5	0.0026	0.1415	0.0019	<-2	<-2	<-1	<-10	2	0.04	<-10	<-0.5	2	0.02	5.6	1	20	0.58	<-10	0.01	<-10	<-0.01	99	3	<-0.01	1	50	0.03	<-1	<-20	<-0.01	<-10	<-10	3	170	2.27
La Republicana	241524	Channel	0.50	383472	3425404	847	WGS 84	12	Cream colored meta-rhyolite, presents weak quartz veinlets with strike and dip 130°/45°, traces of hematite, jarosite and tourmaline are observed within the quartz veinlets, the alteration is moderate silicification + sericite.	HE22196807	0.031	0.4	0.002	0.0069	0.004	<-2	<-2	<-1	60	10	0.52	<-10	<-0.5	<-2	0.16	1.9	6	10	1.38	<-10	0.12	10	0.21	376	1	0.05	6	570	0.02	1	<-20	<-0.01	<-10	<-10	6	<-10	0.09
La Republicana	241525	Channel	1.10	383514	3425407	830	WGS 84	12	Quartz vein with hydrothermal tectonic breccia texture with strike and dip 200°/15°, the mineralization is represented by hematite, goethite, jarosite, oxidized pyrite and tourmaline, it is hosted in meta-rhyolite with strong silicification + sericite.	HE22196807	0.015	0.3	0.0005	0.0085	0.0003	<-2	<-2	<-1	30	6	0.13	<-10	<-0.5	<-2	0.13	<-0.5	4	11	0.56	<-10	0.02	10	0.04	258	2	0.05	2	190	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.26
La Republicana	241526	Channel	1.20	383416	3425430	830	WGS 84	12	Quartz vein with a tectonic breccia texture, with weak internal folding, it presents a strike and dip 80°/40° with an average thickness of 1.5 m. The mineralization is represented by oxidized pyrite, hematite, goethite, jarosite and tourmaline, the alteration is strong silicification.	HE22203585	0.009	0.2	0.001	0.0014	0.0007	<-2	<-2	<-1	40	22	0.16	10	<-0.5	<-2	0.03	<-0.5	4	11	1.06	<-10	0.05	30	0.01	292	1	0.04	2	390	0.04	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.07
La Republicana	241527	Channel	1.20	383398	3425413	822	WGS 84	12	Quartz vein with a tectonic breccia texture, with weak internal folding, it presents a strike and dip 50°/17° with an average thickness of 1.5 m. The mineralization is represented by oxidized pyrite, hematite, goethite, jarosite and tourmaline, the alteration is strong silicification.	HE22203585	0.037	0.6	0.0021	0.0037	0.0009	2	<-2	<-1	50	13	0.23	10	<-0.5	<-2	0.14	0.5	11	8	1.96	<-10	0.08	40	0.0														

La Republicana	241539	Channel	0.80	383112	3425453	902	WGS 84	12	Light green meta-andesite with a fine-grained texture, it presents foliation with strike and dip 135°/45°. Traces of hematite, goethite + jarosite are observed distributed in small patches on the foliation planes and rock matrix, the alteration is strong silicification + sericite.	HE22203585	0.006	-0.2	0.0014	0.0007	0.0015	2	-2	-1	90	11	0.33	<10	<-0.5	<-2	1.04	0.7	3	4	1.08	<10	0.18	20	0.06	361	1	0.03	1	520	<-0.01	1	<-20	<-0.01	<-10	<-10	3	<-10	0.02
La Republicana	241541	Channel	1.00	383113	3425453	902	WGS 84	12	Zone of strongly silicified structure with a tectonic breccia texture, it presents a strike and dip 135°/45° and a thickness of 3 m. Hematite, goethite and jarosite are observed distributed between the rock fractures and tourmaline patches. It is hosted on light green meta-andesite with strong silicification + sericite.	HE22203585	0.021	0.3	0.0013	0.0154	0.0006	2	-2	-1	50	7	0.24	10	<-0.5	<-2	0.05	<-0.5	2	7	0.9	<10	0.1	20	0.02	189	3	0.06	1	180	0.01	1	<-20	<-0.01	<-10	<-10	2	<-10	0.42
La Republicana	241542	Channel	1.00	383099	3425462	896	WGS 84	12	Strongly silicified structure zone with weak tectonic breccia texture, it presents a fault zone with strike and dip 175°/28°. Weak patches of hematite, goethite and jarosite are observed, distributed among the fractures of the structure.	HE22203585	0.069	0.2	0.0012	0.0056	0.0006	<-2	<-2	<-1	60	11	0.31	<10	<-0.5	<-2	0.06	<-0.5	2	4	0.99	<10	0.12	30	0.02	73	2	0.07	2	420	0.01	1	<-20	<-0.01	<-10	<-10	1	30	0.37
La Republicana	241543	Channel	1.40	383097	3425463	895	WGS 84	12	Strongly silicified structure zone with strike and dip 115°/20° and an average thickness of 5 m, weak to moderate patches of hematite, goethite and jarosite are observed distributed between the fractures of the structure.	HE22203585	0.059	0.3	0.0009	0.0088	0.0006	2	4	<-1	70	7	0.24	10	<-0.5	<-2	0.03	<-0.5	2	9	0.77	<10	0.1	20	0.01	277	5	0.06	2	180	0.01	<-1	20	<-0.01	<-10	<-10	1	<-10	0.15
La Republicana	241544	Channel	1.10	383088	3425460	895	WGS 84	12	Strongly silicified structure zone with strike and dip 150°/30° and an average thickness of 2.5 m with tectonic breccia texture, weak to moderate patches of hematite, goethite and jarosite are observed distributed between the fractures of the structure + tourmaline.	HE22203585	0.059	0.4	0.0013	0.0132	0.0007	<-2	2	<-1	40	4	0.2	10	<-0.5	<-2	0.11	0.5	2	8	0.86	<10	0.09	20	0.02	232	2	0.06	2	210	0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.24
La Republicana	241545	Channel	1.00	383064	3425467	890	WGS 84	12	Light green meta-andesite with a fine-grained texture, it presents foliation with strike and dip 125°/37°, traces of hematite, goethite + jarosite are observed distributed in small patches on the foliation planes and rock matrix, the alteration is strong silicification + sericite.	HE22203585	0.016	-0.2	0.0015	0.0013	0.0004	<-2	<-2	<-1	70	5	0.32	<10	<-0.5	<-2	0.09	<-0.5	2	4	0.85	<10	0.18	30	0.02	136	1	0.05	2	230	0.02	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.1
La Republicana	241546	Channel	0.90	383063	3425467	889	WGS 84	12	Strongly silicified structure zone with strike and dip 125°/37° a thickness of 0.90 m with tectonic breccia texture, weak to moderate patches of hematite, goethite and jarosite are observed distributed between the fractures of the structure, occasionally oxidized pyrite is observed and moderate tourmaline.	HE22203585	0.029	1	0.0012	0.0636	0.0028	<-2	3	<-1	30	4	0.1	10	<-0.5	<-2	0.03	0.6	4	12	0.72	<10	0.04	<-10	0.01	382	<-1	0.02	7	160	0.03	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.56
La Republicana	241547	Channel	0.60	383062	3425467	888	WGS 84	12	Light green meta-andesite with a fine-grained texture, it presents foliation with strike and dip 125°/37°, traces of hematite, goethite + jarosite are observed distributed in small patches on the foliation planes and rock matrix, the alteration is strong silicification + sericite.	HE22203585	0.013	0.2	0.0108	0.0046	0.0091	3	<-2	<-1	70	67	0.94	10	<-0.5	<-2	7.3	1.9	37	9	3.4	<10	0.28	<-10	1.14	962	1	0.02	106	440	0.06	1	<-20	<-0.01	<-10	<-10	4	<-10	0.12
La Republicana	241548	Channel	0.25	383063	3425451	898	WGS 84	12	White quartz vein with strike and dip 115°/50° and an average thickness of 0.20 m. Patches of galena and pyrite are observed distributed between the fractures of the structure + moderate tourmaline.	HE22203585	0.010	2.4	0.0004	0.0552	0.0003	<-2	<-2	<-1	30	4	0.03	20	<-0.5	6	0.04	<-0.5	1	17	0.59	<10	0.01	<-10	0.01	66	32	0.01	1	60	0.03	<-1	<-20	<-0.01	<-10	<-10	1	<-10	1.44
La Republicana	241549	Channel	1.60	383201	3425451	898	WGS 84	12	Zone of quartz veinlets with strike and dip 125°/20° and a thickness that varies from 1 cm to 15 cm, hematite, jarosite, oxidized pyrite and tourmaline are observed, it is hosted on the foliation of a meta-rhyolite with moderate silicification + sericite.	HE22238537	0.018	0.8	0.0036	0.0096	0.0011	2	<-2	<-1	60	8	0.24	<10	<-0.5	<-2	0.07	<-0.5	2	9	1.27	<10	0.12	10	0.03	76	3	0.03	2	390	0.02	<-1	<-20	<-0.01	<-10	<-10	4	<-10	0.42
La Republicana	241550	Channel	0.50	383226	3425483	891	WGS 84	12	White quartz vein with strike and dip 135°/22° and an average thickness of 0.30 m. Hematite, goethite, jarosite, oxidized pyrite and tourmaline, distributed among the fractures of the structure, are observed on the foliation of a meta-rhyolite with weak silicification + sericite.	HE22238537	0.030	0.3	0.0016	0.0115	0.0006	2	<-2	<-1	50	5	0.21	<10	<-0.5	2	0.05	<-0.5	2	11	1.02	<10	0.13	10	0.02	96	3	0.02	2	240	<-0.01	<-1	<-20	<-0.01	<-10	<-10	4	<-10	0.45
La Republicana	241683	Channel	1.00	384839	3422849	743	WGS 84	12	Sub-parallel quartz vein <5cm emplaced in meta-rhyolite with moderate to strong silicification, these veins form a quartz vein zone of 1m width between foliation's rock. Strike of veins 35°/60°.	HE22238537	0.339	2.7	0.0023	0.0066	0.0015	<-2	<-2	<-1	90	4	0.15	<10	<-0.5	<-2	0.02	<-0.5	1	12	0.33	<10	0.11	10	<-0.01	140	1	0.02	<-1	150	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	4.84
La Republicana	241684	Channel	0.50	384849	3422726	735	WGS 84	12	Quartz vein with 0.5 m width, in meta-rhyolite, with mineralization of hematite, pyrolusite, malachite and chrysocolla. Moderate silicification in wallrock. Vein's strike 240°/60°.	HE22238537	0.066	11.8	0.0926	0.0004	0.001	37	59	<-1	50	3	0.12	<10	<-0.5	5	0.03	0.7	<-1	14	0.5	<10	0.08	<-10	<-0.01	93	1	0.01	1	160	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.23
La Republicana	241685	Channel	0.70	384841	3422723	735	WGS 84	12	Meta-rhyolite with moderate to strong silicification due to quartz veinlets in a preferential strike 240°/60°. Mineralization of hematite and rare jarosite.	HE22238537	<-0.005	<-0.2	0.0013	0.0005	0.0006	<-2	<-2	<-1	160	5	0.26	<10	<-0.5	<-2	0.02	<-0.5	<-1	8	0.34	<10	0.12	10	0.01	109	<-1	0.01	<-1	340	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
La Republicana	241686	Channel	0.70	384841	3422723	735	WGS 84	12	Meta-rhyolite with moderate to strong silicification due to quartz veinlets in a preferential strike 240°/60°. Mineralization of hematite and rare jarosite.	HE22238537	<-0.005	<-0.2	0.0002	0.0003	0.0005	<-2	<-2	<-1	80	4	0.1	<10	<-0.5	<-2	0.03	<-0.5	<-1	10	0.26	<10	0.08	<-10	0.01	71	<-1	0.01	1	140	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.01
La Republicana	241687	Chip	0.50	384836	3422723	735	WGS 84	12	Meta-rhyolite with moderate to strong silicification due to quartz veinlets in a preferential strike 240°/60°. Mineralization of hematite and rare jarosite.	HE22238537	0.009	<-0.2	0.0001	0.0003	0.0004	<-2	<-2	<-1	70	3	0.13	<10	<-0.5	<-2	0.02	<-0.5	<-1	10	0.43	<10	0.12	10	0.01	148	<-1	0.01	<-1	70	<-0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.01
La Republicana	241688	Chip	1.00	384815	3422713	729	WGS 84	12	Meta-rhyolite with moderate to strong silicification due to quartz veinlets in several directions.	HE22238537	<-0.005	<-0.2	0.0001	0.0005	0.0019	2	<-2	<-1	190	9	0.23	<10	<-0.5	<-2	0.16	<-0.5	3	7	1.32	<10	0.14	10	0.04	422	<-1	0.04	2	590	0.01	1	<-20	<-0.01	<-10	<-10	5	<-10	<-0.01
La Republicana	241689	Chip	1.00	384815	3422713	729	WGS 84	12	Meta-rhyolite with moderate to strong silicification due to quartz veinlets in several directions. Saple taken in a floued.	HE22238537	0.475	0.2	0.0075	0.0008	0.0007	2	<-2	<-1	100	6	0.13	<10	<-0.5	<-2	0.21	0.6	1	10	1.12	<10	0.06	10	0.02	452	<-1	0.06	1	420	<-0.01	1	<-20	0.02	<-10	<-10	7	<-10	0.01
La Republicana	241690	Channel	0.50	384861	3422880	750	WGS 84	12	Meta-rhyolite with quartz veinlets <3 cm width between rock's foliation. The observed mineralization was hematite, jarosite and specularite. Strike 170°/20°.	HE22238537	<-0.005	40.5	0.01	0.607	0.0048	12	3	<-1	70	10	0.34	<10	<-0.5	23	0.18	4	4	5	1.25	<10	0.14	10	0.05	362	5	0.05	1	650	0.06	1	<-20	0.02	<-10	<-10	12	<-10	51.1
La Republicana	241691	Chip	0.50	384856	3422884	751	WGS 84	12	Quartz veins <5 cm width, emplaced in several directions in meta-rhyolite with weak silicification and moderate to strong silicification and clay mineralization in fractures.	HE22238537	1.015	0.2	0.0004	0.0024	0.0004	<-2	<-2	<-1	60	2	0.16	<10	<-0.5	<-2	0.02	<-0.5	<-1	11	0.32	<10	0.13	10	0.01	91	<-1	0.02	<-1	40	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.18
La Republicana	241692	Channel	0.50	384858	3422886	751	WGS 84	12	Sub-parallel quartz veins <5 cm each, with mineralization of hematite and jarosite. Strike 290°/75°.	HE22238537	<-0.005	<-0.2	0.0008	0.0008	0.0008	<-2	<-2	<-1	80	4	0.3	<10	<-0.5	<-2	0.04	<-0.5	1	5	0.33	<10	0.21	20	0.01	134	<-1	0.02	<-1	70	<-0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	0.04
La Republicana	241693	Selective	0.50	384858	3422886	751	WGS 84	12	Chip sample over floated of meta-rhyolite with strongly quartz veining.	HE22238537	<-0.005	<-0.2	0.0005	0.0006	0.0005	<-2	<-2	<-1	70	3	0.24	<10	<-0.5	<-2	0.02	<-0.5	<-1	7	0.31	<10	0.18	20	0.01	91	<-1	0.02	1	70	<-0.01	<-1	<-20	<-0.01	<-10	<-10	1	<-10	0.03
La Republicana	241694	Channel	0.50	384904	3422579	706	WGS 84	12	Quartz veinlets zone <20cm each, in several direction but preferably between rock's foliation (strike 45°/46°) with mineralization of jarosite (plumbogjarosite?) -hematite.	HE22238537	0.124	2.3	0.009	0.0451	0.0207	<-2	<-2	<-1	140	7	0.18	<10	<-0.5	<-2	0.06	1.7	2	10	0.92	<10	0.13	10	0.02	397	2	0.02	1	360	0.01	<-1	<-20	<-0.01	<-10	<-10	2	<-10	3.35
La Republicana	241695	Channel	1.00	384908	3422574	707	WGS 84	12	Quartz veinlets zone <20cm each, in several direction but preferably between rock's foliation (strike 45°/46°) with mineralization of jarosite (plumbogjarosite?) -hematite.	HE22238537	0.285	2.7	0.0094	0.1525	0.0687	5	<-2	<-1	250	29	0.33	<10	<-0.5	<-2	0.38	24.7	4	3	1.07	<10	0.25	20	0.04	814	1	0.03	1	760	0.03	1	<-20	<-0.01	<-10	<-10	4	<-10	1.56
La Republicana	241696	Channel	1.00	384908	3422574	707	WGS 84	12	Quartz veinlets zone <20cm each, in several direction but preferably between rock's foliation (strike 45°/46°) with mineralization of galena, jarosite (plumbogjarosite?) -hematite.	HE22238537	0.254	6.9	0.0057	0.288	0.0169	2	<-2	<-1	110	9	0.24	<10	<-0.5	5	0.08	2	1	6	0.82	<10	0.18	10	0.02	266	2	0.02	1	420	0.05	1	<-20	<-0.01	<-10	<-10	2	<-10	1.8
La Republicana	241697	Channel	1.00	384805	3422653	720	WGS 84	12	Sub-parallel quartz veinlets <2 cm each, these veinlets form a veinlets zone with 6m width and, so far, 20m long. The observed mineralization was traces of specularite, galena, oxidized pyrite, hematite and jarosite. 6 saples was taken in this place in a channel of 1m each. Strike veinlets 135°/60-80°.	HE22238537	0.030	0.2	0.0034	0.0019	0.0025	9	<-2	<-1	80	9	0.16	<10	<-0.5	<-2	0.19	<-0.5	1	11	0.88	<10	0.11	20	0.02	225	3	0.06	1	160	0.01	<-1	<-20	<-0.01	<-10	<-10	3	<-10	0.83
La Republicana	241																																														

La Republicana	241811	Channel	0.80	383232	3425521	870	WGS 84	12	Structure zone with moderate white quartz veinlets with trend and dip 125°/15° and an average thickness of 4 cm, hematite, jarosite, oxidized pyrite and tourmaline distributed on the veinlet fractures are observed, it is hosted in meta-rhyolite cream color with medium grain texture, the alteration is moderate silicification + sericite.	HE22238537	0.036	<0.2	0.0014	0.0013	0.0005	<2	<2	<1	50	5	0.19	<10	<0.5	<2	0.03	<0.5	3	11	0.63	<10	0.07	20	0.01	110	<1	0.04	2	180	0.02	<1	<20	<0.01	<10	<10	1	<10	0.08
La Republicana	241812	Channel	0.80	383232	3425521	869	WGS 84	12	Cream-colored meta-rhyolite with a medium-grained texture, it presents a foliation with strike and dip 125°/15°, the mineralization is represented by traces of hematite and jarosite distributed between the fractures and rock matrix + disseminated and oxidized pyrite, the alteration is moderate silicification + sericite.	HE22238537	0.013	<0.2	0.0023	0.0004	0.0011	2	<2	<1	120	11	0.33	<10	<0.5	<2	0.05	<0.5	4	5	0.67	<10	0.16	40	0.02	226	1	0.04	3	330	0.02	<1	20	<0.01	<10	<10	1	<10	0.02
La Republicana	241813	Channel	1.00	383222	3425527	868	WGS 84	12	Cream-colored meta-rhyolite with a medium-grained texture, it presents a foliation with strike and dip 125°/15°, the mineralization is represented by traces of hematite and jarosite distributed between the fractures and rock matrix + disseminated and oxidized pyrite, the alteration is moderate silicification + sericite.	HE22238537	0.033	<0.2	0.0015	0.0008	0.0009	<2	<2	<1	70	13	0.27	10	<0.5	<2	0.04	<0.5	2	7	1.18	<10	0.13	30	0.01	96	1	0.05	2	330	0.09	<1	<20	<0.01	<10	<10	1	<10	0.07
La Republicana	241814	Channel	0.80	383222	3425527	869	WGS 84	12	Fault zone with strike and dip 135°/45°, hosted in a structure zone with moderate white quartz veinlets, the mineralization is represented by hematite, goethite, jarosite and tourmaline + sericite; the alteration is moderate silicification + sericite.	HE22238537	0.101	0.2	0.0011	0.0025	0.0006	<2	<2	<1	100	13	0.28	10	<0.5	<2	0.01	<0.5	1	8	0.87	<10	0.15	40	0.01	97	1	0.05	2	220	0.07	<1	<20	<0.01	<10	<10	3	<10	0.11
La Republicana	241815	Channel	0.75	383194	3425526	868	WGS 84	12	Sill of andesitic composition and fine-grained texture, it presents a strong foliation with strike and dip 135°/15°, the mineralization is represented by magnetite and jarosite distributed in small patches on the fractures and foliation of the rock, the alteration is very weak silicification.	HE22238537	0.005	0.4	0.0423	0.0004	0.0049	5	<2	<1	90	26	1.6	<10	<0.5	<2	1.18	<0.5	27	16	4.49	10	0.17	100	0.84	651	2	0.05	19	3750	0.03	5	30	0.01	<10	<10	36	<10	0.03
La Republicana	241816	Channel	1.00	383193	3425526	868	WGS 84	12	Structure zone (quartz vein) with strike and dip 135°/15°, weak patches of hematite, jarosite and tourmaline are observed distributed between the fractures and filling cavities, it is hosted in geological contact between cream-colored meta-rhyolite and magnetic sill of andesitic composition.	HE22238537	0.067	0.7	0.0176	0.0043	0.002	4	<2	<1	60	58	0.4	20	<0.5	<2	0.26	<0.5	7	9	4.62	<10	0.13	20	0.12	256	3	0.31	8	1750	0.91	1	30	<0.01	<10	<10	9	<10	0.45
La Republicana	241817	Channel	0.40	383192	3425526	868	WGS 84	12	Cream-gray meta-rhyolite, presents a foliation with strike and dip 135°/15°, traces of hematite and jarosite are observed distributed among the foliation of the rock, the alteration is very weak silicification + sericite.	HE22238537	<0.005	<0.2	0.0026	0.0002	0.0011	<2	<2	<1	90	21	0.36	<10	<0.5	<2	0.03	<0.5	5	10	2.23	<10	0.23	30	0.02	176	1	0.04	6	290	0.06	1	<20	<0.01	<10	<10	6	<10	0.01
La Republicana	241818	Channel	1.20	383312	3425573	830	WGS 84	12	White quartz veinlets with strike and dip 65°/25° and a thickness - 10 cm, traces of hematite, jarosite and tourmaline are observed distributed on the fractures of the veinlets, they are hosted on the foliation of a cream-colored metarhyolite with texture medium grain, the alteration is very weak silicification + traces of sericite.	HE22238537	<0.005	<0.2	0.0017	0.0012	0.0028	<2	<2	<1	110	11	0.29	<10	<0.5	<2	0.09	<0.5	2	7	0.55	<10	0.18	10	0.02	441	<1	0.03	2	620	0.02	<1	<20	<0.01	<10	<10	3	<10	0.03
La Republicana	241819	Channel	0.80	383381	3425550	823	WGS 84	12	Quartz vein with a hydrothermal tectonic breccia texture, presents strike and dip 125°/70°, the mineralization is represented by hematite, goethite and jarosite in patches and filling cavities + tourmaline, it is hosted in cream-gray meta-rhyolite with texture medium grain.	HE22238537	<0.005	<0.2	0.0007	0.0005	0.0009	<2	<2	<1	110	8	0.24	<10	<0.5	<2	0.1	<0.5	1	7	0.36	<10	0.16	20	0.02	326	<1	0.03	3	390	0.02	<1	20	<0.01	<10	<10	2	<10	<0.01
La Republicana	241821	Channel	0.80	382823	3425503	967	WGS 84	12	Quartz vein with strike and dip 135°/10°, and an average thickness of 0.80 m, with traces of hematite + jarosite and oxidized pyrite with traces of calcite in the fractures.	HE22238537	0.008	<0.2	0.0003	0.0004	0.001	2	<2	<1	10	4	0.1	<10	<0.5	<2	0.05	<0.5	2	11	0.66	<10	0.01	<10	<0.01	163	<1	0.04	2	260	0.01	<1	<20	<0.01	<10	<10	1	<10	0.06
La Republicana	241822	Channel	0.80	382823	382823	963	WGS 84	12	Quartz veinlets with strike and dip 155°/25° and a thickness < 5 cm with traces of hematite and jarosite in small patches distributed between the fractures and oxidized pyrite, they are hosted on the foliation of a meta-sandstone with moderate silicification + sericite.	HE22238537	0.012	0.5	0.0004	0.0041	0.0014	8	<2	<1	40	15	0.17	40	<0.5	<2	0.35	<0.5	2	10	0.58	<10	0.01	<10	0.02	838	<1	0.08	3	1010	0.03	1	<20	<0.01	<10	<10	7	<10	0.12
La Republicana	241823	Channel	0.40	382851	3425486	959	WGS 84	12	Quartz vein with trend and dip 80°/12°, presents weak texture of hydrothermal tectonic breccia, patches of hematite, goethite, jarosite distributed among the fractures of the structure are observed.	HE22238537	0.170	0.2	0.0006	0.0012	0.0011	6	<2	<1	20	5	0.26	30	<0.5	<2	0.05	<0.5	6	6	1.98	<10	0.01	10	0.02	439	1	0.05	5	880	0.02	1	<20	<0.01	<10	<10	12	<10	0.39
La Republicana	242001	Channel	1.00	384805	3422653	720	WGS 84	12	Sub-parallel quartz veinlets <2 cm each, these veinlets form a veinlets zone with 6m width and, so far, 20m long. The observed mineralization was traces of specularite, galena, oxidized pyrite, hematite and jarosite. 6 samples was taken in this place in a channel of 1m each. Strike veinlets 135°/60-80°	HE22238537	0.494	9.5	0.0028	0.0246	0.0068	5	<2	<1	90	7	0.15	<10	<0.5	<2	0.11	1.3	1	7	0.77	<10	0.1	20	0.01	287	11	0.05	1	190	0.01	1	<20	<0.01	<10	<10	3	<10	11.25
La Republicana	242002	Channel	1.00	384805	3422653	720	WGS 84	12	Sub-parallel quartz veinlets <2 cm each, these veinlets form a veinlets zone with 6m width and, so far, 20m long. The observed mineralization was traces of specularite, galena, oxidized pyrite, hematite and jarosite. 6 samples was taken in this place in a channel of 1m each. Strike veinlets 135°/60-80°	HE22238537	0.018	1.3	0.0043	0.0053	0.0089	5	<2	<1	40	7	0.15	<10	<0.5	<2	0.17	3.3	1	7	0.94	<10	0.06	30	0.01	255	5	0.09	2	160	0.01	1	<20	<0.01	<10	<10	2	<10	0.82
La Republicana	242003	Channel	1.00	384805	3422653	720	WGS 84	12	Sub-parallel quartz veinlets <2 cm each, these veinlets form a veinlets zone with 6m width and, so far, 20m long. The observed mineralization was traces of specularite, galena, oxidized pyrite, hematite and jarosite. 6 samples was taken in this place in a channel of 1m each. Strike veinlets 135°/60-80°	HE22238537	0.755	10.5	0.0036	0.0116	0.0062	4	<2	<1	110	8	0.2	<10	<0.5	<2	0.17	1.5	1	7	0.97	<10	0.14	20	0.03	449	14	0.05	1	220	0.01	1	<20	<0.01	<10	<10	5	<10	12.95
La Republicana	242004	Channel	0.50	384832	3422634	720	WGS 84	12	Small mining work in quartz veins zone < 30 cm each, veins are in several direction (strikes 30°/70° and 130°/80°) and have a mineralization of low galena, pyrite and incipient chalcocopyrite, Sample 242004 channel in a quartz vein, 242005 chip in small quartz stockwork in hanging wall of previous sample, 242006 in sub-horizontal quartz nodules in the wall rock, and 242007 sample taken in dump.	HE22238537	0.387	8.6	0.0041	0.0177	0.0111	2	<2	<1	140	5	0.13	<10	<0.5	<2	0.04	2.9	1	12	0.71	<10	0.11	10	0.01	137	3	0.01	1	80	0.03	<1	<20	<0.01	<10	<10	2	<10	7.26
La Republicana	242005	Chip	0.50	384832	3422634	720	WGS 84	12	Small mining work in quartz veins zone < 30 cm each, veins are in several direction (strikes 30°/70° and 130°/80°) and have a mineralization of low galena, pyrite and incipient chalcocopyrite, Sample 242004 channel in a quartz vein, 242005 chip in small quartz stockwork in hanging wall of previous sample, 242006 in sub-horizontal quartz nodules in the wall rock, and 242007 sample taken in dump.	HE22238537	0.022	0.5	0.0036	0.0003	0.0042	3	<2	<1	90	5	0.15	<10	<0.5	<2	0.06	1.1	1	8	0.83	<10	0.11	10	0.01	235	9	0.04	1	160	0.01	1	<20	<0.01	<10	<10	2	<10	1.8
La Republicana	242006	Channel	1.00	384832	3422634	720	WGS 84	12	Small mining work in quartz veins zone < 30 cm each, veins are in several direction (strikes 30°/70° and 130°/80°) and have a mineralization of low galena, pyrite and incipient chalcocopyrite, Sample 242004 channel in a quartz vein, 242005 chip in small quartz stockwork in hanging wall of previous sample, 242006 in sub-horizontal quartz nodules in the wall rock, and 242007 sample taken in dump.	HE22238537	0.248	2.6	0.0021	0.0041	0.0057	<2	<2	<1	110	8	0.17	<10	<0.5	<2	0.09	1.9	1	8	0.62	<10	0.14	10	0.02	309	16	0.04	1	190	0.01	<1	<20	<0.01	<10	<10	2	<10	2.88
La Republicana	242007	Dump	0.50	384832	3422634	720	WGS 84	12	Small mining work in quartz veins zone < 30 cm each, veins are in several direction (strikes 30°/70° and 130°/80°) and have a mineralization of low galena, pyrite and incipient chalcocopyrite, Sample 242004 channel in a quartz vein, 242005 chip in small quartz stockwork in hanging wall of previous sample, 242006 in sub-horizontal quartz nodules in the wall rock, and 242007 sample taken in dump.	HE22238537	2.700	30.9	0.0078	0.0708	0.044	3	<2	1	40	3	0.05	<10	<0.5	<2	0.07	23.1	2	18	0.81	<10	0.05	<10	<0.01	118	6	<0.01	1	30	0.18	<1	<20	<0.01	<10	<10	1	<10	23.2
La Republicana	242008	Channel	0.50	384945	3422410	690	WGS 84	12	Quartz veinlets up to 4 cm with patches of hematite and oxidized pyrite, strike 105°/80°	HE22238537	<0.005	0.5	0.0024	0.0006	0.0011	<2	2	<1	70	5	0.28	<10	<0.5	<2	0.13	<0.5	<1	6	0.37	<10	0.26	30	0.01	192	<1	0.01	1	150	<0.01	<1	<20	<0.01	<10	<10	2	<10	0.05
La Republicana	242009	Channel	0.60	384936	3422402	690	WGS 84	12	Quartz veinlets up to 4 cm with patches of hematite and oxidized pyrite, strike 133°/70°	HE22238537	0.007	0.3	0.0027	0.0068	0.0028	2	<2	<1	70	4	0.26	<10	<0.5	<2	0.04	<0.5	1	5	0.57	<10	0.22	20	0.02	202	<1	0.01	1	100	<0.01	<1	<20	<0.01	<10	<10	4	<10	0.89
La Republicana	242010	Channel	0.60	384936	3422402	690	WGS 84	12	Quartz veinlets up to 4 cm with patches of hematite and oxidized pyrite, strike 133°/70°	HE22238537	<0.005	0.2	0.0017	0.0043	0.0027	2	<2	<1	70	4	0.22	<10	<0.5	<2	0.04	<0.5	1	10	0.54	<10	0.19	20	0.01	203	<1	0.01	1	120	<0.01	<1	<20	<0.01	<10	<10	3	<10	0.55
La Republicana	242011	Channel	0.70	384935	3422399	690	WGS 84	12	Sub-parallel quartz veinlets, up to 15 cm thick, jarosite and oxidized pyrite in the veins and patches in adjacent areas of the wall rock, strike 65°/45°	HE22238537	0.025	0.4	0.0026	0.0254	0.0025	2	<2	<1	80	5	0.24	<10	<0.5	<2	0.12	<0.5	1	5	0.54																		



La Republicana	242027	Channel	1.00	385256	3422581	815	WGS 84	12	Subparallel quartz veins up to 20 cm thick each, the veinlet zone is 3 m thick and 5 m long, incipient magnetite mineralization, oxidized bornite with malachite patches.	HE22251777	<0.005	<0.2	0.0147	0.003	0.0036	3	<2	<1	230	60	0.38	<10	<0.5	<2	5.49	1.5	6	6	1.37	<10	0.31	10	0.19	1660	<1	0.02	7	430	0.02	1	<20	0.03	<10	<10	18	<10	0.01
La Republicana	242028	Channel	0.90	385320	3422594	814	WGS 84	12	Quartz vein zone 1.8 m thick, with veins up to 0.4 m thick, trace mineralization of hematite, jarosite, malachite siderite and possible oxidized chalcocite related to manganese oxides. Strike 120°/60°	HE22251777	<0.005	0.5	0.0129	0.0019	0.0017	3	9	<1	90	8	0.22	<10	<0.5	<2	0.17	0.6	1	10	1.22	<10	0.17	10	0.01	157	<1	0.02	2	390	<0.01	1	<20	<0.01	<10	<10	8	<10	<0.01
La Republicana	242029	Channel	0.90	385320	3422594	814	WGS 84	12	Quartz vein zone 1.8 m thick, with veins up to 0.4 m thick, trace mineralization of hematite, jarosite, malachite siderite and possible oxidized chalcocite related to manganese oxides. Strike 120°/60°	HE22251777	<0.005	<0.2	0.0044	0.0007	0.0007	<2	4	<1	60	5	0.15	<10	<0.5	<2	0.07	<0.5	1	11	0.42	<10	0.12	10	0.01	139	<1	0.01	1	250	<0.01	<1	<20	<0.01	<10	<10	3	<10	<0.01
La Republicana	242030	Floated	1.00 x 1.00	385320	3422594	814	WGS 84	12	Quartz vein zone 1.8 m thick, with veins up to 0.4 m thick, trace mineralization of hematite, jarosite, malachite siderite and possible oxidized chalcocite related to manganese oxides. Strike 120°/60°	HE22251777	0.010	0.8	0.281	0.005	0.0023	21	74	<1	60	5	0.14	<10	<0.5	<2	0.05	0.7	2	11	2.24	<10	0.12	10	0.01	65	<1	0.01	2	170	0.02	<1	<20	<0.01	<10	<10	10	<10	0.01
La Republicana	242031	Channel	0.50	385402	3422418	816	WGS 84	12	Quartz veinlet zone 0.5 m wide, with quartz veinlets up to 3 cm thick, strike 125°/75°, jarosite and hematite mineralization.	HE22251777	<0.005	<0.2	0.0009	0.0007	0.0013	2	<2	<1	160	126	0.19	<10	<0.5	<2	2.7	0.6	2	7	1.22	<10	0.15	30	0.04	644	1	0.01	1	600	0.01	1	<20	0.01	<10	<10	7	<10	<0.01
La Republicana	242032	Channel	0.50	385358	3422487	818	WGS 84	12	Quartz veinlet zone 0.5 m wide, with quartz veinlets up to 3 cm thick, strike 302°/85°, jarosite and hematite mineralization.	HE22251777	<0.005	<0.2	0.0013	0.0008	0.0008	<2	<2	<1	90	6	0.3	<10	<0.5	<2	0.05	<0.5	1	5	0.75	<10	0.17	30	0.01	252	<1	0.01	1	320	0.01	<1	20	<0.01	<10	<10	3	<10	0.02
La Republicana	242033	Channel	0.60	385344	3422496	821	WGS 84	12	Quartz veinlet zone 0.5 m wide, with quartz veinlets up to 3 cm thick, strike 124°/80°, jarosite and hematite mineralization.	HE22251777	<0.005	0.2	0.007	0.009	0.0015	3	<2	<1	90	10	0.19	<10	<0.5	2	0.45	0.8	2	4	0.59	<10	0.15	20	0.02	334	7	0.02	1	210	0.01	<1	20	<0.01	<10	<10	3	<10	0.01
La Republicana	242034	Channel	0.60	385344	3422496	821	WGS 84	12	Quartz veinlet zone 0.5 m wide, with quartz veinlets up to 3 cm thick, strike 124°/80°, jarosite and hematite mineralization.	HE22251777	<0.005	<0.2	0.0019	0.0045	0.0018	3	<2	<1	110	7	0.33	<10	<0.5	<2	0.32	<0.5	2	6	0.88	<10	0.22	20	0.06	419	6	0.02	2	310	<0.01	1	<20	0.02	<10	<10	7	<10	0.01
La Republicana	242035	Channel	0.80	385342	3422509	818	WGS 84	12	Quartz veinlet zone 0.5 m wide, with quartz veinlets up to 3 cm thick, strike 124°/80°, jarosite and hematite mineralization.	HE22251777	<0.005	<0.2	0.0007	0.0004	0.0004	<2	<2	<1	80	7	0.18	<10	<0.5	<2	0.12	<0.5	<1	9	0.56	<10	0.15	20	0.01	189	<1	0.02	<1	280	0.01	<1	20	<0.01	<10	<10	3	<10	<0.01
La Republicana	242036	Channel	0.80	385328	3422513	824	WGS 84	12	Quartz veinlet zone 0.5 m wide, with quartz veinlets up to 3 cm thick, strike 305°/80°, jarosite and hematite mineralization.	HE22251777	<0.005	<0.2	0.0052	0.0009	0.0006	<2	<2	<1	100	13	0.22	<10	<0.5	<2	0.35	<0.5	1	6	0.29	<10	0.19	20	0.02	219	<1	0.02	1	420	0.01	<1	20	<0.01	<10	<10	2	<10	0.02
La Republicana	242037	Channel	1.00	385355	3422724	793	WGS 84	12	Zone of quartz-calcite veinlets 1 m wide, with structures up to 25 cm. Trace mineralization of specularite and manganese oxides is observed. General strike of veinlets 315°/70°.	HE22251777	<0.005	<0.2	0.0007	0.0055	0.0014	6	<2	<1	120	9	0.21	<10	<0.5	<2	0.09	<0.5	2	12	1.03	<10	0.1	10	0.06	735	<1	0.02	3	190	<0.01	2	<20	0.03	<10	<10	23	<10	0.03
La Republicana	242038	Channel	0.50	385366	3422741	796	WGS 84	12	Small mining work in quartz-siderite vein with 45cm width and strike 107/30. Low to moderate mineralization of specularite is observed. Sample 242038 was taken in hanging wall of the vein, Sample 242039 in a principal vein, and sample 241041 was taken in dump.	HE22251777	<0.005	<0.2	0.0005	0.005	0.0097	21	<2	<1	230	301	0.5	<10	<0.5	<2	13.4	<0.5	7	4	1.58	<10	0.14	10	0.55	5240	<1	<0.01	6	430	0.01	2	<20	0.02	<10	<10	16	<10	0.01
La Republicana	242039	Channel	0.50	385366	3422741	796	WGS 84	12	Small mining work in quartz-siderite vein with 45cm width and strike 107/30. Low to moderate mineralization of specularite is observed. Sample 242038 was taken in hanging wall of the vein, Sample 242039 in a principal vein, and sample 241041 was taken in dump.	HE22251777	<0.005	<0.2	0.0001	0.0031	0.0013	10	<2	<1	170	209	0.09	<10	<0.5	<2	6.51	<0.5	2	7	0.79	<10	0.05	<10	0.08	3320	<1	<0.01	2	180	0.01	1	<20	0.01	<10	<10	6	<10	0.01
La Republicana	242041	Dump	1.00	385366	3422741	796	WGS 84	12	Small mining work in quartz-siderite vein with 45cm width and strike 107, 30. Low to moderate mineralization of specularite is observed. Sample 242038 was taken in hanging wall of the vein, Sample 242039 in a principal vein, and sample 241041 was taken in dump.	HE22251777	<0.005	<0.2	#VALUE!	0.004	0.0009	8	<2	<1	220	254	0.08	<10	<0.5	<2	7.5	<0.5	1	7	0.85	<10	0.06	<10	0.07	4190	<1	<0.01	1	140	0.01	1	<20	0.01	<10	<10	5	<10	0.01
La Republicana	242042	Channel	1.00	385343	3422770	789	WGS 84	12	Small mining work in folded meta-andesite with malachite-azurite patches between foliation (Strike 120/25)	HE22251777	<0.005	75.2	0.843	0.0026	0.0031	12	<2	<1	70	51	0.21	<10	<0.5	<2	2.12	0.5	3	7	5.39	<10	0.09	20	0.04	744	<1	0.08	1	1140	0.01	4	<20	0.15	<10	<10	83	<10	<0.01
La Republicana	242043	Channel	1.00	385210	3422991	790	WGS 84	12	Possible continuation of La Republicana Vein. Quartz vein with 0.4 m width, strike 115°/50, and 3 m long, with low mineralization of galena, specularite, hematite, and jarosite. Sample 242043 was taken in footwall of vein, sample 242044 was taken in the vein, sample 242045 was taken in the hanging wall.	HE22251777	0.011	2.9	0.0082	0.0031	0.0144	5	<2	<1	290	92	1.29	<10	<0.5	<2	4.6	<0.5	31	9	4.65	<10	0.38	10	1.36	1965	<1	0.01	40	970	<0.01	4	<20	0.02	<10	<10	34	<10	0.09
La Republicana	242044	Channel	0.40	385210	3422991	790	WGS 84	12	Possible continuation of La Republicana Vein. Quartz vein with 0.4 m width, strike 115°/50, and 3 m long, with low mineralization of galena, specularite, hematite, and jarosite. Sample 242043 was taken in footwall of vein, sample 242044 was taken in the vein, sample 242045 was taken in the hanging wall.	HE22251777	1.445	17.5	0.0026	0.517	0.0239	5	<2	<1	120	23	0.07	<10	<0.5	<2	1.28	9.8	2	13	0.67	<10	0.04	<10	0.05	599	44	<0.01	1	140	0.08	1	<20	<0.01	<10	<10	9	<10	24.8
La Republicana	242045	Channel	1.00	385210	3422991	790	WGS 84	12	Possible continuation of La Republicana Vein. Quartz vein with 0.4 m width, strike 115°/50, and 3 m long, with low mineralization of galena, specularite, hematite, and jarosite. Sample 242043 was taken in footwall of vein, sample 242044 was taken in the vein, sample 242045 was taken in the hanging wall.	HE22251777	0.036	1.1	0.0025	0.0111	0.0412	6	<2	<1	470	178	1.37	<10	<0.5	<2	9.4	3	21	4	3.71	<10	0.85	10	1.07	2670	1	<0.01	11	890	0.06	3	<20	0.11	<10	<10	34	<10	0.96
La Republicana	242046	Channel	0.50	385086	3422895	777	WGS 84	12	Sub parallel quartz veinlets <30cm, forming a veinlets zone of 2.5 m width and 3 m long, traces to low mineralization of malachite, azurite, jarosite and incipient chalcocite is observed, strike of veinlets zone 40/25.	HE22251777	0.083	21.6	0.585	0.0024	0.0023	9	65	<1	80	21	0.22	<10	<0.5	<2	0.32	<0.5	4	8	0.95	<10	0.16	10	0.02	235	<1	0.02	<1	290	0.03	1	<20	<0.01	<10	<10	4	<10	0.85
La Republicana	242047	Channel	1.00	385086	3422895	777	WGS 84	12	Sub parallel quartz veinlets <30cm, forming a veinlets zone of 2.5 m width and 3 m long, traces to low mineralization of malachite, azurite, jarosite and incipient chalcocite is observed, strike of veinlets zone 40/25.	HE22251777	0.237	29.8	0.586	0.0022	0.0028	8	60	<1	130	8	0.2	<10	<0.5	<2	0.36	0.7	2	7	1.34	<10	0.12	10	0.02	391	<1	0.04	<1	440	0.05	1	<20	0.03	<10	<10	11	<10	1.35
La Republicana	242048	Channel	1.00	385086	3422895	777	WGS 84	12	Sub parallel quartz veinlets <30cm, forming a veinlets zone of 2.5 m width and 3 m long, traces to low mineralization of malachite, azurite, jarosite and incipient chalcocite is observed, strike of veinlets zone 40/25.	HE22251777	0.059	7.9	0.1245	0.0011	0.0017	4	20	<1	90	13	0.17	<10	<0.5	<2	0.63	<0.5	2	9	1.68	<10	0.07	20	0.01	395	<1	0.06	1	600	0.01	2	<20	0.04	<10	<10	15	<10	0.23
La Republicana	242049	Floated	1.00	385066	3422903	771	WGS 84	12	Floated quartz vein fragments, in a within small collapsed mining work, with traces of chalcocite, malachite, hematite and jarosite.	HE22251777	6.230	3.2	0.0566	0.0349	0.0013	3	<2	<1	110	4	0.11	<10	<0.5	<2	0.02	<0.5	2	15	0.6	<10	0.09	10	0.01	80	<1	<0.01	<1	40	0.01	<1	<20	<0.01	<10	<10	12	<10	0.32
La Republicana	242050	Channel	1.20	385127	3422964	780	WGS 84	12	White Quartz veinlets zone with veins <6cm thick, traces of jarosite patches was observed.	HE22251777	0.065	1.3	0.0097	0.0355	0.0038	47	<2	<1	80	7	0.29	<10	<0.5	<2	0.12	0.7	4	8	1.84	<10	0.13	20	0.03	300	6	0.05	1	460	0.03	2	<20	0.03	<10	<10	15	<10	6.29
La Republicana	242051	Channel	0.50	385127	3422964	780	WGS 84	12	White Quartz veinlets zone with veins <6cm thick, traces of jarosite patches was observed.	HE22251777	0.026	0.2	0.0091	0.0032	0.0028	15	<2	<1	100	9	0.51	<10	<0.5	<2	0.15	<0.5	6	6	1.99	<10	0.23	20	0.08	287	5	0.04	2	460	0.02	2	<20	0.05	<10	<10	19	<10	0.94
La Republicana	242052	Channel	1.00	384918	3422936	750	WGS 84	12	Quartz-tourmaline veinlets <5cm, forming veinlets zone of 1 m width and 2 m long, strike 54/2. Traces of hematite and oxidized pyrite was observed in veinlets and wall rock.	HE22251777	0.226	1.5	0.0048	0.006	0.0067	4	<2	<1	90	75	0.53	<10	<0.5	<2	2.59	1.2	6	7	1.66	<10	0.17	10	0.3	1145	1	0.02	4	380	<0.01	1	<20	0.01	<10	<10	6	130	0.94
La Republicana	242053	Dump	1.00	385911	3422943	912	WGS 84	12	Vertical shaft of 2x3, in a quartz-tourmaline vein with 1.2 m width, and general strike of 320/70. Low mineralization of hematite and chrysocolla. Sample was taken in dump because the mining work is inaccessible.	HE22251777	0.061	13.4	2.41	0.0005	0.0007	2	<2	<1	460	29	0.24	10	<0.5	5	0.23	<0.5	2	19	0.73	<10	0.01	<10	0.26	78	<1	0.02											

La Republicana	242073	Channel	1.00	384219	3423806	852	WGS 84	12	Quartz tourmaline vein of 0.5 m width, located between rock's foliation with strike 13/25. Mineralization of hematite and manganese oxides. Sample 242072 was taken in the vein, sample 242073 was taken in the hanging wall of the vein.	HE22271622	0.033	0.5	0.0094	0.0008	0.0077	3	<2	<1	140	45	0.49	<10	<0.5	2	1.38	<0.5	10	3	2.23	<10	0.28	10	0.15	1585	2	0.01	3	1800	0.01	1	<20	0.01	<10	<10	9	<10	1.1
La Republicana	242074	Channel	0.50	384199	3423828	857	WGS 84	12	Quartz veinlets zone of 0.5 m thick, with veinlets <10cm width, in strike 20/25. Mineralization of hematite, jarosite and manganese oxides.	HE22271622	<0.005	<0.2	0.0018	0.0005	0.0108	3	<2	<1	130	24	0.76	<10	<0.5	<2	0.56	<0.5	9	5	1.55	<10	0.25	10	0.48	1325	2	0.02	1	1300	0.01	1	<20	0.08	<10	<10	6	<10	0.03
La Republicana	242075	Channel	0.50	384252	3423938	863	WGS 84	12	Buried small mining work, trench of 5 m long, 2m thick and 0.8 m depth, made in quartz veinlets zone, with veinlets <5cm width, in strike 130/55. Mineralization of hematite, jarosite, malachite, chrisocolla and manganese oxides. Sample 242075 was taken in veinlets zone, sample 242076 was taken in selective quartz fragments from the dump.	HE22271622	0.585	0.4	0.0044	0.0004	0.0015	2	<2	<1	60	12	0.34	<10	<0.5	<2	0.16	<0.5	2	8	1.17	<10	0.07	<10	0.11	456	<1	0.03	2	350	0.01	1	<20	0.01	<10	<10	10	<10	0.01
La Republicana	242076	Dump	1.00	384252	3423938	863	WGS 84	12	Buried small mining work, trench of 5 m long, 2m thick and 0.8 m depth, made in quartz veinlets zone, with veinlets <5cm width, in strike 130/55. Mineralization of hematite, jarosite, malachite, chrisocolla and manganese oxides. Sample 242075 was taken in veinlets zone, sample 242076 was taken in selective quartz fragments from the dump.	HE22271622	17.850	38.2	0.0593	0.0038	0.0009	<2	<2	2	10	2	0.11	<10	<0.5	7	0.03	<0.5	1	15	0.53	<10	0.01	<10	0.06	94	2	0.02	1	50	0.02	<1	<20	<0.01	<10	<10	4	<10	0.01
La Republicana	242077	Chip	1.00	384263	3423924	860	WGS 84	12	Quartz vein floated (in situ), with hematite, jarosite and incipient manganese oxides. General strike 140/70	HE22271622	0.051	0.4	0.0004	0.0001	0.0001	<2	<2	<1	10	1	0.02	<10	<0.5	<2	0.01	<0.5	<1	17	0.23	<10	0.01	<10	<0.01	73	<1	0.01	<1	20	0.01	<1	<20	<0.01	<10	<10	<1	<10	0.01
La Republicana	242078	Chip	0.50	384241	3423860	840	WGS 84	12	Quartz veinlets zone of 0.5 m thick, with veinlets <3cm width, in strike 170/70. Mineralization of hematite, jarosite and manganese oxides. Meta andesite with moderate chlorite-epidote-silica alteration.	HE22271622	0.009	1.6	0.0007	0.0009	0.0046	2	<2	<1	60	97	0.64	<10	<0.5	<2	2.13	<0.5	5	12	2.96	<10	0.22	10	0.19	978	<1	0.02	9	730	0.01	2	<20	0.05	<10	<10	29	<10	0.01
La Republicana	242079	Channel	0.25	384088	3423504	804	WGS 84	12	Quartz veinlet with 0.2 m width and 20 m long, with hematite and jarosite patches. Strike 155/38.	HE22271622	0.150	0.4	0.0003	0.0001	0.0009	<2	<2	<1	20	9	0.23	<10	<0.5	<2	0.09	<0.5	2	11	0.52	<10	0.01	<10	0.14	116	<1	0.02	2	170	0.01	<1	<20	<0.01	<10	<10	5	<10	1.85
La Republicana	242081	Chip	1.00	383892	3423654	831	WGS 84	12	Quartz tourmaline vein floated (in situ), with hematite, jarosite and incipient manganese oxides. General strike 145/50	HE22271622	56.900	15.9	0.0004	0.0001	0.0001	<2	<2	2	<10	1	0.02	<10	<0.5	10	0.01	<0.5	<1	12	0.19	<10	<0.01	<10	0.01	27	<1	0.01	1	10	0.01	<1	<20	<0.01	<10	<10	1	<10	11.2
La Republicana	242082	Channel	0.50	383926	3423616	825	WGS 84	12	0.50 m channel sample in quartz tourmaline vein striking 545/60, mineralization of sporadic hematite and jarosite patches.	HE22271622	1.470	1.1	0.0001	0.0001	0.0001	<2	<2	<1	10	1	0.02	<10	<0.5	<2	0.01	<0.5	<1	14	0.23	<10	<0.01	<10	<0.01	65	<1	0.01	1	40	0.01	<1	<20	<0.01	<10	<10	1	<10	1.64
La Republicana	242083	Chip	0.50	383949	3423583	818	WGS 84	12	Quartz vein floated (in situ), with hematite, jarosite and incipient manganese oxides. General strike 140/40	HE22271622	0.016	0.2	0.0001	0.0001	0.0001	<2	<2	<1	<10	1	0.01	<10	<0.5	<2	0.02	<0.5	<1	20	0.25	<10	<0.01	<10	0.01	41	<1	0.01	<1	40	0.01	<1	<20	<0.01	<10	<10	<1	<10	0.08
La Republicana	242084	Chip	0.50	383938	3423548	808	WGS 84	12	Quartz vein floated (in situ), with hematite, jarosite and incipient manganese oxides. General strike 150/50	HE22271622	0.066	<0.2	0.0003	0.0001	0.0003	<2	<2	<1	<10	1	0.01	<10	<0.5	<2	0.01	<0.5	<1	20	0.25	<10	<0.01	<10	<0.01	41	<1	0.01	1	30	0.01	<1	<20	<0.01	<10	<10	<1	<10	0.04
La Republicana	242085	Channel	1.00	383924	3423535	806	WGS 84	12	Quartz tourmaline vein of 1 m width, strike 290/65. Mineralization of hematite and jarosite, rare specularite.	HE22271622	0.184	<0.2	0.0005	0.0001	0.0003	2	<2	<1	10	2	0.04	20	<0.5	<2	0.03	<0.5	<1	16	0.29	<10	<0.01	<10	0.01	63	<1	0.01	<1	180	0.01	<1	<20	<0.01	<10	<10	2	<10	0.01
La Republicana	242086	Channel	1.00	383971	3423497	792	WGS 84	12	Quartz tourmaline vein of 1 m width, strike 135/75. Mineralization of hematite and jarosite, rare specularite.	HE22271622	<0.005	<0.2	0.0006	0.0001	0.0004	2	<2	<1	20	2	0.03	<10	<0.5	<2	0.02	<0.5	1	15	0.4	<10	0.01	<10	0.01	185	<1	0.01	<1	70	0.01	<1	<20	<0.01	<10	<10	4	<10	0.01
La Republicana	242087	Channel	1.00	384051	3423429	782	WGS 84	12	Quartz tourmaline vein of 1 m width, strike 315/85. Mineralization of hematite and jarosite, rare specularite.	HE22271622	0.007	<0.2	0.0002	0.0001	0.0003	<2	<2	<1	10	1	0.02	<10	<0.5	<2	0.01	<0.5	<1	18	0.26	<10	<0.01	<10	<0.01	82	<1	0.01	1	70	0.01	<1	<20	<0.01	<10	<10	1	<10	0.01
La Republicana	242088	Channel	0.70	384101	3423395	786	WGS 84	12	Quartz tourmaline vein of 0.7 m width, strike 127/70. Mineralization of hematite and jarosite, rare specularite.	HE22271622	0.245	0.3	0.0002	0.0001	0.0001	<2	<2	<1	<10	1	0.01	<10	<0.5	<2	0.01	<0.5	<1	16	0.26	<10	<0.01	<10	<0.01	44	<1	0.01	<1	20	0.01	<1	<20	<0.01	<10	<10	1	<10	<0.01
La Republicana	242089	Channel	0.50	384441	3423389	784	WGS 84	12	Quartz-Calcite-tourmaline vein of 0.5 m width, strike 278/75. Mineralization of hematite and jarosite, rare specularite.	HE22284998	<0.005	<0.2	0.0003	0.0023	0.0003	<2	<2	<1	10	717	0.03	<10	<0.5	<2	18.7	<0.5	<1	4	0.31	<10	<0.01	<10	0.09	4000	<1	0.02	<1	130	<0.01	5	<20	<0.01	<10	<10	2	<10	<0.01
La Republicana	242090	Channel	0.30	384434	3423409	784	WGS 84	12	Quartz-tourmaline vein of 0.3 m width, strike 345/30. Mineralization of hematite and jarosite, rare goethite.	HE22284998	0.162	0.9	0.0147	0.0011	0.0088	<2	<2	<1	30	28	0.83	20	<0.5	<2	0.6	<0.5	8	7	1.61	<10	0.06	10	0.51	1400	<1	0.03	10	460	<0.01	1	<20	<0.01	<10	<10	11	<10	0.52
La Republicana	242091	Channel	0.40	384374	3423443	796	WGS 84	12	Quartz tourmaline vein of 0.4 m width, strike 300/80. Mineralization of hematite and jarosite, rare specularite.	HE22284998	<0.005	<0.2	0.0004	0.0002	0.0005	<2	<2	<1	90	4	0.06	10	<0.5	<2	0.03	<0.5	<1	15	0.36	<10	0.01	<10	0.01	723	1	0.02	2	50	<0.01	<1	<20	<0.01	<10	<10	3	<10	<0.01
La Republicana	242092	Chip	0.80	384351	3423457	799	WGS 84	12	Quartz vein floated (in situ), with hematite, jarosite and incipient manganese oxides. General strike 310/70	HE22284998	<0.005	<0.2	0.0014	0.0003	0.0069	3	<2	<1	220	12	0.4	<10	<0.5	<2	0.11	<0.5	4	12	1.16	<10	0.11	10	0.1	1255	1	0.01	4	160	<0.01	1	<20	<0.01	<10	<10	10	<10	0.01
La Republicana	242093	Channel	0.50	384339	3423461	801	WGS 84	12	Quartz veinlets zone of 0.5 m thick, with veinlets <7cm width, in strike 328/43. Mineralization of hematite, jarosite and manganese oxides.	HE22284998	<0.005	<0.2	0.0039	0.0007	0.0053	16	2	<1	410	26	0.27	<10	0.5	<2	0.06	<0.5	5	11	1.64	<10	0.12	10	0.04	2090	4	<0.01	4	80	<0.01	1	<20	<0.01	<10	<10	34	<10	0.09
La Republicana	242094	Chip	1.00	384273	3423373	795	WGS 84	12	Quartz-muscovite-tourmaline vein of 0.5 m width, trend Az 320. dip can not know for sure because the vein are a bit buried (dip between 15 and 50°). Mineralization of hematite and jarosite, rare specularite and malachite.	HE22284998	<0.005	0.6	0.006	0.0003	0.02	<2	<2	<1	20	15	1	<10	<0.5	4	0.75	<0.5	14	12	1.88	<10	0.05	<10	0.68	1610	<1	0.02	7	180	<0.01	<1	<20	<0.01	<10	<10	8	<10	0.27
La Republicana	242095	Chip	1.00	384233	3423370	789	WGS 84	12	Quartz-tourmaline vein of 1 m width, strike 90/60. Mineralization of hematite and jarosite, rare specularite. Local fault cutting to the vein with an strike of 300/60	HE22284998	<0.005	<0.2	0.0002	0.0001	0.0008	<2	<2	<1	20	4	0.07	<10	<0.5	<2	0.07	<0.5	<1	14	0.39	<10	0.01	<10	0.04	305	<1	0.02	2	140	<0.01	<1	<20	<0.01	<10	<10	1	<10	0.08
La Republicana	242096	Selective	0.50	384101	3423718	839	WGS 84	12	Quartz veinlets zone of 0.5 m thick, with veinlets <10cm width, in strike 305/65. Mineralization of hematite, jarosite, malachite, chalcocopyrite and traces of galena. Meta andesite with moderate chlorite-epidote-silica alteration. Sample 242096 is a selective sample from quartz veinlets, sample 242097 is a perpendicular channel in veinlets zone.	HE22284998	<0.005	2.9	0.0545	0.0989	0.038	9	4	<1	70	71	1.71	<10	<0.5	2	1.12	0.7	34	18	2.55	<10	0.12	10	1.01	2260	2	0.02	17	780	0.01	3	<20	0.15	<10	<10	26	<10	0.03
La Republicana	242097	Channel	1.10	384101	3423718	839	WGS 84	12	Quartz veinlets zone of 0.5 m thick, with veinlets <10cm width, in strike 305/65. Mineralization of hematite, jarosite, malachite, chalcocopyrite and traces of galena. Meta andesite with moderate chlorite-epidote-silica alteration. Sample 242096 is a selective sample from quartz veinlets, sample 242097 is a perpendicular channel in veinlets zone.	HE22284998	0.011	4.8	0.337	0.623	0.064	4	<2	<1	80	104	2.35	<10	<0.5	16	1.52	1.7	29	16	3.5	<10	0.09	10	1.44	2800	12	0.02	21	920	<0.01	3	<20	0.17	<10	<10	33	<10	0.04
La Republicana	242098	Channel	0.75	383878	3423999	919	WGS 84	12	Small mining work, trench made in Quartz vein of 0.75 m thick and 2 m long, with a strike of 75/62 and mineralization of hematite, jarosite and traces of galena. At the footwall of the vein, there is a younger porphyritic andesitic dyke without mineralization. Sample 242098 was taken in the vein and sample 242099 was taken in the hanging wall from irregular quartz veinlets in meta rhyolite with sericite-silica alteration.	HE22284998	16.450	39.1	0.0042	0.0545	0.0063	6	<2	6	<10	7	0.02	<10	<0.5	4	0.01	0.5	1	16	1.03	<10	0.01	<10	<0.01	49	5	0.02	<1	10	<0.01	<1	<20	<0.01	<10	<10	4	<10	31.4
La Republicana	242099	Channel	1.00	383878	3423999	919	WGS 84	12	Small mining work, trench made in Quartz vein of 0.75 m thick and 2 m long, with a strike of 75/62 and mineralization of hematite, jarosite and traces of galena. At the footwall of the vein, there is a younger porphyritic andesitic dyke without mineralization. Sample 242098 was taken in the vein and sample 242099 was taken in the hanging wall from irregular quartz veinlets in meta rhyolite with sericite-silica alteration.	HE22284998	0.172	2.7	0.0111	0.023	0.0301	2	<2	<1	20	9	0.31																										

La Republicana	242317	Chip	0.50	384062	3423226	754	WGS 84	12	Fractures in meta andesite with incipient patches of malachite associated to quartz hairlines with manganese oxides. Strike of fractures 2/80°.	HE22284998	<0.005	<0.2	0.0029	0.0003	0.0092	5	<-2	<-1	50	71	1.88	<10	<0.5	<-2	1.25	<0.5	16	6	3.33	10	0.04	10	1.56	797	<-1	0.05	8	1030	<0.01	2	<-20	0.13	<10	<10	49	<10	0.01
La Republicana	242318	Channel	0.30	384062	3423226	754	WGS 84	12	Quartz-tourmaline vein of 15 cm width, with mineralization of coarse specularite. Strike of veinlet 320/80.	HE22284998	0.006	<0.2	0.002	0.0004	0.0048	4	<-2	<-1	50	81	1.47	10	<0.5	<-2	1.17	<0.5	12	9	2.21	<10	0.04	<10	0.98	818	<-1	0.04	8	670	<0.01	3	<-20	0.16	<10	<10	45	<10	0.03
La Republicana	242319	Channel	1.00	384131	3423158	748	WGS 84	12	Channel sample in veinlets zone of 1 m thick, with veinlets of <10 cm width each, mineralization of coarse specularite and strike of 135/85.	HE22284998	<0.005	<0.2	0.0004	0.0004	0.0056	6	<-2	<-1	50	94	1.07	<10	<0.5	<-2	1.94	<0.5	7	8	1.71	<10	0.04	<10	0.79	871	<-1	0.04	5	800	<0.01	2	<-20	0.07	<10	<10	28	<10	0.04
La Republicana	242321	Channel	1.00	383597	3424486	823	WGS 84	12	Old mining work, shaft of 24.2 m area and 9 m depth, made in a quartz veinlets zone of 2 m width emplaced between foliation of meta rhyolite, with strike 115/35. Mineralization is galena, pyrite, chalcocite and incipient covellite. Due to the mining work is inaccessible, sample was taken near of surface, in a channel of 1 m perpendicular to vein.	HE22284998	1.360	12.2	0.0264	0.324	0.024	<-2	<-2	<-1	40	8	0.08	<10	<0.5	9	0.03	50	2	11	0.59	<10	0.06	<10	0.01	110	2	0.02	1	120	0.1	<-1	<-20	<0.01	<10	<10	3	10	14.75
La Republicana	242322	Chip	1.00	383579	3424500	824	WGS 84	12	Chip sample in continuation of vein zone of the previous sample, floated of quartz fragments with traces of galena-hematite.	HE22284998	0.091	1.7	0.003	0.0104	0.0008	<-2	<-2	<-1	40	23	0.06	<10	<0.5	<-2	0.29	<0.5	1	14	0.68	<10	0.04	<10	0.01	61	1	0.02	2	110	0.05	<-1	<-20	<0.01	<10	<10	2	130	1.34
La Republicana	242323	Channel	0.50	383541	3424517	827	WGS 84	12	Continuation of the previous vein, strike 120/20, quartz vein with 0.5 m width and galena-pyrite-hematite mineralization.	HE22284998	0.644	3.4	0.0034	0.0195	0.0019	<-2	<-2	<-1	10	2	0.04	<10	<0.5	<-2	0.07	1.4	1	14	0.74	<10	0.02	<10	0.01	66	1	0.02	1	20	0.03	<-1	<-20	<0.01	<10	<10	5	10	3.82
La Republicana	242324	Channel	0.60	383529	3424523	827	WGS 84	12	Continuation of the previous vein, strike 100/20, quartz vein with 0.6 m width and galena-pyrite-hematite mineralization.	HE22284998	4.030	41.2	0.0175	0.496	0.0153	<-2	<-2	3	40	5	0.04	<10	<0.5	12	0.01	18.8	<-1	17	0.61	<10	0.03	<10	<0.01	51	3	0.02	1	80	0.09	<-1	<-20	<0.01	<10	<10	11	<10	41.1
La Republicana	242325	Channel	0.80	383503	3424533	825	WGS 84	12	Continuation of the previous vein, strike 100/20, quartz vein with 0.8 m width and galena-pyrite-hematite mineralization.	HE22284998	1.605	18.8	0.0029	0.314	0.015	<-2	<-2	1	20	4	0.03	<10	<0.5	7	<0.01	19.8	<-1	16	0.57	<10	0.02	<10	<0.01	47	2	0.02	<-1	90	0.08	<-1	<-20	<0.01	<10	<10	3	20	20.7
La Republicana	242326	Channel	0.60	383476	3424538	824	WGS 84	12	Continuation of the previous vein, strike 120/20, quartz vein with 0.6 m width. Decrease galena-pyrite-hematite mineralization.	HE22284998	0.006	0.2	0.0003	0.0041	0.0002	<-2	<-2	<-1	20	2	0.03	<10	<0.5	<-2	0.01	<0.5	<-1	16	0.35	<10	0.02	<10	<0.01	69	<-1	0.02	<-1	50	<0.01	<-1	<-20	<0.01	<10	<10	1	<10	0.2
La Republicana	242327	Channel	0.40	383626	3424477	818	WGS 84	12	Small shaft of 1.5 m X 1.8 m and 10 m of depth, made in quartz vein of low angle, with 0.3 width and strike 110°/25, mineralization of traces of galena, pyrite, jarosite and incipient chalcocite and malachite. Vein is emplaced between foliation planes of meta rhyolite. 3 channel samples were collected, sample 242327 channel of 0.4 m taken in hanging wall of vein, 242328 channel of 0.35 m in quartz vein, and 242329 channel of 0.4 m in footwall.	HE22284998	0.021	<0.2	0.0018	0.0029	0.0024	2	<-2	<-1	140	18	0.41	<10	<0.5	<-2	0.31	<0.5	5	2	1.86	<10	0.28	30	0.04	482	1	0.04	3	610	<0.01	1	20	0.01	<10	<10	10	<10	0.12
La Republicana	242328	Channel	0.35	383626	3424477	818	WGS 84	12	Small shaft of 1.5 m X 1.8 m and 10 m of depth, made in quartz vein of low angle, with 0.3 width and strike 110°/25, mineralization of traces of galena, pyrite, jarosite and incipient chalcocite and malachite. Vein is emplaced between foliation planes of meta rhyolite. 3 channel samples were collected, sample 242327 channel of 0.4 m taken in hanging wall of vein, 242328 channel of 0.35 m in quartz vein, and 242329 channel of 0.4 m in footwall.	HE22284998	8.030	44.7	0.0348	0.253	0.0079	3	<-2	<-1	30	4	0.11	<10	<0.5	6	0.02	3.3	1	12	0.78	<10	0.08	<10	0.01	153	4	0.02	1	80	0.06	<-1	<-20	<0.01	<10	<10	8	20	30.6
La Republicana	242329	Channel	0.40	383626	3424477	818	WGS 84	12	Small shaft of 1.5 m X 1.8 m and 10 m of depth, made in quartz vein of low angle, with 0.3 width and strike 110°/25, mineralization of traces of galena, pyrite, jarosite and incipient chalcocite and malachite. Vein is emplaced between foliation planes of meta rhyolite. 3 channel samples were collected, sample 242327 channel of 0.4 m taken in hanging wall of vein, 242328 channel of 0.35 m in quartz vein, and 242329 channel of 0.4 m in footwall.	HE22284998	0.050	0.6	0.0059	0.0182	0.0105	4	<-2	<-1	140	17	0.41	<10	<0.5	<-2	0.2	5.9	6	2	1.65	<10	0.27	30	0.05	618	1	0.04	3	620	<0.01	1	20	<0.01	<10	<10	8	10	0.48
La Republicana	242330	Chip	0.50	383900	3424507	843	WGS 84	12	Chip sample of 0.5 m X 0.5 m, in quartz-tourmaline veinlets zone with veins until 10 cm width. Veinlets are emplaced in a preferential strike of 335°/80° within meta andesitic sequence. Traces of jarosite and hematite concentrated in rock's fractures.	HE22284998	<0.005	<0.2	0.0004	0.0005	0.0091	3	<-2	<-1	60	57	2.13	<10	<0.5	<-2	0.92	<0.5	16	21	2.78	<10	0.1	10	1.31	998	1	0.03	21	1030	<0.01	3	<-20	0.19	<10	<10	38	<10	0.06
La Republicana	242331	Chip	1.00	383838	3424603	825	WGS 84	12	Chip sample in possible meta-gabbroic body, with thin quartz veinlets <2 cm in a preferential strike 280°/80°. Traces of fine grained pyrite, disseminates as well as in fine chrystals within quartz veinlets.	HE22284998	0.009	0.4	0.0082	0.0048	0.0066	5	3	<-1	70	179	5.73	10	<0.5	<-2	3.7	0.6	24	193	3.44	10	0.06	<10	1.62	495	<-1	0.55	74	210	0.02	6	<-20	0.08	<10	<10	86	<10	0.05
La Republicana	242332	Chip	1.00	383825	3424601	823	WGS 84	12	Chip sample in possible meta-gabbroic body, with thin quartz veinlets <2 cm in a preferential strike 280°/80°. Traces of fine grained pyrite, disseminates as well as in fine chrystals within quartz veinlets.	HE22284998	<0.005	<0.2	0.0007	0.0053	0.0021	2	2	<-1	100	134	4.14	20	<0.5	<-2	3.24	0.7	5	23	1.12	10	0.41	<10	0.36	220	<-1	0.64	16	160	0.01	3	<-20	0.04	<10	<10	32	<10	0.01
La Republicana	242333	Chip	1.00	383842	3424616	825	WGS 84	12	Chip sample in possible meta-gabbroic body, with thin quartz veinlets <2 cm in a preferential strike 280°/80°. Traces of fine grained pyrite, disseminates as well as in fine chrystals within quartz veinlets. Fractures with hematite patches with strike 15°/80°.	HE22284998	<0.005	0.3	0.0076	0.0015	0.0145	<-2	<-2	<-1	30	223	4.98	10	<0.5	<-2	3.2	<0.5	24	246	3.71	10	0.06	<10	2.12	555	<-1	0.5	76	60	0.03	9	<-20	0.15	<10	<10	130	<10	0.02
Las Carmelitas	241681	Channel	1.00	384017	3418139	510	WGS 84	12	Fault zone in andesitic agglomerate. Quartz-siderite veinlets between fractures related to fault zone. Traces of malachite and incipient chalcocite were observed. General strike of fault zone and veinlets 60°/45°.	HE22218883	0.009	1.9	0.665	0.0011	0.0136	24	277	10	890	526	0.43	10	<0.5	<-2	9.8	<0.5	17	5	2.98	<10	10	<10	1.86	946	<-1	<0.01	18	690	0.01	3	<-20	<0.01	<10	<10	25	<10	0.02
Las Carmelitas	241682	Channel	1.00	384035	3418187	510	WGS 84	12	Quartz-siderite veinlets with malachite and incipient chalcocite mineralization. General strike 340°/48°.	HE22218883	0.300	116	2.09	0.0005	0.125	96	4250	246	1120	215	0.4	10	<0.5	6	4.69	6.2	17	4	3.58	<10	246	10	0.65	656	<-1	0.02	6	820	0.21	4	<-20	<0.01	<10	<10	21	<10	0.47
Las Carmelitas	241824	Dump	0.50 x 0.50	384189	3418143	511	WGS 84	12	Fragments of structure with a strongly silicified tectonic breccia texture, patches of hematite, jarosite, ankerite, siderite and traces of malachite are observed.	HE22238537	0.116	67.1	2.25	0.0015	0.0344	623	3780	611	2200	429	0.25	10	<0.5	5	6	0.7	11	6	4.07	<10	0.1	<10	0.73	721	1	0.02	7	330	0.16	3	<-20	<0.01	<10	<10	55	<10	0.11
Las Carmelitas	241825	Channel	0.40	384027	3418240	509	WGS 84	12	Quartz veinlet in fault zone with strike and dip 30°/35° and a thickness of 5 cm, weak patches of hematite, jarosite, ankerite - siderite are observed distributed between the fractures + patches of calcite, it is hosted in andesitic volcanic agglomerate.	HE22238537	<0.005	<0.2	0.0026	0.0007	0.0053	4	4	1	1690	488	0.41	<10	<0.5	<-2	10.3	<0.5	13	7	2.41	<10	0.12	10	1.07	1220	<-1	0.03	8	490	0.05	3	<-20	0.02	<10	<10	33	<10	<0.01
Las Carmelitas	241826	Channel	1.80	384004	3418209	510	WGS 84	12	Veinlet zone with strike and dip 0°/50° and a thickness < 1 cm, traces of jarosite and ankerite-siderite are observed in small films distributed over the fractures and veinlets, it is hosted in andesitic volcanic agglomerate.	HE22238537	<0.005	<0.2	0.002	0.0008	0.0048	7	4	<-1	560	191	0.58	10	0.5	<-2	6.44	<0.5	13	6	3.7	<10	0.29	10	0.16	865	<-1	0.05	8	1060	0.02	6	<-20	0.04	<10	<10	47	<10	<0.01
Las Carmelitas	241827	Channel	0.60	383989	3418219	510	WGS 84	12	Veinlet zone with strike and dip 330°/70° and a thickness < 1 cm, traces of jarosite and ankerite-siderite are observed in small films distributed over the fractures and veinlets, it is hosted in andesitic volcanic agglomerate.	HE22238537	<0.005	1	0.0547	0.001	0.0045	11	36	2	2240	348	0.39	10	<0.5	<-2	9.1	<0.5	10	5	3.02	<10	0.11	10	0.15	706	1	0.04	7	740	0.08	4	<-20	<0.01	<10	<10	18	<10	<0.01
Las Carmelitas	241828	Channel	0.80	383982	3418250	511	WGS 84	12	Veinlet zone with strike and dip 340°/50° and a thickness < 1 cm, traces of jarosite and ankerite-siderite are observed in small films distributed over the fractures and veinlets, it is hosted in andesitic volcanic agglomerate with strong silicification.	HE22238537	<0.005	<0.2	0.002	0.0005	0.005	4	3	<-1	780	211	0.57	10	<0.5	<-2	5.6	<0.5	15	3	4.42	<10	0.22	10	0.74	940	<-1	0.06	10	1070	0.04	7	<-20	0.01	<10	<10	22	<10	<0.01
Las Carmelitas	241829	Channel	0.90	383977	3418236	508	WGS 84	12	Veinlet zone with strike and dip 340°/60° and a thickness < 10 cm, traces of jarosite and ankerite-siderite are observed in small films distributed over the fractures and veinlets, it is hosted in andesitic volcanic agglomerate.	HE22238537	<0.005	0.8	0.0441	0.0007	0.0047	10	14	2	500	134	0.46	10	<0.5	<-2	5.89	<0.5	15	8	4.16	<10	0.2	10	0.08	674	<-1	0.05	8	1120	0.02	5	<-20	0.03	<10	<10	54	<10	0.01
Las Carmelitas	241830	Channel	1.70	384039	3418177	508	WGS 84	12	Veinlet zone with strike and dip 290°/75° and a thickness < 2 cm, traces of jarosite and ankerite-siderite are observed in small films distributed over the fractures and veinlets, it is hosted in andesitic volcanic agglomerate.	HE22238537	<0.005	0.5	0.0162	0.0008	0.007	4	31	<-1	480	242	0.55	10	0.5	<-2	5.89	<0.5	14	6	3.55	<10	0.26	10	1.07	910	<-1	0.04	7	820	0.02	5	<-20	0.02	<10	<10	40	<10	0.01
Las Carmelitas	241831	Channel	0.40	384018	3418138	507	WGS 84	12	Structure zone filled with calcite veinlets presents a strike and dip 355°/85° and a thickness of 0.40 m, small patches of ankerite - siderite and jarosite are observed filling the fracture, it is hosted in andesitic volcanic agglomerate.	HE22238537	<0.005	<0.2	0.0																																		

Las Carmelitas	241846	Channel	0.60	383883	3418346	519	WGS 84	12	White quartz vein with strike and dip 325°/60° and an average thickness of 0.60 m, moderate patches of jarosite and ankerite - siderite are observed filling cavities and in small fractures on the structure.	HE22238537	0.007	0.2	0.001	0.0002	0.0023	2	5	<1	220	391	0.13	<10	<0.5	<2	11.8	<0.5	2	6	1.39	<10	0.04	10	0.16	936	<1	<0.01	5	190	0.01	1	<20	<0.01	<10	<10	7	<10	<0.01
Las Carmelitas	241847	Channel	0.70	383970	3418321	504	WGS 84	12	Quartz veinlet with trend and dip 285°/70° and a thickness of 10 cm, traces of jarosite, hematite, ankerite - siderite and calcite are observed, it is hosted in andesitic volcanic agglomerate.	HE22238537	0.011	<0.2	0.0012	0.0001	0.0108	7	6	<1	170	414	0.61	<10	0.5	<2	7.7	<0.5	19	6	4.55	<10	0.15	10	3	1620	1	0.02	11	590	<0.01	4	<20	0.02	<10	<10	66	<10	0.01
Las Carmelitas	241848	Channel	2.00	383974	3418318	509	WGS 84	12	Veinlet zone with trend and dip 90°/50° and a thickness that varies from 1 to 4 cm, weak patches of hematite, jarosite, ankerite - siderite and calcite are observed, it is hosted in volcanic agglomerate.	HE22238537	<0.005	0.3	0.0008	0.0001	0.0088	<2	5	<1	170	401	0.36	<10	<0.5	<2	6.88	<0.5	17	6	3.44	<10	0.13	10	2.8	1490	<1	0.02	9	590	<0.01	4	<20	0.02	<10	<10	47	<10	<0.01
Las Carmelitas	241849	Channel	1.20	383974	3418314	508	WGS 84	12	Veinlet zone with trend and dip 90°/50° and a thickness that varies from 1 to 4 cm, weak patches of hematite, jarosite, ankerite - siderite and calcite are observed, it is hosted in volcanic agglomerate.	HE22238537	0.007	<0.2	0.0007	0.0001	0.0078	3	5	<1	520	421	0.42	<10	<0.5	<2	6.24	<0.5	17	8	3.55	<10	0.15	10	2.6	1255	<1	0.03	9	750	0.01	5	<20	0.02	<10	<10	51	<10	<0.01
Las Carmelitas	241850	Channel	0.80	383971	3418316	507	WGS 84	12	Veinlet zone with trend and dip 90°/50° and a thickness that varies from 1 to 4 cm, weak patches of hematite, jarosite, ankerite - siderite and calcite are observed, it is hosted in volcanic agglomerate.	HE22238537	<0.005	0.2	0.0015	0.0001	0.0082	<2	5	<1	180	339	0.75	10	<0.5	<2	6.52	<0.5	19	6	4.09	<10	0.16	10	2.86	1460	<1	0.04	10	880	<0.01	6	<20	0.03	<10	<10	63	<10	0.01
Las Carmelitas	241851	Channel	0.60	384078	3418291	512	WGS 84	12	White quartz vein with strike and dip 40°/35° and an average thickness of 0.60 m, traces of jarosite, hematite and ankerite - siderite are observed.	HE22238537	<0.005	0.2	0.0037	0.0005	0.0064	36	10	<1	2990	303	0.13	<10	<0.5	<2	6.16	<0.5	11	5	2.06	<10	0.07	<10	0.84	993	1	<0.01	9	310	0.08	2	<20	<0.01	<10	<10	35	<10	<0.01
Las Carmelitas	241852	Channel	1.00	383948	3418205	518	WGS 84	12	Quartz veinlets with trend and dip 315°/70° and a thickness <2 cm, traces of hematite and jarosite are observed, they are hosted in volcanic agglomerate.	HE22238537	<0.005	0.2	0.0037	0.0003	0.0017	13	12	<1	560	44	0.36	10	<0.5	<2	1.32	<0.5	3	6	1.83	<10	0.19	20	0.04	398	<1	0.01	1	480	0.02	2	<20	<0.01	<10	<10	8	<10	<0.01
Las Carmelitas	241853	Channel	0.50	383848	3418246	520	WGS 84	12	Quartz veinlets with trend and dip 325°/70° and a thickness <2 cm, traces of hematite and jarosite are observed, they are hosted in volcanic agglomerate.	HE22238537	0.047	<0.2	0.0004	0.0004	0.0024	4	2	<1	3360	397	0.24	<10	<0.5	<2	5.61	<0.5	3	4	1.9	<10	0.14	10	0.06	600	<1	0.01	1	410	0.09	2	<20	<0.01	<10	<10	10	<10	0.02
Las Carmelitas	241854	Channel	0.30	383765	3418255	522	WGS 84	12	Quartz vein with strike and dip 305°/45° and a thickness of 0.30 m, weak patches of ankerite - siderite, jarosite and calcite are observed distributed between the fractures and filling cavities, it is lodged in volcanic agglomerate.	HE22238537	<0.005	0.2	0.0055	0.0029	0.0011	4	6	<1	3160	987	0.11	<10	<0.5	<2	16.7	<0.5	1	3	1.01	<10	0.07	<10	0.07	1145	1	<0.01	5	210	0.08	2	<20	<0.01	<10	<10	7	<10	0.01
Las Carmelitas	241855	Channel	0.90	383707	3418188	507	WGS 84	12	Fault zone with strike and dip 325°/50° presents moderate parallel quartz veinlets with traces of ankerite - siderite and jarosite distributed between the fractures and filling cavities, it is hosted in volcanic agglomerate.	HE22238537	0.025	<0.2	0.0005	0.0004	0.0069	3	4	<1	1460	314	0.44	10	0.6	<2	9	<0.5	14	5	3.97	<10	0.23	20	0.27	1040	<1	0.02	9	890	0.03	5	<20	0.01	<10	<10	31	<10	<0.01
Las Carmelitas	241856	Channel	1.20	383741	3418155	515	WGS 84	12	Fault zone with strike and dip 320°/80° presents moderate parallel quartz - calcite veinlets with traces of ankerite - siderite and jarosite distributed between the fractures and filling cavities, it is hosted in volcanic agglomerate.	HE22238537	<0.005	0.2	0.0011	0.0001	0.0044	2	3	<1	550	285	0.48	<10	<0.5	<2	9.1	<0.5	14	4	3.73	<10	0.18	10	0.55	992	<1	0.03	10	920	0.02	5	<20	0.01	<10	<10	23	<10	<0.01
Las Carmelitas	241857	Channel	0.50	383745	3418133	517	WGS 84	12	Quartz veinlets with trend and dip 340°/50° and a thickness <2 cm, traces of hematite and jarosite are observed, they are hosted in volcanic agglomerate.	HE22238537	<0.005	0.2	0.0003	0.0004	0.0021	5	2	<1	120	216	0.23	<10	<0.5	<2	5.81	<0.5	4	3	2.02	<10	0.09	10	0.07	575	1	0.02	4	450	0.01	2	<20	<0.01	<10	<10	8	<10	0.01
Las Carmelitas	241858	Selective	1.00	383813	3418161	516	WGS 84	12	Fragments of structure with a tectonic breccia texture, traces of ankerite - siderite, malachite and very punctually chalcocite are observed.	HE22238537	0.067	94.7	1.53	0.0015	0.0672	300	7770	291	940	833	0.43	<10	<0.5	<2	13.6	1.9	13	3	2.93	<10	0.05	<10	0.28	979	2	0.01	6	480	0.29	2	<20	<0.01	<10	<10	18	<10	0.03
Las Carmelitas	241859	Channel	0.40	383874	3418136	516	WGS 84	12	Quartz vein - calcite with trend and dip 70°/40° traces of jarosite, ankerite and siderite are observed filling cavities, it is hosted in volcanic agglomerate.	HE22238537	<0.005	0.2	0.002	0.0024	0.0039	<2	18	1	3460	1865	0.04	<10	<0.5	<2	23.6	<0.5	7	1	1.11	<10	0.02	<10	0.71	1210	<1	<0.01	12	190	0.09	1	<20	<0.01	<10	<10	11	<10	<0.01
Las Carmelitas	241861	Chip	1.00 x 1.00	384043	3418359	512	WGS 84	12	Quartz fragments for sale with strike and dip 295°/30° and a thickness of 10 cm, weak patches of hematite and traces of jarosite, ankerite - siderite and calcite are observed, it is lodged in volcanic agglomerate.	HE22238537	<0.005	0.3	0.0042	0.0003	0.0015	2	23	1	1180	34	0.15	<10	<0.5	<2	0.27	<0.5	2	11	1.12	<10	0.1	10	0.02	193	<1	0.01	3	120	0.03	1	<20	<0.01	<10	<10	7	<10	<0.01
Las Carmelitas	241862	Channel	0.60	384135	3417967	492	WGS 84	12	White quartz veinlets with strike and dip 315°/85° and a thickness <1 cm, traces of hematite and jarosite are observed distributed between the fractures and are hosted in cream-colored sandstone with a medium grain texture.	HE22238537	<0.005	0.2	0.0009	0.0024	0.0026	12	7	<1	240	249	0.21	10	<0.5	<2	4.03	<0.5	2	5	1.85	<10	0.11	10	0.07	895	3	0.03	3	260	0.02	2	<20	<0.01	<10	<10	3	<10	0.01
Las Carmelitas	241863	Channel	1.50	384199	3418016	507	WGS 84	12	Structure zone with strike and dip 70°/60° and an average thickness of 1.50 m, with a hydrothermal tectonic breccia texture, patches of chalcocite, azurite, malachite, traces of chalcocite, siderite and jarosite are observed, it is hosted in sandstones of cream color with medium grain texture.	HE22238537	<0.005	10.8	0.276	0.0061	0.0142	41	606	7	1110	249	0.26	10	<0.5	<2	6.75	1.6	4	3	1.62	<10	0.11	<10	0.08	351	5	0.01	3	310	0.05	2	<20	<0.01	<10	<10	15	<10	0.03
Las Carmelitas	241864	Channel	0.75	384195	3418015	506	WGS 84	12	Veinlet zone in different directions with weak patches of malachite, siderite and jarosite distributed among the fractures, they are hosted in cream-colored sandstone with medium grain texture, moderate silicification + sericite.	HE22238537	<0.005	2.3	0.0588	0.0021	0.0202	35	401	1	1080	259	0.36	10	0.5	<2	8	0.6	7	2	2.76	<10	0.18	10	0.17	499	1	0.01	6	400	0.03	4	<20	<0.01	<10	<10	28	<10	<0.01
Las Carmelitas	241865	Dump	1.00 x 1.00	384195	3418013	509	WGS 84	12	Structure fragments with a hydrothermal tectonic breccia texture, patches of chalcocite, azurite, malachite, traces of chalcocite, siderite and jarosite are observed.	HE22238537	0.008	81.9	1.75	0.009	0.138	295	6510	48	600	443	0.17	10	<0.5	<2	7	6.1	13	4	1.59	<10	0.09	<10	0.12	411	1	0.01	4	240	0.31	2	<20	<0.01	<10	<10	19	<10	0.01
Las Carmelitas	241866	Dump	1.00 x 1.00	384178	3418009	509	WGS 84	12	Structure fragments with a hydrothermal tectonic breccia texture, patches of chalcocite, azurite, malachite, traces of chalcocite, siderite and jarosite are observed.	HE22238537	<0.005	37.3	0.902	0.0244	0.0283	198	3500	16	2180	288	0.19	10	<0.5	<2	5.75	1.5	3	4	1.67	<10	0.1	<10	0.06	402	1	<0.01	3	310	0.13	2	<20	<0.01	<10	10	27	<10	0.09
Las Carmelitas	241867	Channel	1.20	384177	3418009	509	WGS 84	12	Structure zone with strike and dip 70°/60° and an average thickness of 1.20 m, with a hydrothermal tectonic breccia texture, patches of chalcocite, azurite, malachite, traces of chalcocite, siderite and jarosite are observed, it is hosted in sandstones of cream color with medium grain texture.	HE22238537	<0.005	12.3	0.287	0.0028	0.0127	126	1470	3	1080	99	0.25	10	<0.5	<2	3.04	0.7	3	5	1.8	<10	0.12	<10	0.07	267	<1	0.01	1	300	0.04	2	<20	<0.01	<10	<10	27	<10	0.02
Las Carmelitas	241868	Channel	2.00	383961	3417916	529	WGS 84	12	White quartz veinlets with strike and dip 105°/75° and an average thickness of 1 cm, traces of jarosite are observed between the fractures, they are hosted in cream-colored sandstone with a medium grain texture.	HE22238537	<0.005	0.2	0.0029	0.0009	0.0028	49	15	<1	400	27	0.22	<10	<0.5	<2	0.93	0.6	1	7	1.39	<10	0.1	10	0.04	543	1	0.03	2	300	0.02	2	<20	<0.01	<10	<10	3	<10	<0.01
Las Carmelitas	241869	Channel	1.35	383904	3418035	536	WGS 84	12	White quartz veinlets with preferential strike and dip 315°/70° and an average thickness of 1 cm, traces of jarosite are observed between the fractures, they are hosted in cream-colored sandstone with a medium grain texture.	HE22238537	<0.005	<0.2	0.0023	0.0012	0.0024	6	11	<1	630	56	0.29	10	<0.5	<2	1.67	<0.5	2	5	1.28	<10	0.13	10	0.06	564	1	0.02	3	420	0.03	2	<20	<0.01	<10	<10	3	<10	0.01
Las Carmelitas	241870	Channel	0.80	383554	3417846	504	WGS 84	12	White quartz veinlets with a preferential strike and dip 310°/70° and an average thickness of 1 cm, traces of jarosite, hematite and calcite are observed between the fractures, they are hosted in cream-colored sandstone with a medium grain texture.	HE22238537	<0.005	<0.2	0.0011	0.0015	0.0042	3	6	1																													

Las Carmelitas	241889	Channel	0.50	384372	3418135	501	WGS 84	12	Fault zone with strike and dip 265°/80° filled with quartz veinlets < 1.2 cm thick, traces of hematite, jarosite and calcite are observed in a patch on the fractures and filling cavities, it is lodged in volcanic agglomerate.	HE22238537	<0.005	<0.2	0.0004	0.001	0.0073	3	4	<-1	760	841	0.42	<10	<0.5	<-2	11.6	<0.5	16	4	1.66	<10	0.13	10	2.53	1980	<-1	0.01	6	560	0.02	3	<-20	0.01	<10	<10	36	<10	<-0.01
Las Carmelitas	241890	Channel	0.80	384421	3418173	510	WGS 84	12	Moderate quartz veinlets with strike and dip 110°/70° and a thickness <0.5 cm, traces of hematite are observed, jarosite distributed in a patch on the fractures and veinlet planes, it is hosted in volcanic agglomerate.	HE22238537	<0.005	<0.2	0.0005	0.0009	0.0055	4	12	<-1	290	190	0.55	10	0.5	<-2	4.14	<0.5	15	9	3.98	<10	0.28	10	0.99	978	<-1	0.02	8	1030	0.01	9	<-20	0.04	<10	<10	71	<10	<-0.01
Las Carmelitas	241891	Channel	0.40	384401	3418263	512	WGS 84	12	Quartz vein with strike and dip 148°/45° and a thickness of 0.25 m, traces of hematite + calcite are observed between the fractures and filling cavities, it is hosted in volcanic agglomerate.	HE22238537	<0.005	<0.2	0.0002	0.0027	0.0013	7	<-2	<-1	2040	874	0.11	<10	<0.5	<-2	19.5	<0.5	3	2	0.62	<10	0.04	<10	0.16	1070	<-1	<-0.01	2	160	0.05	2	<-20	<-0.01	<10	<10	9	<10	0.01
Las Carmelitas	241893	Channel	0.60	384594	3419918	568	WGS 84	12	Fault zone with white quartz veinlets present strike and dip 305°/50° and a thickness <1 cm, traces of epidote and chlorite are observed in small patches on the fractures of the veinlets and traces of sericite, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0058	0.0005	0.0047	3	<-2	<-1	60	236	1.62	<10	<0.5	<-2	2.8	<0.5	12	14	2.05	10	0.03	10	1.05	418	<-1	0.02	10	670	0.01	2	<-20	0.07	<10	<10	44	<10	0.07
Las Carmelitas	241894	Channel	0.50	384413	3419909	559	WGS 84	12	White quartz veinlets with strike and dip 325°/80° and a thickness <1 cm, weak patches of epidote and sericite are observed, distributed among the fractures of the veinlets, hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0044	0.0005	0.0059	4	<-2	<-1	90	370	2.02	<10	<0.5	<-2	2.34	<0.5	16	16	1.64	10	0.01	10	1.16	356	<-1	0.03	15	920	0.01	4	<-20	0.32	<10	<10	57	<10	0.06
Las Carmelitas	241895	Channel	0.70	384739	3419808	559	WGS 84	12	Quartz veinlets with strike and dip 310°/80° and a thickness <1 cm, traces of hematite, goethite, jarosite, siderite + calcite are observed distributed between the fractures and filling cavities, they are hosted in medium grain sandstone with strong silicification + sericite.	HE22271622	0.308	0.3	0.0183	0.0014	0.0045	6	<-2	<-1	90	147	0.41	<10	<0.5	<-2	5.45	0.6	1	6	0.93	<10	0.07	20	0.12	833	2	0.03	2	220	0.03	2	<-20	<-0.01	<10	<10	7	<10	0.03
Las Carmelitas	241896	Channel	0.80	384750	3419819	557	WGS 84	12	Quartz veinlets with strike and dip 145°/75° and a thickness <1 cm, traces of hematite, goethite, jarosite, siderite + calcite are observed distributed between the fractures and filling cavities, they are hosted in medium grain sandstone with strong silicification + sericite.	HE22271622	<0.005	<0.2	0.006	0.0011	0.0027	3	<-2	<-1	50	68	0.39	<10	<0.5	<-2	3.03	0.5	1	8	0.88	<10	0.06	20	0.13	524	1	0.03	2	190	0.01	1	<-20	<-0.01	<10	<10	3	<10	0.01
Las Carmelitas	241897	Channel	1.40	384751	3419830	557	WGS 84	12	White quartz vein with a weak tectonic breccia texture, presenting a strike and dip of 235°/40° and a thickness of 1.40 m, weak patches of ankerite - siderite, jarosite, hematite and goethite are observed, distributed between the fractures and filling cavities, it is hosted in cream-colored sandstone with a medium-grain texture and strong silicification + sericite.	HE22271622	10.850	10	0.0193	0.0642	0.0171	127	3	<-1	120	113	0.17	<10	<0.5	<-2	3.13	1	1	11	0.74	<10	0.03	<10	0.08	553	2	<-0.01	1	90	0.01	1	<-20	<-0.01	<10	<10	36	<10	0.02
Las Carmelitas	241898	Channel	0.40	384740	3419832	556	WGS 84	12	White quartz vein with a weak tectonic breccia texture, presenting a strike and dip of 75°/70° and a thickness of 0.40 m, weak patches of ankerite - siderite, jarosite, hematite and goethite are observed, distributed between the fractures and filling cavities, it is hosted in cream-colored sandstone with a medium-grain texture and strong silicification + sericite.	HE22271622	0.501	0.5	0.005	0.0018	0.0021	128	<-2	<-1	410	98	0.22	<10	<0.5	<-2	2.42	<0.5	2	9	0.77	<10	0.04	<10	0.1	456	5	<-0.01	3	70	0.01	1	<-20	<-0.01	<10	<10	7	<10	0.01
Las Carmelitas	241899	Channel	0.60	384730	3419846	559	WGS 84	12	Quartz veinlets with strike and dip 125°/70° and a thickness <1 cm, traces of hematite, goethite, jarosite, siderite + calcite are observed distributed between the fractures and filling cavities, they are hosted in medium grain sandstone with strong silicification + sericite.	HE22271622	0.020	0.2	0.0073	0.0009	0.0067	37	<-2	<-1	1870	288	0.99	<10	<0.5	<-2	8.9	<0.5	16	3	5.13	<10	0.12	<10	2.4	1320	13	0.02	13	430	0.04	3	<-20	<-0.01	<10	<10	24	<10	0.01
Las Carmelitas	241901	Channel	0.60	384717	3419793	557	WGS 84	12	Structure zone with strike and dip 310°/50° and an average thickness of 0.30 m, strong patches of siderite, jarosite, hematite, goethite are observed, wrapped in a patch on the matrix and fractures of the structure, it is hosted in sandstone of cream color with medium grain texture.	HE22271622	0.008	0.3	0.0021	0.0008	0.0044	2	<-2	<-1	1730	869	0.26	<10	<0.5	<-2	15.2	<0.5	9	1	3.69	<10	0.03	<10	4.82	2340	<-1	0.01	4	90	0.03	2	<-20	<-0.01	<10	<10	26	<10	<-0.01
Las Carmelitas	241902	Channel	0.40	384508	3419839	548	WGS 84	12	White quartz + calcite veinlet with strike and dip 85°/65° and a thickness of 5 cm, traces of hematite distributed among the fractures are observed, it is hosted in volcanic agglomerate.	HE22271622	<0.005	0.2	0.0095	0.0003	0.0035	2	<-2	<-1	30	196	1.57	<10	<0.5	<-2	2.26	<0.5	10	6	1.59	<10	0.05	<10	0.86	373	<-1	0.01	5	620	<-0.01	2	<-20	0.06	<10	<10	36	<10	<-0.01
Las Carmelitas	241903	Chip	0.50 x 0.50	384519	3419853	546	WGS 84	12	White quartz veinlets with trend and dip 75°/80° and a thickness <1 cm, traces of jarosite are observed distributed among the fractures, they are hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0018	0.0003	0.0042	2	<-2	<-1	50	211	1.71	<10	<0.5	<-2	3.12	<0.5	10	10	1.63	<10	0.03	10	1.37	543	<-1	0.01	8	510	<-0.01	2	<-20	0.05	<10	<10	33	<10	<-0.01
Las Carmelitas	241904	Chip	0.50 x 0.50	384362	3419843	557	WGS 84	12	White quartz veinlets with trend and dip 305°/70° and a thickness <1 cm, traces of jarosite are observed distributed among the fractures, they are hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0071	0.0003	0.0061	2	<-2	<-1	40	364	2.4	<10	<0.5	<-2	1.66	<0.5	20	22	2.01	10	0.01	10	1.79	487	<-1	0.01	19	850	<-0.01	4	<-20	0.04	<10	<10	40	<10	<-0.01
Las Carmelitas	241905	Channel	0.30	383644	3419866	546	WGS 84	12	White quartz veinlets with strike and dip 310°/60° and a thickness <1 cm, weak patches of epidote and sericite are observed, distributed among the fractures of the veinlets, hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0037	0.0005	0.006	9	<-2	<-1	60	284	1.97	<10	<0.5	<-2	1.89	<0.5	17	17	2.61	10	0.04	10	1.4	444	<-1	0.03	16	830	<-0.01	5	<-20	0.35	<10	<10	73	<10	<-0.01
Las Carmelitas	241906	Channel	0.80	384755	3419574	559	WGS 84	12	White quartz veinlets with strike and dip 295°/40°, have an average thickness of 0.80 m. Traces of hematite and epidote are observed on the fractures, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0024	0.0004	0.0073	3	<-2	<-1	130	211	2.02	<10	<0.5	<-2	4.35	<0.5	17	15	3.12	10	0.09	10	1.44	740	<-1	0.02	11	1070	<-0.01	4	<-20	0.14	<10	<10	60	<10	<-0.01
Las Carmelitas	241907	Channel	0.80	384738	3419554	557	WGS 84	12	Moderate fracturing with strike and dip 310°/40°, moderate patches of malachite, hematite, goethite, jarosite, siderite, pyrochlore and traces of chalcocyanite and azurite distributed in a patch on the fracturing are observed, they are hosted in volcanic agglomerate.	HE22271622	0.018	3.2	1.87	0.0029	0.0053	6	<-2	<-1	290	83	2.72	<10	<0.5	<-2	1.96	<0.5	41	14	4.72	10	0.11	10	1.39	880	53	0.08	17	1260	0.01	4	<-20	0.02	<10	<10	98	<10	0.01
Las Carmelitas	241908	Channel	0.55	384570	3419554	539	WGS 84	12	Quartz vein - calcite with trend and dip 310°/65° and a thickness of 0.55 m, weak patches of hematite, goethite, jarosite and siderite are observed, it is hosted in volcanic agglomerate.	HE22271622	<0.005	0.2	0.0064	0.0005	0.0018	<-2	<-2	<-1	1060	416	0.3	<10	<0.5	<-2	10.5	<0.5	5	4	1.67	<10	0.03	<10	0.26	1340	1	<-0.01	3	100	0.02	2	<-20	<-0.01	<10	<10	9	<10	<-0.01
Las Carmelitas	241909	Channel	1.00	384630	3419656	540	WGS 84	12	Fault zone with strike and dip 105°/65°, calcite quartz veinlets are observed filling cavities + patches of siderite, jarosite and hematite, it presents weak silicification and strong sericite, it is hosted in dike and/or sill of dioritic composition.	HE22271622	0.005	0.6	0.0123	0.0012	0.005	15	3	<-1	160	308	1.11	<10	<0.5	<-2	6.01	<0.5	11	4	3.87	<10	0.11	10	1.27	1130	20	0.01	8	610	0.04	4	<-20	<-0.01	<10	<10	17	<10	0.01
Las Carmelitas	241910	Channel	0.60	384632	3419674	544	WGS 84	12	Moderate fracturing with quartz-calcite veinlets, it presents strike and dip 60°/70°, weak patches of hematite, jarosite and siderite are observed in the fractures and filling cavities, it is hosted in dark brown sandstone.	HE22271622	<0.005	<0.2	0.0047	0.001	0.0075	5	<-2	<-1	490	261	0.66	<10	<0.5	<-2	5.2	1.2	2	4	1.4	<10	0.1	10	0.2	715	1	0.02	5	190	0.01	1	<-20	<-0.01	<10	<10	6	<10	<-0.01
Las Carmelitas	241911	Selective	0.50	384600	3419683	551	WGS 84	12	Moderate fracturing with quartz-calcite veinlets, it presents strike and dip 280°/70°, weak patches of hematite, jarosite and siderite are observed in the fractures and filling cavities, it is hosted in dark brown sandstone.	HE22271622	<0.005	<0.2	0.001	0.001	0.0119	4	<-2	<-1	90	250	0.55	<10	0.6	<-2	7.4	2.5	3	4	1.39	<10	0.12	10	0.16	1005	2	0.01	11	200	<-0.01	1	<-20	<-0.01	<10	<10	6	<10	<-0.01
Las Carmelitas	241912	Channel	1.00	384546	3419659	544	WGS 84	12	Fault zone with strike and dip 110°/60°, calcite quartz veinlets are observed filling cavities + patches of siderite, jarosite and hematite, it presents weak silicification and strong sericite, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0007	0.0012	0.0064	6	<-2	<-1	330	521	0.81	<10	<0.5	<-2	13	<0.5	11	3	3.16	<10	0.08	10	2.55	1680	1	0.02	9	340	<-0.01	3	<-20	<-0.01	<10	<10	24	<10	<-0.01
Las Carmelitas	241913	Channel	0.75	384548	3419641	548	WGS 84	12	Moderate fracturing with quartz-calcite veinlets, it presents strike and dip 320°/60°, weak patches of hematite, jarosite and siderite are observed in the fractures and filling cavities, it is hosted in dark brown sandstone.	HE22271622	<0.005	<0.2	0.0012	0.0019	0.0124	6	<-2	<-1	510	232	0.6	<10	<0.5	<-2	5.16	1.5	3	2	1.38	<10	0.08	10	0.18	870	8	<-0.01	9	90	0.01	1	<-20	<-0.01	<10	<10	3	<10	<-0.01

Las Carmelitas	241930	Channel	0.50	384676	3418826	521	WGS 84	12	Structure zone with a tectonic breccia texture, strike and dip 147°/65°, thickness of 5.0 m and length of 5.0 m, weak patches of hematite are observed distributed between the fractures and filling cavities, the alteration is strong silicification with a saccharoid texture + sericitic. It is hosted in volcanic agglomerate.	HE22271622	0.043	0.3	0.0006	0.0038	0.003	45	-2	-1	1540	40	0.35	<10	0.5	-2	0.26	-0.5	2	6	1.04	<10	0.13	10	0.17	104	<1	<0.01	2	230	0.04	1	<20	<0.01	<10	<10	21	<10	<0.01
Las Carmelitas	241931	Selective	0.50	384686	3418837	522	WGS 84	12	White quartz veinlets with strike and dip 305°/80°, traces of hematite and jarosite are observed distributed among the fractures, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0003	0.0004	0.0011	5	-2	-1	1700	107	0.2	<10	<0.5	-2	2.34	-0.5	2	6	0.76	<10	0.1	10	0.08	337	<1	0.02	2	190	0.03	1	<20	<0.01	<10	<10	9	<10	0.02
Las Carmelitas	241932	Channel	0.60	384667	3418839	519	WGS 84	12	White quartz veinlets with strike and dip 360°/30°, traces of hematite and jarosite are observed distributed among the fractures, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0013	0.0008	0.0026	4	-2	-1	760	445	0.17	<10	<0.5	-2	9.3	-0.5	6	4	1.09	<10	0.11	10	0.62	1110	<1	<0.01	5	190	0.01	1	<20	0.01	<10	<10	15	<10	<0.01
Las Carmelitas	241933	Channel	0.60	384648	3418868	519	WGS 84	12	White quartz veinlets with strike and dip 315°/55°, traces of hematite and jarosite are observed distributed among the fractures, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0004	0.0005	0.0009	2	-2	-1	140	104	0.21	<10	<0.5	-2	4.22	-0.5	2	6	1.06	<10	0.13	10	0.09	457	<1	0.01	2	180	<0.01	1	<20	0.01	<10	<10	16	<10	<0.01
Las Carmelitas	241934	Selective	0.70	384614	3418945	533	WGS 84	12	White quartz veinlets with strike and dip 135°/75°, traces of hematite are observed distributed among the fractures, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0002	0.0005	0.0002	<2	-2	-1	70	122	0.09	<10	<0.5	-2	3.57	-0.5	<1	10	0.46	<10	0.06	<10	0.02	454	<1	<0.01	1	50	<0.01	<1	<20	<0.01	<10	<10	3	<10	<0.01
Las Carmelitas	241935	Chip	1.60	384643	3419035	524	WGS 84	12	Quartz - calcite veinlets with strike and dip 320°/75°, thickness of 0.20 m and length of 3.0 m, weak patches of hematite and jarosite are observed filling cavities, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0007	0.0004	0.0006	2	-2	-1	520	127	0.17	<10	<0.5	-2	4.46	-0.5	2	5	0.62	<10	0.1	10	0.03	453	<1	<0.01	2	120	0.01	1	<20	<0.01	<10	<10	9	<10	<0.01
Las Carmelitas	241936	Channel	0.50	384616	3419002	521	WGS 84	12	Quartz - calcite veinlets with strike and dip 320°/75°, thickness of 0.20 m and length of 3.0 m, weak patches of hematite and jarosite are observed filling cavities, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0009	0.0006	0.0008	2	-2	-1	620	218	0.16	<10	<0.5	-2	7.11	-0.5	1	6	0.68	<10	0.09	10	0.05	666	<1	<0.01	2	110	0.01	1	<20	<0.01	<10	<10	8	<10	<0.01
Las Carmelitas	241937	Channel	0.70	384545	3418942	526	WGS 84	12	Quartz - calcite veinlets with strike and dip 305°/65°, traces of hematite are observed distributed among the fractures, it is hosted in volcanic agglomerate.	HE22271622	<0.005	<0.2	0.0004	0.0006	0.0007	3	-2	-1	140	91	0.19	<10	<0.5	-2	3.5	-0.5	1	8	1.1	<10	0.12	10	0.03	568	<1	<0.01	2	180	<0.01	1	<20	0.01	<10	<10	17	<10	<0.01
Las Carmelitas	241938	Channel	0.50	384493	3418807	517	WGS 84	12	White quartz veinlets with strike and dip 336°/70°, 0.50 m thick and 1.0 m long, weak patches of hematite and jarosite are observed distributed between the fractures, they are hosted in polymictic conglomerate.	HE22271622	<0.005	<0.2	0.002	0.0009	0.0021	4	-2	-1	370	191	0.24	<10	<0.5	-2	5.37	-0.5	4	5	1.54	<10	0.17	20	0.29	584	<1	0.01	4	450	<0.01	2	<20	0.01	<10	<10	19	<10	<0.01
Las Carmelitas	241939	Channel	1.00	384478	3418523	516	WGS 84	12	White quartz veinlets with strike and dip 310°/55°, 5.0 mm thick and 3.0 m long, weak patches of hematite and jarosite are observed distributed between the fractures, they are hosted in polymictic conglomerate.	HE22271622	<0.005	<0.2	0.0002	0.0005	0.0022	<2	-2	-1	440	74	0.25	<10	<0.5	-2	3.72	-0.5	3	4	1.22	<10	0.15	<10	1.63	225	<1	<0.01	2	170	<0.01	2	<20	<0.01	<10	<10	10	<10	<0.01
Las Carmelitas	241941	Channel	0.50	383831	3418641	519	WGS 84	12	Fault zone with strike and dip 170°/47° filled with quartz veinlet > calcite, thickness of 0.15 m, weak patches of hematite, jarosite and siderite are observed distributed between the fractures, they are hosted in polymictic conglomerate.	HE22271622	<0.005	<0.2	0.0003	0.0009	0.0018	<2	-2	-1	3120	347	0.11	<10	<0.5	-2	5.47	-0.5	3	5	0.67	<10	0.07	<10	0.45	437	<1	0.01	2	150	0.07	1	<20	<0.01	<10	<10	6	<10	<0.01
Las Carmelitas	241942	Channel	0.30	383982	3418814	520	WGS 84	12	Fault zone with strike and dip 305°/63° filled with quartz veinlet > calcite, 0.15 m thick, weak patches of hematite, goethite and jarosite are observed distributed between the fractures, they are hosted in polymictic conglomerate.	HE22271622	<0.005	<0.2	0.0001	0.0012	0.0014	<2	-2	-1	630	370	0.18	<10	<0.5	-2	6.6	-0.5	2	5	0.74	<10	0.12	10	0.43	482	<1	<0.01	1	220	0.01	1	<20	<0.01	<10	<10	7	<10	<0.01
Las Carmelitas	241943	Channel	1.00	383846	3419037	526	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 160°/55°, thickness of 1.0 m and length of 7.0 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.023	<0.2	0.0005	0.0018	0.0006	21	2	<1	3190	69	0.22	<10	<0.5	-2	0.13	-0.5	2	7	0.7	<10	0.15	10	0.04	124	<1	<0.01	1	230	0.08	1	<20	<0.01	<10	<10	8	<10	<0.01
Las Carmelitas	241944	Selective	0.60	383854	3418995	526	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 160°/55°, thickness of 1.0 m and length of 3.0 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.123	<0.2	0.0005	0.0023	0.0006	27	2	<1	1040	36	0.24	<10	<0.5	-2	1.08	-0.5	2	7	0.94	<10	0.15	<10	0.05	382	<1	<0.01	2	140	0.02	1	<20	<0.01	<10	<10	8	<10	0.01
Las Carmelitas	241945	Channel	1.40	383877	3418936	527	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 150°/65°, thickness of 1.7 m and length of 7.0 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.025	<0.2	0.0005	0.0014	0.0007	18	-2	-1	3660	90	0.18	<10	<0.5	-2	3.68	-0.5	2	8	0.73	<10	0.11	<10	0.08	242	<1	0.01	2	120	0.08	1	<20	<0.01	<10	<10	7	<10	<0.01
Las Carmelitas	241946	Channel	0.95	383812	3418956	534	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 300°/60°, thickness of 1.0 m and length of 7.0 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification, it is found housed in polymictic conglomerate.	HE22271622	0.027	<0.2	0.0009	0.0011	0.0015	19	-2	-1	430	29	0.26	<10	<0.5	-2	2.03	-0.5	3	7	0.86	<10	0.17	10	0.82	341	<1	<0.01	2	260	<0.01	1	<20	<0.01	<10	<10	8	<10	0.01
Las Carmelitas	241947	Channel	0.60	383776	3418930	532	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 170°/85°, thickness of 0.6 m and length of 1.0 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.407	0.2	0.0006	0.0015	0.0016	50	2	<1	100	16	0.36	<10	<0.5	-2	1.24	-0.5	2	5	1.24	<10	0.18	10	0.52	235	<1	<0.01	3	220	<0.01	1	<20	<0.01	<10	<10	11	<10	<0.01
Las Carmelitas	241948	Channel	0.70	383780	3418931	533	WGS 84	12	Fault zone with strike and dip 290°/65°, filled with weakly brecciated quartz veinlet, 5 cm thick, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification, it is hosted in conglomerate polymictic.	HE22271622	<0.005	<0.2	0.0008	0.0016	0.0015	8	-2	-1	540	174	0.22	<10	<0.5	-2	7.5	-0.5	2	4	0.84	<10	0.15	10	0.48	675	<1	<0.01	2	200	<0.01	1	<20	<0.01	<10	<10	13	<10	<0.01
Las Carmelitas	241949	Channel	1.70	383800	3418978	533	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 310°/75°, thickness of 2.0 m and length of 1.5 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.024	0.2	0.0005	0.0077	0.0009	20	-2	-1	3260	65	0.25	<10	<0.5	-2	0.19	-0.5	2	6	0.79	<10	0.16	<10	0.06	161	<1	0.01	1	210	0.07	1	<20	<0.01	<10	<10	10	<10	<0.01
Las Carmelitas	241950	Selective	0.50	383786	3418982	535	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 170°/53°, thickness of 0.5 m and length of 6 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.044	<0.2	0.0008	0.0012	0.0009	23	2	<1	2090	35	0.2	<10	<0.5	-2	0.58	-0.5	2	8	0.7	<10	0.12	<10	0.17	139	<1	0.01	1	150	0.05	1	<20	<0.01	<10	<10	7	<10	<0.01
Las Carmelitas	241951	Selective	1.00	383788	3419034	535	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 185°/60°, thickness of 1.2 m and length of 6 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.124	<0.2	0.0005	0.0009	0.0012	30	-2	-1	1680	32	0.27	<10	<0.5	-2	0.23	-0.5	1	8	0.82	<10	0.16	10	0.06	159	<1	0.01	3	190	0.04	1	<20	<0.01	<10	<10	9	<10	<0.01
Las Carmelitas	241952	Channel	0.30	383800	3419041	535	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 190°/65°, thickness of 0.3 m and length of 1.5 m, strong patches of hematite, goethite and siderite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.078	<0.2	0.0003	0.0006	0.0008	24	-2	-1	3740	109	0.26	<10	<0.5	-2	1.11	-0.5	1	6	0.78	<10	0.16	10	0.06	243	<1	0.01	<1	170	0.09	1	<20	<0.01	<10	<10	9	<10	<0.01
Las Carmelitas	241953	Selective	0.50	383825	3419047	531	WGS 84	12	Structure zone with a hydrothermal tectonic breccia texture, strike and dip 75°/43°, thickness of 0.5 m and length of 5 m, strong patches of hematite and goethite are observed distributed between the fractures and filling cavities, it presents strong silicification with a saccharoid texture, is hosted in a polymictic conglomerate.	HE22271622	0.127	<0.2	0.0007	0.0035	0.0014	88	5	<1	2140	48	0.2	<10	<0.5	-2	0.07	-0.5	2	15	1.94	<10	0.12	<10	0.03	124	1	0.01	1	120	0.05	<1	<20	<0.01	<10	<10			

Las Carmelitas	241963	Chip	1.00	384166	3418124	510	WGS 84	12	(Unaltered rock) dark brown volcanic agglomerate with green and dark brown andesite fragments ranging in size from 1 mm to 20 cm, patches of calcite filling cavities are observed.	HE22271622	<0.005	0.2	0.0026	0.0009	0.0078	4	<2	<1	130	97	1.67	<10	<0.5	<2	2.58	<0.5	19	17	3.89	10	0.12	20	1.35	682	<1	0.08	16	1240	0.01	7	<20	0.05	<10	<10	77	<10	<0.01
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