

Table 1. Table 1. Lead isotope compositions of historical mine tailings, efflorescent crusts, and street dust of San Felipe de Jesús area, and mineralized and other environmental matrices of the region, in northwestern Mexico.

Sample	Comment	206Pb/207Pb	208Pb/207Pb	206Pb/204Pb	207Pb/204Pb	208Pb/204Pb	Reference
JNO3	Sulfide-rich tailings	1.209	2.474	18.922	15.649	38.713	Present study
JNO4	Sulfide-rich tailings	1.207	2.474	18.885	15.647	38.715	Present study
JNO15	Sulfide-rich tailings	1.207	2.474	18.891	15.646	38.707	Present study
JNO8	Sulfide-rich tailings	1.209	2.474	18.912	15.648	38.715	Present study
JG16-02	Sulfide-rich tailings	1.206	2.474	18.859	15.639	38.693	Present study
JSF15-08	Sulfide-rich tailings	1.220	2.473	19.113	15.672	38.761	Present study
JNO10	Sulfide-rich tailings	1.206	2.474	18.860	15.644	38.709	Present study
JSF1509	Oxide-rich tailings	1.228	2.472	19.260	15.683	38.771	Present study
HO5	Oxide-rich tailings	1.229	2.472	19.287	15.689	38.781	Present study
JO1	Oxide-rich tailings	1.227	2.473	19.252	15.685	38.781	Present study
JO2	Oxide-rich tailings	1.207	2.474	18.882	15.644	38.703	Present study
JO4	Oxide-rich tailings	1.221	2.474	19.135	15.671	38.768	Present study
JR16-01	Oxide-rich tailings	1.207	2.474	18.883	15.642	38.699	Present study
JR16-02	Oxide-rich tailings	1.211	2.474	18.943	15.649	38.714	Present study
JM16-03	Oxide-rich tailings	1.210	2.474	18.940	15.651	38.719	Present study
JSF15-03	Efflorescent crusts on SRT	1.211	2.474	18.952	15.650	38.714	Present study
JSF15-10	Efflorescent crusts on SRT	1.211	2.474	18.943	15.649	38.712	Present study
EF16-01	Efflorescent crusts on SRT	1.209	2.474	18.918	15.644	38.704	Present study
JSF15-14	Efflorescent crusts on ORT	1.222	2.473	19.149	15.671	38.754	Present study
ENO1	Efflorescent crusts on ORT	1.210	2.474	18.938	15.651	38.717	Present study
EO2	Efflorescent crusts on ORT	1.228	2.472	19.260	15.684	38.772	Present study
EO1	Efflorescent crusts on ORT	1.229	2.472	19.287	15.690	38.792	Present study
JSF15-10	Efflorescent crusts on ORT	1.209	2.474	18.925	15.654	38.730	Present study
JSF15-12B	Efflorescent crusts on ORT	1.229	2.472	19.276	15.688	38.788	Present study
ACN-01	Street dust (Aconchi)	1.208	2.466	18.915	15.661	38.614	Present study
ACN-02	Street dust (Aconchi)	1.215	2.472	19.031	15.661	38.709	Present study
ACN-03	Street dust (Aconchi)	1.209	2.468	18.939	15.661	38.648	Present study
HPC-01	Street dust (Huepac)	1.220	2.472	19.125	15.676	38.745	Present study
HPC-02	Street dust (Huepac)	1.208	2.474	18.910	15.649	38.710	Present study
HPC-02	Street dust (Huepac)	1.209	2.473	18.905	15.643	38.693	Present study
HPC-03	Street dust (Huepac)	1.218	2.469	19.083	15.667	38.681	Present study
RHPC-01	Street dust (Ranchito de Huepac)	1.222	2.474	19.156	15.673	38.778	Present study
PSF16-01	Street dust (San Felipe de Jesús)	1.217	2.472	19.064	15.666	38.731	Present study
PSF16-02	Street dust (San Felipe de Jesús)	1.220	2.473	19.121	15.669	38.744	Present study
PSF16-03	Street dust (San Felipe de Jesús)	1.217	2.473	19.056	15.661	38.727	Present study
PSF16-04	Street dust (San Felipe de Jesús)	1.210	2.474	18.925	15.648	38.708	Present study
PSF16-05	Street dust (San Felipe de Jesús)	1.230	2.472	19.290	15.685	38.779	Present study
PSF16-06	Street dust (San Felipe de Jesús)	1.228	2.472	19.250	15.684	38.773	Present study
PSF16-07	Street dust (San Felipe de Jesús)	1.226	2.473	19.230	15.682	38.774	Present study
PSF16-08	Street dust (San Felipe de Jesús)	1.220	2.473	19.104	15.665	38.740	Present study
SSF15-15	Agricultural soil	1.227	2.473	19.244	15.682	38.784	Present study
SSF15-18	Agricultural soil	1.229	2.473	19.270	15.684	38.795	Present study
GA-12a	Pyrrhotite from El Gachi mine	1.205	2.475	18.859	15.645	38.720	Present study
7-25-09-3	El Oquimonis granite (42 Ma)	1.228	2.480	19.264	15.684	38.898	González-Becuar et al. (2017)
EGB12-33	El Palofierral orthogneiss (>72 Ma)	1.238	2.470	19.408	15.680	38.731	González-Becuar et al. (2017)
EGB12-23	El Gato diorite (72 Ma)	1.228	2.472	19.226	15.656	38.699	González-Becuar et al. (2017)
9-27-09-2	Las Mayitas granodiorite (20 Ma)	1.220	2.477	19.105	15.656	38.781	González-Becuar et al. (2017)
11-21-09-3	El Garambullo gabbro (20 Ma)	1.219	2.476	19.091	15.666	38.783	González-Becuar et al. (2017)
9-30-09-4	La Aurora Tonalita	1.225	2.481	19.185	15.667	38.867	González-León et al. (2011)
9-29-09-3	Granito Huépac	1.236	2.480	19.400	15.696	38.923	González-León et al. (2011)
BCS1	BCM spill (2014)	1.185	2.462	18.657	15.746	38.765	Romo-Morales et al. (2020)

Note: SRT, sulfide-rich tailings; ORT, oxide-rich tailings; BCM, Buenavista del Cobre mine; Ma, million years.