



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 1  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

**CERTIFICATE CH18233565**

Project: SATEVO

This report is for 5 Rock samples submitted to our lab in Chihuahua, CHIHUAHUA, Mexico on 20-SEP-2018.

The following have access to data associated with this certificate:

GUILLERMO VILLALOBOS		
----------------------	--	--

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
ME-XRF26	Whole Rock By Fusion/XRF	XRF
OA-GRA05x	LOI for XRF	WST-SEQ

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - A  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

**CERTIFICATE OF ANALYSIS CH18233565**

Sample Description	Method Analyte Units LOD	WEI-21	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	
		Recvd Wt.	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	SiO2	SrO	TiO2
		kg	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
M1 Manantial		4.31	11.80	0.07	12.95	0.01	2.55	7.89	2.15	0.05	0.80	0.05	0.02	49.51	0.07	0.43
M2 Arroyo Alto		6.36	9.74	0.05	9.22	<0.01	2.28	7.00	2.91	0.04	0.67	0.05	0.04	57.28	0.04	0.35
ABT-4 Bajo		5.85	11.68	0.07	11.05	0.01	3.04	6.65	3.89	0.06	1.13	0.07	0.04	49.47	0.04	0.46
T5 Tajo		2.70	8.68	0.05	14.45	<0.01	2.92	5.66	6.05	0.05	0.85	0.07	0.08	45.08	0.04	0.40
T6 Tajo6		3.79	10.80	0.49	9.02	<0.01	2.01	3.39	2.59	0.02	1.52	0.04	0.32	56.55	0.30	0.64

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - B  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method	Analyte	Units	LOD	ME-XRF26	OA-GRA05x	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Total	LOI 1000	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	0.01	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M1 Manantial	100.15	11.68	0.08	5.98	25.9	350	1.62	0.12	8.62	0.12	40.1	6.3	28	44.7	7.2
M2 Arroyo Alto	99.02	9.28	0.06	4.90	43.8	260	1.43	0.13	6.12	0.11	38.8	4.6	16	105.5	9.3
ABT-4 Bajo	98.85	11.09	0.12	5.99	41.4	400	1.68	0.18	7.27	0.21	46.0	6.6	21	104.5	11.8
T5 Tajo	98.80	14.31	0.06	4.51	29.4	230	1.57	0.16	9.69	0.11	36.7	6.8	23	194.5	14.8
T6 Tajo6	99.07	11.31	0.05	5.34	8.2	4230	2.36	0.12	5.75	0.11	27.3	3.1	14	438	5.5

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - C  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
M1 Manantial		1.70	12.95	0.26	2.7	0.039	4.97	19.8	670	1.14	388	0.74	0.57	8.5	12.2	230
M2 Arroyo Alto		1.51	10.75	0.23	2.5	0.028	5.34	16.0	1470	1.56	334	0.52	0.48	6.8	8.6	210
ABT-4 Bajo		2.03	13.40	0.24	3.2	0.042	4.95	20.8	1900	2.15	445	0.46	0.82	9.0	13.3	300
T5 Tajo		1.97	10.40	0.24	2.7	0.041	4.77	16.6	4470	3.51	413	0.69	0.63	7.9	12.0	290
T6 Tajo6		1.33	13.45	0.26	4.9	0.047	2.67	21.4	780	1.36	181	0.55	1.08	15.8	5.6	170

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - D  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Tl % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
M1 Manantial		11.0	98.7	0.008	0.01	1.44	5.9	1	1.3	642	0.65	<0.05	5.81	0.224	1.08	1.4
M2 Arroyo Alto		8.0	125.0	0.152	0.01	1.19	4.9	1	1.1	344	0.51	<0.05	3.34	0.181	0.76	2.0
ABT-4 Bajo		14.5	139.5	0.119	0.01	1.42	6.9	1	1.4	419	0.65	<0.05	4.37	0.244	0.96	2.3
T5 Tajo		12.1	251	0.051	0.03	1.60	7.3	1	1.3	447	0.56	<0.05	4.43	0.224	0.77	3.8
T6 Tajo6		8.5	131.0	0.010	0.13	1.18	3.8	<1	3.0	2850	1.33	0.05	4.31	0.151	1.05	3.2

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - E  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.02	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01
M1 Manantial		199	3.3	14.2	43	84.6										
M2 Arroyo Alto		134	3.1	10.5	42	89.6										
ABT-4 Bajo		142	3.3	12.6	58	115.5										
T5 Tajo		220	6.4	13.4	57	92.7	0.04	2.75	30.2	<0.02	440	80	1.32	0.14	9.49	0.12
T6 Tajo6		63	3.5	11.2	46	136.0										



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - F  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method	Analyte	Units	LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41				
					Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	
					ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	
					0.02	0.1	1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	
M1 Manantial M2 Arroyo Alto ABT-4 Bajo T5 Tajo T6 Tajo6					32.7	6.5	20	188.5	14.7	1.95	7.21	1.02	1.77	0.01	0.039	3.42	14.2	4250	3.45	



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - G  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method	Analyte	Units	LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41				
					Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr
					ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
					5	0.05	0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2
M1 Manantial M2 Arroyo Alto ABT-4 Bajo T5 Tajo T6 Tajo6					383	0.59	0.20	1.02	11.5	300	9.8	232	0.056	0.04	0.95	7.1	0.8	1.2	400

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: 2 - H  
 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

Sample Description	Method Analyte Units LOD	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
M1 Manantial M2 Arroyo Alto ABT-4 Bajo T5 Tajo T6 Tajo6		<0.01	0.01	3.6	0.122	0.60	3.28	214	2.67	10.90	55	55.8



ALS Chemex de México S.A. de C.V.  
 Ignacio Salazar 688, Local 5  
 Fracc. Los Vinedos  
 Hermosillo SONORA 83147  
 Phone: +52 (662) 218 4403 Fax: +52 (662) 218 4487  
 www.alsglobal.com/geochemistry

To: GRUPO BARALAL, S. DE R.L. DE C.V.  
 LAZARO DE BAIGORRI 1400  
 SAN FELIPE I  
 CHIHUAHUA CHIHUAHUA 31203

Page: Appendix 1  
 Total # Appendix Pages: 1  
 Finalized Date: 1-OCT-2018  
 Account: GBSDRDCH

Project: SATEVO

<b>CERTIFICATE OF ANALYSIS CH18233565</b>
---

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41								
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	Processed at ALS Chihuahua located at Avenida de las Industrias No 6500, Col. Zona Industrial Nombre de Dios, Chihuahua, CHIHUAHUA, Mexico. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">DRY-21</td> <td style="width: 33%;">LOG-22</td> </tr> <tr> <td>PUL-31</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	DRY-21	LOG-22	PUL-31	SPL-21	WEI-21	
CRU-31	CRU-QC	DRY-21	LOG-22						
PUL-31	SPL-21	WEI-21							
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">ME-MS41</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;">ME-XRF26</td> <td style="width: 33%;">OA-GRA05x</td> </tr> </table>	ME-MS41	ME-MS61	ME-XRF26	OA-GRA05x				
ME-MS41	ME-MS61	ME-XRF26	OA-GRA05x						