



Invoice No.: 19908
Work Order: 20172
Invoice Date: 12-JUL-00
Date Submitted: 30-JUN-00
Your Reference: NONE
Account Number: 2638

INFORMES Y PROYECTOS S.A.
ATTN: FABIAN LOPEZ OLMEDO
C/ GENERAL DIAZ PORLIER, N. 49
28001 MADRID (SPAIN)

CERTIFICATE OF ANALYSIS

3 PULPS were submitted for analysis.

The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

REPORT 19908 CODE 4LITHO-MAJ ELEM FUS ICP(WRA.REV2)

REPORT 19908 RPT.XLS CODE 4LITHO-TRACE ELEM FUS ICP/MS(WRA4B2.REV4)

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CERTIFIED BY :



DR E.HOFFMAN/GENERAL MANAGER

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Activation Laboratories Ltd. Work Order No. 20172 Report No. 19908

SAMPLE	SiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	TOTAL	Ba	Sr	Y	Sc	Zr	Be	V
	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
17-23 YP-FL 9024	68.86	15.24	3.58	0.053	1.03	2.29	2.84	4.87	0.513	0.23	0.56	100.06	705	123	51	10	250	2	39
17-23 YP-FL 9025	76.94	12.83	1.07	0.047	0.16	0.78	3.49	4.48	0.084	0.04	0.37	100.30	83	22	55	4	92	5	6
17-23 YP-FL 9026	73.82	14.26	1.67	0.041	0.33	1.58	3.52	4.53	0.177	0.07	0.37	100.36	302	66	48	5	118	4	15
SY3 CERT	<u>59.62</u>	<u>11.75</u>	<u>6.49</u>	<u>0.32</u>	<u>2.67</u>	<u>8.26</u>	<u>4.12</u>	<u>4.23</u>	<u>0.15</u>	<u>0.54</u>	1.16		450	<u>302</u>	<u>718</u>	6.8	<u>320</u>	20	50 syenite
SY-3/B8	60.46	11.83	6.48	0.328	2.60	8.26	4.20	4.28	0.139	0.55			468	307	720	9	338	21	50
MRG-1 CERT	<u>39.09</u>	<u>8.46</u>	<u>17.93</u>	<u>0.17</u>	<u>13.55</u>	<u>14.71</u>	<u>0.74</u>	<u>0.18</u>	<u>3.77</u>	<u>0.08</u>	1.56		61	<u>266</u>	14	<u>55</u>	<u>108</u>	0.61	<u>526</u> gabbro
MRG-1/32	38.86	8.43	17.93	0.169	13.65	14.70	0.75	0.19	3.781	0.06			54	265	13	57	85	-1	526
W-2 CERT	<u>52.44</u>	<u>15.35</u>	<u>10.74</u>	<u>0.160</u>	<u>6.37</u>	<u>10.87</u>	<u>2.14</u>	<u>0.627</u>	<u>1.06</u>	<u>0.131</u>	0.60		182	<u>194</u>	<u>24</u>	<u>35</u>	<u>94</u>	1.3	<u>262</u> diabase
W-2/B28	52.50	15.42	10.76	0.166	6.31	10.90	2.14	0.57	1.059	0.13			187	198	22	37	80	-1	264
DNC-1 CERT	<u>47.04</u>	<u>18.30</u>	<u>9.93</u>	<u>0.150</u>	<u>10.05</u>	<u>11.27</u>	<u>1.87</u>	<u>0.229</u>	<u>0.48</u>	<u>0.085</u>	0.60		114	<u>145</u>	<u>18</u>	<u>31</u>	<u>41</u>	1	<u>148</u> dolerite
DNC-1/C	46.95	18.32	9.92	0.147	10.10	11.27	1.87	0.23	0.469	0.07			113	144	17	32	39	-1	145
BIR-1 CERT	<u>47.77</u>	<u>15.35</u>	<u>11.26</u>	<u>0.170</u>	<u>9.68</u>	<u>13.24</u>	<u>1.75</u>	0.027	0.96	0.05			7.7	<u>108</u>	<u>16</u>	<u>44</u>	22	0.58	313 basalt
BIR-1/211	47.51	15.47	11.32	0.171	9.62	13.25	1.75	0.03	0.941	0.03			8	108	16	45	22	-1	317
G-2 CERT	<u>69.08</u>	<u>15.35</u>	<u>2.66</u>	<u>0.030</u>	<u>0.75</u>	<u>1.96</u>	<u>4.08</u>	<u>4.48</u>	<u>0.48</u>	<u>0.14</u>			1882	<u>478</u>	<u>11</u>	<u>3.5</u>	<u>309</u>	<u>2.5</u>	<u>36</u> granite
G-2/B36	69.95	15.33	2.64	0.032	0.73	1.95	4.10	4.53	0.465	0.14			1855	476	10	4	308	2	36
NBS 1633a CERT	<u>48.78</u>	<u>27.02</u>	<u>13.44</u>	<u>0.020</u>	<u>0.75</u>	<u>1.55</u>	<u>0.23</u>	<u>2.26</u>	<u>1.330</u>	0.38			1500	<u>830</u>	86	<u>40</u>	<u>310</u>	<u>12</u>	<u>297</u> fly ash
NBS 1633a/B	48.31	27.11	13.45	0.022	0.73	1.59	0.23	2.10	1.343	0.39			1375	805	85	39	245	12	279
STM-1 CERT	<u>59.64</u>	<u>18.39</u>	<u>5.22</u>	<u>0.220</u>	<u>0.101</u>	<u>1.09</u>	<u>8.94</u>	<u>4.28</u>	<u>0.135</u>	<u>0.158</u>			560	<u>700</u>	<u>46</u>	<u>0.61</u>	<u>1210</u>	9.6	(8.7) syenite
STM-1/B	59.80	18.33	5.21	0.221	0.09	1.16	8.93	4.33	0.127	0.17			621	698	44	-1	1211	8	-5
MICA-Fe CERT	<u>34.40</u>	<u>19.50</u>	<u>25.65</u>	<u>0.350</u>	<u>4.55</u>	<u>0.43</u>	<u>0.300</u>	<u>8.750</u>	<u>2.500</u>	<u>0.450</u>			150	<u>5</u>	50	<u>14.8</u>	<u>800</u>	<u>4.5</u>	<u>135</u> biotite
MICA-Fe/B	34.05	19.33	25.72	0.349	4.53	0.39	0.26	8.74	2.455	0.45			154	7	45	15	770	4	143
FK-N CERT	<u>65.02</u>	<u>18.61</u>	<u>0.09</u>	<u>0.005</u>	<u>0.01</u>	<u>0.11</u>	<u>2.58</u>	<u>12.81</u>	<u>0.02</u>	<u>0.02</u>			200	<u>39</u>	0.3	0.05	13	1	3 K-feldspar
FK-N/B	65.55	18.63	0.11	0.003	0.01	0.10	2.32	12.89	0.007	0.02			215	38	-1	-1	11	1	-5

Note: Certificate data underlined are recommended values; other values are proposed except those preceded by a "(I" which are information values.
 Note: The Fe2O3 for the standards is Total Fe2O3 and has not been adjusted for the FeO.


 Adrienne I. Rittau, B.Sc., C.Chem
 ICP Technical Manager

Lithogeochem (Standard Package) Job #: 20172

Report#: 19908

Customer: Informes Y Proyectos S.A.

Contact: F. Lopez Olmedo

Trace Element Values Are in Parts Per Million. Negative Values Equal Not Detected at That Lower Limit.

Sample ID:	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
17-23 YP-FL 9024	36	101	6	22	-10	142	21	2	-5	194	124	52	253	12	4
17-23 YP-FL 9025	6	67	-1	-20	-10	45	17	2	-5	259	21	55	88	10	2
17-23 YP-FL 9026	12	62	2	-20	157	33	17	1	10	189	63	47	113	9	2
Blank	-5	-20	-1	-20	-10	-30	-1	-1	-5	-2	-2	-1	-5	-1	-2
Standard MAG1	132	91	21	52	27	114	21	1	9	138	143	28	119	14	-2
Certified MAG1	140*	97*	20.4*	53*	30*	130*	20.4*		9.2	149*	146*	28*	126*	12	1.6
Standard BIR1	321	400	50	160	126	67	17	1	-5	-2	114	16	14	-1	-2
Certified BIR1	313*	382*	51.4*	166*	126*	71*	16	1.5	(0.4)	0.25*	108*	16*	16	0.6	(0.5)
Standard DNC1	144	272	55	264	102	60	15	1	-5	3	148	18	36	2	-2
Certified DNC1	148*	285*	54.7*	247*	96*	66*	15	(1.3)	(0.2)	(4.5)	145*	18*	41*	3	(0.7)
Standard GXR-2	50	31	8	-20	73	565	40	1	27	76	162	19	252	10	-2
Certified GXR-2	52	36	8.6	21	76	530	37		25	78.0	160	17	269	11	(2.1)
Standard LKSD-3	79	79	26	44	30	140	14	1	25	75	240	29	166	7	-2
Certified LKSD-3	82	87	30	47	35	152			27	78	240	30	178	8	(<5)
Standard MICA-Fe	132	85	26	-20	-10	1,300	94	3	-5	2,200	4	47	779	275	-2
Certified Mica Fe	135*	90*	23*	35*	5*	1300*	95*	3.2	3	2200*	5*	48*	800*	270*	1.2
Standard GXR1	88	-20	9	43	1,120	769	16	3	454	4	302	35	32	3	19
Certified GXR1	80	12	8.2	41	1,110	760	14		427	(14)	275	32	(38)	(0.8)	18
Standard SY3	50	-40	7	-40	36	259	27	2	19	205	326	721	343	161	-4
Certified SY3	50	(11)	8.8	11	17	244*	27*	1.4	19	206*	302*	718*	320	148	(1.0)
Standard STM-1	-5	-20	-1	-20	-10	257	36	2	-5	107	694	47	1,230	252	5
Certified STM-1	(8.7)	(4.3)	0.9	(3)	(4.6)	235*	36*	(1.4)	4.6	118*	700*	46*	1210*	268*	5.2
Standard IFG-1	-5	-20	31	26	14	-30	2	23	-5	-2	5	10	-5	-1	-2
Certified IFG-1	2	4	29*	22.5	13*	20*	0.7	24	1.5	0.4	3	9*	1	0.1*	0.7

NOTE: '*' = RECOMMENDED VALUES
 '(')' = INFORMATION VALUES
 ALL OTHER VALUES ARE PROPOSED

Certified By:



D. D'Anna, Dipl. T.
 ICPMS Technical Manager, Activation Laboratories Ltd.

Date: 20 July 2000

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 Unless otherwise instructed, samples will be disposed of 90 days from the date of this report.

Lithogeochem (Standard Package) Job #: 20172

Trace Element Values Are in Parts Per Million. Negative Values Equ

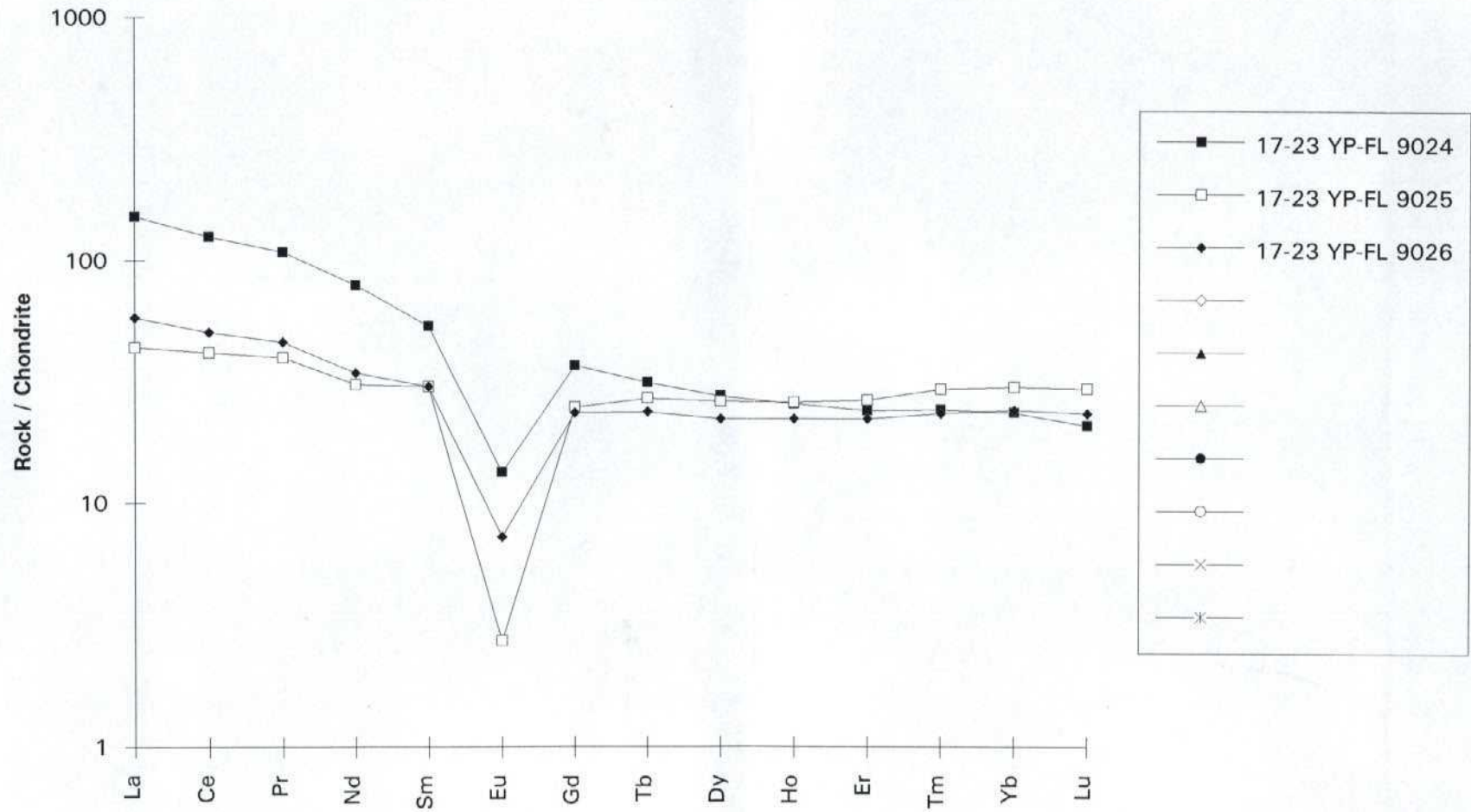
Sample ID:	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
17-23 YP-FL 9024	3.3	-0.2	5	-0.5	9.5	687	47.8	102	12.1	47.1	10.3	0.96	9.5	1.5
17-23 YP-FL 9025	-0.5	-0.2	17	-0.5	19.0	79	13.8	33.8	4.45	18.3	5.8	0.20	6.4	1.3
17-23 YP-FL 9026	-0.5	-0.2	6	-0.5	9.4	291	18.3	41.1	5.14	20.5	5.8	0.52	6.1	1.2
Blank	-0.5	-0.2	-1	-0.5	-0.5	-3	-0.1	-0.1	-0.05	-0.1	-0.1	-0.05	-0.1	-0.1
Standard MAG1	-0.5	-0.2	3	1.0	8.5	473	42.7	86.2	9.71	37.2	7.2	1.51	6.6	1.0
Certified MAG1	0.08	(0.18)	3.6	0.96*	8.6*	479*	43*	88*	9.3	38*	7.5*	1.55*	5.8*	0.96*
Standard BIR1	-0.5	-0.2	-1	0.7	-0.5	8	0.7	2.0	0.39	2.4	1.1	0.55	1.7	0.3
Certified BIR1	(0.036)		0.65	0.58	0.005	7	0.62*	1.95*	0.38*	2.5*	1.1*	0.54*	1.85*	0.36*
Standard DNC1	-0.5	-0.2	1	0.9	-0.5	107	3.8	8.2	1.05	4.9	1.4	0.61	1.9	0.4
Certified DNC1	(0.027)			0.96*	(0.34)	114*	3.8*	10.6	1.3	4.9*	1.38*	0.69*	2	0.41*
Standard GXR-2	16.9	-0.2	2	44.4	5.5	2,240	26.2	52.2	5.42	20.2	3.7	0.84	3.4	0.5
Certified GXR-2	17	(0.252)	1.7	49	5.2	2,240	25.6	51.4		(19)	3.5	0.81	(3.3)	0.48
Standard LKSD-3	2.5	-0.2	2	1.1	2.1	619	46.0	85.4	10.7	40.7	7.2	1.43	6.5	0.9
Certified LKSD-3	2.7		3	1.3	2.3	680	52	90		44	8.0	1.50		1.0
Standard MICA-Fe	-0.5	0.6	70	0.3	180	143	200	421	49.3	181	33.4	0.68	24.6	2.7
Certified Mica Fe		0.60	70*		180*	150*	200*	420*	49*	180*	33*	0.7*	21*	2.7*
Standard GXR1	31	0.8	54	122	3	759	8.3	16	2.1	9.5	2.7	0.7	4.2	0.9
Certified GXR1	31	0.8	54	122	3.0	750	7.5	17		(18)	2.7	0.69	4.2	0.83
Standard SY3	-1	-0.4	8	-1	3	449	1,350	2,250	223	673	110	17.1	105	18.1
Certified SY3	(1.5)		(6.5)	0.31	3	450	1340*	2230*	223*	670	109	17*	105*	18
Standard STM-1	-0.5	-0.2	10	1.8	1.5	577	152	260	25.0	79.8	12.1	3.62	10.8	1.5
Certified STM-1	0.079*	(0.12)	6.8	1.66*	1.54*	560*	150*	259*	19*	79*	12.6*	3.6*	9.5*	1.55*
Standard IFG-1	-0.5	-0.2	-1	0.9	-0.5	-3	3.1	4.8	0.52	0.2	0.5	0.40	0.7	0.1
Certified IFG-1		0.2	0.3	0.63	0.06	1.5	2.8*	4*	0.4*	0.2	0.4*	0.39*	0.74*	0.11*

Lithogeochem (Standard Package) Job #: 20172

Trace Element Values Are in Parts Per Million. Negative Values Equ

Sample ID:	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
17-23 YP-FL 9024	8.9	1.8	5.1	0.77	4.9	0.67	7.3	1.3	2	1.2	56	1.4	28.3	6.4
17-23 YP-FL 9025	8.5	1.8	5.6	0.94	6.2	0.95	4.2	3.1	2	1.6	64	3.5	26.8	13.5
17-23 YP-FL 9026	7.2	1.5	4.7	0.74	5.0	0.75	4.4	2.0	2	0.9	49	-0.4	22.6	6.1
Blank	-0.1	-0.1	-0.1	-0.05	-0.1	-0.04	-0.2	-0.1	-1	-0.1	-5	-0.4	-0.1	-0.1
Standard MAG1	5.2	1.0	2.9	0.42	2.7	0.37	3.5	1.2	1	0.2	23	-0.4	11.7	2.8
Certified MAG1	5.2*	1.02*	3	0.43*	2.6*	0.40*	3.7*	1.1	1.4	(0.59)	24*	0.34	11.9*	2.7*
Standard BIR1	2.7	0.6	1.9	0.27	1.9	0.29	0.6	-0.1	-1	-0.1	-5	-0.4	-0.1	-0.1
Certified BIR1	2.5*	0.57*	1.7*	0.26*	1.65	0.26*	0.6*	0.04	0.07	(0.01)	3	(0.02)	0.03	0.01
Standard DNC1	2.9	0.6	2.1	0.31	2.1	0.34	1.1	-0.1	-1	-0.1	4	-0.4	0.3	-0.1
Certified DNC1	2.7	0.62	2*	(0.33)	2.01*	0.32*	1.01*	0.098*	(0.2)	(0.026)	6.3	(0.02)	(0.2)	(0.1)
Standard GXR-2	3.0	0.6	1.9	0.28	1.9	0.28	7.0	0.9	2	0.3	659	-0.4	8.5	2.9
Certified GXR-2	3.3			(0.3)	2.04	(0.27)	8.3	0.9	1.9	1.03	690	(0.69)	8.8	2.9
Standard LKSD-3	4.8	0.9	2.9	0.42	2.7	0.39	4.3	0.6	-1	0.1	27	-0.4	9.8	4.2
Certified LKSD-3	4.9				2.7	0.4	4.8	0.7	(<4)		29		11.4	4.6
Standard MICA-Fe	10.8	1.4	3.4	0.56	2.9	0.27	25.9	34.4	8	16.0	14	1.8	140	83.9
Certified Mica Fe	11*	1.6*	3.8*	0.48*	3.5*	0.5*	26*	35*	15	16	13*	2	150*	80*
Standard GXR1	4.6	1.0	3.2	0.4	2.7	0.26	0.9	0.1	175	0.4	693	1,380	2.4	35.4
Certified GXR1	4.3			(0.43)	1.9	0.3	1.0	0.175	164	(0.39)	730	1,380	2.44	34.9
Standard SY3	118	29.5	68.4	11.7	62.2	7.94	12.7	25.7	2	1.4	133	3.3	1,000	650
Certified SY3	118	29.5*	68	11.6*	(62)	7.90	9.70	30*	1.1*	1.50	133*	(0.8)	1003*	650*
Standard STM-1	8.2	1.5	4.5	0.67	4.5	0.59	28.6	19.7	4	0.2	19	1.7	33.6	8.7
Certified STM-1	8.1*	1.9	4.2*	0.69	4.4*	0.60	28*	18.6*	3.6*	0.26	17.7*	0.13	31*	9.06*
Standard IFG-1	0.9	0.2	0.7	0.09	0.7	0.09	-0.2	0.2	218	-0.1	-5	-0.4	0.1	-0.1
Certified IFG-1	0.8*	0.2*	0.63*	0.09*	0.6*	0.09*	0.04	0.2	220	0.02	4		0.1	0.02

Chart2



Activation Laboratories Ltd. Work Order No. 20172 Report No. 19908

SAMPLE	SiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	TOTAL	Ba	Sr	Y	Sc	Zr	Be	V
	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
17-23 YP-FL 9024	68.86	15.24	3.58	0.053	1.03	2.29	2.84	4.87	0.513	0.23	0.56	100.06	705	123	51	10	250	2	39
17-23 YP-FL 9025	76.94	12.83	1.07	0.047	0.16	0.78	3.49	4.48	0.084	0.04	0.37	100.30	83	22	55	4	92	5	6
17-23 YP-FL 9026	73.82	14.26	1.67	0.041	0.33	1.58	3.52	4.53	0.177	0.07	0.37	100.36	302	66	48	5	118	4	15
SY3 CERT	<u>59.62</u>	<u>11.75</u>	<u>6.49</u>	<u>0.32</u>	<u>2.67</u>	<u>8.26</u>	<u>4.12</u>	<u>4.23</u>	<u>0.15</u>	<u>0.54</u>	1.16		450	<u>302</u>	<u>718</u>	6.8	<u>320</u>	20	50 syenite
SY-3/B8	60.46	11.83	6.48	0.328	2.60	8.26	4.20	4.28	0.139	0.55			468	307	720	9	338	21	50
MRG-1 CERT	<u>39.09</u>	<u>8.46</u>	<u>17.93</u>	<u>0.17</u>	<u>13.55</u>	<u>14.71</u>	<u>0.74</u>	<u>0.18</u>	<u>3.77</u>	<u>0.08</u>	1.56		61	<u>266</u>	14	<u>55</u>	<u>108</u>	0.61	<u>526</u> gabbro
MRG-1/32	38.86	8.43	17.93	0.169	13.65	14.70	0.75	0.19	3.781	0.06			54	265	13	57	85	-1	526
W-2 CERT	<u>52.44</u>	<u>15.35</u>	<u>10.74</u>	<u>0.160</u>	<u>6.37</u>	<u>10.87</u>	<u>2.14</u>	<u>0.627</u>	<u>1.06</u>	<u>0.131</u>	0.60		182	<u>194</u>	<u>24</u>	<u>35</u>	<u>94</u>	1.3	<u>262</u> diabase
W-2/B28	52.50	15.42	10.76	0.166	6.31	10.90	2.14	0.57	1.059	0.13			187	198	22	37	80	-1	264
DNC-1 CERT	<u>47.04</u>	<u>18.30</u>	<u>9.93</u>	<u>0.150</u>	<u>10.05</u>	<u>11.27</u>	<u>1.87</u>	<u>0.229</u>	<u>0.48</u>	0.085	0.60		<u>114</u>	<u>145</u>	<u>18</u>	<u>31</u>	<u>41</u>	1	<u>148</u> dolerite
DNC-1/C	46.95	18.32	9.92	0.147	10.10	11.27	1.87	0.23	0.469	0.07			113	144	17	32	39	-1	145
BIR-1 CERT	<u>47.77</u>	<u>15.35</u>	<u>11.26</u>	<u>0.170</u>	<u>9.68</u>	<u>13.24</u>	<u>1.75</u>	0.027	0.96	0.05			7.7	<u>108</u>	<u>16</u>	<u>44</u>	22	0.58	313 basalt
BIR-1/211	47.51	15.47	11.32	0.171	9.62	13.25	1.75	0.03	0.941	0.03			8	108	16	45	22	-1	317
G-2 CERT	<u>69.08</u>	<u>15.35</u>	<u>2.66</u>	<u>0.030</u>	<u>0.75</u>	<u>1.96</u>	<u>4.08</u>	<u>4.48</u>	<u>0.48</u>	<u>0.14</u>			1882	<u>478</u>	<u>11</u>	<u>3.5</u>	<u>309</u>	<u>2.5</u>	36 granite
G-2/B36	69.95	15.33	2.64	0.032	0.73	1.95	4.10	4.53	0.465	0.14			1855	476	10	4	308	2	36
NBS 1633a CERT	<u>48.78</u>	<u>27.02</u>	<u>13.44</u>	<u>0.020</u>	<u>0.75</u>	<u>1.55</u>	<u>0.23</u>	<u>2.26</u>	<u>1.330</u>	0.38			1500	<u>830</u>	86	<u>40</u>	<u>310</u>	<u>12</u>	<u>297</u> fly ash
NBS 1633a/B	48.31	27.11	13.45	0.022	0.73	1.59	0.23	2.10	1.343	0.39			1375	805	85	39	245	12	279
STM-1 CERT	<u>59.64</u>	<u>18.39</u>	<u>5.22</u>	<u>0.220</u>	<u>0.101</u>	<u>1.09</u>	<u>8.94</u>	<u>4.28</u>	<u>0.135</u>	<u>0.158</u>			560	<u>700</u>	<u>46</u>	<u>0.61</u>	<u>1210</u>	9.6	(8.7) syenite
STM-1/B	59.80	18.33	5.21	0.221	0.09	1.16	8.93	4.33	0.127	0.17			621	698	44	-1	1211	8	-5
MICA-Fe CERT	<u>34.40</u>	<u>19.50</u>	<u>25.65</u>	<u>0.350</u>	<u>4.55</u>	<u>0.43</u>	<u>0.300</u>	<u>8.750</u>	<u>2.500</u>	<u>0.450</u>			<u>150</u>	<u>5</u>	50	<u>14.8</u>	<u>800</u>	<u>4.5</u>	<u>135</u> biotite
MICA-Fe/B	34.05	19.33	25.72	0.349	4.53	0.39	0.26	8.74	2.455	0.45			154	7	45	15	770	4	143
FK-N CERT	<u>65.02</u>	<u>18.61</u>	<u>0.09</u>	<u>0.005</u>	<u>0.01</u>	<u>0.11</u>	<u>2.58</u>	<u>12.81</u>	<u>0.02</u>	<u>0.02</u>			<u>200</u>	<u>39</u>	0.3	0.05	13	1	3 K-feldspar
FK-N/B	65.55	18.63	0.11	0.003	0.01	0.10	2.32	12.89	0.007	0.02			215	38	-1	-1	11	1	-5

Note: Certificate data underlined are recommended values; other values are proposed except those preceded by a "I" which are information values.
 Note: The Fe2O3 for the standards is Total Fe2O3 and has not been adjusted for the FeO.


 Adrienne I. Rittau, B.Sc., C.Chem
 ICP Technical Manager

Lithogeochem (Standard Package) Job #: 20172

Report#: 19908

Customer: Informes Y Proyectos S.A.

Contact: F. Lopez Olmedo

Trace Element Values Are in Parts Per Million. Negative Values Equal Not Detected at That Lower Limit.

Sample ID:	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
17-23 YP-FL 9024	36	101	6	22	-10	142	21	2	-5	194	124	52	253	12	4
17-23 YP-FL 9025	6	67	-1	-20	-10	45	17	2	-5	259	21	55	88	10	2
17-23 YP-FL 9026	12	62	2	-20	157	33	17	1	10	189	63	47	113	9	2
Blank	-5	-20	-1	-20	-10	-30	-1	-1	-5	-2	-2	-1	-5	-1	-2
Standard MAG1	132	91	21	52	27	114	21	1	9	138	143	28	119	14	-2
Certified MAG1	140*	97*	20.4*	53*	30*	130*	20.4*		9.2	149*	146*	28*	126*	12	1.6
Standard BIR1	321	400	50	160	126	67	17	1	-5	-2	114	16	14	-1	-2
Certified BIR1	313*	382*	51.4*	166*	126*	71*	16	1.5	(0.4)	0.25*	108*	16*	16	0.6	(0.5)
Standard DNC1	144	272	55	264	102	60	15	1	-5	3	148	18	36	2	-2
Certified DNC1	148*	285*	54.7*	247*	96*	66*	15	(1.3)	(0.2)	(4.5)	145*	18*	41*	3	(0.7)
Standard GXR-2	50	31	8	-20	73	565	40	1	27	76	162	19	252	10	-2
Certified GXR-2	52	36	8.6	21	76	530	37		25	78.0	160	17	269	11	(2.1)
Standard LKSD-3	79	79	26	44	30	140	14	1	25	75	240	29	166	7	-2
Certified LKSD-3	82	87	30	47	35	152			27	78	240	30	178	8	(<5)
Standard MICA-Fe	132	85	26	-20	-10	1,300	94	3	-5	2,200	4	47	779	275	-2
Certified Mica Fe	135*	90*	23*	35*	5*	1300*	95*	3.2	3	2200*	5*	48*	800*	270*	1.2
Standard GXR1	88	-20	9	43	1,120	769	16	3	454	4	302	35	32	3	19
Certified GXR1	80	12	8.2	41	1,110	760	14		427	(14)	275	32	(38)	(0.8)	18
Standard SY3	50	-40	7	-40	36	259	27	2	19	205	326	721	343	161	-4
Certified SY3	50	(11)	8.8	11	17	244*	27*	1.4	19	206*	302*	718*	320	148	(1.0)
Standard STM-1	-5	-20	-1	-20	-10	257	36	2	-5	107	694	47	1,230	252	5
Certified STM-1	(8.7)	(4.3)	0.9	(3)	(4.6)	235*	36*	(1.4)	4.6	118*	700*	46*	1210*	268*	5.2
Standard IFG-1	-5	-20	31	26	14	-30	2	23	-5	-2	5	10	-5	-1	-2
Certified IFG-1	2	4	29*	22.5	13*	20*	0.7	24	1.5	0.4	3	9*	1	0.1*	0.7

NOTE: '*' = RECOMMENDED VALUES

'()' = INFORMATION VALUES

ALL OTHER VALUES ARE PROPOSED

Certified By:



D. D'Anna, Dipl. T.
ICPMS Technical Manager, Activation Laboratories Ltd.

Date: 20 July 2000

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Unless otherwise instructed, samples will be disposed of 90 days from the date of this report.

Lithochem (Standard Package) Job #: 20172

Trace Element Values Are in Parts Per Million. Negative Values Equ

Sample ID:	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
17-23 YP-FL 9024	3.3	-0.2	5	-0.5	9.5	687	47.8	102	12.1	47.1	10.3	0.96	9.5	1.5
17-23 YP-FL 9025	-0.5	-0.2	17	-0.5	19.0	79	13.8	33.8	4.45	18.3	5.8	0.20	6.4	1.3
17-23 YP-FL 9026	-0.5	-0.2	6	-0.5	9.4	291	18.3	41.1	5.14	20.5	5.8	0.52	6.1	1.2
Blank	-0.5	-0.2	-1	-0.5	-0.5	-3	-0.1	-0.1	-0.05	-0.1	-0.1	-0.05	-0.1	-0.1
Standard MAG1	-0.5	-0.2	3	1.0	8.5	473	42.7	86.2	9.71	37.2	7.2	1.51	6.6	1.0
Certified MAG1	0.08	(0.18)	3.6	0.96*	8.6*	479*	43*	88*	9.3	38*	7.5*	1.55*	5.8*	0.96*
Standard BIR1	-0.5	-0.2	-1	0.7	-0.5	8	0.7	2.0	0.39	2.4	1.1	0.55	1.7	0.3
Certified BIR1	(0.036)		0.65	0.58	0.005	7	0.62*	1.95*	0.38*	2.5*	1.1*	0.54*	1.85*	0.36*
Standard DNC1	-0.5	-0.2	1	0.9	-0.5	107	3.8	8.2	1.05	4.9	1.4	0.61	1.9	0.4
Certified DNC1	(0.027)			0.96*	(0.34)	114*	3.8*	10.6	1.3	4.9*	1.38*	0.59*	2	0.41*
Standard GXR-2	16.9	-0.2	2	44.4	5.5	2,240	26.2	52.2	5.42	20.2	3.7	0.84	3.4	0.5
Certified GXR-2	17	(0.252)	1.7	49	5.2	2,240	25.6	51.4		(19)	3.5	0.81	(3.3)	0.48
Standard LKSD-3	2.5	-0.2	2	1.1	2.1	619	46.0	85.4	10.7	40.7	7.2	1.43	6.5	0.9
Certified LKSD-3	2.7		3	1.3	2.3	680	52	90		44	8.0	1.50		1.0
Standard MICA-Fe	-0.5	0.6	70	0.3	180	143	200	421	49.3	181	33.4	0.68	24.6	2.7
Certified Mica Fe		0.60	70*		180*	150*	200*	420*	49*	180*	33*	0.7*	21*	2.7*
Standard GXR1	31	0.8	54	122	3	759	8.3	16	2.1	9.5	2.7	0.7	4.2	0.9
Certified GXR1	31	0.8	54	122	3.0	750	7.5	17		(18)	2.7	0.69	4.2	0.83
Standard SY3	-1	-0.4	8	-1	3	449	1,350	2,250	223	673	110	17.1	105	18.1
Certified SY3	(1.5)		(6.5)	0.31	3	450	1340*	2230*	223*	670	109	17*	105*	18
Standard STM-1	-0.5	-0.2	10	1.8	1.5	577	152	260	25.0	79.8	12.1	3.62	10.8	1.5
Certified STM-1	0.079*	(0.12)	6.8	1.66*	1.54*	560*	150*	259*	19*	79*	12.6*	3.6*	9.5*	1.55*
Standard IFG-1	-0.5	-0.2	-1	0.9	-0.5	-3	3.1	4.8	0.52	0.2	0.5	0.40	0.7	0.1
Certified IFG-1		0.2	0.3	0.63	0.06	1.5	2.8*	4*	0.4*	0.2	0.4*	0.39*	0.74*	0.11*