VALIDATED

SDMS Document ID
1029027

TABLE 1A
Rico Argentine
LABORATORY RESULTS (PPM)

ID	Sb	As	Ba	Cd	Ca	Cr	Al	Co	Cu	Fe	Pb	Mn
RAARCA1D1	2.2 UJ	18	57	12 J	14000 J	22	15000	23	1600 J	60000	2700	3200
RAARSC1S2	2.3 UJ	11	130	6.6 J	5000 J	14	10000	8.9	67 J	26000	440	1100
RAARTP1D1	7.4 J	38	290	9.4 J	6500 J	9.7	8000	7.7	310 J	40000	2300	3300
RAARWI1D1	2.5 J	18	170	14 J	3800 J	12	8000	6.3	190 J	30000	4400	700
RACOAD1S2	2.5 J	15	220	4.5 J	5300 J	19	11000	7.9	110 J	30000	760	1800
RACOJN1S2	2.2 UJ	20	260	5.9 J	4100 J	13	10000	9.5	85 J	25000	410	2800
RACOWH1S2	2.2 UJ	21	130	8.3 J	5600 J	14	9500	8.8	120 J	26000	600	1400
RAGACN1S2	2.7 J	17	100	22 J	6300 J	16	13000	11	210 J	34000	1400	1900
RAGAGA1S2	4 J	11	110	7.5 J	3800 J	16	10000	8.2	110 J	27000	610	1000
RAGAHO1S2	2.2 UJ	8.7	130	2.8 J	4000 J	12	8300	7.6	39 J	19000	310	1100
RAGLLA1S4	2.4 J	13 J	150 J	6.1	5600 J	16	11000	8.3	73 J	23000	510	1200 J
RAHALI1S2	2.2 UJ	16 J	130 J	6.3	4200 J	13	9400	7.8	87 J	25000	580	890 J
RAHARB01	2.7 J	32 J	28 J	82	1E+05 J	35	18000	15	480 J	70000	7800	6600 J
RAHARB02	3.9 J	23 J	110 J	34	49000 J	35	13000	7.6	300 J	66000	2200	280 J
RAHARB03	47 J	150 J	35 J	270	9100 J	4.8	1800	2.1	4000 J	2E+05	91000	310 J
RAHARB04	10 J	30 J	340 J	38	8700 J	8.4	6400	7.6	410 J	67000	3700	3300 J
RAHARB05	7.8 J	62	120	130 J	4500 J	15	8500	7.6	1500 J	71000	26000	800
RAHARB06	4.9 J	28	110	4.1 J	1600 J	7.4	4700	5.8	240 J	57000	1600	400
RAHARB07	3.7 J	13	76	13 J	2600 J	11	5200	2.9	160 J	39000	2400	100
RAHARB08	7.8 J	100	92	16 J	34000 J	26	14000	4.9	750 J	1E+05	3000	320
RAHARB09	5.7 J	16	73	16 J	2300 J	12	5200	3.4	150 J	31000	5400	140
RAHARO1S1	3 J	41	110	43 J	5900 J	50	8300	18	740 J	65000	5400	1900
RAHYFS1D1	2.5 UJ	13	140	7.1 J	4600 J	12	8700	6.9	19 J	21000	52	740
RAPKMI1D1	2.4 UJ	9.1	130	1.5 J	5800 J	19	13000	12	74 J	26000	99	1400
RARIFE1D1	2.4 UJ	17	190	2.9 J	5300 J	14	9300	9.6	55 J	26000	240	1200
RARIGS1S3	2.5 UJ	9.5	230	5.3 J	6900 J	19	13000	7.5	74 J	24000	700	1800
RASDGR1D1	2.1 UJ	5.9 J	260 J	0.52	5000 J	7.8	5200	5.1	12 J	15000	15	520 J
RASHCO1S1	2.2 UJ	18 J	120 J	29	8000 J	23	15000	11	190 J	36000	2000	2200 J
RASHDA1D1	2.3 UJ	13 J	90 J	4.1	3000 J	18	11000	8.6	110 J	25000	550	1200 J
RASOBO1S1	2.3 U	6.8	140	2.7	4600	9.4	6900	5.6	37	15000	440	760
RASOHE1D1	6.4	29	130	75	20000	16	9700	10	270	34000	7400	3800
RASOHE1S2	20	24	170	60	10000	14	9200	9.4	380	37000	41000	3000
RASOIR1D1	2.5 U	11	110	3.7	3100	12	8200	8.3	73	25000	450	930
RASVFO2S2	4	19	230	12	12000	14	9300	6.9	160	42000	1300	2800

U - The analyte was not detected above the detection limit. The detection limit is reported.
J - The associated numerical value is an estimated quantity between the detection limit and the quantitation limit.

VALIDATED

TABLE 1B

Rico Argentine

LABORATORY RESULTS (PPM)

ID	Be	Mg	Ni	K	Na	Se	Ag	V	Th	Zn
RAARCA1D1	0.99	14000	20	2800	110 U	3.7	84 J	30	5.5 U	1900
RAARSC1S2	0.83	5900	12	1700	120 U	1.6	3.2 J	24	2.3 U	1200
RAARTP1D1	0.8	3100	8.9	1600	120 U	2.7	10 J	20	3.5 U	2600
RAARWI1D1	0.65	3600	13	1400	120 U	2	7.2 J	23	2.4 U	1600
RACOAD1S2	0.92	5800	14	1800	120 U	1.8	7.6 J	27	2.3 U	1000
RACOJN1S2	0.94	4900	12	2100	110 U	1.7 U	1.1 J	25	3.3 U	780
RACOWH1S2	0.82	6500	13	1400	110 U	1.6	2.3 J	22	2.2 U	1300
RAGACN1S2	0.92	6900	21	1700	110 U	2.1	4 J	27	2.3 U	5700
RAGAGA1S2	0.69	5800	14	1400	110 U	1.4	2 J	25	2.3 U	1500
RAGAHO1S2	0.69	4400	11	1400	110 U	1.5	1.1 UJ	20	1.1 U	390
RAGLLA1S4	0.86	5700 J	13	2400	110 U	17	3	27	2.3 U	960 J
RAHALI1S2	0.82	5700 J	12	1700	110 U	1.1 U	2.2	24	2.2 U	970 J
RAHARB01	1.8	35000 J	20	1800	100 U	7.5	38	29	11 U	15000 J
RAHARB02	0.67	10000 J	19	2600	160	2.9 U	5.5	29	5.7 U	1700 J
RAHARB03	0.57 U	700 J	5.3	1700	310	13	210	17	23 U	45000 J
RAHARB04	0.99	2000 J	9.4	1800	150	3.5	14	22	6.2	7600 J
RAHARB05	0.77	6600	11	1900	120 U	4.8	51 J	24	6.2 U	18000
RAHARB06	0.6	2700	8.3	920	110 U	3.2	7.6 J	17	5.3 U	650
RAHARB07	0.59	2600	5.3	1800	120 U	1.8 U	15 J	20	3.5 U	2000
RAHARB08	1.2	6200	8.8	5300	230	5.4 U	24 J	35	11 U	2600
RAHARB09	0.56 U	3800	7.3	1400	110 U	1.6	17 J	22	2.3 U	1300
RAHARO1S1	1.3	6300	21	1300	110 U	2.8 U	16 J	23	5.6 U	5800
RAHYFS1D1	0.74	3800	10	2000	120 U	1.5	1.2 UJ	22	1.2 U	2100
RAPKMI1D1	0.9	5700	14	2300	120 U	1.2 U	1.2 UJ	33	2.4 U	310
RARIFE1D1	1	4500	15	1800	120 U	1.6	2.4 J	26	2.4 U	480
RARIGS1S3	0.81	9100	13	2100	120 U	2.2	2.5 J	26	2.5 U	880
RASDGR1D1	0.55	3300 J	7.9	1100	100 U	0.69	1 U	18	1 U	110 J
RASHCO1S1	1.1	8900 J	17	2100	110 U	2.8 U	6.2	32	5.6 U	4800 J
RASHDA1D1	0.83	6800 J	14	1500	110 U	1.1	1.2	27	2.3 U	720 J
RASOBO1S1	0.68	3300	8.9	1600	110 U	0.87	3.4	16	1.1 U	410
RASOHE1D1	1.2	10000	19	1800	110 U	8.2	588	19	11 U	12000
RASOHE1S2	0.83	7900	14	1700	110 U	27	83	21	11 U	12000
RASOIR1D1	0.61 U	3500	11	1900	120 U	1.9	2.4	20	2.5 U	500
RASVFO2S2	0.77	5100	12	2200	190	3.2	8	22	4.1 U	2700

U - The analyte was not detected above the detection limit. the detection limit is reported.

J - The associated numerical value is an estimated quantity between the detection limit and the quantitation limit.

TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RAARCA1D1	10/18/2003	1434	57 U	170 U	750	210 U	12000	710 J	350 U	1300 U	1200	55000	1700	4000
RAARCA1S1	10/18/2003	1445	72 J	77 U	790	210 U	10000	770 J	350 U	1300 U	170 U	42000	700	2000 J
RAARCA1S2	10/18/2003	1441	57 U	77 U	750	210 U	7800	640 J	350 U	1300 U	200 J	34000	570	1900 J
RAARCR1D1	10/18/2003	1457	57 U	77 U	1300	210 U	12000	440 U	350 U	1300 U	170 U	19000	82 U	1200 J
RAARCR1D2	10/18/2003	1453	57 U	140 U	830	210 U	7600	440 U	350 U	1300 U	170 U	40000	1400	2500
RAARCR1S1	10/18/2003	1508	57 U	77 U	840	210 U	10000	440 U	360 J	1300 U	170 U	36000	760	1600 J
RAARCR1S2	10/18/2003	1505	57 U	77 U	730	210 U	8100	440 U	350 U	1300 U	170 U	36000	640	2100
RAARCR1S3	10/18/2003	1501	57 U	77 U	710	210 U	7200	620 J	350 U	1300 U	170 U	36000	670	2300
RAARHA1D1	10/18/2003	1211	71 J	79 U	610	210 U	10000	450 J	350 U	1300 U	170 U	28000	790	1300 J
RAARHA1D1	10/18/2003	1207	57 U	77 U	130 U	210 U	1600 U	440 U	350 U	1300 U	170 U	3400 U	82 U	600 U
RAARHA1S1	10/18/2003	1219	57 U	83 U	710	210 U	12000	670 J	350 U	1300 U	170 U	29000	830	1500 J
RAARHA1S2	10/18/2003	1215	72 J	77 U	610	210 U	7600	440 U	350 U	1300 U	170 U	23000	180 J	940 J
RAARJO1D1	10/18/2003	1223	57 U	77 U	730	210 U	28000	440 U	350 U	1300 U	170 U	29000	280	800 J
RAARJO1S1	10/18/2003	1231	78 J	77 U	590	210 U	7500	440 U	350 U	1300 U	170 U	27000	390	1300 J
RAARJO1S2	10/18/2003	1227	57 U	97 U	760	210 U	15000	440 U	350 U	1300 U	190 J	35000	970	1600 J
RAARRI1S1	10/18/2003	1449	57 U	77 U	740	210 U	18000	440 U	350 U	1300 U	170 U	24000	200 J	900 J
RAARSC1D1	10/18/2003	1354	58 J	77 U	660	210 U	10000	440 U	350 U	1300 U	170 U	28000	510	1600 J
RAARSC1S1	10/18/2003	1413	130 J	92 U	740	210 U	14000	440 U	350 U	1300 U	230 J	40000	920	2100
RAARSC1S1B	10/18/2003	1408	57 U	77 U	130 U	210 U	1600 U	440 J	350 U	1300 U	170 U	3400 U	82 U	600 U
RAARSC1S2	10/18/2003	1404	73 J	77 U	770	210 U	9200	820 J	350 U	1300 U	170 U	29000	510	1400 J
RAARSC1S2D	10/18/2003	1358	57 U	77 U	750	210 U	10000	440 U	350 U	1300 U	170 U	30000	560	1400 J
RAARTP1D1	10/18/2003	1323	57 U	150 U	730	210 U	5400	1200 J	350 U	1300 U	280 J	41000	1500	2400
RAARTP1S1	10/18/2003	1350	57 U	77 U	610	210 U	9000	440 U	350 U	1300 U	170 U	28000	570	1600 J
RAARTP1S2	10/18/2003	1346	57 U	82 U	700	210 U	8300	440 U	350 U	1300 U	170 U	30000	820	1500 J
RAARTP1S3	10/18/2003	1342	57 U	77 U	1400	210 U	21000	440 U	350 U	1300 U	170 U	19000	82 U	800 J
RAARTP1S4	10/18/2003	1327	57 U	77 U	1200	210 U	17000	440 U	350 U	1300 U	170 U	15000	82 U	720 J
RAARWI1D1	10/18/2003	1146	57 U	280 U	530	210 U	6700	440 U	350 U	1300 U	170 U	28000	2700	1400 J
RAARWI1S1	10/18/2003	1203	70 J	120 U	810	210 U	11000	460 J	350 U	1300 U	170 U	35000	1200	1500 J
RAARWI1S2	10/18/2003	1159	57 U	410 U	660	210 U	6200	830 J	350 U	1300 U	220 J	31000	4100	640 J
RAARWI1S2D	10/18/2003	1151	57 U	490 U	630	210 U	6200	440 U	350 U	1300 U	170 U	33000	4900	1300 J
RACASC1D1	10/18/2003	1252	57 U	77 U	660	210 U	11000	440 U	350 U	1300 U	170 U	29000	370	1100 J
RACASC1S1	10/18/2003	1315	57 U	77 U	750	210 U	11000	440 U	350 U	1300 U	170 U	32000	770	1100 J
RACASC1S2	10/18/2003	1256	57 U	77 U	670	210 U	10000	440 U	350 U	1300 U	170 U	28000	610	1600 J
RACASC3D1	10/18/2003	1237	62 J	77 U	560	210 U	7200	440 U	350 U	1300 U	170 U	31000	490	2200
RACASC3S1	10/18/2003	1249	75 J	77 U	680	210 U	9700	440 U	350 U	1300 U	170 U	26000	710	1000 J

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TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RACASC3S2	10/18/2003	1244	57 U	77 U	640	210 U	8600	440 U	350 U	1300 U	170 U	30000	490	1500 J
RACASC3S3	10/18/2003	1240	57 U	77 U	730	210 U	26000	750 J	350 U	1300 U	170 U	24000	82 U	810 J
RACOAD1D1	10/22/2003	1104	54 U	100 U	740	150 U	8800	940 U	470 U	870 U	110 U	45000	1000	1500 J
RACOAD1S1	10/22/2003	1052	54 U	79 U	570	150 U	11000	940 U	470 U	870 U	110 U	28000	790	1200 J
RACOAD1S2	10/22/2003	1058	61 J	100 U	700	150 U	9400	940 U	470 U	870 U	110 U	32000	1000	1500 J
RACOCA1D1	10/22/2003	1007	54 U	61 U	620	150 U	8900	940 U	470 U	870 U	110 U	31000	550	1200 J
RACOCA1S1	10/21/2003	1647	43 J	74 U	690	190 U	11000	580 U	340 U	610 J	90 U	34000	740	880 J
RACOCA1S2	10/21/2003	1731	31 J	58 U	580	190 U	8400	580 U	340 U	460 J	90 U	29000	580	1700 J
RACOCA2D1	10/22/2003	1030	58 J	150 U	700	150 U	10000	940 U	470 U	870 U	130 J	29000	1500	790 J
RACOCA2S1	10/22/2003	1013	62 J	61 U	710	150 U	13000	940 U	470 U	870 U	110 U	32000	550	1600 J
RACOCA2S2	10/22/2003	1019	54 U	85 U	690	150 U	11000	940 U	470 U	870 U	110 U	31000	850	1400 J
RACOCI1D1	10/22/2003	1210	54 U	61 U	780	150 U	13000	940 U	470 U	870 U	110 U	35000	450	2600
RACOCI1S1	10/22/2003	1158	54 U	85 U	1300	150 U	12000	940 U	470 U	870 U	110 U	38000	850	2700
RACOCI1S2	10/22/2003	1204	59 J	89 J	490	150 U	14000	940 U	470 U	870 U	110 U	42000	790	1300 J
RACOCL1D1	10/21/2003	1602	71 J	53 J	560 J	190 U	12000	580 U	340 U	320 U	90 U	30000	500	1600 J
RACOCL1S1	10/21/2003	1523	44 J	33 U	780	190 U	14000	580 U	340 U	320 U	90 U	35000	330	1800 J
RACOCL1S2	10/21/2003	1528	37 J	20 U	710	190 U	10000	580 U	340 U	320 U	90 U	19000	130	680 J
RACOJN1D1	10/21/2003	1448	29 U	21 J	600	190 U	9400	580 U	340 U	470 J	90 U	28000	180	1500 J
RACOJN1D1B	10/21/2003	1455	29 J	20 U	170 U	190 U	1200 U	580 U	340 U	320 U	90 U	2000 U	38 U	650 U
RACOJN1S1	10/21/2003	1420	29 U	32 J	540 J	190 U	15000	580 U	340 U	370 J	90 U	24000	210	1200 J
RACOJN1S2	10/21/2003	1426	57 J	58 J	780	190 U	8800	640 J	340 U	320 U	90 U	31000	520	2100 J
RACOJN1S3	10/21/2003	1437	31 J	44 J	940	190 U	27000	580 U	340 U	320 U	90 U	29000	340	2100 J
RACOSH1D1	10/21/2003	1737	47 J	51 U	750	190 U	9200	580 U	340 U	490 J	90 U	27000	510	1900 J
RACOSH1D1D	10/21/2003	1743	29 U	53 U	730	190 U	9200	580 U	340 U	660 J	90 U	27000	530	1600 J
RACOSH1S1	10/22/2003	1035	54 U	61 U	700	150 U	7200 J	940 U	470 U	870 U	110 U	30000	560	1500 J
RACOSH1S2	10/22/2003	1041	54 U	61 U	680	150 U	7900 J	940 U	470 U	870 U	110 U	27000	490	1300 J
RACOSH1S2B	10/22/2003	1046	54 U	61 U	110 U	150 U	2600 U	940 U	470 U	870 U	110 U	1900 U	43 U	560 U
RACOWH1D1	10/21/2003	1552	43 J	51 J	740	190 U	6500	580 U	340 U	470 J	90 U	31000	240	2400
RACOWH1S1	10/21/2003	1540	29 U	35 U	830	190 U	16000	580 U	340 U	370 J	90 U	29000	360	1500 J
RACOWH1S2	10/21/2003	1545	29 U	82 U	820	190 U	17000	580 U	340 U	320 U	90 U	38000	820	2100 J
RAEDSF1D1	10/21/2003	1334	48 J	73 U	870	190 U	8500	580 U	340 U	1200	160 J	69000	730	1700 J
RAEDSF1S1	10/21/2003	1345	91 J	110	750	190 U	14000	580 U	340 U	590 J	90 U	48000	120 J	1800 J
RAEDSF1S2	10/21/2003	1351	81 J	30 U	820	190 U	13000	580 U	340 U	620 J	90 U	43000	300	2100 J
RAGACA1D1	10/21/2003	1630	64 J	96 U	750	190 U	18000	580 U	340 U	420 J	170 J	37000	960	1300 J
RAGACA1D2	10/22/2003	905	68 J	61 U	300 J	150 U	51000	940 U	470 U	870 U	340 J	16000	43 U	560 U

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TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RAGACA1D2	10/22/2003	855	54 U	61 U	110 U	150 U	2600 U	940 U	470 U	870 U	110 U	1900 U	43 U	560 U
RAGACA1S1	10/21/2003	1749	31 J	220 U	640	190 U	19000	580 U	340 U	810 J	260 J	53000	2200	2300
RAGACA1S2	10/21/2003	1709	41 J	52 J	420 J	190 U	22000	580 U	340 U	540 J	380	25000	390	1000 J
RAGACN1D1	10/22/2003	1413	57 J	100 U	630	150 U	15000	940 U	470 U	870 U	210 J	31000	1000	1600 J
RAGACN1S1	10/22/2003	1402	54 U	130 U	590	150 U	13000	940 U	470 U	870 U	170 J	36000	1300	1600 J
RAGACN1S2	10/22/2003	1407	54 U	130 U	640	150 U	12000	940 U	470 U	870 U	210 J	34000	1300	1700 J
RAGADO1D1	10/22/2003	1311	54 U	260 U	650	150 U	9200	940 U	470 U	870 U	150 J	51000	2600	2400
RAGADO1S1	10/22/2003	1259	54 U	120 U	610	150 U	13000	940 U	470 U	870 U	110 U	34000	1200	1600 J
RAGADO1S2	10/22/2003	1305	54 U	230 U	640	150 U	9100	940 U	470 U	870 U	240 J	46000	2300	2200
RAGAEN1D1	10/22/2003	1356	54 U	150 U	610	150 U	13000	940 U	470 U	870 U	110 U	34000	1400	910 J
RAGAEN1S1	10/22/2003	1345	54 U	85 U	800	150 U	12000	940 U	470 U	870 U	150 J	30000	850	1000 J
RAGAEN1S2	10/22/2003	1350	54 U	190 U	680	150 U	12000	940 U	470 U	870 U	190 J	42000	1900	2300
RAGAGA1D1	10/18/2003	1011	59 J	77 U	610	210 U	10000	440 U	350 U	1300 U	170 U	31000	530	1500 J
RAGAGA1S1	10/18/2003	1019	57 U	77 U	520	210 U	21000	530 J	350 U	1300 U	170 U	30000	630	1700 J
RAGAGA1S2	10/18/2003	1014	57 U	77 U	700	210 U	7900	440 U	350 U	1300 U	170 U	24000	300	680 J
RAGAHO1D1	10/22/2003	1237	54 U	61 U	520	150 U	8700	940 U	470 U	870 U	110 U	30000	500	1700 J
RAGAHO1D1	10/22/2003	1243	54 U	61 U	610	150 U	9600	940 U	470 U	870 U	110 U	32000	600	1600 J
RAGAHO1S1	10/22/2003	1215	54 U	61 U	570	150 U	5800 J	940 U	470 U	870 U	110 U	19000	170	560 U
RAGAHO1S2	10/22/2003	1220	78 J	61 U	570	150 U	6900 J	940 U	470 U	870 U	110 U	21000	230	560 U
RAGAHO1S3	10/22/2003	1226	54 U	150 U	540	150 U	18000	940 U	470 U	870 U	110 U	28000	1500	1200 J
RAGAHO1S3B	0/22/2003	1232	54 U	61 U	110 U	150 U	2600 U	940 U	470 U	870 U	110 U	1900 U	43 U	560 U
RAGAKZ1D1	10/22/2003	1339	54 U	69 J	600	150 U	6100 J	940 U	470 U	870 U	110 U	27000	520	870 J
RAGAKZ1S1	10/22/2003	1317	54 U	67 U	630	150 U	9700	940 U	470 U	870 U	110 U	27000	670	1100 J
RAGAKZ1S2	10/22/2003	1322	54 U	110 U	600	150 U	9100	940 U	470 U	870 U	110 J	32000	1100	1600 J
RAGAKZ1S3	10/22/2003	1334	54 U	70 U	670	150 U	10000	940 U	470 U	870 U	110 U	26000	700	1300 J
RAGLLA1D1	10/22/2003	1147	54 U	61 U	660	150 U	8900	940 U	470 U	870 U	110 U	31000	240	1300 J
RAGLLA1S1	10/22/2003	1125	54 U	310 U	730	150 U	25000	940 U	470 U	870 U	110 U	42000	3100	3300
RAGLLA1S2	10/22/2003	1131	54 U	110 U	860	150 U	12000	940 U	470 U	870 U	110 U	39000	1100	1500 J
RAGLLA1S3	10/22/2003	1137	54 U	61 U	620	150 U	17000	940 U	470 U	870 U	110 U	19000	110 J	660 J
RAGLLA1S4	10/22/2003	1142	54 U	76 U	610	150 U	9300	940 U	470 U	870 U	110 U	25000	760	1600 J
RAHALI1D1	10/18/2003	1046	57 U	77 U	520	210 U	9100	440 U	350 U	1300 U	170 U	11000 J	82 U	710 J
RAHALI1S1	10/18/2003	1055	57 U	77 U	590	210 U	9800	440 U	350 U	1300 U	170 U	18000	230 J	930 J
RAHALI1S2	10/18/2003	1050	57 U	77 U	700	210 U	8000	440 U	350 U	1300 U	170 U	28000	620	1300 J
RAHARB01	10/21/2003	1057	45 J	460 U	340 J	190 U	62000	810 J	340 U	440 J	380	61000	4600	5200
RAHARB02	10/21/2003	1205	38 J	160 U	830	190 U	4300	680 J	340 U	1400	90 U	64000	1600	650 U

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TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RAHARB03	10/21/2003	1103	340	6500 U	600	190 U	13000	2600	340 U	770 J	1700	51000	65000	1700 J
RAHARB04	10/21/2003	1210	59 J	430 U	840	190 U	6500	580 U	340 U	750 J	440	67000	4300	2300
RAHARB05	10/21/2003	1237	64 J	850 U	660	190 U	7100	580 U	340 U	730 J	550	55000	8500	1500 J
RAHARB06	10/21/2003	1109	36 J	240 U	750	190 U	5100	970 J	340 U	1100 J	180 J	83000	2400	920 J
RAHARB07	10/21/2003	1126	29 U	160 U	680	190 U	4400	580 U	340 U	360 J	90 U	41000	1600	650 U
RAHARB08	10/21/2003	1114	52 J	310 U	560 J	190 U	28000	580 U	340 U	750 J	470	102224	3100	1400 J
RAHARB09	10/21/2003	1132	55 J	290 U	610	190 U	4400	580 U	340 U	320 U	90 U	35000	2900	650 U
RAHARE1D1	10/18/2003	1115	57 U	360 U	600	210 U	6100	470 J	350 U	1300 U	210 J	33000	3600	1000 J
RAHARE1S1	10/18/2003	1125	57 U	240 U	650	210 U	12000	440 U	350 U	1300 U	170 U	35000	2400	1900 J
RAHARE1S3	10/18/2003	1119	57 U	77 U	610	210 U	3000 J	440 U	350 U	1300 U	170 U	9600 J	82 U	810 J
RAHARO1D1	10/18/2003	1103	65 J	290 U	580	210 U	17000	700 J	350 U	1300 U	410 J	41000	2900	2300
RAHARO1S1	10/18/2003	1111	97 J	500 U	780	210 U	10000	1300 J	350 U	1300 U	410 J	51000	5000	2000
RAHARO1S2	10/18/2003	1107	57 U	240 U	660	210 U	11000	550 J	350 U	1300 U	320 J	40000	2400	2000 J
RAHICN1D1	10/22/2003	1429	54 U	87 U	600	150 U	6300 J	940 U	470 U	870 U	110 U	33000	870	2000
RAHICN1S1	10/22/2003	1419	54 U	130 U	670	150 U	17000	940 U	470 U	870 U	140 J	37000	1300	1700 J
RAHICN1S2	10/22/2003	1424	54 U	150 U	620	150 U	11000	940 U	470 U	870 U	110 U	39000	1500	2700
RAHYFS1D1	10/21/2003	1120	41 J	27 J	580	190 U	8400	580 U	340 U	320 U	90 U	25000	43 J	650 U
RAHYFS1S1	10/21/2003	1045	39 J	36 J	600	190 U	10000	580 U	340 U	320 U	90 U	26000	85 J	930 J
RAHYFS1S2	10/21/2003	1051	65 J	25 J	630	190 U	9000	580 U	340 U	320 U	90 U	27000	47 J	650 U
RAKICA1D1	10/18/2003	1416	57 U	77 U	1100	210 U	8800	440 U	350 U	1300 U	170 U	36000	220 J	5600
RAKICA1S1	10/18/2003	1429	57 U	77 U	710	210 U	8600	530 J	350 U	1300 U	170 U	27000	300	2200
RAKICA1S2	10/18/2003	1420	57 U	77 U	800	210 U	9800	440 U	350 U	1300 U	170 U	37000	450	3300
RAMAHE1D1	10/21/2003	1641	33 J	52 U	640	190 U	5800	580 U	340 U	620 J	90 U	33000	520	1500 J
RAMAHE1S1	10/22/2003	1001	54 U	71 U	780	150 U	9100	940 U	470 U	870 U	110 U	33000	710	810 J
RAMAHE1S2	10/21/2003	1726	30 J	110 U	530 J	190 U	9500	580 U	340 U	520 J	90 U	37000	1000	990 J
RAMIWL1D1	10/21/2003	1704	41 J	24 U	550 J	190 U	7500	580 U	340 U	320 J	90 U	22000	240	1200 J
RAMIWL1S1	10/21/2003	1625	42 J	20 U	590	190 U	8300	580 U	340 U	320 U	90 U	18000	38 U	660 J
RAMIWL1S2	10/21/2003	1658	42 J	46 U	480 J	190 U	8600	580 U	340 U	370 J	90 U	24000	460	1000 J
RAPIME1D1	10/21/2003	1409	30 J	20 U	620	190 U	8300	580 U	340 U	320 U	90 U	25000	89 J	1500 J
RAPIME1S1	10/21/2003	1358	29 U	26 J	590	190 U	8800	580 U	340 U	380 J	90 U	25000	63 J	1200 J
RAPIME1S2	10/21/2003	1404	72 J	20 U	620	190 U	10000	580 U	340 U	530 J	90 U	22000	150	770 J
RAPKMI1D1	10/21/2003	1443	49 J	33 J	940	190 U	12000	630 J	340 U	380 J	90 U	47000	38 U	1800 J
RAPKMI1S1	10/21/2003	1414	65 J	71	760	190 U	13000	580 U	340 U	320 U	90 U	50000	170	2800
RAPKMI1S2	10/21/2003	1305	76 J	99	910	190 U	12000	580 U	340 U	350 J	180 J	50000	600	1600 J
RAPKWT1D1	10/21/2003	1259	29 U	33 J	840	190 U	12000	580 U	340 U	320 U	90 U	46000	160	2000 J

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TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RAPKWT1S1	10/21/2003	1249	37 J	59 J	780	190 U	13000	580 U	340 U	480 J	90 U	51000	160	1900 J
RAPKWT1S2	10/21/2003	1254	29 U	77	770	190 U	13000	580 U	340 U	830 J	90 U	50000	400	2200
RARIFE1D1	10/18/2003	1026	57 U	77 U	590	210 U	7600	460 J	350 U	1300 U	170 U	24000	200 J	1100 J
RARIFE1D1D	10/18/2003	1022	57 U	77 U	610	210 U	6500	580 J	350 U	1300 U	170 U	27000	250 J	810 J
RARIFE1S1	10/18/2003	1042	57 U	77 U	680	210 U	10000	440 U	350 U	1300 U	170 U	26000	330	1000 J
RARIFE1S2	10/18/2003	1038	71 J	77 U	640	210 U	7700	440 U	350 U	1300 U	170 U	26000	260 J	1000 J
RARIFE1S3	10/18/2003	1034	57 U	77 U	610	210 U	8100	440 U	350 U	1300 U	170 U	27000	340	1000 J
RARIFE1S3B	10/18/2003	1030	57 U	77 U	130 U	210 U	1600 U	440 U	350 U	1300 U	170 U	3400 U	82 U	600 U
RARIGS1D1	10/21/2003	1557	29 U	61 U	550 J	190 U	4600	580 U	340 U	320 U	90 U	25000	610	950 J
RARIGS1S1	10/21/2003	1501	53 J	130 U	660	190 U	14000	580 U	340 U	1100	90 U	81000	1300	2100 J
RARIGS1S1D	10/21/2003	1506	55 J	120 U	690	190 U	11000	580 U	370 J	1000 J	90 U	79000	1200	2500
RARIGS1S2	10/21/2003	1511	38 J	130 U	650	190 U	9000	580 U	340 U	550 J	90 U	31000	1300	1600 J
RARIGS1S3	10/21/2003	1517	83 J	84 U	630	190 U	12000	780 J	340 U	370 J	90 U	27000	850	910 J
RARILE1D1	10/18/2003	1130	57 U	82 U	630	210 U	9300	570 J	350 U	1300 U	170 U	31000	820	2200
RARILE1S1	10/18/2003	1142	57 U	100 U	750	210 U	12000	520 J	350 U	1300 U	170 U	30000	1000	1200 J
RARILE1S2	10/18/2003	1138	57 U	77 U	830	210 U	12000	440 U	350 U	1300 U	170 U	30000	570	1300 J
RARILE1S3	10/18/2003	1134	62 J	77 U	420 J	210 U	20000	440 J	350 U	1300 U	170 U	16000	150 J	600 U
RASDGR1D1	10/21/2003	1228	29 U	20 U	740	190 U	9200	580 U	340 U	320 U	90 U	14000	38 U	650 U
RASDGR1S1	10/21/2003	1138	29 U	20 U	570 J	190 U	9300	580 U	340 U	320 U	90 U	24000	38 U	650 U
RASDGR1S1B	10/21/2003	1143	29 U	20 U	170 U	190 U	1200 U	580 U	340 U	320 U	90 U	2000 U	38 U	650 U
RASDGR1S2	10/21/2003	1216	55 J	22 J	710	190 U	9500	580 U	340 U	500 J	90 U	27000	44 J	870 J
RASDGR1S2D	10/21/2003	1222	50 J	20 U	610	190 U	9500	580 U	340 U	350 J	90 U	25000	38 U	940 J
RASDGR1S3	10/21/2003	1243	31 J	20 U	680	190 U	11000	580 U	340 U	320 U	90 U	28000	38 U	1000 J
RASDGR1S4	10/21/2003	1340	40 J	21 J	690	190 U	7200	580 U	340 U	320 U	90 U	32000	38 U	1100 J
RASHBE1D1	10/22/2003	1120	54 U	61 U	670	150 U	6400 J	940 U	470 U	870 U	110 U	25000	450	1200 J
RASHBE1S1	10/22/2003	1109	54 U	130 U	750	150 U	9300	940 U	470 U	870 U	110 U	42000	1300	2300
RASHBE1S2	10/22/2003	1114	62 J	140 U	610	150 U	15000	940 U	470 U	870 U	110 J	38000	1400	1400 J
RASHCO1D1	10/22/2003	1619	68 J	120 U	600	150 U	9800	940 U	470 U	870 U	120 J	39000	1200	1700 J
RASHCO1S1	10/22/2003	1608	54 U	220 U	620	150 U	13000	940 U	470 U	870 U	120 J	42000	2200	2100
RASHCO1S2	10/22/2003	1613	54 U	200 U	600	150 U	11000	940 U	470 U	950 J	110 U	35000	2000	2500
RASHDA1D1	10/22/2003	1602	54 U	61 U	660	150 U	6500 J	940 U	470 U	870 U	110 U	35000	460	1500 J
RASHDA1S1	10/22/2003	1551	54 U	110 U	680	150 U	6200 J	940 U	470 U	870 U	140 J	49000	1100	1400 J
RASHDA1S2	10/22/2003	1556	61 J	170 U	620	150 U	16000	940 U	470 U	870 U	110 U	37000	1700	2400
RASICU1D1	10/18/2003	1557	57 U	77 U	570	210 U	7300	700 J	350 U	1300 U	170 U	25000	82 U	1700 J
RASICU1S1	10/18/2003	1549	69 J	77 U	580	210 U	12000	440 U	350 U	1300 U	170 U	31000	330	920 J

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TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RASICU1S2	10/18/2003	1553	57 U	77 U	510	210 U	11000	440 U	350 U	1300 U	170 U	27000	82 U	600 U
RASIKI1D1	10/18/2003	1513	66 J	77 U	700	210 U	13000	440 U	350 U	1300 U	170 U	29000	82 U	1000 J
RASIKI1S1	10/18/2003	1521	57 U	77 U	620	210 U	11000	860 J	350 U	1300 U	170 U	35000	210 J	1000 J
RASIKI1S2	10/18/2003	1517	57 U	77 U	670	210 U	13000	440 U	350 U	1300 U	170 U	36000	170 J	1500 J
RASIST1D1	10/18/2003	1529	57 U	77 U	600	210 U	11000	570 J	350 U	1300 U	170 U	30000	86 J	1900 J
RASIST1S1	10/18/2003	1546	70 J	77 U	580	210 U	8500	440 U	350 U	1300 U	170 U	28000	260 J	1900 J
RASIST1S1D	10/18/2003	1541	57 U	77 U	570	210 U	9800	870 J	350 U	1300 U	170 U	31000	250 J	840 J
RASIST2S1	10/18/2003	1534	57 U	77 U	690	210 U	11000	680 J	350 U	1300 U	170 U	29000	230 J	2900
RASIST3S1	10/18/2003	1525	57 U	77 U	860	210 U	17000	440 U	350 U	1300 U	170 U	28000	82 U	1300 J
RASOBO1D1	10/22/2003	1657	54 U	180 U	640	150 U	9700	940 U	470 U	870 U	110 U	35000	1800	2300
RASOBO1S1	10/22/2003	1646	54 U	61 U	760	150 U	13000	940 U	470 U	870 U	110 U	21000	550	1300 J
RASOBO1S2	10/22/2003	1652	54 U	130 U	530	150 U	8100 J	940 U	470 U	870 U	110 U	33000	1200	2100
RASOHE1D1	10/22/2003	1740	54 U	920 U	810	150 U	50000	1100 J	470 U	870 U	270 J	37000	9200	3300
RASOHE1S1	10/22/2003	1702	54 U	61 U	670	150 U	8100 J	940 U	470 U	870 U	110 U	20000	300	730 J
RASOHE1S2	10/22/2003	1708	99 J	1800 U	800	150 U	9000	940 U	470 U	870 U	220 J	45000	18000	2800
RASOHE1S2B	10/22/2003	1714	54 U	61 U	110 U	150 U	2600 U	940 U	470 U	870 U	110 U	1900 U	43 J	560 U
RASOHE1S3	10/22/2003	1719	62 J	230 U	1100	150 U	24000	940 U	470 U	870 U	130 J	36000	2300	3100
RASOHE1S3D	10/22/2003	1725	54 U	220 U	1000	150 U	24000	940 U	470 U	870 U	210 J	38000	2100	4300
RASOIR1D1	10/22/2003	1635	54 U	73 J	540	150 U	5100 J	940 U	470 U	870 U	110 U	30000	520	830 J
RASOIR1S1	10/22/2003	1625	54 U	68 U	610	150 U	8200 J	940 U	470 U	870 U	110 U	26000	680	1100 J
RASOIR1S2	10/22/2003	1630	54 J	89 J	630	150 U	7500 J	940 U	470 U	870 U	110 U	26000	670	1600 J
RASVCN1D1	10/22/2003	1455	54 U	180 U	700	150 U	12000	940 U	470 U	870 U	220 J	39000	1800	2100
RASVCN1D1B	10/22/2003	1501	54 U	61 U	110 U	150 U	2600 U	940 U	470 U	870 U	110 U	1900 U	43 U	560 U
RASVCN1S1	10/22/2003	1435	54 U	270 U	630	150 U	15000	940 U	470 U	870 U	180 J	41000	2700	1800 J
RASVCN1S2	10/22/2003	1446	54 U	230 U	580	150 U	14000	940 U	470 U	870 U	240 J	35000	2300	1800 J
RASVCN2D1	10/22/2003	1523	56 J	270 U	630	150 U	10000	940 U	470 U	870 U	180 J	36000	2700	1900
RASVCN2S1	10/22/2003	1506	54 U	190 U	740	150 U	85000	940 U	470 U	870 U	300 J	39000	1900	1200 J
RASVCN2S1D	10/22/2003	1512	54 U	190 U	690	150 U	77000	940 U	470 U	870 U	160 J	38000	1900	1900
RASVCN2S2	10/22/2003	1517	55 J	240 U	710	150 U	9300	940 U	470 U	870 U	110 U	33000	2400	2200
RASVFO1D1	10/21/2003	1635	51 J	28 J	620	190 U	7700	580 U	340 U	320 U	90 U	26000	150	650 U
RASVFO1S1	10/21/2003	1714	29 U	82 U	770	190 U	18000	580 U	340 U	320 U	100 J	33000	820	1400 J
RASVFO1S1D	10/21/2003	1720	47 J	79 U	820	190 U	16000	580 U	340 U	320 U	110 J	35000	790	1400 J
RASVFO1S2	10/21/2003	1807	78 J	36 U	590	190 U	11000	580 U	340 U	320 U	90 U	29000	360	990 J
RASVFO2D1	10/22/2003	938	91 J	120 U	540	150 U	35000	940 U	470 U	870 U	110 U	25000	1200	1500 J
RASVFO2S1	10/22/2003	927	54 U	140 U	670	150 U	23000	940 U	470 U	870 U	110 U	33000	1400	2400

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TABLE 1A

Rico Argentine

SPECTRACE 9000 XRF DATA (PPM)

ID	DATE	TIME	Sb	As	Ba	Cd	Ca	CrHI	CrLO	Co	Cu	Fe	Pb	Mn
RASVFO2S2	10/22/2003	933	100 J	150 U	800	150 U	9900	940 U	470 U	870 U	110 J	60000	1500	1700 J
RASVFO3D1	10/22/2003	955	54 U	61 U	580	150 U	21000	940 U	470 U	870 U	110 U	26000	460	1200 J
RASVFO3S1	10/22/2003	944	68 J	87 U	600	150 U	22000	940 U	470 U	870 U	110 U	29000	870	1300 J
RASVFO3S2	10/22/2003	950	54 U	72 U	540	150 U	19000	940 U	470 U	870 U	110 U	32000	720	1100 J
RASVKR1D1	10/21/2003	1619	51 J	37 J	930	190 U	15000	600 J	340 U	320 U	190 J	31000	84 J	5700
RASVKR1S1	10/21/2003	1608	37 J	29 U	810	190 U	16000	700 J	340 U	320 U	90 U	41000	290	6600
RASVKR1S2	10/21/2003	1613	29 U	20 U	750	190 U	9700	650 J	340 U	370 J	90 U	30000	78 J	5900
RAYEMU1D1	10/22/2003	1540	54 U	150 U	660	150 U	7500 J	940 U	470 U	870 U	110 U	37000	1500	1600 J
RAYEMU1S1	10/22/2003	1529	54 U	160 U	670	150 U	14000	940 U	470 U	870 U	110 U	43000	1500	1700 J
RAYEMU1S2	10/22/2003	1534	54 U	140 U	620	150 U	13000	940 U	470 U	870 U	110 U	37000	1400	1200 J

U - The analyte was not detected above the detection limit. The detection limit is reported.

J - The associated numerical value is an estimated quantity between the detection limit and the quantitation limit.