

APPENDIX III



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Paul D. Gray Geological Consultants
 1-1081 West 8th Avenue
 Vancouver BC V6H 1C3 Canada

Submitted By: Paul D. Gray
 Receiving Lab: Peru-Lima
 Received: June 09, 2010
 Report Date: July 16, 2010
 Page: 1 of 3

CERTIFICATE OF ANALYSIS

LIM10000254.2

CLIENT JOB INFORMATION

Project: Tesoro
 Shipment ID:
 P.O. Number
 Number of Samples: 40

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
 DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

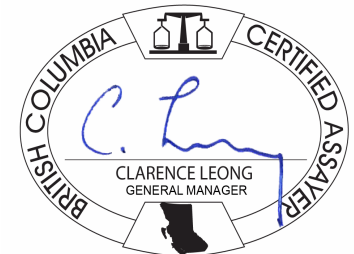
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	40	Crush, split and pulverize 250 g rock to 200 mesh		Completed	LIM
MIXP	40	Mix pulps on arrival			VAN
3B01+3B04	40	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1EX	40	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
DIS-PLP	40	Warehouse handling / disposition of pulps			VAN
DIS-RJT	40	Warehouse handling / Disposition of reject			LIM
G6	19	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
7AR	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN
7KP1	2	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2: G601-G612, 7AR1 Cu & 7KP1 W included

Invoice To: Paul D. Gray Geological Consultants
 1-1081 West 8th Avenue
 Vancouver BC V6H 1C3
 Canada

CC:



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CERTIFICATE OF ANALYSIS

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Method	WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	
314804	Rock	1.83	>5000	25.8	396.8	5.0	12	1.5	6.3	23.1	200	8.58	51	1.3	12.0	0.3	49	0.3	2.4	136.2	282
314805	Rock	2.28	2222	21.3	475.8	4.6	16	1.2	13.5	95.0	428	6.68	33	1.5	1.3	0.3	106	<0.1	3.0	20.4	231
314806	Rock	1.80	3534	54.4	372.0	2.5	16	0.7	1.5	2.8	178	3.27	27	0.6	4.6	0.9	52	0.1	0.6	11.2	98
314807	Rock	1.69	>5000	16.7	1772	6.3	46	1.1	36.6	23.5	570	4.33	24	1.4	9.0	2.5	88	0.1	1.0	3.0	159
314808	Rock	1.98	691	1.9	756.9	3.2	19	0.3	3.7	5.6	181	1.55	4	1.0	1.1	3.2	75	<0.1	0.8	0.3	50
314809	Rock	0.21	>5000	54.3	2400	14.9	20	2.5	13.7	28.1	428	9.53	40	6.7	23.1	5.5	190	0.1	0.7	4.1	132
314810	Rock	1.38	>5000	14.7	454.6	7.9	17	12.9	7.5	2.8	101	5.09	17	1.3	103.0	3.9	39	<0.1	0.3	44.4	43
314811	Rock	2.51	>5000	16.5	1884	71.9	192	2.8	5.6	17.0	275	6.39	41	4.3	24.9	2.0	58	0.3	0.3	11.1	106
314812	Rock	2.03	>5000	61.0	2251	10.6	43	13.1	5.1	57.9	305	11.43	159	5.9	>200	1.7	27	0.1	3.7	55.9	83
314813	Rock	1.62	>5000	4.4	2759	34.7	32	2.9	5.7	17.8	979	5.53	39	2.3	62.9	4.1	171	1.3	5.0	21.0	266
314814	Rock	2.29	>5000	73.6	>10000	10.4	62	17.8	5.6	47.9	912	11.36	14	2.8	111.4	1.5	136	0.3	0.7	27.0	161
314815	Rock	1.83	>5000	14.1	975.1	11.3	30	1.9	7.0	15.3	332	4.49	24	2.2	11.1	3.4	123	0.3	0.7	3.5	120
314816	Rock	1.43	3648	8.0	521.9	12.9	30	0.6	3.4	5.9	272	1.66	5	1.6	4.8	3.6	136	0.1	0.6	2.3	48
314817	Rock	1.13	>5000	16.3	1206	9.6	37	3.8	2.4	4.0	93	5.96	33	1.7	182.5	3.9	42	0.2	1.2	33.7	119
314818	Rock	1.38	>5000	15.0	690.9	49.8	108	3.2	4.8	14.3	267	5.01	28	1.7	17.3	2.3	122	0.3	0.3	7.8	103
314819	Rock	3.96	>5000	22.2	1947	25.5	32	4.6	5.1	8.9	225	3.50	17	2.4	59.8	2.5	106	0.1	1.0	28.0	88
314820	Rock	3.58	2639	7.2	293.8	12.2	27	1.2	3.5	7.6	434	2.20	7	1.9	4.1	5.5	105	0.2	0.2	0.4	63
314821	Rock	2.39	1795	22.1	330.4	4.9	10	0.4	3.3	4.7	304	3.41	27	0.5	2.5	0.3	47	0.3	1.6	25.5	140
314822	Rock	3.36	87	2.2	38.4	6.2	11	0.2	7.1	3.8	150	1.03	3	0.1	0.2	0.3	34	<0.1	0.4	0.5	36
314823	Rock	1.64	145	0.3	92.9	10.3	68	<0.1	108.6	25.3	1067	4.52	8	0.5	0.2	1.6	106	<0.1	1.9	0.5	159
314824	Rock	1.77	>5000	14.5	230.4	14.7	16	11.7	1.5	0.8	93	5.02	68	1.0	164.3	0.8	23	0.5	1.1	240.0	260
314825	Rock	1.63	>5000	24.5	405.5	9.3	23	24.5	3.2	1.5	112	9.14	97	1.0	>200	0.9	32	0.6	2.1	247.4	452
314826	Rock	1.47	106	8.7	72.5	4.7	17	0.2	29.0	9.4	446	1.78	5	0.2	0.1	0.3	44	<0.1	1.4	0.7	48
314827	Rock	1.10	92	3.6	149.4	6.2	41	<0.1	78.3	30.3	1030	3.34	10	0.5	0.3	1.4	110	0.2	0.9	1.4	137
314828	Rock	1.42	235	4.7	653.8	6.0	60	<0.1	104.9	26.9	1005	4.21	23	0.7	0.2	2.8	162	0.6	1.9	2.8	194
314829	Rock	1.86	216	14.3	201.0	6.7	21	0.2	19.1	8.9	290	1.92	9	0.4	0.2	1.6	63	<0.1	0.6	0.8	75
314830	Rock	1.83	493	7.8	895.0	8.3	49	0.1	21.5	22.8	809	4.27	28	1.3	0.6	6.0	251	<0.1	2.2	9.3	257
314831	Rock	2.01	152	52.6	652.3	6.6	35	<0.1	45.6	15.3	399	2.77	20	0.4	<0.1	1.4	248	0.1	1.0	3.5	129
314832	Rock	2.65	161	0.3	116.5	5.4	26	<0.1	12.4	11.6	424	1.88	24	3.2	0.2	3.9	249	0.1	1.1	0.1	95
314833	Rock	3.35	410	1.1	82.4	9.7	81	0.2	15.0	20.3	956	4.42	17	1.7	0.3	6.0	216	0.1	2.1	3.0	220

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 Report Date: July 16, 2010

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CERTIFICATE OF ANALYSIS

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Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	
314804	Rock	0.62	0.069	2.6	29	0.37	30	0.052	1.12	0.054	0.18	24.2	2.5	<1	0.2	1.8	0.4	<0.1	<1	3	5.3
314805	Rock	1.52	0.021	3.6	55	0.36	65	0.062	1.82	0.104	0.25	25.3	3.0	6	0.3	3.1	0.6	<0.1	<1	5	4.9
314806	Rock	0.20	0.049	2.4	12	0.16	201	0.056	1.34	0.147	0.76	4.6	1.7	1	0.3	1.1	0.6	<0.1	<1	3	5.9
314807	Rock	1.86	0.024	8.1	99	1.33	159	0.122	2.49	0.447	0.55	3.0	3.2	8	0.8	7.0	1.8	0.1	<1	7	15.6
314808	Rock	0.39	0.008	4.0	32	0.19	257	0.042	1.39	0.303	0.78	1.2	3.0	5	0.3	1.3	0.8	<0.1	<1	2	3.4
314809	Rock	1.59	0.012	8.1	20	0.18	195	0.069	2.61	0.335	0.68	8.3	4.0	12	0.4	3.7	1.3	<0.1	<1	5	4.0
314810	Rock	0.10	0.004	1.1	30	0.12	190	0.020	1.05	0.105	0.61	2.4	2.1	<1	0.3	0.7	0.8	<0.1	<1	<1	3.2
314811	Rock	0.51	0.014	5.4	23	0.22	190	0.066	1.52	0.182	0.43	68.1	2.0	5	0.2	3.4	1.0	0.1	<1	4	4.1
314812	Rock	0.25	0.006	6.4	14	0.18	101	0.038	1.04	0.038	0.47	6.8	1.5	6	0.1	3.3	0.6	<0.1	<1	2	3.4
314813	Rock	16.16	0.023	10.1	7	0.66	429	0.119	6.57	0.239	1.88	9.3	3.7	13	0.3	9.4	1.4	<0.1	<1	8	15.7
314814	Rock	1.58	0.035	9.0	15	0.67	221	0.234	4.57	0.279	1.71	10.6	10.0	20	0.3	7.0	2.0	<0.1	<1	14	8.0
314815	Rock	0.93	0.022	8.1	31	0.47	326	0.112	2.76	0.507	1.19	16.0	5.5	7	0.3	2.6	1.4	<0.1	<1	4	8.7
314816	Rock	1.18	0.012	12.7	21	0.22	112	0.059	2.37	0.770	0.64	17.2	3.5	14	0.3	4.4	1.2	0.1	<1	3	4.2
314817	Rock	0.10	0.016	2.9	25	0.17	175	0.066	1.44	0.053	0.56	46.4	4.8	2	0.2	0.9	1.0	<0.1	<1	3	3.0
314818	Rock	0.60	0.016	5.4	21	0.15	286	0.047	1.60	0.281	0.74	11.3	1.0	7	0.1	1.2	0.7	<0.1	<1	2	3.2
314819	Rock	0.78	0.009	4.3	30	0.19	513	0.053	1.83	0.334	0.69	89.3	2.3	4	0.4	2.2	1.1	<0.1	<1	3	3.7
314820	Rock	1.43	0.018	6.9	21	0.33	479	0.096	3.47	0.732	1.55	13.9	3.9	10	0.3	2.8	1.5	0.1	<1	5	2.9
314821	Rock	0.58	0.011	3.0	24	0.19	111	0.028	1.19	0.025	0.54	>200	0.4	2	0.2	2.2	<0.1	<0.1	<1	2	3.5
314822	Rock	0.62	0.005	1.6	27	0.27	126	0.033	0.93	0.126	0.45	2.0	0.6	1	<0.1	1.1	0.4	<0.1	<1	3	4.0
314823	Rock	7.15	0.035	9.3	237	4.16	284	0.333	6.78	0.551	1.18	5.4	3.7	15	0.6	11.5	3.4	0.1	<1	26	49.3
314824	Rock	0.10	0.025	3.1	29	0.12	27	0.092	0.33	0.026	0.13	16.5	1.6	2	0.7	0.9	1.0	<0.1	<1	1	2.4
314825	Rock	0.23	0.049	3.8	17	0.20	59	0.126	0.77	0.029	0.26	49.5	3.4	4	2.3	1.3	0.9	<0.1	<1	3	3.2
314826	Rock	3.52	0.006	3.1	29	0.46	45	0.039	1.32	0.175	0.25	>200	1.2	4	0.3	3.9	0.5	<0.1	<1	4	11.9
314827	Rock	6.78	0.033	10.6	149	3.32	213	0.266	5.57	0.608	1.04	9.5	3.4	15	0.5	10.1	2.6	0.1	<1	19	32.3
314828	Rock	9.81	0.049	12.8	180	3.06	316	0.286	6.65	0.279	1.64	8.0	4.5	17	0.9	13.0	3.0	<0.1	1	21	41.2
314829	Rock	1.65	0.016	4.2	37	0.69	303	0.084	2.09	0.363	0.86	3.0	2.4	7	0.2	3.9	1.0	<0.1	<1	6	9.0
314830	Rock	1.99	0.057	13.5	41	2.08	1006	0.276	7.01	0.622	2.82	11.7	6.4	23	0.6	10.8	2.0	0.1	<1	20	25.2
314831	Rock	0.88	0.026	4.1	64	1.24	298	0.119	2.90	0.346	0.96	7.8	2.9	7	0.3	4.5	1.3	<0.1	<1	9	10.7
314832	Rock	10.47	0.090	7.5	13	4.43	226	0.134	3.61	0.819	0.83	0.7	8.4	13	0.4	5.4	1.0	<0.1	<1	9	12.5
314833	Rock	6.56	0.059	10.9	32	2.01	451	0.289	7.27	1.064	2.19	5.6	7.6	21	0.8	10.1	2.4	0.1	<1	20	15.5

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Method	1EX	1EX	1EX	G6Gr	7AR	7KP	
Analyte	S	Rb	Hf	Au	Cu	W	
Unit	%	ppm	ppm	gm/mt	%	%	
MDL	0.1	0.1	0.1	0.17	0.001	0.005	
314804	Rock	<0.1	9.8	<0.1	12.76	N.A.	N.A.
314805	Rock	<0.1	9.6	0.1	N.A.	N.A.	N.A.
314806	Rock	<0.1	19.4	<0.1	N.A.	N.A.	N.A.
314807	Rock	<0.1	25.9	0.1	7.80	N.A.	N.A.
314808	Rock	<0.1	18.5	0.1	N.A.	N.A.	N.A.
314809	Rock	<0.1	28.7	0.2	12.73	N.A.	N.A.
314810	Rock	<0.1	20.8	0.2	124.10	N.A.	N.A.
314811	Rock	<0.1	14.7	0.1	36.30	N.A.	N.A.
314812	Rock	<0.1	34.0	<0.1	184.65	N.A.	N.A.
314813	Rock	<0.1	43.2	0.2	66.88	N.A.	N.A.
314814	Rock	1.1	70.9	0.3	96.69	1.093	N.A.
314815	Rock	<0.1	42.8	0.1	8.09	N.A.	N.A.
314816	Rock	<0.1	20.8	0.2	N.A.	N.A.	N.A.
314817	Rock	<0.1	18.2	0.1	181.93	N.A.	N.A.
314818	Rock	<0.1	23.1	<0.1	19.91	N.A.	N.A.
314819	Rock	<0.1	20.0	0.2	57.60	N.A.	N.A.
314820	Rock	<0.1	43.2	0.2	N.A.	N.A.	N.A.
314821	Rock	<0.1	14.7	<0.1	N.A.	N.A.	0.125
314822	Rock	<0.1	9.4	<0.1	N.A.	N.A.	N.A.
314823	Rock	<0.1	33.9	0.2	N.A.	N.A.	N.A.
314824	Rock	<0.1	2.4	<0.1	231.12	N.A.	N.A.
314825	Rock	<0.1	7.6	0.2	197.31	N.A.	N.A.
314826	Rock	<0.1	9.8	<0.1	N.A.	N.A.	0.032
314827	Rock	<0.1	37.9	0.1	N.A.	N.A.	N.A.
314828	Rock	<0.1	61.1	0.1	N.A.	N.A.	N.A.
314829	Rock	<0.1	32.5	0.1	N.A.	N.A.	N.A.
314830	Rock	<0.1	106.8	0.4	N.A.	N.A.	N.A.
314831	Rock	<0.1	31.6	0.1	N.A.	N.A.	N.A.
314832	Rock	<0.1	26.4	0.3	N.A.	N.A.	N.A.
314833	Rock	<0.1	61.2	0.5	N.A.	N.A.	N.A.



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Method	WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	
314834	Rock	2.33	240	0.5	78.5	10.6	53	<0.1	15.9	20.3	1025	4.50	8	2.0	0.1	8.1	379	<0.1	0.9	0.2	182
314835	Rock	2.99	>5000	5.1	409.5	11.8	19	3.7	2.9	12.7	162	2.61	10	0.4	75.9	0.3	39	<0.1	1.4	39.8	48
314836	Rock	3.17	592	3.7	29.2	15.7	11	<0.1	1.9	6.4	1225	5.86	4	2.4	0.5	1.4	649	<0.1	4.5	2.8	309
314837	Rock	2.57	2131	13.0	146.1	1.6	15	1.3	3.9	12.3	214	2.42	4	0.3	3.0	0.4	173	0.1	0.6	1.7	51
314838	Rock	1.78	>5000	8.2	429.6	5.6	11	2.2	14.6	51.0	576	3.73	17	0.6	53.2	0.2	52	0.3	1.5	31.4	88
314839	Rock	2.19	>5000	4.8	282.7	2.0	9	0.4	6.5	26.6	425	2.37	7	0.5	7.4	0.4	61	0.1	0.9	6.3	50
314840	Rock	3.19	>5000	68.4	368.2	10.0	10	7.2	3.6	43.1	326	8.05	26	1.0	12.5	0.6	99	0.3	1.1	27.6	208
314841	Rock	1.11	2692	75.1	118.0	4.5	16	1.2	9.1	20.7	322	2.74	10	1.7	4.0	1.5	98	0.1	0.9	10.0	86
314842	Rock	2.67	>5000	6.3	267.9	6.2	28	1.9	2.8	8.2	304	4.50	63	6.4	14.5	3.5	101	0.2	0.7	9.2	190
314843	Rock	2.46	979	4.8	48.7	4.5	9	1.8	3.6	4.4	99	4.39	15	1.0	1.1	<0.1	6	<0.1	0.5	35.9	86



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Project: Tesoro
 Report Date: July 16, 2010

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CERTIFICATE OF ANALYSIS

LIM10000254.2

Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	
314834	Rock	5.76	0.058	14.2	35	2.07	532	0.313	8.33	1.932	1.71	1.4	10.7	28	0.9	12.2	2.3	0.1	1	23	12.8
314835	Rock	0.40	0.020	1.3	21	0.06	42	0.014	0.50	0.037	0.10	2.8	1.0	2	0.3	1.2	0.4	<0.1	<1	<1	1.6
314836	Rock	9.88	0.049	4.6	16	0.14	54	0.118	7.80	0.133	0.16	83.7	8.4	10	1.4	12.5	1.0	<0.1	<1	15	2.9
314837	Rock	0.70	0.018	2.0	24	0.32	117	0.042	1.15	0.216	0.41	28.9	1.7	4	0.3	2.8	0.5	<0.1	<1	3	2.4
314838	Rock	0.35	0.029	3.0	29	0.08	140	0.019	0.53	0.050	0.19	9.7	1.1	3	0.1	2.1	0.4	<0.1	<1	1	2.3
314839	Rock	0.34	0.018	2.2	23	0.12	145	0.027	0.63	0.062	0.31	4.0	1.1	3	0.3	2.3	0.5	<0.1	<1	2	3.8
314840	Rock	0.97	0.036	2.1	20	0.07	421	0.038	1.34	0.034	0.15	6.1	1.3	3	0.2	2.1	0.5	<0.1	<1	4	2.6
314841	Rock	1.24	0.090	3.7	22	0.47	329	0.088	2.16	0.452	0.67	1.4	6.1	7	0.3	4.8	0.8	<0.1	<1	5	7.3
314842	Rock	0.63	0.044	7.2	22	0.58	460	0.177	3.06	0.286	1.78	13.1	4.0	12	1.2	4.7	2.1	0.1	<1	9	11.0
314843	Rock	0.03	0.005	0.2	52	0.03	16	0.005	0.12	0.011	0.05	1.8	<0.1	<1	<0.1	0.1	0.4	<0.1	<1	<1	2.9



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CERTIFICATE OF ANALYSIS

LIM10000254.2

	Method	1EX	1EX	1EX	G6Gr	7AR	7KP
	Analyte	S	Rb	Hf	Au	Cu	W
	Unit	%	ppm	ppm	gm/mt	%	%
	MDL	0.1	0.1	0.1	0.17	0.001	0.005
314834	Rock	<0.1	42.0	0.6	N.A.	N.A.	N.A.
314835	Rock	<0.1	3.6	<0.1	50.46	N.A.	N.A.
314836	Rock	<0.1	4.5	0.3	N.A.	N.A.	N.A.
314837	Rock	<0.1	12.5	<0.1	N.A.	N.A.	N.A.
314838	Rock	<0.1	6.0	<0.1	47.50	N.A.	N.A.
314839	Rock	<0.1	9.6	<0.1	6.94	N.A.	N.A.
314840	Rock	<0.1	4.1	<0.1	12.42	N.A.	N.A.
314841	Rock	<0.1	25.7	0.2	N.A.	N.A.	N.A.
314842	Rock	<0.1	61.6	0.3	12.87	N.A.	N.A.
314843	Rock	<0.1	1.6	<0.1	N.A.	N.A.	N.A.



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QUALITY CONTROL REPORT

LIM10000254.2

Method	WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	
Pulp Duplicates																					
314809	Rock	0.21	>5000	54.3	2400	14.9	20	2.5	13.7	28.1	428	9.53	40	6.7	23.1	5.5	190	0.1	0.7	4.1	132
REP 314809	QC																				
314810	Rock	1.38	>5000	14.7	454.6	7.9	17	12.9	7.5	2.8	101	5.09	17	1.3	103.0	3.9	39	<0.1	0.3	44.4	43
REP 314810	QC		>5000																		
314814	Rock	2.29	>5000	73.6	>10000	10.4	62	17.8	5.6	47.9	912	11.36	14	2.8	111.4	1.5	136	0.3	0.7	27.0	161
REP 314814	QC																				
314826	Rock	1.47	106	8.7	72.5	4.7	17	0.2	29.0	9.4	446	1.78	5	0.2	0.1	0.3	44	<0.1	1.4	0.7	48
REP 314826	QC																				
314834	Rock	2.33	240	0.5	78.5	10.6	53	<0.1	15.9	20.3	1025	4.50	8	2.0	0.1	8.1	379	<0.1	0.9	0.2	182
REP 314834	QC		146																		
314838	Rock	1.78	>5000	8.2	429.6	5.6	11	2.2	14.6	51.0	576	3.73	17	0.6	53.2	0.2	52	0.3	1.5	31.4	88
REP 314838	QC			8.1	427.3	5.4	11	1.7	16.2	50.4	549	3.69	17	0.6	39.1	0.3	52	0.3	1.2	29.6	89
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-ME-3	Standard																				
STD CDN-ME-3	Standard																				
STD GC-7	Standard																				
STD NBLG	Standard																				
STD OREAS24P	Standard			1.4	51.8	2.6	116	<0.1	145.5	45.9	1085	7.30	1	0.7	<0.1	2.5	373	<0.1	<0.1	<0.1	167
STD OREAS24P	Standard			1.4	52.3	2.8	128	<0.1	146.5	45.7	1133	7.59	2	0.7	<0.1	2.7	395	0.2	<0.1	<0.1	162
STD OREAS24P	Standard			1.8	53.7	3.7	120	<0.1	149.2	50.2	1140	7.67	2	0.7	<0.1	2.4	391	<0.1	<0.1	<0.1	162
STD OREAS24P	Standard			1.4	52.0	3.0	123	<0.1	154.7	47.1	1145	7.67	<1	0.7	<0.1	2.8	392	<0.1	0.1	<0.1	170
STD OREAS45P	Standard			1.9	717.7	20.2	134	0.3	384.8	119.4	1225	18.32	12	2.0	<0.1	9.1	32	0.1	0.8	0.2	277
STD OREAS45P	Standard			2.2	721.3	22.8	146	0.4	389.8	118.4	1332	18.65	12	2.3	<0.1	10.1	37	0.2	1.0	0.2	279
STD OREAS45P	Standard			2.2	717.0	22.3	156	0.2	392.7	130.1	1331	19.37	12	2.2	<0.1	9.4	34	0.2	0.9	0.2	277
STD OREAS45P	Standard			2.0	739.8	22.4	152	0.4	403.6	127.2	1358	19.43	12	2.2	<0.1	10.3	32	0.2	0.9	0.2	286
STD OXD73	Standard		423																		
STD OXD73	Standard		397																		

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QUALITY CONTROL REPORT

LIM10000254.2

Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	
Pulp Duplicates																					
314809	Rock	1.59	0.012	8.1	20	0.18	195	0.069	2.61	0.335	0.68	8.3	4.0	12	0.4	3.7	1.3	<0.1	<1	5	4.0
REP 314809	QC																				
314810	Rock	0.10	0.004	1.1	30	0.12	190	0.020	1.05	0.105	0.61	2.4	2.1	<1	0.3	0.7	0.8	<0.1	<1	<1	3.2
REP 314810	QC																				
314814	Rock	1.58	0.035	9.0	15	0.67	221	0.234	4.57	0.279	1.71	10.6	10.0	20	0.3	7.0	2.0	<0.1	<1	14	8.0
REP 314814	QC																				
314826	Rock	3.52	0.006	3.1	29	0.46	45	0.039	1.32	0.175	0.25	>200	1.2	4	0.3	3.9	0.5	<0.1	<1	4	11.9
REP 314826	QC																				
314834	Rock	5.76	0.058	14.2	35	2.07	532	0.313	8.33	1.932	1.71	1.4	10.7	28	0.9	12.2	2.3	0.1	1	23	12.8
REP 314834	QC																				
314838	Rock	0.35	0.029	3.0	29	0.08	140	0.019	0.53	0.050	0.19	9.7	1.1	3	0.1	2.1	0.4	<0.1	<1	1	2.3
REP 314838	QC	0.34	0.027	3.1	27	0.08	138	0.018	0.52	0.048	0.18	8.3	1.2	3	0.2	2.1	0.4	<0.1	<1	1	1.9
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-ME-3	Standard																				
STD CDN-ME-3	Standard																				
STD GC-7	Standard																				
STD NBLG	Standard																				
STD OREAS24P	Standard	5.71	0.134	17.7	194	4.24	272	1.080	8.23	2.509	0.66	0.4	132.1	35	1.6	22.1	20.5	0.9	<1	20	7.7
STD OREAS24P	Standard	5.81	0.132	18.2	181	4.23	281	1.062	7.95	2.437	0.71	0.5	145.3	35	1.6	22.5	20.5	1.1	2	21	7.2
STD OREAS24P	Standard	5.89	0.131	18.8	198	4.18	289	1.075	7.77	2.354	0.67	0.5	145.8	34	2.0	22.5	21.5	1.1	1	21	7.5
STD OREAS24P	Standard	5.83	0.132	18.6	193	4.17	283	1.122	8.20	2.390	0.70	0.6	138.5	37	1.4	20.7	22.0	0.9	1	21	9.2
STD OREAS45P	Standard	0.27	0.046	24.6	1060	0.21	271	1.033	6.67	0.077	0.34	1.0	154.9	46	2.6	13.8	20.5	1.1	<1	63	14.9
STD OREAS45P	Standard	0.29	0.043	25.7	1104	0.20	308	1.078	7.01	0.078	0.38	1.2	161.2	51	3.0	13.9	21.9	1.3	1	67	15.8
STD OREAS45P	Standard	0.27	0.043	25.0	1093	0.20	285	1.096	6.94	0.068	0.35	1.1	153.4	45	2.5	13.6	21.7	1.3	<1	68	11.0
STD OREAS45P	Standard	0.29	0.043	24.7	1110	0.21	277	1.095	7.36	0.072	0.38	0.9	172.3	46	2.3	12.1	20.3	1.1	1	69	15.8
STD OXD73	Standard																				
STD OXD73	Standard																				

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Report Date: July 16, 2010

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QUALITY CONTROL REPORT

LIM10000254.2

Method	1EX	1EX	1EX	G6Gr	7AR	7KP	
Analyte	S	Rb	Hf	Au	Cu	W	
Unit	%	ppm	ppm	gm/mt	%	%	
MDL	0.1	0.1	0.1	0.17	0.001	0.005	
Pulp Duplicates							
314809	Rock	<0.1	28.7	0.2	12.73	N.A.	N.A.
REP 314809	QC			11.82			
314810	Rock	<0.1	20.8	0.2	124.10	N.A.	N.A.
REP 314810	QC						
314814	Rock	1.1	70.9	0.3	96.69	1.093	N.A.
REP 314814	QC				1.099		
314826	Rock	<0.1	9.8	<0.1	N.A.	N.A.	0.032
REP 314826	QC						0.030
314834	Rock	<0.1	42.0	0.6	N.A.	N.A.	N.A.
REP 314834	QC						
314838	Rock	<0.1	6.0	<0.1	47.50	N.A.	N.A.
REP 314838	QC	<0.1	5.6	<0.1			
Reference Materials							
STD AGPROOF	Standard			<0.17			
STD CDN-ME-3	Standard			9.91			
STD CDN-ME-3	Standard			9.43			
STD GC-7	Standard				0.557		
STD NBLG	Standard						<0.005
STD OREAS24P	Standard	<0.1	22.9	3.3			
STD OREAS24P	Standard	<0.1	21.9	3.4			
STD OREAS24P	Standard	<0.1	19.2	3.6			
STD OREAS24P	Standard	<0.1	21.0	3.8			
STD OREAS45P	Standard	<0.1	22.7	3.9			
STD OREAS45P	Standard	<0.1	24.8	4.3			
STD OREAS45P	Standard	<0.1	19.4	4.1			
STD OREAS45P	Standard	<0.1	21.9	4.3			
STD OXD73	Standard						
STD OXD73	Standard						



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QUALITY CONTROL REPORT

LIM10000254.2

	WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1
STD OXD73	Standard	444																		
STD OXH66	Standard	1274																		
STD R4A	Standard																			
STD W107	Standard																			
STD OXH66 Expected		1285																		
STD OXD73 Expected		416																		
STD OREAS24P Expected			1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15	0.09		158
STD OREAS45P Expected			2.1	749	22	141	0.32	385	120	1338	19.22	12	2.2	0.055	9.8	32.6	0.2	0.82	0.21	267
STD GC-7 Expected																				
STD R4A Expected																				
STD AGPROOF Expected																				
STD W107 Expected																				
STD CDN-ME-3 Expected																				
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
BLK	Blank	18																		
BLK	Blank	<2																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
QUARTZ_L	Prep Blank	<2	2.0	17.1	1.6	9	<0.1	1.2	0.6	141	1.16	11	<0.1	<0.1	<0.1	2	<0.1	0.9	<0.1	1
QUARTZ_L	Prep Blank	16	2.4	18.2	1.4	9	<0.1	1.6	0.6	115	0.93	15	0.2	<0.1	<0.1	3	<0.1	1.0	<0.1	2

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QUALITY CONTROL REPORT

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		1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX		
		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	1	1	1	0.1	
STD OXD73	Standard																					
STD OXH66	Standard																					
STD R4A	Standard																					
STD W107	Standard																					
STD OXH66 Expected																						
STD OXD73 Expected																						
STD OREAS24P Expected		5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04		20	8.7	
STD OREAS45P Expected		0.3	0.047	24.8	1089	0.1962	296	1.037	6.82	0.081	0.35	1.1	154	48.9	2.5	13	21.6	1.2		67	14.7	
STD GC-7 Expected																						
STD R4A Expected																						
STD AGPROOF Expected																						
STD W107 Expected																						
STD CDN-ME-3 Expected																						
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
QUARTZ_L	Prep Blank	0.01	0.001	0.3	14	<0.01	16	0.008	0.10	0.011	0.04	0.2	<0.1	<1	<0.1	0.3	0.3	<0.1	<1	<1	2.3	
QUARTZ_L	Prep Blank	<0.01	<0.001	0.4	21	<0.01	3	0.007	<0.01	0.014	0.03	0.2	0.1	<1	0.1	0.3	0.5	<0.1	<1	<1	1.9	

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Acme Analytical Laboratories (Vancouver) Ltd.

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 1-1081 West 8th Avenue
 Vancouver BC V6H 1C3 Canada

Project: Tesoro
Report Date: July 16, 2010

Page: 2 of 2 **Part** 3

QUALITY CONTROL REPORT

LIM10000254.2

		1EX	1EX	1EX	G6Gr	7AR	7KP
		S	Rb	Hf	Au	Cu	W
		%	ppm	ppm	gm/mt	%	%
		0.1	0.1	0.1	0.17	0.001	0.005
STD OXD73	Standard						
STD OXH66	Standard						
STD R4A	Standard					0.507	
STD W107	Standard						0.443
STD OXH66 Expected							
STD OXD73 Expected							
STD OREAS24P Expected			22.4	3.6			
STD OREAS45P Expected		0.03	24.6	4.12			
STD GC-7 Expected						0.555	
STD R4A Expected						0.502	
STD AGPROOF Expected					0		
STD W107 Expected							0.42
STD CDN-ME-3 Expected					9.97		
BLK	Blank	<0.1	<0.1	<0.1			
BLK	Blank						
BLK	Blank						
BLK	Blank	<0.1	<0.1	<0.1			
BLK	Blank						
BLK	Blank	<0.1	<0.1	<0.1			
BLK	Blank					<0.001	
BLK	Blank				<0.17		
BLK	Blank				<0.17		
BLK	Blank						<0.005
BLK	Blank				<0.17		
Prep Wash							
QUARTZ_L	Prep Blank	<0.1	1.5	<0.1	N.A.	N.A.	N.A.
QUARTZ_L	Prep Blank	<0.1	0.7	<0.1	N.A.	N.A.	N.A.



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 Vancouver BC V6H 1C3 Canada

Submitted By: Paul D. Gray
 Receiving Lab: Peru-Lima
 Received: June 09, 2010
 Report Date: July 09, 2010
 Page: 1 of 2

CERTIFICATE OF ANALYSIS

LIM10000253.2

CLIENT JOB INFORMATION

Project: Tesoro
 Shipment ID:
 P.O. Number
 Number of Samples: 10

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
 DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
RPLP	10	Sort, label and box pulps			LIM
MIXP	10	Mix pulps on arrival			VAN
3B01+3B04	10	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1EX	10	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
DIS-PLP	10	Warehouse handling / disposition of pulps			VAN
G6	10	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
7AR	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

ADDITIONAL COMMENTS

Version 2: G601-G612 & 7AR1 Cu included

Invoice To: Paul D. Gray Geological Consultants
 1-1081 West 8th Avenue
 Vancouver BC V6H 1C3
 Canada

CC:



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 1-1081 West 8th Avenue
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Project: Tesoro
 Report Date: July 09, 2010

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

LIM10000253.2

Method	WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	
CSD-690-02	Rock Pulp	0.50	>5000	17.9	1739	10.5	33	3.7	7.6	15.1	605	3.67	24	4.1	24.6	10.3	202	0.3	1.5	4.7	103
CSD-689-02	Rock Pulp	0.50	>5000	10.8	1380	25.1	30	3.6	8.5	12.0	232	2.96	34	1.9	15.7	3.4	90	0.3	7.0	12.2	62
CSD-2586-12	Rock Pulp	0.47	>5000	318.0	4802	19.1	30	11.6	7.2	8.7	212	10.86	49	4.0	63.7	4.1	180	0.4	2.7	11.9	144
CSD-1155-03	Rock Pulp	0.44	>5000	13.7	1041	14.6	35	5.6	8.0	14.1	657	4.63	44	3.6	22.5	8.2	259	0.2	2.6	3.3	116
CSD-1638-04	Rock Pulp	0.49	>5000	10.2	1080	31.6	29	2.8	13.5	12.8	241	3.25	258	1.3	12.7	2.4	105	0.2	4.8	7.7	71
CSD-302-01	Rock Pulp	0.48	>5000	38.3	1952	23.1	29	9.4	6.5	11.3	437	4.51	40	3.8	111.4	7.3	171	0.4	2.0	17.4	97
CSD-1937-11	Rock Pulp	0.53	>5000	31.8	1292	31.6	35	5.1	6.9	10.8	212	5.11	39	3.0	26.6	2.6	77	<0.1	5.8	8.0	92
CSD-1157-03	Rock Pulp	0.45	>5000	10.0	898.7	34.1	32	1.6	10.4	11.6	253	2.83	32	1.7	11.1	3.1	122	0.2	7.1	6.4	63
CSD-1595-10	Rock Pulp	0.46	>5000	542.8	>10000	11.1	29	26.7	8.1	9.5	229	10.80	27	8.9	85.8	4.9	280	0.6	1.6	19.7	204
CSD-1639-04	Rock Pulp	0.46	>5000	29.6	2163	12.6	39	7.8	8.6	15.6	545	5.25	68	7.2	51.7	8.3	190	0.2	26.4	9.0	113



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Project: Tesoro
 Report Date: July 09, 2010

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

LIM10000253.2

Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1
CSD-690-02	Rock Pulp	1.75	0.039	12.2	14	0.58	519	0.146	4.68	1.077	1.85	12.7	6.4	19	0.8	5.8	2.3	0.2	<1	7	5.0
CSD-689-02	Rock Pulp	0.72	0.011	4.2	13	0.29	236	0.053	1.87	0.409	0.69	4.5	2.7	6	0.7	2.3	1.1	<0.1	<1	3	5.3
CSD-2586-12	Rock Pulp	0.44	0.028	6.5	14	0.17	303	0.095	2.05	0.303	1.10	171.4	4.4	9	0.8	1.7	1.2	<0.1	<1	4	3.0
CSD-1155-03	Rock Pulp	1.85	0.042	15.1	17	0.68	610	0.170	5.37	1.045	2.07	12.8	5.2	22	1.0	6.3	2.1	0.1	<1	9	7.7
CSD-1638-04	Rock Pulp	0.78	0.013	4.9	29	0.41	270	0.066	2.10	0.409	0.72	196.8	2.0	7	1.8	2.7	1.2	<0.1	<1	3	5.3
CSD-302-01	Rock Pulp	1.18	0.034	9.1	14	0.40	369	0.109	3.60	0.746	1.35	14.3	5.9	13	0.7	3.9	1.5	0.1	<1	5	4.3
CSD-1937-11	Rock Pulp	0.46	0.015	4.7	13	0.20	268	0.060	1.86	0.243	0.90	150.7	2.9	7	0.6	2.5	0.9	<0.1	<1	3	3.7
CSD-1157-03	Rock Pulp	0.77	0.012	5.6	19	0.36	343	0.067	2.16	0.463	0.89	20.7	3.8	8	0.8	2.4	1.4	<0.1	<1	3	5.6
CSD-1595-10	Rock Pulp	0.57	0.049	9.0	15	0.21	446	0.129	2.95	0.274	1.29	36.7	4.0	13	2.0	2.0	1.3	<0.1	<1	7	4.8
CSD-1639-04	Rock Pulp	1.46	0.032	13.2	17	0.53	551	0.137	4.30	0.771	1.91	55.3	6.9	19	1.1	5.0	2.1	0.2	<1	8	4.6



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Project: Tesoro
 Report Date: July 09, 2010

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CERTIFICATE OF ANALYSIS

LIM10000253.2

Method		1EX	1EX	1EX	G6Gr	7AR
Analyte		S	Rb	Hf	Au	Cu
Unit		%	ppm	ppm	gm/mt	%
MDL		0.1	0.1	0.1	0.17	0.001
CSD-690-02	Rock Pulp	<0.1	62.9	0.3	30.04	N.A.
CSD-689-02	Rock Pulp	0.1	24.5	<0.1	20.23	N.A.
CSD-2586-12	Rock Pulp	0.7	25.0	0.2	72.77	N.A.
CSD-1155-03	Rock Pulp	0.1	72.0	0.3	36.46	N.A.
CSD-1638-04	Rock Pulp	<0.1	26.5	<0.1	16.76	N.A.
CSD-302-01	Rock Pulp	<0.1	49.8	0.2	137.04	N.A.
CSD-1937-11	Rock Pulp	0.1	31.2	0.1	27.41	N.A.
CSD-1157-03	Rock Pulp	<0.1	30.0	0.1	12.57	N.A.
CSD-1595-10	Rock Pulp	0.3	40.1	0.2	100.56	4.244
CSD-1639-04	Rock Pulp	<0.1	61.2	0.3	62.82	N.A.



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Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

LIM10000253.2

Method	WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	
Pulp Duplicates																					
CSD-1157-03	Rock Pulp	0.45	>5000	10.0	898.7	34.1	32	1.6	10.4	11.6	253	2.83	32	1.7	11.1	3.1	122	0.2	7.1	6.4	63
REP CSD-1157-03	QC			10.4	921.8	34.6	33	1.7	11.3	12.9	253	2.93	35	1.8	15.3	3.5	123	0.3	6.7	6.5	64
CSD-1595-10	Rock Pulp	0.46	>5000	542.8	>10000	11.1	29	26.7	8.1	9.5	229	10.80	27	8.9	85.8	4.9	280	0.6	1.6	19.7	204
REP CSD-1595-10	QC																				
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-ME-3	Standard																				
STD GC-7	Standard																				
STD OREAS24P	Standard			1.4	51.8	2.6	116	<0.1	145.5	45.9	1085	7.30	1	0.7	<0.1	2.5	373	<0.1	<0.1	<0.1	167
STD OREAS45P	Standard			1.9	717.7	20.2	134	0.3	384.8	119.4	1225	18.32	12	2.0	<0.1	9.1	32	0.1	0.8	0.2	277
STD OXD73	Standard		423																		
STD OXD73	Standard		444																		
STD OXH66	Standard		1274																		
STD R4A	Standard																				
STD OREAS24P Expected				1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15	0.09		158
STD OREAS45P Expected				2.1	749	22	141	0.32	385	120	1338	19.22	12	2.2	0.055	9.8	32.6	0.2	0.82	0.21	267
STD OXH66 Expected			1285																		
STD OXD73 Expected			416																		
STD GC-7 Expected																					
STD R4A Expected																					
STD CDN-ME-3 Expected																					
STD AGPROOF Expected																					
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank																				
BLK	Blank																				

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Project: Tesoro
Report Date: July 09, 2010

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

LIM10000253.2

Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	
Pulp Duplicates																					
CSD-1157-03	Rock Pulp	0.77	0.012	5.6	19	0.36	343	0.067	2.16	0.463	0.89	20.7	3.8	8	0.8	2.4	1.4	<0.1	<1	3	5.6
REP CSD-1157-03	QC	0.78	0.013	5.9	19	0.39	340	0.064	2.15	0.499	0.91	19.7	3.2	8	0.8	2.6	1.4	<0.1	<1	3	5.5
CSD-1595-10	Rock Pulp	0.57	0.049	9.0	15	0.21	446	0.129	2.95	0.274	1.29	36.7	4.0	13	2.0	2.0	1.3	<0.1	<1	7	4.8
REP CSD-1595-10	QC																				
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-ME-3	Standard																				
STD GC-7	Standard																				
STD OREAS24P	Standard	5.71	0.134	17.7	194	4.24	272	1.080	8.23	2.509	0.66	0.4	132.1	35	1.6	22.1	20.5	0.9	<1	20	7.7
STD OREAS45P	Standard	0.27	0.046	24.6	1060	0.21	271	1.033	6.67	0.077	0.34	1.0	154.9	46	2.6	13.8	20.5	1.1	<1	63	14.9
STD OXD73	Standard																				
STD OXD73	Standard																				
STD OXH66	Standard																				
STD R4A	Standard																				
STD OREAS24P Expected		5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04		20	8.7
STD OREAS45P Expected		0.3	0.047	24.8	1089	0.1962	296	1.037	6.82	0.081	0.35	1.1	154	48.9	2.5	13	21.6	1.2		67	14.7
STD OXH66 Expected																					
STD OXD73 Expected																					
STD GC-7 Expected																					
STD R4A Expected																					
STD CDN-ME-3 Expected																					
STD AGPROOF Expected																					
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Project: Tesoro
Report Date: July 09, 2010

Page: 1 of 2 **Part** 3

QUALITY CONTROL REPORT

LIM10000253.2

Method	1EX	1EX	1EX	G6Gr	7AR	
Analyte	S	Rb	Hf	Au	Cu	
Unit	%	ppm	ppm	gm/mt	%	
MDL	0.1	0.1	0.1	0.17	0.001	
Pulp Duplicates						
CSD-1157-03	Rock Pulp	<0.1	30.0	0.1	12.57	N.A.
REP CSD-1157-03	QC	<0.1	31.3	<0.1		
CSD-1595-10	Rock Pulp	0.3	40.1	0.2	100.56	4.244
REP CSD-1595-10	QC				106.61	
Reference Materials						
STD AGPROOF	Standard			<0.17		
STD CDN-ME-3	Standard			9.91		
STD GC-7	Standard				0.557	
STD OREAS24P	Standard	<0.1	22.9	3.3		
STD OREAS45P	Standard	<0.1	22.7	3.9		
STD OXD73	Standard					
STD OXD73	Standard					
STD OXH66	Standard					
STD R4A	Standard				0.507	
STD OREAS24P Expected			22.4	3.6		
STD OREAS45P Expected		0.03	24.6	4.12		
STD OXH66 Expected						
STD OXD73 Expected						
STD GC-7 Expected					0.555	
STD R4A Expected					0.502	
STD CDN-ME-3 Expected				9.97		
STD AGPROOF Expected				0		
BLK	Blank	<0.1	<0.1	<0.1		
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank				<0.001	
BLK	Blank			<0.17		



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Project: Tesoro

Report Date: July 09, 2010

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QUALITY CONTROL REPORT

LIM10000253.2

WGHT	3B-50	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	
BLK	Blank																			



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QUALITY CONTROL REPORT

LIM10000253.2

	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	
	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
BLK	Blank																				
	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	



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Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

LIM10000253.2

	1EX	1EX	1EX	G6Gr	7AR
	S	Rb	Hf	Au	Cu
	%	ppm	ppm	gm/mt	%
	0.1	0.1	0.1	0.17	0.001
BLK	Blank			<0.17	