

January 31, 2012

Report to:

John Trujillo
Trujillo Development
219 10th Avenue
Ouray, CO 81427

Bill to:

Joanne Colorosa
Silver Star Resources, LLC
1675 Larimer Street Suite 820
Denver, CO 80202

cc: Greg Lewicki, Rory Williams

Project ID:

ACZ Project ID: L92784

John Trujillo:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 18, 2012. This project has been assigned to ACZ's project number, L92784. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L92784. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 29, 2012. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed
and approved this report.



Silver Star Resources, LLC

Project ID:

Sample ID: UG-1

ACZ Sample ID: **L92784-01**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/23/12 11:48	lhb
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 12:54	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 18:28	jic

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 13:43	jic
Aluminum, total	M200.7 ICP		U		mg/L	0.03	0.2	01/25/12 11:40	jic
Antimony, dissolved	M200.8 ICP-MS		U		mg/L	0.0004	0.002	01/26/12 15:36	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0031			mg/L	0.0005	0.002	01/26/12 15:36	msh
Barium, dissolved	M200.7 ICP	0.022			mg/L	0.003	0.02	01/23/12 13:43	jic
Beryllium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:36	msh
Boron, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 13:43	jic
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:36	msh
Calcium, dissolved	M200.7 ICP	35.5			mg/L	0.2	1	01/23/12 13:43	jic
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:36	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:36	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	01/23/12 13:43	jic
Iron, total	M200.7 ICP	0.05	B		mg/L	0.02	0.05	01/25/12 11:40	jic
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:36	msh
Magnesium, dissolved	M200.7 ICP	1.7			mg/L	0.2	1	01/23/12 13:43	jic
Manganese, dissolved	M200.7 ICP	0.032		*	mg/L	0.005	0.03	01/23/12 13:43	jic
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:42	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0044			mg/L	0.0005	0.003	01/26/12 15:36	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 13:43	jic
Potassium, dissolved	M200.7 ICP	0.4	B		mg/L	0.3	2	01/23/12 13:43	jic
Selenium, dissolved	M200.8 ICP-MS	0.0005			mg/L	0.0001	0.0003	01/26/12 15:36	msh
Silica, dissolved	M200.7 ICP	8.7			mg/L	0.4	2	01/23/12 13:43	jic
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	01/26/12 15:36	msh
Sodium, dissolved	M200.7 ICP	5.9			mg/L	0.3	2	01/23/12 13:43	jic
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:36	msh
Uranium, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	01/26/12 15:36	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 13:43	jic
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 13:43	jic

Silver Star Resources, LLC

Project ID:

Sample ID: UG-1

ACZ Sample ID: **L92784-01**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		69			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		69			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-6.4			%			01/31/12 0:00	calc
Sum of Anions		2.5			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		2.2			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E		U	*	mg/L	1	5	01/24/12 10:22	lhb
Conductivity @25C	SM2510B	228			umhos/cm	1	10	01/19/12 1:38	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:54	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:09	pjb
Fluoride	SM4500F-C	0.1	B	*	mg/L	0.1	0.5	01/25/12 15:21	las
Hardness as CaCO ₃	SM2340B - Calculation	96			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:51	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/18/12 16:36	abm
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.04	B	*	mg/L	0.02	0.1	01/25/12 23:57	pjb
pH (lab)	SM4500H+ B								
pH		8.0	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		19.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.01	BH	*	mg/L	0.01	0.05	01/19/12 0:11	pjb
Residue, Filterable (TDS) @180C	SM2540C	130			mg/L	10	20	01/18/12 16:45	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	01/18/12 17:09	mfa
Sulfate	D516-02 - Turbidimetric	53		*	mg/L	5	30	01/25/12 16:34	lhb
TDS (calculated)	Calculation	147			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.88						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L92784-02**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/23/12 11:54	lhb
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:06	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 19:04	jjc

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 13:46	jjc
Aluminum, total	M200.7 ICP	0.08	B		mg/L	0.03	0.2	01/25/12 11:49	jjc
Antimony, dissolved	M200.8 ICP-MS	0.0011	B		mg/L	0.0004	0.002	01/26/12 15:39	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0029			mg/L	0.0005	0.002	01/26/12 15:39	msh
Barium, dissolved	M200.7 ICP	0.022			mg/L	0.003	0.02	01/23/12 13:46	jjc
Beryllium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:39	msh
Boron, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	01/23/12 13:46	jjc
Cadmium, dissolved	M200.8 ICP-MS	0.0005	B		mg/L	0.0001	0.0005	01/26/12 15:39	msh
Calcium, dissolved	M200.7 ICP	63.1			mg/L	0.2	1	01/23/12 13:46	jjc
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:39	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:39	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	01/23/12 13:46	jjc
Iron, total	M200.7 ICP	0.39			mg/L	0.02	0.05	01/25/12 11:49	jjc
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	01/26/12 15:39	msh
Magnesium, dissolved	M200.7 ICP	2.6			mg/L	0.2	1	01/23/12 13:46	jjc
Manganese, dissolved	M200.7 ICP	1.500		*	mg/L	0.005	0.03	01/23/12 13:46	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:44	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0025	B		mg/L	0.0005	0.003	01/26/12 15:39	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 13:46	jjc
Potassium, dissolved	M200.7 ICP	0.5	B		mg/L	0.3	2	01/23/12 13:46	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0003			mg/L	0.0001	0.0003	01/26/12 15:39	msh
Silica, dissolved	M200.7 ICP	7.9			mg/L	0.4	2	01/23/12 13:46	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	01/26/12 15:39	msh
Sodium, dissolved	M200.7 ICP	8.6			mg/L	0.3	2	01/23/12 13:46	jjc
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:39	msh
Uranium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	01/26/12 15:39	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 13:46	jjc
Zinc, dissolved	M200.7 ICP	0.41			mg/L	0.01	0.05	01/23/12 13:46	jjc

Silver Star Resources, LLC

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L92784-02**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		57			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		57			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-9.3			%			01/31/12 0:00	calc
Sum of Anions		4.7			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		3.9			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E		U	*	mg/L	1	5	01/24/12 10:22	lhb
Conductivity @25C	SM2510B	390			umhos/cm	1	10	01/19/12 1:46	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:55	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:10	pjb
Fluoride	SM4500F-C		U	*	mg/L	0.1	0.5	01/25/12 15:34	las
Hardness as CaCO ₃	SM2340B - Calculation	168			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:52	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/18/12 16:38	abm
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.09	B	*	mg/L	0.02	0.1	01/26/12 0:02	pjb
pH (lab)	SM4500H+ B								
pH		8.0	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		20.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid		UH	*	mg/L	0.01	0.05	01/19/12 0:14	pjb
Residue, Filterable (TDS) @180C	SM2540C	260			mg/L	10	20	01/18/12 16:46	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	01/18/12 17:11	mfa
Sulfate	D516-02 - Turbidimetric	167		*	mg/L	5	30	01/25/12 17:34	lhb
TDS (calculated)	Calculation	286			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.91						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: UG-3

ACZ Sample ID: **L92784-03**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/23/12 12:06	lhb
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:12	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 19:16	jjc

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 13:55	jjc
Aluminum, total	M200.7 ICP	0.28			mg/L	0.03	0.2	01/25/12 11:52	jjc
Antimony, dissolved	M200.8 ICP-MS		U		mg/L	0.0004	0.002	01/26/12 15:42	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0032			mg/L	0.0005	0.002	01/26/12 15:42	msh
Barium, dissolved	M200.7 ICP	0.020			mg/L	0.003	0.02	01/23/12 13:55	jjc
Beryllium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	01/26/12 15:42	msh
Boron, dissolved	M200.7 ICP	0.03	B		mg/L	0.01	0.05	01/23/12 13:55	jjc
Cadmium, dissolved	M200.8 ICP-MS	0.0183			mg/L	0.0001	0.0005	01/26/12 15:42	msh
Calcium, dissolved	M200.7 ICP	84.1			mg/L	0.2	1	01/23/12 13:55	jjc
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:42	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:42	msh
Iron, dissolved	M200.7 ICP	0.16			mg/L	0.02	0.05	01/23/12 13:55	jjc
Iron, total	M200.7 ICP	2.74			mg/L	0.02	0.05	01/25/12 11:52	jjc
Lead, dissolved	M200.8 ICP-MS	0.0015			mg/L	0.0001	0.0005	01/26/12 15:42	msh
Magnesium, dissolved	M200.7 ICP	8.9			mg/L	0.2	1	01/23/12 13:55	jjc
Manganese, dissolved	M200.7 ICP	45.300		*	mg/L	0.005	0.03	01/23/12 13:55	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:46	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0014	B		mg/L	0.0005	0.003	01/26/12 15:42	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 13:55	jjc
Potassium, dissolved	M200.7 ICP	1.3	B		mg/L	0.3	2	01/23/12 13:55	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0003	01/26/12 15:42	msh
Silica, dissolved	M200.7 ICP	9.3			mg/L	0.4	2	01/23/12 13:55	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	01/26/12 15:42	msh
Sodium, dissolved	M200.7 ICP	15.4			mg/L	0.3	2	01/23/12 13:55	jjc
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:42	msh
Uranium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:42	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 13:55	jjc
Zinc, dissolved	M200.7 ICP	9.40			mg/L	0.01	0.05	01/23/12 13:55	jjc

Silver Star Resources, LLC

Project ID:

Sample ID: UG-3

ACZ Sample ID: **L92784-03**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		45			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		45			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		6.9			%			01/31/12 0:00	calc
Sum of Anions		8.1			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		9.3			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E	1	B	*	mg/L	1	5	01/24/12 10:22	lhb
Conductivity @25C	SM2510B	710			umhos/cm	1	10	01/19/12 1:54	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:56	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:11	pjb
Fluoride	SM4500F-C	0.6		*	mg/L	0.1	0.5	01/25/12 15:40	las
Hardness as CaCO ₃	SM2340B - Calculation	247			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:53	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/19/12 15:50	mfa
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.03	B	*	mg/L	0.02	0.1	01/26/12 0:03	pjb
pH (lab)	SM4500H+ B								
pH		7.6	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		19.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.01	BH	*	mg/L	0.01	0.05	01/19/12 0:16	pjb
Residue, Filterable (TDS) @180C	SM2540C	550			mg/L	10	20	01/19/12 17:22	las
Residue, Non-Filterable (TSS) @105C	SM2540D	15	B	*	mg/L	5	20	01/18/12 17:12	mfa
Sulfate	D516-02 - Turbidimetric	340		*	mg/L	50	300	01/25/12 16:40	lhb
TDS (calculated)	Calculation	542			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: UG-4

ACZ Sample ID: **L92784-04**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/23/12 12:18	lhb
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:18	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 19:29	jjc

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 13:58	jjc
Aluminum, total	M200.7 ICP	0.04	B		mg/L	0.03	0.2	01/25/12 12:01	jjc
Antimony, dissolved	M200.8 ICP-MS	0.0057			mg/L	0.0004	0.002	01/26/12 15:46	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0095			mg/L	0.0005	0.002	01/26/12 15:46	msh
Barium, dissolved	M200.7 ICP	0.024			mg/L	0.003	0.02	01/23/12 13:58	jjc
Beryllium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:46	msh
Boron, dissolved	M200.7 ICP	0.03	B		mg/L	0.01	0.05	01/23/12 13:58	jjc
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:46	msh
Calcium, dissolved	M200.7 ICP	61.7			mg/L	0.2	1	01/23/12 13:58	jjc
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:46	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:46	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	01/23/12 13:58	jjc
Iron, total	M200.7 ICP	0.07			mg/L	0.02	0.05	01/25/12 12:01	jjc
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	01/26/12 15:46	msh
Magnesium, dissolved	M200.7 ICP	3.5			mg/L	0.2	1	01/23/12 13:58	jjc
Manganese, dissolved	M200.7 ICP	0.076		*	mg/L	0.005	0.03	01/23/12 13:58	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:48	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0075			mg/L	0.0005	0.003	01/26/12 15:46	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 13:58	jjc
Potassium, dissolved	M200.7 ICP	0.6	B		mg/L	0.3	2	01/23/12 13:58	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0005			mg/L	0.0001	0.0003	01/26/12 15:46	msh
Silica, dissolved	M200.7 ICP	7.6			mg/L	0.4	2	01/23/12 13:58	jjc
Silver, dissolved	M200.8 ICP-MS		U	*	mg/L	0.00005	0.0003	01/26/12 15:46	msh
Sodium, dissolved	M200.7 ICP	12.0			mg/L	0.3	2	01/23/12 13:58	jjc
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:46	msh
Uranium, dissolved	M200.8 ICP-MS	0.0008			mg/L	0.0001	0.0005	01/26/12 15:46	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 13:58	jjc
Zinc, dissolved	M200.7 ICP	0.04	B		mg/L	0.01	0.05	01/23/12 13:58	jjc

Silver Star Resources, LLC

Project ID:

Sample ID: UG-4

ACZ Sample ID: **L92784-04**

Date Sampled: 01/16/12 10:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		73			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		73			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-2.5			%			01/31/12 0:00	calc
Sum of Anions		4.1			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		3.9			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E	1	B	*	mg/L	1	5	01/24/12 10:22	lhb
Conductivity @25C	SM2510B	416			umhos/cm	1	10	01/19/12 2:32	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:58	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:12	pjb
Fluoride	SM4500F-C	0.1	B	*	mg/L	0.1	0.5	01/25/12 15:44	las
Hardness as CaCO ₃	SM2340B - Calculation	169			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:53	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/19/12 15:51	mfa
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.08	B	*	mg/L	0.02	0.1	01/26/12 0:04	pjb
pH (lab)	SM4500H+ B								
pH		8.0	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		20.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid		UH	*	mg/L	0.01	0.05	01/19/12 0:17	pjb
Residue, Filterable (TDS) @180C	SM2540C	250			mg/L	10	20	01/19/12 17:23	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	01/18/12 17:13	mfa
Sulfate	D516-02 - Turbidimetric	124		*	mg/L	5	30	01/25/12 16:35	lhb
TDS (calculated)	Calculation	254			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.98						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L92784-05**

Date Sampled: 01/16/12 12:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/23/12 12:24	lhb
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:24	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 19:41	jjc

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 14:01	jjc
Aluminum, total	M200.7 ICP	0.08	B		mg/L	0.03	0.2	01/25/12 12:04	jjc
Antimony, dissolved	M200.8 ICP-MS	0.0009	B		mg/L	0.0004	0.002	01/26/12 15:49	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0006	B		mg/L	0.0005	0.002	01/26/12 15:49	msh
Barium, dissolved	M200.7 ICP	0.053			mg/L	0.003	0.02	01/23/12 14:01	jjc
Beryllium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:49	msh
Boron, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 14:01	jjc
Cadmium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	01/26/12 15:49	msh
Calcium, dissolved	M200.7 ICP	28.8			mg/L	0.2	1	01/23/12 14:01	jjc
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:49	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:49	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	01/23/12 14:01	jjc
Iron, total	M200.7 ICP	0.06			mg/L	0.02	0.05	01/25/12 12:04	jjc
Lead, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	01/26/12 15:49	msh
Magnesium, dissolved	M200.7 ICP	2.7			mg/L	0.2	1	01/23/12 14:01	jjc
Manganese, dissolved	M200.7 ICP	0.007	B	*	mg/L	0.005	0.03	01/23/12 14:01	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:50	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0011	B		mg/L	0.0005	0.003	01/26/12 15:49	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 14:01	jjc
Potassium, dissolved	M200.7 ICP	0.5	B		mg/L	0.3	2	01/23/12 14:01	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0003			mg/L	0.0001	0.0003	01/26/12 15:49	msh
Silica, dissolved	M200.7 ICP	4.5			mg/L	0.4	2	01/23/12 14:01	jjc
Silver, dissolved	M200.8 ICP-MS		U	*	mg/L	0.00005	0.0003	01/26/12 15:49	msh
Sodium, dissolved	M200.7 ICP	2.1			mg/L	0.3	2	01/23/12 14:01	jjc
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:49	msh
Uranium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:49	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 14:01	jjc
Zinc, dissolved	M200.7 ICP	0.10			mg/L	0.01	0.05	01/23/12 14:01	jjc

Silver Star Resources, LLC

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L92784-05**

Date Sampled: 01/16/12 12:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		43			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		43			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-7.7			%			01/31/12 0:00	calc
Sum of Anions		2.1			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		1.8			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E		U	*	mg/L	1	5	01/24/12 10:22	lhb
Conductivity @25C	SM2510B	201			umhos/cm	1	10	01/19/12 2:39	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:59	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:13	pjb
Fluoride	SM4500F-C		U	*	mg/L	0.1	0.5	01/25/12 15:50	las
Hardness as CaCO ₃	SM2340B - Calculation	83			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:54	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/19/12 15:53	mfa
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.13		*	mg/L	0.02	0.1	01/26/12 0:05	pjb
pH (lab)	SM4500H+ B								
pH		7.9	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		19.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid		HU	*	mg/L	0.01	0.05	01/19/12 0:18	pjb
Residue, Filterable (TDS) @180C	SM2540C	110			mg/L	10	20	01/19/12 17:25	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	01/20/12 14:03	mfa
Sulfate	D516-02 - Turbidimetric	57		*	mg/L	5	30	01/25/12 16:35	lhb
TDS (calculated)	Calculation	122			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.90						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L92784-06**

Date Sampled: 01/16/12 12:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/24/12 10:55	mpb\
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:30	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 19:53	jjc

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 14:04	jjc
Aluminum, total	M200.7 ICP	0.12	B		mg/L	0.03	0.2	01/25/12 12:07	jjc
Antimony, dissolved	M200.8 ICP-MS	0.0016	B		mg/L	0.0004	0.002	01/26/12 15:52	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0010	B		mg/L	0.0005	0.002	01/26/12 15:52	msh
Barium, dissolved	M200.7 ICP	0.031			mg/L	0.003	0.02	01/23/12 14:04	jjc
Beryllium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:52	msh
Boron, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 14:04	jjc
Cadmium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	01/26/12 15:52	msh
Calcium, dissolved	M200.7 ICP	45.4			mg/L	0.2	1	01/23/12 14:04	jjc
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:52	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:52	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	01/23/12 14:04	jjc
Iron, total	M200.7 ICP	0.25			mg/L	0.02	0.05	01/25/12 12:07	jjc
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	01/26/12 15:52	msh
Magnesium, dissolved	M200.7 ICP	2.6			mg/L	0.2	1	01/23/12 14:04	jjc
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 14:04	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:52	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0025	B		mg/L	0.0005	0.003	01/26/12 15:52	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 14:04	jjc
Potassium, dissolved	M200.7 ICP	0.5	B		mg/L	0.3	2	01/23/12 14:04	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0003			mg/L	0.0001	0.0003	01/26/12 15:52	msh
Silica, dissolved	M200.7 ICP	5.5			mg/L	0.4	2	01/23/12 14:04	jjc
Silver, dissolved	M200.8 ICP-MS		U	*	mg/L	0.00005	0.0003	01/26/12 15:52	msh
Sodium, dissolved	M200.7 ICP	5.0			mg/L	0.3	2	01/23/12 14:04	jjc
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:52	msh
Uranium, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	01/26/12 15:52	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 14:04	jjc
Zinc, dissolved	M200.7 ICP	0.14			mg/L	0.01	0.05	01/23/12 14:04	jjc

Silver Star Resources, LLC

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L92784-06**

Date Sampled: 01/16/12 12:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		49			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		49			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-5.3			%			01/31/12 0:00	calc
Sum of Anions		3			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		2.7			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E		U	*	mg/L	1	5	01/24/12 10:23	lhb
Conductivity @25C	SM2510B	301			umhos/cm	1	10	01/19/12 2:46	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/25/12 0:31	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:16	pjb
Fluoride	SM4500F-C		U	*	mg/L	0.1	0.5	01/25/12 15:57	las
Hardness as CaCO ₃	SM2340B - Calculation	124			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:54	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/19/12 15:54	mfa
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.14		*	mg/L	0.02	0.1	01/26/12 0:06	pjb
pH (lab)	SM4500H+ B								
pH		7.9	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		19.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.02	HB	*	mg/L	0.01	0.05	01/19/12 0:19	pjb
Residue, Filterable (TDS) @180C	SM2540C	190			mg/L	10	20	01/19/12 17:26	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	01/20/12 14:05	mfa
Sulfate	D516-02 - Turbidimetric	95		*	mg/L	5	30	01/25/12 16:36	lhb
TDS (calculated)	Calculation	184			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L92784-07**

Date Sampled: 01/16/12 12:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/24/12 11:12	mpb\
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:36	lhb
Total Hot Plate Digestion	M200.2 ICP							01/24/12 20:05	jic

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	01/23/12 14:14	jic
Aluminum, total	M200.7 ICP	0.06	B		mg/L	0.03	0.2	01/25/12 12:11	jic
Antimony, dissolved	M200.8 ICP-MS	0.0013	B		mg/L	0.0004	0.002	01/26/12 15:55	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0007	B		mg/L	0.0005	0.002	01/26/12 15:55	msh
Barium, dissolved	M200.7 ICP	0.046			mg/L	0.003	0.02	01/23/12 14:14	jic
Beryllium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:55	msh
Boron, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 14:14	jic
Cadmium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	01/26/12 15:55	msh
Calcium, dissolved	M200.7 ICP	33.8			mg/L	0.2	1	01/23/12 14:14	jic
Chromium, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.002	01/26/12 15:55	msh
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	01/26/12 15:55	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	01/23/12 14:14	jic
Iron, total	M200.7 ICP	0.10			mg/L	0.02	0.05	01/25/12 12:11	jic
Lead, dissolved	M200.8 ICP-MS	0.0007			mg/L	0.0001	0.0005	01/26/12 15:55	msh
Magnesium, dissolved	M200.7 ICP	2.5			mg/L	0.2	1	01/23/12 14:14	jic
Manganese, dissolved	M200.7 ICP	0.006	B		mg/L	0.005	0.03	01/23/12 14:14	jic
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	01/30/12 23:55	erf
Molybdenum, dissolved	M200.8 ICP-MS	0.0015	B		mg/L	0.0005	0.003	01/26/12 15:55	msh
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	01/23/12 14:14	jic
Potassium, dissolved	M200.7 ICP	0.7	B		mg/L	0.3	2	01/23/12 14:14	jic
Selenium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0003	01/26/12 15:55	msh
Silica, dissolved	M200.7 ICP	5.1			mg/L	0.4	2	01/23/12 14:14	jic
Silver, dissolved	M200.8 ICP-MS		U	*	mg/L	0.00005	0.0003	01/26/12 15:55	msh
Sodium, dissolved	M200.7 ICP	3.2			mg/L	0.3	2	01/23/12 14:14	jic
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:55	msh
Uranium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	01/26/12 15:55	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	01/23/12 14:14	jic
Zinc, dissolved	M200.7 ICP	0.15			mg/L	0.01	0.05	01/23/12 14:14	jic

Silver Star Resources, LLC

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L92784-07**

Date Sampled: 01/16/12 12:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		48			mg/L	2	20	01/19/12 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	01/19/12 0:00	las
Total Alkalinity		48			mg/L	2	20	01/19/12 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-6.7			%			01/31/12 0:00	calc
Sum of Anions		2.4			meq/L	0.1	0.5	01/31/12 0:00	calc
Sum of Cations		2.1			meq/L	0.1	0.5	01/31/12 0:00	calc
Chloride	SM4500Cl-E		U		mg/L	1	5	01/24/12 10:23	lhb
Conductivity @25C	SM2510B	223			umhos/cm	1	10	01/19/12 2:53	las
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/25/12 0:32	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:17	pjb
Fluoride	SM4500F-C		U	*	mg/L	0.1	0.5	01/25/12 16:02	las
Hardness as CaCO ₃	SM2340B - Calculation	95			mg/L	1	7	01/31/12 0:00	calc
Lab Filtration (0.45um) & Acidification	M200.7/200.8							01/18/12 15:55	mfm
Lab Filtration (glass fiber filter)	SOPWC050							01/19/12 15:55	mfa
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.08	B	*	mg/L	0.02	0.1	01/26/12 0:08	pjb
pH (lab)	SM4500H+ B								
pH		7.8	H		units	0.1	0.1	01/19/12 0:00	las
pH measured at		19.0			C	0.1	0.1	01/19/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid		HU	*	mg/L	0.01	0.05	01/19/12 0:20	pjb
Residue, Filterable (TDS) @180C	SM2540C	130			mg/L	10	20	01/19/12 17:27	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	01/20/12 14:07	mfa
Sulfate	D516-02 - Turbidimetric	66		*	mg/L	5	30	01/25/12 16:36	lhb
TDS (calculated)	Calculation	140			mg/L	10	50	01/31/12 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.93						01/31/12 0:00	calc

Silver Star Resources, LLC

Project ID:

Sample ID: CNTB011012-2

ACZ Sample ID: **L92784-08**

Date Sampled: 01/16/12 00:00

Date Received: 01/18/12

Sample Matrix: Waste Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation							01/24/12 11:28	mpb\
Cyanide, WAD	SM4500-CN I- distillation							01/23/12 13:42	lhb

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/25/12 0:34	pjb
Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation		U	*	mg/L	0.003	0.01	01/24/12 23:17	pjb

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit, typically 5 times the MDL.
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (4) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (5) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Silver Star Resources, LLC
 Project ID:

ACZ Project ID: **L92784**

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG316952													
WG316952PBW1	PBW	01/18/12 16:29				U	mg/L		-20	20			
WG316952LCSW2	LCSW	01/18/12 16:42	WC120109-	820.0001		772.1	mg/L	94.2	90	110			
WG316952PBW2	PBW	01/18/12 19:38				U	mg/L		-20	20			
WG316952LCSW5	LCSW	01/18/12 19:51	WC120109-	820.0001		777.1	mg/L	94.8	90	110			
WG316952PBW3	PBW	01/18/12 22:50				2.7	mg/L		-20	20			
WG316952LCSW8	LCSW	01/18/12 23:03	WC120109-	820.0001		783.7	mg/L	95.6	90	110			
L92784-03DUP	DUP	01/19/12 2:01			45	47.8	mg/L				6	20	
WG316952PBW4	PBW	01/19/12 2:07				U	mg/L		-20	20			
WG316952LCSW11	LCSW	01/19/12 2:20	WC120109-	820.0001		782.7	mg/L	95.5	90	110			
L92786-04DUP	DUP	01/19/12 3:51			84	86.1	mg/L				2.5	20	
WG316952LCSW14	LCSW	01/19/12 4:56	WC120109-	820.0001		796.1	mg/L	97.1	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		2.02	mg/L	101	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.09	0.09			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	1		1.031	mg/L	103.1	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	1	2.01	2.979	mg/L	96.9	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	1	2.01	2.962	mg/L	95.2	85	115	0.57	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	1	U	1.065	mg/L	106.5	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	1	U	1.051	mg/L	105.1	85	115	1.32	20	

Aluminum, total

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317308													
WG317308ICV	ICV	01/25/12 10:29	II111213-1	2		2.039	mg/L	102	95	105			
WG317308ICB	ICB	01/25/12 10:35				U	mg/L		-0.09	0.09			
WG317250LRB	LRB	01/25/12 10:48				U	mg/L		-0.066	0.066			
WG317250LFB	LFB	01/25/12 10:51	II120104-2	1		1.052	mg/L	105.2	85	115			
L92784-01LFM	LFM	01/25/12 11:43	II120104-2	1	U	1.084	mg/L	108.4	70	130			
L92784-01LFMD	LFMD	01/25/12 11:46	II120104-2	1	U	1.088	mg/L	108.8	70	130	0.37	20	

Antimony, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.02		.02082	mg/L	104.1	90	110			
WG317347ICB	ICB	01/26/12 14:56				.00049	mg/L		-0.0012	0.0012			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.01		.01055	mg/L	105.5	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.1	U	.102	mg/L	102	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.1	U	.1035	mg/L	103.5	70	130	1.46	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.01	U	.00971	mg/L	97.1	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.01	U	.00988	mg/L	98.8	70	130	1.74	20	

Silver Star Resources, LLC

ACZ Project ID: **L92784**

Project ID:

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.05137	mg/L	102.7	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0015	0.0015			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05005		.05417	mg/L	108.2	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5005	.014	.5122	mg/L	99.5	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5005	.014	.5242	mg/L	101.9	70	130	2.32	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05005	.0014	.05695	mg/L	111	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05005	.0014	.05806	mg/L	113.2	70	130	1.93	20	

Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		2.0328	mg/L	101.6	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.009	0.009			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	.5		.5119	mg/L	102.4	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	.5	.034	.5277	mg/L	98.7	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	.5	.034	.5349	mg/L	100.2	85	115	1.36	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	.5	.031	.543	mg/L	102.4	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	.5	.031	.5384	mg/L	101.5	85	115	0.85	20	

Beryllium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.046	mg/L	92	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0003	0.0003			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.0501		.04883	mg/L	97.5	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.501	.021	.4667	mg/L	89	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.501	.021	.4688	mg/L	89.4	70	130	0.45	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.0501	.0176	.06539	mg/L	95.4	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.0501	.0176	.06678	mg/L	98.2	70	130	2.1	20	

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		2.002	mg/L	100.1	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.03	0.03			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	.5005		.524	mg/L	104.7	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	.5005	.03	.532	mg/L	100.3	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	.5005	.03	.547	mg/L	103.3	85	115	2.78	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	.5005	U	.527	mg/L	105.3	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	.5005	U	.516	mg/L	103.1	85	115	2.11	20	

Silver Star Resources, LLC
 Project ID:

ACZ Project ID: **L92784**

Cadmium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.05015	mg/L	100.3	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0003	0.0003			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.0501		.05201	mg/L	103.8	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.501	.01	.4857	mg/L	95	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.501	.01	.4843	mg/L	94.7	70	130	0.29	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.0501	.0267	.07537	mg/L	97.1	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.0501	.0267	.07616	mg/L	98.7	70	130	1.04	20	

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	100		95.71	mg/L	95.7	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.6	0.6			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	67.99734		68.28	mg/L	100.4	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	67.99734	88.5	154	mg/L	96.3	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	67.99734	88.5	153.6	mg/L	95.7	85	115	0.26	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	67.99734	45.4	114.1	mg/L	101	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	67.99734	45.4	113.7	mg/L	100.4	85	115	0.35	20	

Chloride

SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317213													
WG317213ICB	ICB	01/24/12 9:50				U	mg/L		-3	3			
WG317213ICV	ICV	01/24/12 9:50	WI111110-3	55.11		59.9	mg/L	108.7	90	110			
WG317213LFB1	LFB	01/24/12 10:14	WI111130-1	30.03		32.2	mg/L	107.2	90	110			
L92779-04AS	AS	01/24/12 10:22	WI111130-1	30.03	64	89.6	mg/L	85.2	90	110			M2
WG317213LFB2	LFB	01/24/12 10:23	WI111130-1	30.03		32.2	mg/L	107.2	90	110			
L92784-07AS	AS	01/24/12 10:23	WI111130-1	30.03	U	32.2	mg/L	107.2	90	110			
L92779-05DUP	DUP	01/24/12 10:31			120	126	mg/L				4.9	20	
L92788-10DUP	DUP	01/24/12 10:35			10600	10700	mg/L				0.9	20	

Chromium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.04841	mg/L	96.8	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0015	0.0015			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05005		.05154	mg/L	103	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5005	.009	.4738	mg/L	92.9	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5005	.009	.4802	mg/L	94.1	70	130	1.34	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05005	U	.04852	mg/L	96.9	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05005	U	.04885	mg/L	97.6	70	130	0.68	20	

Silver Star Resources, LLC

ACZ Project ID: **L92784**

Project ID:

Conductivity @25C

SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG316952													
WG316952LCSW1	LCSW	01/18/12 16:30	PCN38464	1408.8		1494.3	µmhos/crr	106.1	90	110			
WG316952LCSW4	LCSW	01/18/12 19:39	PCN38464	1408.8		1473	µmhos/crr	104.6	90	110			
WG316952LCSW7	LCSW	01/18/12 22:52	PCN38464	1408.8		1456.7	µmhos/crr	103.4	90	110			
L92784-03DUP	DUP	01/19/12 2:01			710	709	µmhos/crr				0.1	20	
WG316952LCSW10	LCSW	01/19/12 2:08	PCN38464	1408.8		1401.8	µmhos/crr	99.5	90	110			
L92786-04DUP	DUP	01/19/12 3:51			1120	1121	µmhos/crr				0.1	20	
WG316952LCSW13	LCSW	01/19/12 4:43	PCN38464	1408.8		1395.7	µmhos/crr	99.1	90	110			

Copper, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.04652	mg/L	93	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0015	0.0015			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05005		.04915	mg/L	98.2	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5005	U	.4298	mg/L	85.9	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5005	U	.4364	mg/L	87.2	70	130	1.52	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05005	.0306	.07463	mg/L	88	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05005	.0306	.07403	mg/L	86.8	70	130	0.81	20	

Cyanide, total

M335.4 - Colorimetric w/ distillation

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317287													
WG317287ICV	ICV	01/24/12 23:03	WI120118-1	.3		.2979	mg/L	99.3	90	110			
WG317287ICB	ICB	01/24/12 23:04				U	mg/L		-0.009	0.009			
WG317289													
WG317144LRB	LRB	01/24/12 23:40				U	mg/L		-0.009	0.009			
WG317144LFB	LFB	01/24/12 23:41	WI120118-1	.2		.2055	mg/L	102.8	90	110			
L92755-01DUP	DUP	01/24/12 23:43			U	U	mg/L				0	20	RA
L92755-03LFM	LFM	01/24/12 23:45	WI120118-1	.2	U	.1829	mg/L	91.5	90	110			
L92784-02DUP	DUP	01/24/12 23:55			U	U	mg/L				0	20	RA
L92784-03LFM	LFM	01/24/12 23:57	WI120118-1	.2	U	.0175	mg/L	8.8	90	110			M2
WG317290													
WG317214LRB	LRB	01/25/12 0:28				U	mg/L		-0.009	0.009			
WG317214LFB	LFB	01/25/12 0:29	WI120118-1	.2		.2075	mg/L	103.8	90	110			
L92784-06LFM	LFM	01/25/12 0:32	WI120118-1	.2	U	.2136	mg/L	106.8	90	110			
L92784-07DUP	DUP	01/25/12 0:33			U	U	mg/L				0	20	RA

Cyanide, WAD

SM4500-CN I-Colorimetric w/ distillation

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317287													
WG317287ICV	ICV	01/24/12 23:03	WI120118-1	.3		.2979	mg/L	99.3	90	110			
WG317287ICB	ICB	01/24/12 23:04				U	mg/L		-0.009	0.009			
WG317169LRB	LRB	01/24/12 23:05				U	mg/L		-0.009	0.009			
WG317169LFB	LFB	01/24/12 23:06	WI120118-1	.2		.1937	mg/L	96.9	90	110			
L92778-01DUP	DUP	01/24/12 23:08			U	U	mg/L				0	20	RA
L92784-01LFM	LFM	01/24/12 23:10	WI120118-1	.2	U	.1912	mg/L	95.6	90	110			

Silver Star Resources, LLC

ACZ Project ID: **L92784**

Project ID:

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317220													
WG317220ICV1	ICV	01/25/12 13:31	WC120125-	2.002		1.91	mg/L	95.4	95	105			
WG317220ICB	ICB	01/25/12 13:36				U	mg/L		-0.3	0.3			
WG317220ICV2	ICV	01/25/12 13:44	WC120125-	2.002		1.92	mg/L	95.9	95	105			
WG317220ICV3	ICV	01/25/12 13:47	WC120125-	2.002		1.91	mg/L	95.4	95	105			
WG317220ICV4	ICV	01/25/12 13:50	WC120125-	2.002		1.94	mg/L	96.9	95	105			
WG317220ICV5	ICV	01/25/12 13:54	WC120125-	2.002		1.93	mg/L	96.4	95	105			
WG317248													
WG317248ICV	ICV	01/25/12 14:44	WC120125-	2.002		1.92	mg/L	95.9	95	105			
WG317248ICB	ICB	01/25/12 14:56				U	mg/L		-0.3	0.3			
WG317248LFB1	LFB	01/25/12 15:03	WC120124-	5		4.89	mg/L	97.8	90	110			
L92784-01AS	AS	01/25/12 15:25	WC120124-	5	.1	5.2	mg/L	102	90	110			
L92784-01DUP	DUP	01/25/12 15:29			.1	U	mg/L				200	20	RA
WG317248LFB2	LFB	01/25/12 17:49	WC120124-	5		4.8	mg/L	96	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		1.963	mg/L	98.2	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.06	0.06			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	1		1.043	mg/L	104.3	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	1	U	1.025	mg/L	100.5	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	1	U	1.039	mg/L	101.9	85	115	1.36	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	1	U	1.028	mg/L	102.8	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	1	U	1.023	mg/L	102.3	85	115	0.49	20	

Iron, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317308													
WG317308ICV	ICV	01/25/12 10:29	II111213-1	2		1.941	mg/L	97.1	95	105			
WG317308ICB	ICB	01/25/12 10:35				U	mg/L		-0.06	0.06			
WG317250LRB	LRB	01/25/12 10:48				U	mg/L		-0.044	0.044			
WG317250LFB	LFB	01/25/12 10:51	II120104-2	1		1.024	mg/L	102.4	85	115			
L92784-01LFM	LFM	01/25/12 11:43	II120104-2	1	.05	1.061	mg/L	101.1	70	130			
L92784-01LFMD	LFMD	01/25/12 11:46	II120104-2	1	.05	1.076	mg/L	102.6	70	130	1.4	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.04974	mg/L	99.5	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0003	0.0003			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05005		.05187	mg/L	103.6	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5005	.001	.487	mg/L	97.1	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5005	.001	.4867	mg/L	97	70	130	0.06	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05005	U	.0513	mg/L	102.5	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05005	U	.05197	mg/L	103.8	70	130	1.3	20	

Silver Star Resources, LLC
 Project ID:

ACZ Project ID: **L92784**

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	100		99.19	mg/L	99.2	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.6	0.6			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	50.0051		50.5	mg/L	101	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	50.0051	17.1	68.18	mg/L	102.1	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	50.0051	17.1	67.69	mg/L	101.2	85	115	0.72	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	50.0051	2.6	54.3	mg/L	103.4	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	50.0051	2.6	53.84	mg/L	102.5	85	115	0.85	20	

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		1.9428	mg/L	97.1	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.015	0.015			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	.5		.5007	mg/L	100.1	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	.5	1.23	1.636	mg/L	81.2	85	115			M2
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	.5	1.23	1.65	mg/L	84	85	115	0.85	20	M2
L92784-06AS	AS	01/23/12 14:08	II120104-2	.5	U	.4993	mg/L	99.9	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	.5	U	.496	mg/L	99.2	85	115	0.66	20	

Mercury, dissolved

M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317487													
WG317487ICV	ICV	01/30/12 20:08	II120112-6	.005015		.00478	mg/L	95.3	95	105			
WG317487ICB	ICB	01/30/12 20:10				U	mg/L		-0.0002	0.0002			
WG317439													
WG317439LRB	LRB	01/30/12 23:11				U	mg/L		-0.00044	0.00044			
WG317439LFB	LFB	01/30/12 23:13	II120130-3	.002002		.00195	mg/L	97.4	85	115			
L92769-04LFM	LFM	01/30/12 23:29	II120130-3	.002002	U	.00195	mg/L	97.4	85	115			
L92769-04LFMD	LFMD	01/30/12 23:31	II120130-3	.002002	U	.00192	mg/L	95.9	85	115	1.55	20	
L92784-07LFM	LFM	01/30/12 23:57	II120130-3	.002002	U	.00198	mg/L	98.9	85	115			
L92784-07LFMD	LFMD	01/31/12 0:03	II120130-3	.002002	U	.00189	mg/L	94.4	85	115	4.65	20	

Molybdenum, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.01996		.01904	mg/L	95.4	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0015	0.0015			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.0501		.05134	mg/L	102.5	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.501	U	.4884	mg/L	97.5	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.501	U	.4907	mg/L	97.9	70	130	0.47	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.0501	U	.05064	mg/L	101.1	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.0501	U	.05159	mg/L	103	70	130	1.86	20	

Silver Star Resources, LLC

ACZ Project ID: **L92784**

Project ID:

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2.002		1.971	mg/L	98.5	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.03	0.03			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	.5		.5	mg/L	100	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	.5	.02	.516	mg/L	99.2	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	.5	.02	.518	mg/L	99.6	85	115	0.39	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	.5	U	.498	mg/L	99.6	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	.5	U	.489	mg/L	97.8	85	115	1.82	20	

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317366													
WG317366ICV	ICV	01/25/12 20:47	WI120104-7	2.416		2.387	mg/L	98.8	90	110			
WG317366ICB	ICB	01/25/12 20:49				U	mg/L		-0.06	0.06			
WG317374													
WG317374LFB1	LFB	01/25/12 23:19	WI110813-3	2		1.984	mg/L	99.2	90	110			
WG317374LFB2	LFB	01/25/12 23:53	WI110813-3	2		1.962	mg/L	98.1	90	110			
L92775-07AS	AS	01/25/12 23:56	WI110813-3	2	.19	2.387	mg/L	109.9	90	110			
L92784-01DUP	DUP	01/25/12 23:58			.04	.048	mg/L				18.2	20	RA

pH (lab)

SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG316952													
WG316952LCSW3	LCSW	01/18/12 16:45	PCN37073	6		6.05	units	100.8	98	102			
WG316952LCSW6	LCSW	01/18/12 19:54	PCN37073	6		6.06	units	101	98	102			
WG316952LCSW9	LCSW	01/18/12 23:06	PCN37073	6		6.06	units	101	98	102			
L92784-03DUP	DUP	01/19/12 2:01			7.6	7.61	units				0.1	20	
WG316952LCSW12	LCSW	01/19/12 2:24	PCN37073	6		6.06	units	101	98	102			
L92786-04DUP	DUP	01/19/12 3:51			8	8	units				0	20	
WG316952LCSW15	LCSW	01/19/12 4:59	PCN37073	6		6.06	units	101	98	102			

Phosphorus, ortho dissolved

M365.1 - Automated Ascorbic Acid

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG316982													
WG316982ICV	ICV	01/19/12 0:07	WI110520-1	.65228		.637	mg/L	97.7	90	110			
WG316982ICB	ICB	01/19/12 0:08				U	mg/L		-0.03	0.03			
WG316982LFB	LFB	01/19/12 0:10	WI120111-7	.5		.47	mg/L	94	90	110			
L92784-01AS	AS	01/19/12 0:13	WI120111-7	.5	.01	.485	mg/L	95	90	110			
L92784-02DUP	DUP	01/19/12 0:15			U	U	mg/L				0	20	RA

Silver Star Resources, LLC
 Project ID:

ACZ Project ID: **L92784**

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	20		19.87	mg/L	99.4	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.9	0.9			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	99.97161		99.38	mg/L	99.4	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	99.97161	3.8	105.7	mg/L	101.9	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	99.97161	3.8	104.6	mg/L	100.8	85	115	1.05	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	99.97161	.5	103.1	mg/L	102.6	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	99.97161	.5	102.3	mg/L	101.8	85	115	0.78	20	

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG316965													
WG316965PBW	PBW	01/18/12 16:26				U	mg/L		-20	20			
WG316965LCSW	LCSW	01/18/12 16:27	PCN38654	260		252	mg/L	96.9	80	120			
L92796-01DUP	DUP	01/18/12 16:55			3190	3210	mg/L				0.6	20	
WG317036													
WG317036PBW	PBW	01/19/12 17:20				U	mg/L		-20	20			
WG317036LCSW	LCSW	01/19/12 17:21	PCN38654	260		262	mg/L	100.8	80	120			
L92827-03DUP	DUP	01/19/12 17:49			2120	2080	mg/L				1.9	20	

Residue, Non-Filterable (TSS) @105C

SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG316967													
WG316967PBW	PBW	01/18/12 16:45				U	mg/L		-15	15			
WG316967LCSW	LCSW	01/18/12 16:46	PCN38654	160		160	mg/L	100	80	120			
L92784-04DUP	DUP	01/18/12 17:14			U	U	mg/L				0	20	RA
WG317096													
WG317096PBW	PBW	01/20/12 14:00				U	mg/L		-15	15			
WG317096LCSW	LCSW	01/20/12 14:01	PCN38654	160		170	mg/L	106.3	80	120			
L92810-05DUP	DUP	01/20/12 14:23			U	U	mg/L				0	20	RA

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.04973	mg/L	99.5	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0003	0.0003			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05005		.05516	mg/L	110.2	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5005	.007	.5164	mg/L	101.8	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5005	.007	.5192	mg/L	102.3	70	130	0.54	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05005	.0002	.06206	mg/L	123.6	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05005	.0002	.06423	mg/L	127.9	70	130	3.44	20	

Silver Star Resources, LLC
 Project ID:

ACZ Project ID: **L92784**

Silica, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	42.8		43.65	mg/L	102	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-1.2	1.2			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	21.4		23.03	mg/L	107.6	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	21.4	19	40.51	mg/L	100.5	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	21.4	19	40.9	mg/L	102.3	85	115	0.96	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	21.4	5.5	28.31	mg/L	106.6	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	21.4	5.5	28.01	mg/L	105.2	85	115	1.07	20	

Silver, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.01996		.01908	mg/L	95.6	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.00015	0.00015			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.01002		.009469	mg/L	94.5	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.1002	U	.08787	mg/L	87.7	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.1002	U	.08807	mg/L	87.9	70	130	0.23	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.01002	U	.006482	mg/L	64.7	70	130			M2 ZA
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.01002	U	.006513	mg/L	65	70	130	0.48	20	M2 ZA

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	100		100.14	mg/L	100.1	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.9	0.9			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	100.018		100	mg/L	100	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	100.018	31.4	132.9	mg/L	101.5	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	100.018	31.4	131.9	mg/L	100.5	85	115	0.76	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	100.018	5	107.9	mg/L	102.9	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	100.018	5	107.2	mg/L	102.2	85	115	0.65	20	

Sulfate

D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317343													
WG317343ICB	ICB	01/25/12 15:54				U	mg/L		-3	3			
WG317343ICV	ICV	01/25/12 15:54	WI120112-1	20		19.3	mg/L	96.5	90	110			
WG317343LFB	LFB	01/25/12 16:25	WI111111-3	10.03		10.4	mg/L	103.7	90	110			
L92778-01AS	AS	01/25/12 16:25	WI111111-3	50.15	110	149.6	mg/L	79	90	110			M3
L92763-01DUP	DUP	01/25/12 16:37			210	218	mg/L				3.7	20	
L92784-03AS	AS	01/25/12 16:40	SO4TURB50	10	340	339	mg/L	-10	90	110			M3
L92784-02DUP	DUP	01/25/12 17:34			167	136.9	mg/L				19.8	20	

Silver Star Resources, LLC

ACZ Project ID: **L92784**

Project ID:

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.0519	mg/L	103.8	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0003	0.0003			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05005		.05343	mg/L	106.8	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5005	.003	.5104	mg/L	101.4	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5005	.003	.5083	mg/L	101	70	130	0.41	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05005	.0007	.05421	mg/L	106.9	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05005	.0007	.0549	mg/L	108.3	70	130	1.26	20	

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317347													
WG317347ICV	ICV	01/26/12 14:53	MS120109-1	.05		.05113	mg/L	102.3	90	110			
WG317347ICB	ICB	01/26/12 14:56				U	mg/L		-0.0003	0.0003			
WG317347LFB	LFB	01/26/12 14:59	MS120109-3	.05		.05269	mg/L	105.4	85	115			
L92714-01AS	AS	01/26/12 15:05	MS120109-3	.5	.736	1.253	mg/L	103.4	70	130			
L92714-01ASD	ASD	01/26/12 15:08	MS120109-3	.5	.736	1.246	mg/L	102	70	130	0.56	20	
L92793-04AS	AS	01/26/12 16:17	MS120109-3	.05	.0025	.05845	mg/L	111.9	70	130			
L92793-04ASD	ASD	01/26/12 16:20	MS120109-3	.05	.0025	.05947	mg/L	113.9	70	130	1.73	20	

Vanadium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		2.0142	mg/L	100.7	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.015	0.015			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	.5		.5037	mg/L	100.7	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	.5	U	.5172	mg/L	103.4	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	.5	U	.5092	mg/L	101.8	85	115	1.56	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	.5	U	.519	mg/L	103.8	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	.5	U	.5145	mg/L	102.9	85	115	0.87	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG317138													
WG317138ICV	ICV	01/23/12 13:00	II120112-3	2		1.94	mg/L	97	95	105			
WG317138ICB	ICB	01/23/12 13:06				U	mg/L		-0.03	0.03			
WG317138LFB	LFB	01/23/12 13:18	II120104-2	.5		.508	mg/L	101.6	85	115			
L92779-01AS	AS	01/23/12 13:24	II120104-2	.5	.13	.636	mg/L	101.2	85	115			
L92779-01ASD	ASD	01/23/12 13:27	II120104-2	.5	.13	.631	mg/L	100.2	85	115	0.79	20	
L92784-06AS	AS	01/23/12 14:08	II120104-2	.5	.14	.642	mg/L	100.4	85	115			
L92784-06ASD	ASD	01/23/12 14:11	II120104-2	.5	.14	.642	mg/L	100.4	85	115	0	20	

Silver Star Resources, LLC

ACZ Project ID: L92784

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L92784-01	WG317138	Manganese, dissolved	M200.7 ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317213	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317289	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid M365.1 - Automated Ascorbic Acid	H3	Sample was received and analyzed past holding time.
	WG316967	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317343	Sulfate	D516-02 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L92784-02	WG317138	Manganese, dissolved	M200.7 ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317213	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317289	Cyanide, total	M335.4 - Colorimetric w/ distillation M335.4 - Colorimetric w/ distillation	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid M365.1 - Automated Ascorbic Acid	H3	Sample was received and analyzed past holding time.
	WG316967	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317343	Sulfate	D516-02 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Silver Star Resources, LLC

ACZ Project ID: **L92784**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L92784-03	WG317138	Manganese, dissolved	M200.7 ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317213	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317289	Cyanide, total	M335.4 - Colorimetric w/ distillation	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	H3	Sample was received and analyzed past holding time.
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L92784-04	WG316967	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317343	Sulfate	D516-02 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317138	Manganese, dissolved	M200.7 ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317347	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG317213	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317289	Cyanide, total	M335.4 - Colorimetric w/ distillation	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	H3	Sample was received and analyzed past holding time.
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316967	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317343	Sulfate	D516-02 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Silver Star Resources, LLC

ACZ Project ID: **L92784**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L92784-05	WG317138	Manganese, dissolved	M200.7 ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317347	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG317213	Chloride	SM4500Cl-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317289	Cyanide, total	M335.4 - Colorimetric w/ distillation	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317096	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317343	Sulfate	D516-02 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Silver Star Resources, LLC

ACZ Project ID: **L92784**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L92784-06	WG317347	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG317213	Chloride	SM4500Cl-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG317290	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317096	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L92784-07	WG317347	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG317290	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317248	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317374	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG316982	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317096	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317343	Sulfate	D516-02 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Silver Star Resources, LLC

ACZ Project ID: **L92784**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L92784-08	WG317290	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG317287	Cyanide, WAD	SM4500-CN I-Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Silver Star Resources, LLC

ACZ Project ID: **L92784**

No certification qualifiers associated with this analysis

Silver Star Resources, LLC

ACZ Project ID: L92784

Date Received: 01/18/2012 10:16

Received By: gac

Date Printed: 1/19/2012

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?		X	
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?	X		
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

Some parameters were received past hold time.

Contact (For any discrepancies, the client must be contacted)

The client was not contacted.

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
1648		3.2	15
3465		2.7	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Silver Star Resources, LLC

ACZ Project ID: L92784

Date Received: 01/18/2012 10:16

Received By: gac

Date Printed: 1/19/2012

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L92784-01	UG-1	Y			Y							☐
L92784-02	UG-2	Y			Y							☐
L92784-03	UG-3	Y			Y							☐
L92784-04	UG-4	Y			Y							☐
L92784-05	SW-2	Y			Y							☐
L92784-06	SW-3	Y			Y							☐
L92784-07	SW-4	Y			Y							☐
L92784-08	CNTB011012-2									X		☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac



Laboratories, Inc.

L92784

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: **Lewicki & Associates**Company: **Greg Lewicki**

E-mail:

Address: **11541 Warrington Ct****Parker, CO 80138**Telephone: **(303) 346-5196**

Copy of Report to:

Name: **John R. Trujillo**Company: **Silver Star Resources**E-mail: **jrt@trujillodevelopment.com**Telephone: **(970) 596-4082**

Invoice to:

Name: **Lewicki & Associates**

Company:

E-mail:

Address: **11541 Warrington Ct****Parker, CO 80138**

Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES

☒

NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for SDWA Compliance Monitoring?

Yes

No

☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: **John** Sampler's site information

State

CO

Zip code

81427

Time zone

Mt.

PROJECT INFORMATION

ANALYSIS REQUESTED (attach list or use quote number)

Quote #: **MINE - WATER**

Project/PO #:

Reporting state for compliance testing:

Check box if samples include NRC licensed material?

SAMPLE IDENTIFICATION

DATE/TIME

Matrix

of Containers

UG-1

01/16/12 10am

6

Yellow Rose discharge

UG-2

"

6

RV drift above YR intersection

UG-3

"

6

Atlas Drift

UG-4

"

6

RV Drift above Atlas Inter.

~~SW-1~~~~" 12 noon~~~~6~~~~no sample creek dry 1/16/12 8:12~~

SW-2

"

6

Sneffels creek upstream

SW-3

"

6

RV Lake seep

SW-4

"

6

Sneffels creek downstream

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

2 coolers with 48 bottles

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE/TIME

RECEIVED BY:

DATE/TIME

JRT 01/16/2012

3:00pm

JRT 1/16/12 10:16

FRMAD050.02.11.11

White - Return with sample.

Yellow - Retain for your records.

L92784 Chain of Custody

61 -JRT

01/16/12

Water Samples - Revenue

		Field Temp	Flow
U.G-1	Yellow Rose Drift	49°F	<10 GPM
U.G-2	Adams R.V. Drift up stream of Y.R.	53°	75 GPM
U.G-3	Atlas Drift Orange tint to water	64°F	20 GPM
U.G-4	Adams R.V. Drift up stream from Atlas	59°F	< 50 GPM

		Frozes with no flow NO	
S.W-1	Atlas Mine (stream)	11:00	
S.W-2	Snuff Creek up stream	45°F	
S.W-3	Seep	45°F	
S.W-4	Snuff Creek Down Stream	38°	700 GPM

Outside temp <20°F

windy - like snow

3-4' of snow on the ground