Appendix B

Soil and Sediment Analytical Data Packages

March 2011

Appendix B
Soil and Sediment Analytical Data Packages
FMI Sierrita Voluntary Remediation Program
(Click On Sample Number or Laboratory ID In Index To Connect To Analytical Report)

ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
L70511	CP-JS-03-0-1	L70511-01	CLEAR Plant	
	CP-JS-03-1-3	L70511-02	CLEAR Plant	
	CP-JS-03-5-7	L70511-03	CLEAR Plant	
	E-JS-02-0-1	L70511-04	E Pond	
	E-JS-02-1-3	L70511-05	E Pond	
	E-JS-01-0-1	L70511-06	E Pond	
	E-JS-01-1-3	L70511-07	E Pond	
	E-JS-01-5-7	L70511-08	E Pond	
	EV-JS-01-0-1	L70511-09	Evaporation Pond	
	EV-JS-01-1-3	L70511-10	Evaporation Pond	
L70512	CP-N08-1-3	L70512-01	CLEAR Plant	
	CP-N08-5-7	L70512-02	CLEAR Plant	
	CP-N08-10-11	L70512-03	CLEAR Plant	
	CP-O09-0-1	L70512-04	CLEAR Plant	
	CP-O09-1-3	L70512-05	CLEAR Plant	
	CP-O09-5-7	L70512-06	CLEAR Plant	
	CP-O09-10-10	L70512-07	CLEAR Plant	
	CP-O09-15-17	L70512-08	CLEAR Plant	
	CP-M04-0-1	L70512-09	CLEAR Plant	
	CP-M04-1-2.5	L70512-10	CLEAR Plant	
	CP-M04-5-5.4	L70512-11	CLEAR Plant	
	CP-003-0-1	L70512-12	CLEAR Plant	
	CP-003-1-3	L70512-13	CLEAR Plant	
	CP-M06-0-1	L70512-14	CLEAR Plant	
	CP-M06-1-3	L70512-15	CLEAR Plant	
	CP-JS-02-0-1	L70512-16	CLEAR Plant	
	CP-JS-02-1-3	L70512-17	CLEAR Plant	
	CP-N08-0-1	L70512-18	CLEAR Plant	
L70514	EV-JS-01-5-7	L70514-01	Evaporation Pond	
	EV-JS-02-0-1	L70514-02	Evaporation Pond	
	EV-JS-02-1-3	L70514-03	Evaporation Pond	
	EV-JS-02-5-7	L70514-04	Evaporation Pond	
L70543	CP-JS-01-0-1	L70543-01	CLEAR Plant	
	CP-JS-01-1-3	L70543-02	CLEAR Plant	
	CP-JS-01-5-7	L70543-03	CLEAR Plant	
	CP-JS-01-10-12	L70543-04	CLEAR Plant	
	CP-P04-0-1	L70543-05	CLEAR Plant	
	CP-P04-1-3	L70543-06	CLEAR Plant	
	CP-P05-0-1	L70543-07	CLEAR Plant	
	CP-P05-1-3	L70543-08	CLEAR Plant	

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ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
L70544	CP-SD-01-0-1.5	L70544-01	CLEAR Plant	
	CP-SD-01-1.5-3.0	L70544-02	CLEAR Plant	
	CP-SD-02-0-1.5	L70544-03	CLEAR Plant	
	CP-SD-02-1.5-3.0	L70544-04	CLEAR Plant	
	CP-SD-06-0-1.5	L70544-05	CLEAR Plant	
	CP-SD-06-1.5-3.0	L70544-06	CLEAR Plant	
	CP-SD-05-0-1.5	L70544-07	CLEAR Plant	
	CP-SD-05-1.5-3.0	L70544-08	CLEAR Plant	
	CP-SD-03-0-1.5	L70544-09	CLEAR Plant	
	CP-SD-03-1.5-3.0	L70544-10	CLEAR Plant	
L70584	CP-P07-0-1	L70584-01	CLEAR Plant	
	CP-P07-1-3	L70584-02	CLEAR Plant	
	CP-P07-5-7	L70584-03	CLEAR Plant	
	CP-SD-04-0-1.5	L70584-04	CLEAR Plant	
	CP-SD-04-1.5-3.0	L70584-05	CLEAR Plant	
L70791	CP-Q09-0-1	L70791-01	CLEAR Plant	
	CP-Q09-1-3	L70791-02	CLEAR Plant	
	CP-SD-07-0-1.5	L70791-03	CLEAR Plant	
	CP-SD-07-1.5-3.0	L70791-04	CLEAR Plant	
	CP-P12-0-1	L70791-05	CLEAR Plant	
	CP-P12-1-3	L70791-06	CLEAR Plant	
	CP-SD-08-0-1.5	L70791-07	CLEAR Plant	
	CP-SD-08-1.5-3.0	L70791-08	CLEAR Plant	
	CP-SD-10-0-1.5	L70791-09	CLEAR Plant	
	CP-SD-10-1.5-3.0	L70791-10	CLEAR Plant	
	CP-SD-09-0-1.5	L70791-11	CLEAR Plant	
	CP-SD-09-1.5-3.0	L70791-12	CLEAR Plant	
	OD-SD-01-0-1.5	L70791-13	Old D Pond	
	OD-SD-01-1.5-3.0	L70791-14	Old D Pond	
	OD-SD-02-0-1.5	L70791-15	Old D Pond	
	OD-SD-02-1.5-3.0	L70791-16	Old D Pond	
	OD-SD-04-0-1.5	L70791-17	Old D Pond	Click Here To Connect To Level IV Analytical Report
	OD-SD-04-1.5-3.0	L70791-18	Old D Pond	
	OD-SD-03-0-1.5	L70791-19	Old D Pond	
	OD-SD-03-1.5-3.0	L70791-20	Old D Pond	
L70819	OD-SD-05-0-1.5	L70819-01	Old D Pond	
	OD-SD-05-1.5-3.0	L70819-02	Old D Pond	
	OD-SD-06-0-1.5	L70819-03	Old D Pond	
	OD-SD-06-1.5-3.0	L70819-04	Old D Pond	
	OD-JS-01-0-1	L70819-05	Old D Pond	

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FMI Sierrita Voluntary Remediation Program
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ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
	OD-JS-01-1-3	L70819-06	Old D Pond	
	OD-JS-02-0-1	L70819-07	Old D Pond	
	OD-JS-02-1-3	L70819-08	Old D Pond	
	OD-JS-02-5-7	L70819-09	Old D Pond	
	EM-C22-0-1	L70819-10	Esperanza Mill	
	EM-C22-1-3	L70819-11	Esperanza Mill	
	EM-C22-5-7	L70819-12	Esperanza Mill	
	EM-E24-0-1	L70819-13	Esperanza Mill	
	EM-E24-1-3	L70819-14	Esperanza Mill	
	EM-E24-5-7	L70819-15	Esperanza Mill	
L70909	EM-H22-0-1	L70909-01	Esperanza Mill	
	EM-H22-1-3	L70909-02	Esperanza Mill	
	EM-H22-5-7	L70909-03	Esperanza Mill	
	EM-K24-0-1	L70909-04	Esperanza Mill	
	EM-K24-1-3	L70909-05	Esperanza Mill	
	EM-K24-5-7	L70909-06	Esperanza Mill	
L70948	EM-JS-01-0-1	L70948-01	Esperanza Mill	
	EM-JS-01-1-3	L70948-02	Esperanza Mill	
	EM-JS-02-0-1	L70948-03	Esperanza Mill	
	EM-JS-02-1-3	L70948-04	Esperanza Mill	
	EM-M26-0-1	L70948-05	Esperanza Mill	
	EM-M26-1-3	L70948-06	Esperanza Mill	
	EM-M26-5-7	L70948-07	Esperanza Mill	
	C-JS-01-0-1	L70948-08	C Pond	
	C-JS-01-1-3	L70948-09	C Pond	
	C-JS-02-0-1	L70948-10	C Pond	
	C-JS-02-1-3	L70948-11	C Pond	
	C-JS-02-5-7	L70948-12	C Pond	
L70949	C-JS-03-0-1	L70949-01	C Pond	
	C-JS-03-1-3	L70949-02	C Pond	
	C-JS-03-5-7	L70949-03	C Pond	
	C-JS-03-10-12	L70949-04	C Pond	
	C-JS-03-15-17	L70949-05	C Pond	
	CS-JS-01-0-1	L70949-06	C Pond Spoils	
	CS-JS-01-1-3	L70949-07	C Pond Spoils	
	CS-JS-01-5-7	L70949-08	C Pond Spoils	
	CS-JS-01-10-12	L70949-09	C Pond Spoils	
	CS-JS-02-0-1	L70949-10	C Pond Spoils	
	CS-JS-02-1-3	L70949-11	C Pond Spoils	
	CS-JS-02-5-7	L70949-12	C Pond Spoils	

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ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
	CS-JS-02-10-11	L70949-13	C Pond Spoils	
L71009	C-JS-03-0-1	L71009-01	C Pond	
	C-JS-03-1-3	L71009-02	C Pond	
	C-JS-03-5-7	L71009-03	C Pond	
	C-JS-03-10-12	L71009-04	C Pond	
	C-JS-04-0-1	L71009-05	C Pond	
	C-JS-04-1-3	L71009-06	C Pond	
	C-JS-04-5-7	L71009-07	C Pond	
	C-JS-04-10-12	L71009-08	C Pond	
	C-JS-04-15-16	L71009-09	C Pond	
	C-JS-05-0-1	L71009-10	C Pond	
	C-JS-05-1-3	L71009-11	C Pond	
L71011	CS-JS-04-0-1	L71011-01	C Pond Spoils	
	CS-JS-04-1-3	L71011-02	C Pond Spoils	
	CS-JS-04-5-7	L71011-03	C Pond Spoils	
	EM-X26-0-1	L71011-04	Esperanza Mill	
	EM-X26-1-3	L71011-05	Esperanza Mill	
	EM-X26-5-7	L71011-06	Esperanza Mill	
	EM-U25-0-1	L71011-07	Esperanza Mill	
	EM-U25-1-3	L71011-08	Esperanza Mill	
	EM-U25-5-5.5	L71011-09	Esperanza Mill	
	EM-N29-0-1	L71011-10	Esperanza Mill	
	EM-N29-1-3	L71011-11	Esperanza Mill	
L71041	EM-G27-0-1	L71041-01	Esperanza Mill	
	EM-G27-1-3	L71041-02	Esperanza Mill	
	RA-JS-04-0-1	L71041-03	Raffinate Pond	
	RA-JS-04-1-2.5	L71041-04	Raffinate Pond	
	RA-JS-03-0-1	L71041-05	Raffinate Pond	
	RA-JS-03-1-3	L71041-06	Raffinate Pond	
	RA-JS-05-0-1	L71041-07	Raffinate Pond	
	RA-JS-05-1-3	L71041-08	Raffinate Pond	
	EM-P24-0-1	L71041-09	Esperanza Mill	
	EM-P24-1-3	L71041-10	Esperanza Mill	
	EM-P24-10-11	L71041-11	Raffinate Pond	
	RA-JS-01-0-1	L71041-12	Raffinate Pond	
	RA-JS-01-1-3	L71041-13	Raffinate Pond	
	RA-JS-01-5-7	L71041-14	Raffinate Pond	
	EM-P24-5-7	L71041-15	Esperanza Mill	
L71083	RA-SD-02-0-1.5/D/MS	L71083-01	Raffinate Pond	
	RA-SD-02-1.5-3.0/D/M	L71083-02	Raffinate Pond	

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ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
	RA-SD-01-0-1.5/D/MS/	L71083-03	Raffinate Pond	
L71084	RA-SD-01-1.5-3.0/D/M	L71084-01	Raffinate Pond	
	RA-JS-02-0-1/D/MS/MS	L71084-02	Raffinate Pond	
	RA-JS-02-1-3D/MS/MS	L71084-03	Raffinate Pond	
	RA-JS-02-5-7	L71084-04	Raffinate Pond	
	RA-JS-02-5-7D	L71084-05	Raffinate Pond	
L71134	RP-JS-02-0-1	L71134-01	Rhenium Ponds	
	RP-JS-02-1-3	L71134-02	Rhenium Ponds	
	RP-JS-02-1-3D	L71134-03	Rhenium Ponds	
	RP-JS-02-5-7	L71134-04	Rhenium Ponds	
	RP-JS-02-10-12	L71134-05	Rhenium Ponds	
	RP-JS-02-15-17	L71134-06	Rhenium Ponds	
	RP-JS-01-0-1	L71134-07	Rhenium Ponds	
	RP-JS-01-1-3	L71134-08	Rhenium Ponds	
	RP-JS-01-1-3D	L71134-09	Rhenium Ponds	
	RP-JS-01-5-7	L71134-10	Rhenium Ponds	
	RP-JS-01-10-12	L71134-11	Rhenium Ponds	
	RP-JS-01-15-17	L71134-12	Rhenium Ponds	
	EM-JS-08-0-1	L71134-13	Esperanza Mill	
	EM-JS-08-1-3	L71134-14	Esperanza Mill	Click Here To Connect To Level IV Analytical Report
	EM-JS-08-1-3D	L71134-15	Esperanza Mill	
	EM-JS-08-5-7	L71134-16	Esperanza Mill	
	EM-JS-08-10-12	L71134-17	Esperanza Mill	
L71174	Equip-1	L71174-01	Equipment Blank	
L71176	EM-JS-06-0-1	L71176-01	Esperanza Mill	
	EM-JS-06-1-3	L71176-02	Esperanza Mill	
	EM-JS-06-5-7	L71176-03	Esperanza Mill	
	EM-JS-06-10-11	L71176-04	Esperanza Mill	
	EM-JS-07-0-1	L71176-05	Esperanza Mill	
	EM-JS-07-1-3	L71176-06	Esperanza Mill	
	EM-JS-07-5-7	L71176-07	Esperanza Mill	
	EM-JS-07-10-12	L71176-08	Esperanza Mill	
	EM-JS-07-15-16	L71176-09	Esperanza Mill	
L71473	CP-JS-04-0-1	L71473-01	Clear Plant	
	CP-JS-04-1-3	L71473-02	Clear Plant	
	CP-JS-04-5-7	L71473-03	Clear Plant	
	CP-JS-04-10-12	L71473-04	Clear Plant	
	CP-JS-04-15-17	L71473-05	Clear Plant	
	CP-JS-04-20	L71473-06	Clear Plant	
	OD-JS-03-0-1	L71473-07	Old D Pond	

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ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
	OD-JS-03-1-3	L71473-08	Old D Pond	
	OD-JS-03-1-3D	L71473-09	Old D Pond	
	CS-JS-05-0-1	L71473-10	C Pond Spoils	
	CS-JS-05-1-3	L71473-11	C Pond Spoils	
	CS-JS-05-1-3D	L71473-12	C Pond Spoils	
	CS-JS-06-0-1	L71473-13	C Pond Spoils	
	CS-JS-06-1-3	L71473-14	C Pond Spoils	
L71687	C-JS-05-0-1	L71687-01	C Pond	SPLP Lead
	C-JS-05-1-3	L71687-02	C Pond	SPLP Lead
	EM-JS-07-10-12	L71687-03	Esperanza Mill	Hexavalent Chromium
	EM-JS-07-15-16	L71687-04	Esperanza Mill	Hexavalent Chromium
	EM-JS-08-5-7	L71687-05	Esperanza Mill	SPLP Lead
	EM-JS-08-10-12	L71687-06	Esperanza Mill	SPLP Lead Hexavalent Chromium
L71753	RA-JS-02-1-3	L71753-01	Raffinate Pond	SPLP Lead
	RA-JS-02-5-7	L71753-02	Raffinate Pond	Hexavalent Chromium
	RA-JS-02-5-7D	L71753-03	Raffinate Pond	Hexavalent Chromium
L72198	ET-SB01-0-20	L72198-01	Esperanza Tailing	
	ET-SB01-20-40	L72198-02	Esperanza Tailing	
	ET-SB01-40-60	L72198-03	Esperanza Tailing	
	ET-SB01-60-80	L72198-04	Esperanza Tailing	
	ET-SB01-80-100	L72198-05	Esperanza Tailing	
	ET-SB02-0-20	L72198-06	Esperanza Tailing	
	ET-SB02-20-40	L72198-07	Esperanza Tailing	
	ET-SB02-40-50	L72198-08	Esperanza Tailing	
	ET-SB02-50-60	L72198-09	Esperanza Tailing	
	ET-SB02-60-80	L72198-10	Esperanza Tailing	
	ET-SB02-80-100	L72198-11	Esperanza Tailing	
	ST-SB01-200-220	L72198-12	Esperanza Tailing	
	ST-SB01-220-235.5	L72198-13	Esperanza Tailing	
	ST-SB01-237-255.5	L72198-14	Esperanza Tailing	
L72199	ST-SB01-0-20	L72199-01	Sierrita Tailing	
	ST-SB01-20-40	L72199-02	Sierrita Tailing	
	ST-SB01-40-60	L72199-03	Sierrita Tailing	
	ST-SB01-60-80	L72199-04	Sierrita Tailing	
	ST-SB01-80-100	L72199-05	Sierrita Tailing	
	ST-SB01-100-120	L72199-06	Sierrita Tailing	
	ST-SB01-120-140	L72199-07	Sierrita Tailing	
	ST-SB01-140-160	L72199-08	Sierrita Tailing	
	ST-SB01-160-180	L72199-09	Sierrita Tailing	

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ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
	ST-SB01-180-200	L72199-10	Sierrita Tailing	
L72200	Roll-Off Bins 885-91	L72200-01		
L72397	ST-SB03-200-210	L72397-01	Sierrita Tailing	
	ST-SB04-0-20	L72397-02	Sierrita Tailing	
	ST-SB04-20-40	L72397-03	Sierrita Tailing	
	ST-SB04-40-60	L72397-04	Sierrita Tailing	
	ST-SB04-60-80	L72397-05	Sierrita Tailing	
	ST-SB04-80-100	L72397-06	Sierrita Tailing	
	ST-SB04-100-120	L72397-07	Sierrita Tailing	
	ST-SB04-120-140	L72397-08	Sierrita Tailing	
	ST-SB03-0-20	L72397-09	Sierrita Tailing	
	ST-SB03-20-40	L72397-10	Sierrita Tailing	
	ST-SB03-40-60	L72397-11	Sierrita Tailing	
	ST-SB03-60-80	L72397-12	Sierrita Tailing	
	ST-SB03-80-100	L72397-13	Sierrita Tailing	
	ST-SB03-100-120	L72397-14	Sierrita Tailing	
	ST-SB03-120-140	L72397-15	Sierrita Tailing	
	ST-SB03-140-160	L72397-16	Sierrita Tailing	
	ST-SB03-160-180	L72397-17	Sierrita Tailing	
	ST-SB03-180-200	L72397-18	Sierrita Tailing	
L72452	RA-SD-02-0-1.5D	L72452-01	Raffinate Pond	
	RA-SD-02-1.5-3.0D	L72452-02	Raffinate Pond	
	RA-SD-01-0-1.5D	L72452-03	Raffinate Pond	
	RA-SD-01-1.5-3.0D	L72452-04	Raffinate Pond	
	RA-JS-02-0-1D	L72452-05	Raffinate Pond	
	RA-JS-02-1-3D	L72452-06	Raffinate Pond	
L72871	ST-SB06-0-20	L72871-01	Sierrita Tailing	
	ST-SB06-20-40	L72871-02	Sierrita Tailing	
	ST-SB06-40-60	L72871-03	Sierrita Tailing	
	ST-SB06-60-80	L72871-04	Sierrita Tailing	
	ST-SB06-80-100	L72871-05	Sierrita Tailing	
	ST-SB06-100-120	L72871-06	Sierrita Tailing	
	ST-SB06-120-140	L72871-07	Sierrita Tailing	
	ST-SB06-140-160	L72871-08	Sierrita Tailing	
	ST-SB06-160-180	L72871-09	Sierrita Tailing	
	ST-SB06-180-200	L72871-10	Sierrita Tailing	
	ST-SB06-200-220	L72871-11	Sierrita Tailing	
	ST-SB06-220-240	L72871-12	Sierrita Tailing	
	ST-SB06-240-260	L72871-13	Sierrita Tailing	
	ST-SB06-260-280	L72871-14	Sierrita Tailing	

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FMI Sierrita Voluntary Remediation Program
(Click On Sample Number or Laboratory ID In Index To Connect To Analytical Report)

ACZ Project No.	Sample No.	ACZ Lab ID	Site Location	Additional Analysis
	ST-SB06-280-300	L72871-15	Sierrita Tailing	Click Here To Connect To Level IV Analytical Report
	ST-SB06-300-320	L72871-16	Sierrita Tailing	
	ST-SB06-200-320D	L72871-17	Sierrita Tailing	
	ST-SB06-260-280MSD	L72871-18	Sierrita Tailing	
L73011	EM-JS-02-1-3	L73011-01	Esperanza Mill	SPLP Lead
	CS-JS-01-0-1	L73011-02	C Pond Spoils	Hexavalent Chromium
	CS-JS-02-10-11	L73011-03	C Pond Spoils	SPLP Lead
	EM-JS-08-5-7	L73011-04	Esperanza Mill	Hexavalent Chromium
L73087	ST-SB03-160-180Dup	L73087-01	Sierrita Tailing	
	ST-SB04-100-120DUP	L73087-02	Sierrita Tailing	
	ET-SB02-60-80 DUP	L73087-03	Esperanza Tailing	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 01, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70511

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 16, 2008. This project has been assigned to ACZ's project number, L70511. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70511. 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 September 01, 2008. 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.

Sue Webber has reviewed and approved this report.

FMI Gold Copper - Sierrita

August 01, 2008

Project ID: OJ07R9
ACZ Project ID: L70511

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 10 soil samples from FMI Gold & Copper - Sierrita on July 16, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70511. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following anomaly required further explanation not provided by the Extended Qualifier Report:

1. For Arsenic and Selenium LCSS/LCSSD values flagged with an "E6" in the QC Summary, one of the internal standards was out of control limits. No further action was taken since the LCSS samples were within control limits.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-03-0-1

ACZ Sample ID: ***L70511-01***
Date Sampled: *07/14/08 09:00*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 17:27	msh
Arsenic, total (3050)	M6020 ICP-MS	3.3			mg/Kg	0.3	0.5	07/29/08 17:27	msh
Barium, total (3050)	M6010B ICP	164		*	mg/Kg	0.3	2	07/23/08 23:24	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	07/23/08 23:24	aeh
Cadmium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.5	2	07/23/08 23:24	aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/23/08 23:24	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/23/08 23:24	aeh
Copper, total (3050)	M6010B ICP	1700		*	mg/Kg	1	5	07/23/08 23:24	aeh
Lead, total (3050)	M6020 ICP-MS	24.50			mg/Kg	0.05	0.3	07/29/08 17:27	msh
Manganese, total (3050)	M6010B ICP	456		*	mg/Kg	0.5	3	07/23/08 23:24	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:07	jws
Molybdenum, total (3050)	M6010B ICP	75		*	mg/Kg	1	5	07/23/08 23:24	aeh
Nickel, total (3050)	M6010B ICP	15		*	mg/Kg	1	5	07/23/08 23:24	aeh
Selenium, total (3050)	M6020 ICP-MS	0.67		*	mg/Kg	0.05	0.3	07/31/08 8:08	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.29	B	*	mg/Kg	0.05	0.3	07/29/08 17:27	msh
Uranium, total (3050)	M6020 ICP-MS	4.29		*	mg/Kg	0.05	0.3	07/29/08 17:27	msh
Zinc, total (3050)	M6010B ICP	158			mg/Kg	1	5	07/23/08 23:24	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.9		*	%	0.1	0.5	07/16/08 17:32	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 16:30	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/19/08 4:04	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:00	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-03-1-3

ACZ Sample ID: ***L70511-02***
Date Sampled: *07/14/08 09:00*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 17:40	msh
Arsenic, total (3050)	M6020 ICP-MS	2.0			mg/Kg	0.3	0.5	07/29/08 17:40	msh
Barium, total (3050)	M6010B ICP	189		*	mg/Kg	0.3	2	07/23/08 23:39	aeh
Beryllium, total (3050)	M6010B ICP	0.2	B		mg/Kg	0.2	1	07/23/08 23:39	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/23/08 23:39	aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	07/23/08 23:39	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	07/23/08 23:39	aeh
Copper, total (3050)	M6010B ICP	888		*	mg/Kg	1	5	07/23/08 23:39	aeh
Lead, total (3050)	M6020 ICP-MS	13.00			mg/Kg	0.05	0.3	07/29/08 17:40	msh
Manganese, total (3050)	M6010B ICP	456		*	mg/Kg	0.5	3	07/23/08 23:39	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:14	jws
Molybdenum, total (3050)	M6010B ICP	20		*	mg/Kg	1	5	07/23/08 23:39	aeh
Nickel, total (3050)	M6010B ICP	15		*	mg/Kg	1	5	07/23/08 23:39	aeh
Selenium, total (3050)	M6020 ICP-MS	0.31		*	mg/Kg	0.05	0.3	07/31/08 8:22	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	07/29/08 17:40	msh
Uranium, total (3050)	M6020 ICP-MS	3.96		*	mg/Kg	0.05	0.3	07/29/08 17:40	msh
Zinc, total (3050)	M6010B ICP	129			mg/Kg	1	5	07/23/08 23:39	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.4		*	%	0.1	0.5	07/16/08 18:35	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 16:36	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/19/08 19:08	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:03	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-03-5-7

ACZ Sample ID: ***L70511-03***
Date Sampled: *07/14/08 09:07*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 18:00	msh
Arsenic, total (3050)	M6020 ICP-MS	2.0			mg/Kg	0.3	0.5	07/29/08 18:00	msh
Barium, total (3050)	M6010B ICP	205		*	mg/Kg	0.3	2	07/23/08 23:42	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/23/08 23:42	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/23/08 23:42	aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/23/08 23:42	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/23/08 23:42	aeh
Copper, total (3050)	M6010B ICP	1680		*	mg/Kg	1	5	07/23/08 23:42	aeh
Lead, total (3050)	M6020 ICP-MS	5.98			mg/Kg	0.05	0.3	07/29/08 18:00	msh
Manganese, total (3050)	M6010B ICP	496		*	mg/Kg	0.5	3	07/23/08 23:42	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:17	jws
Molybdenum, total (3050)	M6010B ICP	26		*	mg/Kg	1	5	07/23/08 23:42	aeh
Nickel, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	07/23/08 23:42	aeh
Selenium, total (3050)	M6020 ICP-MS	0.44			mg/Kg	0.05	0.3	07/29/08 18:00	msh
Thallium, total (3050)	M6020 ICP-MS	0.49		*	mg/Kg	0.05	0.3	07/29/08 18:00	msh
Uranium, total (3050)	M6020 ICP-MS	5.27		*	mg/Kg	0.05	0.3	07/29/08 18:00	msh
Zinc, total (3050)	M6010B ICP	78			mg/Kg	1	5	07/23/08 23:42	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.6		*	%	0.1	0.5	07/16/08 19:38	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 16:43	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/20/08 10:12	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:07	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: E-JS-02-0-1

ACZ Sample ID: ***L70511-04***
Date Sampled: *07/14/08 10:33*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	07/29/08 18:20	msh
Arsenic, total (3050)	M6020 ICP-MS	3.0			mg/Kg	0.3	0.5	07/29/08 18:20	msh
Barium, total (3050)	M6010B ICP	183		*	mg/Kg	0.3	2	07/23/08 23:46	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	07/23/08 23:46	aeh
Cadmium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.5	2	07/23/08 23:46	aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/23/08 23:46	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/23/08 23:46	aeh
Copper, total (3050)	M6010B ICP	1160		*	mg/Kg	1	5	07/23/08 23:46	aeh
Lead, total (3050)	M6020 ICP-MS	83.50			mg/Kg	0.05	0.3	07/29/08 18:20	msh
Manganese, total (3050)	M6010B ICP	408		*	mg/Kg	0.5	3	07/23/08 23:46	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:19	jws
Molybdenum, total (3050)	M6010B ICP	138		*	mg/Kg	1	5	07/23/08 23:46	aeh
Nickel, total (3050)	M6010B ICP	15		*	mg/Kg	1	5	07/23/08 23:46	aeh
Selenium, total (3050)	M6020 ICP-MS	0.57			mg/Kg	0.05	0.3	07/29/08 18:20	msh
Thallium, total (3050)	M6020 ICP-MS	0.21	B	*	mg/Kg	0.05	0.3	07/29/08 18:20	msh
Uranium, total (3050)	M6020 ICP-MS	3.62		*	mg/Kg	0.05	0.3	07/29/08 18:20	msh
Zinc, total (3050)	M6010B ICP	98			mg/Kg	1	5	07/23/08 23:46	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.3		*	%	0.1	0.5	07/16/08 21:44	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 16:50	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/20/08 15:14	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:11	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: E-JS-02-1-3

ACZ Sample ID: ***L70511-05***
Date Sampled: *07/14/08 10:33*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 18:27	msh
Arsenic, total (3050)	M6020 ICP-MS	4.0			mg/Kg	0.3	0.5	07/29/08 18:27	msh
Barium, total (3050)	M6010B ICP	75.1		*	mg/Kg	0.3	2	07/23/08 23:56	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	07/23/08 23:56	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/23/08 23:56	aeh
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/23/08 23:56	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/23/08 23:56	aeh
Copper, total (3050)	M6010B ICP	1290		*	mg/Kg	1	5	07/23/08 23:56	aeh
Lead, total (3050)	M6020 ICP-MS	10.20			mg/Kg	0.05	0.3	07/29/08 18:27	msh
Manganese, total (3050)	M6010B ICP	719		*	mg/Kg	0.5	3	07/23/08 23:56	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:22	jws
Molybdenum, total (3050)	M6010B ICP	98		*	mg/Kg	1	5	07/23/08 23:56	aeh
Nickel, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	07/23/08 23:56	aeh
Selenium, total (3050)	M6020 ICP-MS	0.67			mg/Kg	0.05	0.3	07/29/08 18:27	msh
Thallium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.05	0.3	07/29/08 18:27	msh
Uranium, total (3050)	M6020 ICP-MS	9.68		*	mg/Kg	0.05	0.3	07/29/08 18:27	msh
Zinc, total (3050)	M6010B ICP	87			mg/Kg	1	5	07/23/08 23:56	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.6		*	%	0.1	0.5	07/16/08 22:46	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 16:57	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/20/08 20:15	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:15	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: E-JS-01-0-1

ACZ Sample ID: ***L70511-06***
Date Sampled: *07/14/08 10:58*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	07/29/08 18:34	msh
Arsenic, total (3050)	M6020 ICP-MS	2.9			mg/Kg	0.3	0.5	07/29/08 18:34	msh
Barium, total (3050)	M6010B ICP	146		*	mg/Kg	0.3	2	07/24/08 0:00	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/24/08 0:00	aeh
Cadmium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.5	2	07/24/08 0:00	aeh
Chromium, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	07/24/08 0:00	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/24/08 0:00	aeh
Copper, total (3050)	M6010B ICP	2650		*	mg/Kg	1	5	07/24/08 0:00	aeh
Lead, total (3050)	M6020 ICP-MS	22.90			mg/Kg	0.05	0.3	07/29/08 18:34	msh
Manganese, total (3050)	M6010B ICP	369		*	mg/Kg	0.5	3	07/24/08 0:00	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:29	jws
Molybdenum, total (3050)	M6010B ICP	104		*	mg/Kg	1	5	07/24/08 0:00	aeh
Nickel, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/24/08 0:00	aeh
Selenium, total (3050)	M6020 ICP-MS	0.78			mg/Kg	0.05	0.3	07/29/08 18:34	msh
Thallium, total (3050)	M6020 ICP-MS	0.17	B	*	mg/Kg	0.05	0.3	07/29/08 18:34	msh
Uranium, total (3050)	M6020 ICP-MS	3.11		*	mg/Kg	0.05	0.3	07/29/08 18:34	msh
Zinc, total (3050)	M6010B ICP	197			mg/Kg	1	5	07/24/08 0:00	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.2		*	%	0.1	0.5	07/16/08 23:49	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:03	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/21/08 1:17	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:18	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: E-JS-01-1-3

ACZ Sample ID: ***L70511-07***
Date Sampled: *07/14/08 10:58*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	07/29/08 18:40	msh
Arsenic, total (3050)	M6020 ICP-MS	2.5			mg/Kg	0.3	0.5	07/29/08 18:40	msh
Barium, total (3050)	M6010B ICP	122		*	mg/Kg	0.3	2	07/24/08 0:03	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/24/08 0:03	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/24/08 0:03	aeh
Chromium, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	07/24/08 0:03	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/24/08 0:03	aeh
Copper, total (3050)	M6010B ICP	1810		*	mg/Kg	1	5	07/24/08 0:03	aeh
Lead, total (3050)	M6020 ICP-MS	19.10			mg/Kg	0.05	0.3	07/29/08 18:40	msh
Manganese, total (3050)	M6010B ICP	327		*	mg/Kg	0.5	3	07/24/08 0:03	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:32	jws
Molybdenum, total (3050)	M6010B ICP	79		*	mg/Kg	1	5	07/24/08 0:03	aeh
Nickel, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/24/08 0:03	aeh
Selenium, total (3050)	M6020 ICP-MS	0.59			mg/Kg	0.05	0.3	07/29/08 18:40	msh
Thallium, total (3050)	M6020 ICP-MS	0.13	B	*	mg/Kg	0.05	0.3	07/29/08 18:40	msh
Uranium, total (3050)	M6020 ICP-MS	3.04		*	mg/Kg	0.05	0.3	07/29/08 18:40	msh
Zinc, total (3050)	M6010B ICP	165			mg/Kg	1	5	07/24/08 0:03	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.8		*	%	0.1	0.5	07/17/08 0:52	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:10	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/21/08 6:18	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:22	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: E-JS-01-5-7

ACZ Sample ID: ***L70511-08***
Date Sampled: *07/14/08 11:11*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 18:47	msh
Arsenic, total (3050)	M6020 ICP-MS	2.0			mg/Kg	0.3	0.5	07/29/08 18:47	msh
Barium, total (3050)	M6010B ICP	203		*	mg/Kg	0.3	2	07/24/08 0:07	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	07/24/08 0:07	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/24/08 0:07	aeh
Chromium, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	07/24/08 0:07	aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	07/24/08 0:07	aeh
Copper, total (3050)	M6010B ICP	1510		*	mg/Kg	1	5	07/24/08 0:07	aeh
Lead, total (3050)	M6020 ICP-MS	6.62			mg/Kg	0.05	0.3	07/29/08 18:47	msh
Manganese, total (3050)	M6010B ICP	182		*	mg/Kg	0.5	3	07/24/08 0:07	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:34	jws
Molybdenum, total (3050)	M6010B ICP	246		*	mg/Kg	1	5	07/24/08 0:07	aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	07/24/08 0:07	aeh
Selenium, total (3050)	M6020 ICP-MS	0.42			mg/Kg	0.05	0.3	07/29/08 18:47	msh
Thallium, total (3050)	M6020 ICP-MS	0.12	B	*	mg/Kg	0.05	0.3	07/29/08 18:47	msh
Uranium, total (3050)	M6020 ICP-MS	2.90		*	mg/Kg	0.05	0.3	07/29/08 18:47	msh
Zinc, total (3050)	M6010B ICP	134			mg/Kg	1	5	07/24/08 0:07	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.8		*	%	0.1	0.5	07/17/08 1:55	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:17	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/21/08 11:20	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:26	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EV-JS-01-0-1

ACZ Sample ID: ***L70511-09***
Date Sampled: *07/14/08 13:52*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	1.1		*	mg/Kg	0.2	1	07/29/08 18:54	msh
Arsenic, total (3050)	M6020 ICP-MS	9.9			mg/Kg	0.3	0.5	07/29/08 18:54	msh
Barium, total (3050)	M6010B ICP	122		*	mg/Kg	0.3	2	07/24/08 0:10	aeh
Beryllium, total (3050)	M6010B ICP	0.2	B		mg/Kg	0.2	1	07/24/08 0:10	aeh
Cadmium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.5	2	07/24/08 0:10	aeh
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/24/08 0:10	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/24/08 0:10	aeh
Copper, total (3050)	M6010B ICP	3380		*	mg/Kg	1	5	07/24/08 0:10	aeh
Lead, total (3050)	M6020 ICP-MS	196			mg/Kg	0.05	0.3	07/29/08 18:54	msh
Manganese, total (3050)	M6010B ICP	208		*	mg/Kg	0.5	3	07/24/08 0:10	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:36	jws
Molybdenum, total (3050)	M6010B ICP	547		*	mg/Kg	1	5	07/24/08 0:10	aeh
Nickel, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/24/08 0:10	aeh
Selenium, total (3050)	M6020 ICP-MS	3.43			mg/Kg	0.05	0.3	07/29/08 18:54	msh
Thallium, total (3050)	M6020 ICP-MS	0.40		*	mg/Kg	0.05	0.3	07/29/08 18:54	msh
Uranium, total (3050)	M6020 ICP-MS	4.26		*	mg/Kg	0.05	0.3	07/29/08 18:54	msh
Zinc, total (3050)	M6010B ICP	100			mg/Kg	1	5	07/24/08 0:10	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.2		*	%	0.1	0.5	07/17/08 2:58	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:24	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/21/08 16:21	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:30	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EV-JS-01-1-3

ACZ Sample ID: ***L70511-10***
Date Sampled: *07/14/08 13:52*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	07/29/08 19:00	msh
Arsenic, total (3050)	M6020 ICP-MS	5.7			mg/Kg	0.3	0.5	07/29/08 19:00	msh
Barium, total (3050)	M6010B ICP	213		*	mg/Kg	0.3	2	07/24/08 0:14	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/24/08 0:14	aeh
Cadmium, total (3050)	M6010B ICP	1.6	B		mg/Kg	0.5	2	07/24/08 0:14	aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	07/24/08 0:14	aeh
Cobalt, total (3050)	M6010B ICP	15		*	mg/Kg	1	5	07/24/08 0:14	aeh
Copper, total (3050)	M6010B ICP	5440		*	mg/Kg	1	5	07/24/08 0:14	aeh
Lead, total (3050)	M6020 ICP-MS	73.80			mg/Kg	0.05	0.3	07/29/08 19:00	msh
Manganese, total (3050)	M6010B ICP	402		*	mg/Kg	0.5	3	07/24/08 0:14	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:38	jws
Molybdenum, total (3050)	M6010B ICP	258		*	mg/Kg	1	5	07/24/08 0:14	aeh
Nickel, total (3050)	M6010B ICP	18		*	mg/Kg	1	5	07/24/08 0:14	aeh
Selenium, total (3050)	M6020 ICP-MS	1.85			mg/Kg	0.05	0.3	07/29/08 19:00	msh
Thallium, total (3050)	M6020 ICP-MS	0.44		*	mg/Kg	0.05	0.3	07/29/08 19:00	msh
Uranium, total (3050)	M6020 ICP-MS	7.05		*	mg/Kg	0.05	0.3	07/29/08 19:00	msh
Zinc, total (3050)	M6010B ICP	224			mg/Kg	1	5	07/24/08 0:14	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.7		*	%	0.1	0.5	07/17/08 4:00	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:30	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							07/21/08 21:22	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:33	brd/lwt

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70511***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.02006		.02021	mg/L	100.7	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0012	0.0012			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.6	0.6			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	101		104.3	mg/Kg		16.7	185			
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	101		109.8	mg/Kg		16.7	185	5.1	20	
L70511-02MS	MS	07/29/08 17:47	MS080707-3	5.05	U	1.9	mg/Kg	37.6	75	125			M2
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	5.05	U	1.84	mg/Kg	36.4	75	125	3.21	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.04902	mg/L	98	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0015	0.0015			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.9	0.9			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	156		145.7	mg/Kg		124	188			E6
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	156		152.6	mg/Kg		124	188	4.6	20	E6
L70511-02MS	MS	07/29/08 17:47	MS080707-3	25.25	2	23.77	mg/Kg	86.2	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	25.25	2	22.25	mg/Kg	80.2	75	125	6.61	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		2.0147	mg/L	100.7	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.009	0.009			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-0.9	0.9			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	362		354.13	mg/Kg		299	424			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	362		361.56	mg/Kg		299	424	2.1	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	164	220.05	mg/Kg	111	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	164	240.05	mg/Kg	150.6	75	125	8.69	20	M3

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9802	mg/L	99	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.006	0.006			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-0.6	0.6			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	140		137.02	mg/Kg		115	166			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	140		143.06	mg/Kg		115	166	4.3	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	.3	53.71	mg/Kg	105.8	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	.3	55.11	mg/Kg	108.5	75	125	2.57	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70511***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9511	mg/L	97.6	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.015	0.015			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-1.5	1.5			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	141		135.08	mg/Kg		114	169			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	141		142.05	mg/Kg		114	169	5	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	.7	52.14	mg/Kg	101.9	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	.7	53.08	mg/Kg	103.7	75	125	1.79	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		2.009	mg/L	100.5	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	76.3		75.8	mg/Kg		61.5	91			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	76.3		78.7	mg/Kg		61.5	91	3.8	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	7	58	mg/Kg	101	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	7	58.7	mg/Kg	102.4	75	125	1.2	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9	mg/L	95	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	83.9		80.4	mg/Kg		68.1	99.7			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	83.9		83.3	mg/Kg		68.1	99.7	3.5	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	11	61.7	mg/Kg	100.4	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	11	62.9	mg/Kg	102.8	75	125	1.93	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.916	mg/L	95.8	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	77.2		73.8	mg/Kg		62.9	91.5			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	77.2		77.7	mg/Kg		62.9	91.5	5.1	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	1700	1876.9	mg/Kg	350.3	75	125			M3
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	1700	1996.2	mg/Kg	586.5	75	125	6.16	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70511***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.04893	mg/L	97.9	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	72.9		68.1	mg/Kg		56.5	89.2			
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	72.9		67.45	mg/Kg		56.5	89.2	1	20	
L70511-02MS	MS	07/29/08 17:47	MS080707-3	25.25	13	34.486	mg/Kg	85.1	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	25.25	13	34.547	mg/Kg	85.3	75	125	0.18	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9811	mg/L	99.1	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.015	0.015			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-1.5	1.5			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	466		450.78	mg/Kg		379	552			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	466		467.84	mg/Kg		379	552	3.7	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	456	575.18	mg/Kg	236	75	125			M3
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	456	566.67	mg/Kg	219.1	75	125	1.49	20	M3

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248481													
WG248481ICV	ICV	07/21/08 19:56	II080721-4	.01002		.01011	mg/L	100.9	90	110			
WG248481ICB	ICB	07/21/08 19:58				U	mg/L		-0.0006	0.0006			
WG248481PBS	PBS	07/21/08 20:01				U	mg/Kg		-0.12	0.12			
WG248481LCSS	LCSS	07/21/08 20:03	PCN28813	5.8		6.29	mg/Kg		3.83	7.69			
WG248481LCSSD	LCSSD	07/21/08 20:05	PCN28813	5.8		5.85	mg/Kg		3.83	7.69	7.2	20	
L70511-01MS	MS	07/21/08 20:10	II080701-4	.95	U	.969	mg/Kg	102	85	115			
L70511-01MSD	MSD	07/21/08 20:12	II080701-4	.95	U	.968	mg/Kg	101.9	85	115	0.1	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		2.013	mg/L	100.7	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	1700		177.4	mg/Kg		132	208			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	1700		179.6	mg/Kg		132	208	1.2	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	75	129.5	mg/Kg	107.9	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	75	141.2	mg/Kg	131.1	75	125	8.64	20	MA

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Project ID: OJ07R9

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.909	mg/L	95.5	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	84.3		86.2	mg/Kg		66.3	102			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	84.3		90.5	mg/Kg		66.3	102	4.9	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	15	71.1	mg/Kg	111.1	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	15	69.9	mg/Kg	108.7	75	125	1.7	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.05202	mg/L	104	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				.06	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	198		196.1	mg/Kg		152	244			E6
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	198		204.45	mg/Kg		152	244	4.2	20	E6
L70511-02MS	MS	07/29/08 17:47	MS080707-3	12.625	.3	11.115	mg/Kg	85.7	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	12.625	.3	10.883	mg/Kg	83.8	75	125	2.11	20	
WG249115													
WG249115ICV	ICV	07/31/08 7:12	MS080722-4	.05		.05154	mg/L	103.1	90	110			
WG249115ICB	ICB	07/31/08 7:19				.00012	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/31/08 7:47				.116	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/31/08 7:54	PCN30060	198		190.95	mg/Kg		152	244			
WG248368LCSSD	LCSSD	07/31/08 8:01	PCN30060	198		197.55	mg/Kg		152	244	3.4	20	
L70511-02MS	MS	07/31/08 8:29	MS080707-3	12.625	.31	11.464	mg/Kg	88.3	75	125			
L70511-02MSD	MSD	07/31/08 8:36	MS080707-3	12.625	.31	12.393	mg/Kg	95.7	75	125	7.79	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248223													
WG248223PBS	PBS	07/16/08 16:30				U	%		99.9	100.1			
L70511-03DUP	DUP	07/16/08 20:41			95.6	95.45	%				0.2	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.05263	mg/L	105.3	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	218		207.2	mg/Kg		177	260			
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	218		220.05	mg/Kg		177	260	6	20	
L70511-02MS	MS	07/29/08 17:47	MS080707-3	25.3005	.22	23.079	mg/Kg	90.3	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	25.3005	.22	22.271	mg/Kg	87.2	75	125	3.56	20	

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Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.0488	mg/L	97.6	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.15	0.15			
L70511-02MS	MS	07/29/08 17:47	MS080707-3	12.625	3.96	14.903	mg/Kg	86.7	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	12.625	3.96	15.261	mg/Kg	89.5	75	125	2.37	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.961	mg/L	98.1	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	204		201.2	mg/Kg		166	243			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	204		201.9	mg/Kg		166	243	0.3	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	158	216.2	mg/Kg	115.2	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	158	219.5	mg/Kg	121.8	75	125	1.51	20	

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70511-01	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249115	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70511-02	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249115	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70511-03	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70511-04	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70511-05	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70511-06	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70511-07	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70511-08	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70511-09	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70511-10	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70511
Date Received: 7/16/2008
Received By:
Date Printed: 7/16/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1549	3.3	17

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70511
Date Received: 7/16/2008
Received By:

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
L70511-01	CP-JS-03-0-1									X		
L70511-02	CP-JS-03-1-3									X		
L70511-03	CP-JS-03-5-7									X		
L70511-04	E-JS-02-0-1									X		
L70511-05	E-JS-02-1-3									X		
L70511-06	E-JS-01-0-1									X		
L70511-07	E-JS-01-1-3									X		
L70511-08	E-JS-01-5-7									X		
L70511-09	EV-JS-01-0-1									X		
L70511-10	EV-JS-01-1-3									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: _____

ACZ Laboratories, Inc. L70511

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI-Sierrita
E-mail: Ned_Hall@fmi.com
Address: 6200 W. Duval Mine Rd. P.O. Box 527 Green Valley, AZ
Telephone: (520) 648-8857

Copy of Report to:

Name:
Company:
E-mail: Steven_Vaughn@kinross.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI-Sierrita
E-mail: Ned-Hall@fmi.com
Address: 6200 W. Duval Mine Road Green Valley, AZ P.O. Box 527
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.

PROJECT INFORMATION

Quote #:
Project/PO #: OJ0 7R9
Reporting state for compliance testing:
Sampler's Name: Armando Juarez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached Quote 7/8/2008
CP-JS-03-0-1	7-14-08 : 0900	SO	1	
CP-JS-03-1-3	7-14-08 : 0900		1	
CP-JS-03-5-7	7-14-08 : 0907		1	
E-JS-02-0-1	7-14-08 1033		1	
E-JS-02-1-3	7-14-08 1033		1	
E-JS-01-0-1	7-14-08 1058		1	
E-JS-01-1-3	7-14-08 1058		1	
E-JS-01-5-7	7-14-08 1111		1	
EV-JS-01-0-1	7-14-08 1352		1	
EV-JS-01-1-3	7-14-08 1352		1	

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

REMARKS/ SAMPLE DISCLOSURES

Fed ex 7989 7994 2410

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A-J	7-14-08 : 1540	To Fed Ex	
		WPL	7-16-08 10:25

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01 D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 26, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70512

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 16, 2008. This project has been assigned to ACZ's project number, L70512. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70512. 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 September 26, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

August 26, 2008

Project ID: OJ07R9
ACZ Project ID: L70512

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 18 soil samples from FMI Gold & Copper - Sierrita on July 16, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70512. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Selenium data has been qualified with the N1 flag. The chemist noted that the ICSA samples failed biased high. The values in the samples are greater than 10 times that in the ICSA (0.00066 mg/L).

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-N08-1-3

ACZ Sample ID: ***L70512-01***
Date Sampled: *07/11/08 13:55*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.6	B	*	mg/Kg	0.2	1	08/15/08 20:53	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	7.5			mg/Kg	0.3	0.5	08/15/08 0:50	erf/msh
Barium, total (3050)	M6010B ICP	188		*	mg/Kg	0.3	2	08/04/08 14:53	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B	*	mg/Kg	0.2	1	08/02/08 21:05	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:05	nek/erf
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 21:05	nek/erf
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/02/08 21:05	nek/erf
Copper, total (3050)	M6010B ICP	2420		*	mg/Kg	1	5	07/30/08 14:54	aeh
Lead, total (3050)	M6020 ICP-MS	16.30		*	mg/Kg	0.05	0.3	08/15/08 0:50	erf/msh
Manganese, total (3050)	M6010B ICP	294		*	mg/Kg	0.5	3	07/30/08 14:54	aeh
Mercury, total	M7471A CVAA	0.04	B		mg/Kg	0.04	0.2	07/21/08 20:40	jws
Molybdenum, total (3050)	M6010B ICP	149		*	mg/Kg	1	5	08/02/08 21:05	nek/erf
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:05	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.85		*	mg/Kg	0.05	0.3	08/15/08 0:50	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.53		*	mg/Kg	0.05	0.3	08/15/08 0:50	erf/msh
Uranium, total (3050)	M6020 ICP-MS	8.99		*	mg/Kg	0.05	0.3	08/15/08 0:50	erf/msh
Zinc, total (3050)	M6010B ICP	161		*	mg/Kg	1	5	08/02/08 21:05	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.4		*	%	0.1	0.5	07/16/08 18:03	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:37	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 19:26	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:37	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-N08-5-7

ACZ Sample ID: ***L70512-02***
Date Sampled: *07/11/08 14:00*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/15/08 21:00	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	7.7			mg/Kg	0.3	0.5	08/15/08 0:56	erf/msh
Barium, total (3050)	M6010B ICP	186		*	mg/Kg	0.3	2	08/04/08 15:14	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B	*	mg/Kg	0.2	1	08/02/08 21:27	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:27	nek/erf
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 21:27	nek/erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 21:27	nek/erf
Copper, total (3050)	M6010B ICP	1100		*	mg/Kg	1	5	07/30/08 15:16	aeh
Lead, total (3050)	M6020 ICP-MS	9.56		*	mg/Kg	0.05	0.3	08/15/08 0:56	erf/msh
Manganese, total (3050)	M6010B ICP	365		*	mg/Kg	0.5	3	07/30/08 15:16	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:43	jws
Molybdenum, total (3050)	M6010B ICP	77		*	mg/Kg	1	5	08/02/08 21:27	nek/erf
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:27	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.54		*	mg/Kg	0.05	0.3	08/15/08 0:56	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.41		*	mg/Kg	0.05	0.3	08/15/08 0:56	erf/msh
Uranium, total (3050)	M6020 ICP-MS	9.35		*	mg/Kg	0.05	0.3	08/15/08 0:56	erf/msh
Zinc, total (3050)	M6010B ICP	66		*	mg/Kg	1	5	08/02/08 21:27	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.5		*	%	0.1	0.5	07/16/08 19:41	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:44	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 20:35	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:41	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-N08-10-11

ACZ Sample ID: ***L70512-03***
Date Sampled: *07/11/08 14:05*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	2.9		*	mg/Kg	0.2	1	08/15/08 21:07	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	41.9			mg/Kg	0.3	0.5	08/15/08 1:03	erf/msh
Barium, total (3050)	M6010B ICP	213		*	mg/Kg	0.3	2	08/04/08 15:17	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B	*	mg/Kg	0.2	1	08/02/08 21:31	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:31	nek/erf
Chromium, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/02/08 21:31	nek/erf
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:31	nek/erf
Copper, total (3050)	M6010B ICP	1190		*	mg/Kg	1	5	07/30/08 15:20	aeh
Lead, total (3050)	M6020 ICP-MS	9.66		*	mg/Kg	0.05	0.3	08/15/08 1:03	erf/msh
Manganese, total (3050)	M6010B ICP	271		*	mg/Kg	0.5	3	07/30/08 15:20	aeh
Mercury, total	M7471A CVAA	0.10	B		mg/Kg	0.04	0.2	07/21/08 20:45	jws
Molybdenum, total (3050)	M6010B ICP	106		*	mg/Kg	1	5	08/02/08 21:31	nek/erf
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:31	nek/erf
Selenium, total (3050)	M6020 ICP-MS	1.58		*	mg/Kg	0.05	0.3	08/15/08 1:03	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.34		*	mg/Kg	0.05	0.3	08/15/08 1:03	erf/msh
Uranium, total (3050)	M6020 ICP-MS	9.05		*	mg/Kg	0.05	0.3	08/15/08 1:03	erf/msh
Zinc, total (3050)	M6010B ICP	73		*	mg/Kg	1	5	08/02/08 21:31	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.3		*	%	0.1	0.5	07/16/08 20:30	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:51	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 21:44	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:45	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-O09-0-1

ACZ Sample ID: ***L70512-04***
Date Sampled: *07/11/08 14:52*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 21:14	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.5			mg/Kg	0.3	0.5	08/15/08 1:10	erf/msh
Barium, total (3050)	M6010B ICP	142		*	mg/Kg	0.3	2	08/04/08 15:21	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B	*	mg/Kg	0.2	1	08/02/08 21:34	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:34	nek/erf
Chromium, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/02/08 21:34	nek/erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 21:34	nek/erf
Copper, total (3050)	M6010B ICP	913		*	mg/Kg	1	5	07/30/08 15:23	aeh
Lead, total (3050)	M6020 ICP-MS	11.20		*	mg/Kg	0.05	0.3	08/15/08 1:10	erf/msh
Manganese, total (3050)	M6010B ICP	469		*	mg/Kg	0.5	3	07/30/08 15:23	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:47	jws
Molybdenum, total (3050)	M6010B ICP	69		*	mg/Kg	1	5	08/02/08 21:34	nek/erf
Nickel, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/02/08 21:34	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.39		*	mg/Kg	0.05	0.3	08/15/08 1:10	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.32		*	mg/Kg	0.05	0.3	08/15/08 1:10	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.91		*	mg/Kg	0.05	0.3	08/15/08 1:10	erf/msh
Zinc, total (3050)	M6010B ICP	106		*	mg/Kg	1	5	08/02/08 21:34	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.5		*	%	0.1	0.5	07/16/08 21:19	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 17:57	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 22:53	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:48	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-O09-1-3

ACZ Sample ID: ***L70512-05***
Date Sampled: *07/11/08 14:52*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 21:21	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.4			mg/Kg	0.3	0.5	08/15/08 1:17	erf/msh
Barium, total (3050)	M6010B ICP	187		*	mg/Kg	0.3	2	08/04/08 15:24	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B	*	mg/Kg	0.2	1	08/02/08 21:38	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:38	nek/erf
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 21:38	nek/erf
Cobalt, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/02/08 21:38	nek/erf
Copper, total (3050)	M6010B ICP	1500		*	mg/Kg	1	5	07/30/08 15:27	aeh
Lead, total (3050)	M6020 ICP-MS	26.70		*	mg/Kg	0.05	0.3	08/15/08 1:17	erf/msh
Manganese, total (3050)	M6010B ICP	442		*	mg/Kg	0.5	3	07/30/08 15:27	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:50	jws
Molybdenum, total (3050)	M6010B ICP	43		*	mg/Kg	1	5	08/02/08 21:38	nek/erf
Nickel, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/02/08 21:38	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.45		*	mg/Kg	0.05	0.3	08/15/08 1:17	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.35		*	mg/Kg	0.05	0.3	08/15/08 1:17	erf/msh
Uranium, total (3050)	M6020 ICP-MS	5.66		*	mg/Kg	0.05	0.3	08/15/08 1:17	erf/msh
Zinc, total (3050)	M6010B ICP	146		*	mg/Kg	1	5	08/02/08 21:38	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.7		*	%	0.1	0.5	07/16/08 22:08	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:04	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 0:02	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:52	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-O09-5-7

ACZ Sample ID: ***L70512-06***
Date Sampled: *07/11/08 14:58*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 21:27	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.6			mg/Kg	0.3	0.5	08/15/08 1:44	erf/msh
Barium, total (3050)	M6010B ICP	158		*	mg/Kg	0.3	2	08/04/08 15:27	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B	*	mg/Kg	0.2	1	08/02/08 21:42	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:42	nek/erf
Chromium, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/02/08 21:42	nek/erf
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:42	nek/erf
Copper, total (3050)	M6010B ICP	2480		*	mg/Kg	1	5	07/30/08 15:30	aeh
Lead, total (3050)	M6020 ICP-MS	18.60		*	mg/Kg	0.05	0.3	08/15/08 1:44	erf/msh
Manganese, total (3050)	M6010B ICP	317		*	mg/Kg	0.5	3	07/30/08 15:30	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:57	jws
Molybdenum, total (3050)	M6010B ICP	36		*	mg/Kg	1	5	08/02/08 21:42	nek/erf
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:42	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.39		*	mg/Kg	0.05	0.3	08/15/08 1:44	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.29	B	*	mg/Kg	0.05	0.3	08/15/08 1:44	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.40		*	mg/Kg	0.05	0.3	08/15/08 1:44	erf/msh
Zinc, total (3050)	M6010B ICP	78		*	mg/Kg	1	5	08/02/08 21:42	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.5		*	%	0.1	0.5	07/16/08 22:57	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:11	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 1:10	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 10:56	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-O09-10-12

ACZ Sample ID: ***L70512-07***
Date Sampled: *07/11/08 15:02*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/15/08 21:48	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.7			mg/Kg	0.3	0.5	08/15/08 1:51	erf/msh
Barium, total (3050)	M6010B ICP	155		*	mg/Kg	0.3	2	08/04/08 15:31	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B	*	mg/Kg	0.2	1	08/02/08 21:46	nek/erf
Cadmium, total (3050)	M6010B ICP	1.1	B	*	mg/Kg	0.5	2	08/02/08 21:46	nek/erf
Chromium, total (3050)	M6010B ICP	25		*	mg/Kg	1	5	08/02/08 21:46	nek/erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 21:46	nek/erf
Copper, total (3050)	M6010B ICP	1670		*	mg/Kg	1	5	07/30/08 15:34	aeh
Lead, total (3050)	M6020 ICP-MS	46.10		*	mg/Kg	0.05	0.3	08/15/08 1:51	erf/msh
Manganese, total (3050)	M6010B ICP	343		*	mg/Kg	0.5	3	07/30/08 15:34	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 20:59	jws
Molybdenum, total (3050)	M6010B ICP	73		*	mg/Kg	1	5	08/02/08 21:46	nek/erf
Nickel, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 21:46	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.84		*	mg/Kg	0.05	0.3	08/15/08 1:51	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.31		*	mg/Kg	0.05	0.3	08/15/08 1:51	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.45		*	mg/Kg	0.05	0.3	08/15/08 1:51	erf/msh
Zinc, total (3050)	M6010B ICP	123		*	mg/Kg	1	5	08/02/08 21:46	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.6		*	%	0.1	0.5	07/16/08 23:46	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:18	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 2:19	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:00	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-O09-15-17

ACZ Sample ID: ***L70512-08***
Date Sampled: *07/11/08 15:10*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 22:02	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.4			mg/Kg	0.3	0.5	08/15/08 1:58	erf/msh
Barium, total (3050)	M6010B ICP	155		*	mg/Kg	0.3	2	08/04/08 15:34	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B	*	mg/Kg	0.2	1	08/02/08 21:49	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 21:49	nek/erf
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 21:49	nek/erf
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/02/08 21:49	nek/erf
Copper, total (3050)	M6010B ICP	666		*	mg/Kg	1	5	07/30/08 15:38	aeh
Lead, total (3050)	M6020 ICP-MS	6.56		*	mg/Kg	0.05	0.3	08/15/08 1:58	erf/msh
Manganese, total (3050)	M6010B ICP	326		*	mg/Kg	0.5	3	07/30/08 15:38	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/21/08 21:01	jws
Molybdenum, total (3050)	M6010B ICP	16		*	mg/Kg	1	5	08/02/08 21:49	nek/erf
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:49	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.23	B		mg/Kg	0.05	0.3	08/22/08 15:13	msh
Thallium, total (3050)	M6020 ICP-MS	0.36		*	mg/Kg	0.05	0.3	08/15/08 1:58	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.62		*	mg/Kg	0.05	0.3	08/15/08 1:58	erf/msh
Zinc, total (3050)	M6010B ICP	147		*	mg/Kg	1	5	08/02/08 21:49	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.2		*	%	0.1	0.5	07/17/08 0:35	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:25	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 3:28	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:03	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-M04-0-1

ACZ Sample ID: ***L70512-09***
Date Sampled: *07/11/08 09:55*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	2.3		*	mg/Kg	0.2	1	08/15/08 22:09	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	12.6			mg/Kg	0.3	0.5	08/15/08 2:05	erf/msh
Barium, total (3050)	M6010B ICP	130		*	mg/Kg	0.3	2	08/04/08 15:38	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B	*	mg/Kg	0.2	1	08/02/08 21:53	nek/erf
Cadmium, total (3050)	M6010B ICP	0.7	B	*	mg/Kg	0.5	2	08/02/08 21:53	nek/erf
Chromium, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:53	nek/erf
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/02/08 21:53	nek/erf
Copper, total (3050)	M6010B ICP	9390		*	mg/Kg	1	5	07/30/08 15:41	aeh
Lead, total (3050)	M6020 ICP-MS	48.10		*	mg/Kg	0.05	0.3	08/15/08 2:05	erf/msh
Manganese, total (3050)	M6010B ICP	333		*	mg/Kg	0.5	3	07/30/08 15:41	aeh
Mercury, total	M7471A CVAA	0.15	B		mg/Kg	0.04	0.2	07/21/08 21:03	jws
Molybdenum, total (3050)	M6010B ICP	704		*	mg/Kg	1	5	08/02/08 21:53	nek/erf
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 21:53	nek/erf
Selenium, total (3050)	M6020 ICP-MS	3.09		*	mg/Kg	0.05	0.3	08/15/08 2:05	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.24	B	*	mg/Kg	0.05	0.3	08/15/08 2:05	erf/msh
Uranium, total (3050)	M6020 ICP-MS	5.55		*	mg/Kg	0.05	0.3	08/15/08 2:05	erf/msh
Zinc, total (3050)	M6010B ICP	272		*	mg/Kg	1	5	08/02/08 21:53	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	91.6		*	%	0.1	0.5	07/17/08 1:24	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:31	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 4:37	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:07	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-M04-1-2.5

ACZ Sample ID: ***L70512-10***
Date Sampled: *07/11/08 09:57*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	1.1		*	mg/Kg	0.2	1	08/15/08 22:16	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	7.5			mg/Kg	0.3	0.5	08/15/08 2:11	erf/msh
Barium, total (3050)	M6010B ICP	142		*	mg/Kg	0.3	2	08/04/08 15:41	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B	*	mg/Kg	0.2	1	08/02/08 21:57	nek/erf
Cadmium, total (3050)	M6010B ICP	0.6	B	*	mg/Kg	0.5	2	08/02/08 21:57	nek/erf
Chromium, total (3050)	M6010B ICP	26		*	mg/Kg	1	5	08/02/08 21:57	nek/erf
Cobalt, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/02/08 21:57	nek/erf
Copper, total (3050)	M6010B ICP	3900		*	mg/Kg	1	5	07/30/08 15:45	aeh
Lead, total (3050)	M6020 ICP-MS	48.10		*	mg/Kg	0.05	0.3	08/15/08 2:11	erf/msh
Manganese, total (3050)	M6010B ICP	319		*	mg/Kg	0.5	3	07/30/08 15:45	aeh
Mercury, total	M7471A CVAA	0.16	B		mg/Kg	0.04	0.2	07/22/08 20:18	pmc
Molybdenum, total (3050)	M6010B ICP	206		*	mg/Kg	1	5	08/02/08 21:57	nek/erf
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 21:57	nek/erf
Selenium, total (3050)	M6020 ICP-MS	1.29		*	mg/Kg	0.05	0.3	08/15/08 2:11	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.12	B	*	mg/Kg	0.05	0.3	08/15/08 2:11	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.01		*	mg/Kg	0.05	0.3	08/15/08 2:11	erf/msh
Zinc, total (3050)	M6010B ICP	212		*	mg/Kg	1	5	08/02/08 21:57	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.9		*	%	0.1	0.5	07/17/08 2:13	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:38	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 5:46	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:11	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-M04-5-5.4

ACZ Sample ID: ***L70512-11***
Date Sampled: *07/11/08 10:15*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 22:23	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.5			mg/Kg	0.3	0.5	08/15/08 2:18	erf/msh
Barium, total (3050)	M6010B ICP	197		*	mg/Kg	0.3	2	08/04/08 15:45	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B	*	mg/Kg	0.2	1	08/02/08 22:00	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:00	nek/erf
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/02/08 22:00	nek/erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 22:00	nek/erf
Copper, total (3050)	M6010B ICP	1720		*	mg/Kg	1	5	07/30/08 15:49	aeh
Lead, total (3050)	M6020 ICP-MS	6.55		*	mg/Kg	0.05	0.3	08/15/08 2:18	erf/msh
Manganese, total (3050)	M6010B ICP	374		*	mg/Kg	0.5	3	07/30/08 15:49	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:24	pmc
Molybdenum, total (3050)	M6010B ICP	48		*	mg/Kg	1	5	08/02/08 22:00	nek/erf
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 22:00	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.87		*	mg/Kg	0.05	0.3	08/15/08 2:18	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.41		*	mg/Kg	0.05	0.3	08/15/08 2:18	erf/msh
Uranium, total (3050)	M6020 ICP-MS	9.05		*	mg/Kg	0.05	0.3	08/15/08 2:18	erf/msh
Zinc, total (3050)	M6010B ICP	45		*	mg/Kg	1	5	08/02/08 22:00	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.6		*	%	0.1	0.5	07/17/08 3:02	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:45	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 6:55	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:15	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-003-0-1

ACZ Sample ID: ***L70512-12***
Date Sampled: *07/11/08 10:52*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 22:29	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.3			mg/Kg	0.3	0.5	08/15/08 2:25	erf/msh
Barium, total (3050)	M6010B ICP	251		*	mg/Kg	0.3	2	08/04/08 15:55	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B	*	mg/Kg	0.2	1	08/02/08 22:11	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:11	nek/erf
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/02/08 22:11	nek/erf
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/02/08 22:11	nek/erf
Copper, total (3050)	M6010B ICP	1700		*	mg/Kg	1	5	07/30/08 15:59	aeh
Lead, total (3050)	M6020 ICP-MS	5.35		*	mg/Kg	0.05	0.3	08/15/08 2:25	erf/msh
Manganese, total (3050)	M6010B ICP	386		*	mg/Kg	0.5	3	07/30/08 15:59	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:26	pmc
Molybdenum, total (3050)	M6010B ICP	102		*	mg/Kg	1	5	08/02/08 22:11	nek/erf
Nickel, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 22:11	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.45		*	mg/Kg	0.05	0.3	08/15/08 2:25	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.40		*	mg/Kg	0.05	0.3	08/15/08 2:25	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.91		*	mg/Kg	0.05	0.3	08/15/08 2:25	erf/msh
Zinc, total (3050)	M6010B ICP	119		*	mg/Kg	1	5	08/02/08 22:11	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	98.0		*	%	0.1	0.5	07/17/08 3:51	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:52	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 8:04	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:18	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-003-1-3

ACZ Sample ID: ***L70512-13***
Date Sampled: *07/11/08 10:52*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 22:36	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.2			mg/Kg	0.3	0.5	08/15/08 2:32	erf/msh
Barium, total (3050)	M6010B ICP	212		*	mg/Kg	0.3	2	08/04/08 15:59	aeh
Beryllium, total (3050)	M6010B ICP		U	*	mg/Kg	0.2	1	08/02/08 22:15	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:15	nek/erf
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/02/08 22:15	nek/erf
Cobalt, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/02/08 22:15	nek/erf
Copper, total (3050)	M6010B ICP	298		*	mg/Kg	1	5	07/30/08 16:03	aeh
Lead, total (3050)	M6020 ICP-MS	1.72		*	mg/Kg	0.05	0.3	08/15/08 2:32	erf/msh
Manganese, total (3050)	M6010B ICP	440		*	mg/Kg	0.5	3	07/30/08 16:03	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.03	0.2	07/22/08 20:29	pmc
Molybdenum, total (3050)	M6010B ICP	2	B	*	mg/Kg	1	5	08/02/08 22:15	nek/erf
Nickel, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 22:15	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.81		*	mg/Kg	0.05	0.3	08/15/08 2:32	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.31		*	mg/Kg	0.05	0.3	08/15/08 2:32	erf/msh
Uranium, total (3050)	M6020 ICP-MS	7.25		*	mg/Kg	0.05	0.3	08/15/08 2:32	erf/msh
Zinc, total (3050)	M6010B ICP	77		*	mg/Kg	1	5	08/02/08 22:15	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	99.2		*	%	0.1	0.5	07/17/08 4:40	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 18:58	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 9:13	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:22	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-M06-0-1

ACZ Sample ID: ***L70512-14***
Date Sampled: *07/11/08 12:56*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 22:43	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.6			mg/Kg	0.3	0.5	08/15/08 2:39	erf/msh
Barium, total (3050)	M6010B ICP	67.1		*	mg/Kg	0.3	2	08/04/08 16:02	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B	*	mg/Kg	0.2	1	08/02/08 22:18	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:18	nek/erf
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/02/08 22:18	nek/erf
Cobalt, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/02/08 22:18	nek/erf
Copper, total (3050)	M6010B ICP	207		*	mg/Kg	1	5	07/30/08 16:07	aeh
Lead, total (3050)	M6020 ICP-MS	7.76		*	mg/Kg	0.05	0.3	08/15/08 2:39	erf/msh
Manganese, total (3050)	M6010B ICP	159		*	mg/Kg	0.5	3	07/30/08 16:07	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:31	pmc
Molybdenum, total (3050)	M6010B ICP	23		*	mg/Kg	1	5	08/02/08 22:18	nek/erf
Nickel, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/02/08 22:18	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.23	B		mg/Kg	0.05	0.3	08/22/08 15:20	msh
Thallium, total (3050)	M6020 ICP-MS	0.11	B	*	mg/Kg	0.05	0.3	08/15/08 2:39	erf/msh
Uranium, total (3050)	M6020 ICP-MS	1.45		*	mg/Kg	0.05	0.3	08/15/08 2:39	erf/msh
Zinc, total (3050)	M6010B ICP	26		*	mg/Kg	1	5	08/02/08 22:18	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.1		*	%	0.1	0.5	07/17/08 5:29	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:05	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 10:21	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:26	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-M06-1-3

ACZ Sample ID: ***L70512-15***
Date Sampled: *07/11/08 12:56*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 22:50	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.0			mg/Kg	0.3	0.5	08/15/08 2:46	erf/msh
Barium, total (3050)	M6010B ICP	92.4		*	mg/Kg	0.3	2	08/04/08 16:05	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B	*	mg/Kg	0.2	1	08/02/08 22:22	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:22	nek/erf
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 22:22	nek/erf
Cobalt, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/02/08 22:22	nek/erf
Copper, total (3050)	M6010B ICP	200		*	mg/Kg	1	5	07/30/08 16:10	aeh
Lead, total (3050)	M6020 ICP-MS	8.17		*	mg/Kg	0.05	0.3	08/15/08 2:46	erf/msh
Manganese, total (3050)	M6010B ICP	157		*	mg/Kg	0.5	3	07/30/08 16:10	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:38	pmc
Molybdenum, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/02/08 22:22	nek/erf
Nickel, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/02/08 22:22	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.35		*	mg/Kg	0.05	0.3	08/15/08 2:46	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.14	B	*	mg/Kg	0.05	0.3	08/15/08 2:46	erf/msh
Uranium, total (3050)	M6020 ICP-MS	1.35		*	mg/Kg	0.05	0.3	08/15/08 2:46	erf/msh
Zinc, total (3050)	M6010B ICP	27		*	mg/Kg	1	5	08/02/08 22:22	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.3		*	%	0.1	0.5	07/17/08 6:18	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:12	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 11:30	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:30	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-02-0-1

ACZ Sample ID: ***L70512-16***
Date Sampled: *07/11/08 13:20*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	1.0		*	mg/Kg	0.2	1	08/15/08 23:11	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	6.3			mg/Kg	0.3	0.5	08/15/08 3:06	erf/msh
Barium, total (3050)	M6010B ICP	36.8		*	mg/Kg	0.3	2	08/04/08 16:09	aeh
Beryllium, total (3050)	M6010B ICP	0.8	B	*	mg/Kg	0.2	1	08/02/08 22:26	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:26	nek/erf
Chromium, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/02/08 22:26	nek/erf
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/02/08 22:26	nek/erf
Copper, total (3050)	M6010B ICP	2690		*	mg/Kg	1	5	07/30/08 16:14	aeh
Lead, total (3050)	M6020 ICP-MS	39.70		*	mg/Kg	0.05	0.3	08/15/08 3:06	erf/msh
Manganese, total (3050)	M6010B ICP	345		*	mg/Kg	0.5	3	07/30/08 16:14	aeh
Mercury, total	M7471A CVAA	0.07	B		mg/Kg	0.04	0.2	07/22/08 20:40	pmc
Molybdenum, total (3050)	M6010B ICP	618		*	mg/Kg	1	5	08/02/08 22:26	nek/erf
Nickel, total (3050)	M6010B ICP	2	B	*	mg/Kg	1	5	08/02/08 22:26	nek/erf
Selenium, total (3050)	M6020 ICP-MS	3.15		*	mg/Kg	0.05	0.3	08/15/08 3:06	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.12	B		mg/Kg	0.05	0.3	08/15/08 23:11	erf/msh
Uranium, total (3050)	M6020 ICP-MS	6.34		*	mg/Kg	0.05	0.3	08/15/08 3:06	erf/msh
Zinc, total (3050)	M6010B ICP	114		*	mg/Kg	1	5	08/02/08 22:26	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.4		*	%	0.1	0.5	07/17/08 7:07	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:19	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 12:39	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:33	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-02-1-3

ACZ Sample ID: ***L70512-17***
Date Sampled: *07/11/08 13:20*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 23:18	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.8			mg/Kg	0.3	0.5	08/15/08 3:13	erf/msh
Barium, total (3050)	M6010B ICP	77.4		*	mg/Kg	0.3	2	08/04/08 16:12	aeh
Beryllium, total (3050)	M6010B ICP	0.8	B	*	mg/Kg	0.2	1	08/02/08 22:29	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:29	nek/erf
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/02/08 22:29	nek/erf
Cobalt, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/02/08 22:29	nek/erf
Copper, total (3050)	M6010B ICP	174		*	mg/Kg	1	5	07/30/08 16:17	aeh
Lead, total (3050)	M6020 ICP-MS	7.39		*	mg/Kg	0.05	0.3	08/15/08 3:13	erf/msh
Manganese, total (3050)	M6010B ICP	122		*	mg/Kg	0.5	3	07/30/08 16:17	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:42	pmc
Molybdenum, total (3050)	M6010B ICP	27		*	mg/Kg	1	5	08/02/08 22:29	nek/erf
Nickel, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/02/08 22:29	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.17	B		mg/Kg	0.05	0.3	08/22/08 15:24	msh
Thallium, total (3050)	M6020 ICP-MS		U		mg/Kg	0.05	0.3	08/15/08 23:18	erf/msh
Uranium, total (3050)	M6020 ICP-MS	0.93		*	mg/Kg	0.05	0.3	08/15/08 3:13	erf/msh
Zinc, total (3050)	M6010B ICP	34		*	mg/Kg	1	5	08/02/08 22:29	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.6		*	%	0.1	0.5	07/17/08 7:56	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:25	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 13:48	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:37	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-N08-0-1

ACZ Sample ID: ***L70512-18***
Date Sampled: *07/11/08 13:55*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 23:25	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	4.1			mg/Kg	0.3	0.5	08/15/08 3:20	erf/msh
Barium, total (3050)	M6010B ICP	169		*	mg/Kg	0.3	2	08/04/08 16:16	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B	*	mg/Kg	0.2	1	08/02/08 22:33	nek/erf
Cadmium, total (3050)	M6010B ICP		U	*	mg/Kg	0.5	2	08/02/08 22:33	nek/erf
Chromium, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/02/08 22:33	nek/erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/02/08 22:33	nek/erf
Copper, total (3050)	M6010B ICP	1070		*	mg/Kg	1	5	07/30/08 16:21	aeh
Lead, total (3050)	M6020 ICP-MS	10.10		*	mg/Kg	0.05	0.3	08/15/08 3:20	erf/msh
Manganese, total (3050)	M6010B ICP	504		*	mg/Kg	0.5	3	07/30/08 16:21	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:45	pmc
Molybdenum, total (3050)	M6010B ICP	27		*	mg/Kg	1	5	08/02/08 22:33	nek/erf
Nickel, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/02/08 22:33	nek/erf
Selenium, total (3050)	M6020 ICP-MS	0.42		*	mg/Kg	0.05	0.3	08/15/08 3:20	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.27	B	*	mg/Kg	0.05	0.3	08/15/08 3:20	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.77		*	mg/Kg	0.05	0.3	08/15/08 3:20	erf/msh
Zinc, total (3050)	M6010B ICP	94		*	mg/Kg	1	5	08/02/08 22:33	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.5		*	%	0.1	0.5	07/17/08 8:45	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:32	brd/bjl
Digestion - Hot Plate	M3050B ICP-MS							08/13/08 14:57	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:41	brd/lwt

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250102													
WG250102ICV	ICV	08/15/08 19:58	MS080722-4	.02006		.02044	mg/L	101.9	90	110			
WG250102ICB	ICB	08/15/08 20:05				U	mg/L		-0.0012	0.0012			
WG249856PBS	PBS	08/15/08 20:33				U	mg/Kg		-0.6	0.6			
WG249856LCSS	LCSS	08/15/08 20:40	PCN30289	126		110.2	mg/Kg		63.3	189			
WG249856LCSSD	LCSSD	08/15/08 20:47	PCN30289	126		108.9	mg/Kg		63.3	189	1.2	20	
L70512-18MS	MS	08/15/08 23:32	MS080707-3	5	U	2.63	mg/Kg	52.6	75	125			M2
L70512-18MSD	MSD	08/15/08 23:39	MS080707-3	5	U	2.89	mg/Kg	57.8	75	125	9.42	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250011													
WG250011ICV	ICV	08/14/08 23:55	MS080722-4	.05		.04829	mg/L	96.6	90	110			
WG250011ICB	ICB	08/15/08 0:02				U	mg/L		-0.0015	0.0015			
WG249856PBS	PBS	08/15/08 0:29				U	mg/Kg		-0.9	0.9			
WG249856LCSS	LCSS	08/15/08 0:36	PCN30289	225		224.7	mg/Kg		181	270			
WG249856LCSSD	LCSSD	08/15/08 0:43	PCN30289	225		229.3	mg/Kg		181	270	2	20	
L70512-18MS	MS	08/15/08 3:27	MS080707-3	25	4.1	26	mg/Kg	87.6	75	125			
L70512-18MSD	MSD	08/15/08 3:34	MS080707-3	25	4.1	25.27	mg/Kg	84.7	75	125	2.85	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249356													
WG249356ICV	ICV	08/04/08 14:25	II080717-1	2		1.9844	mg/L	99.2	90	110			
WG249356ICB	ICB	08/04/08 14:29				U	mg/L		-0.009	0.009			
WG249216PBS	PBS	08/04/08 14:43				U	mg/Kg		-0.9	0.9			
WG249216LCSS	LCSS	08/04/08 14:46	PCN30060	362		411.69	mg/Kg		299	424			
WG249216LCSSD	LCSSD	08/04/08 14:49	PCN30060	362		333.41	mg/Kg		299	424	21	20	RK
L70512-01MS	MS	08/04/08 15:00	II080730-2	50.5	188	232.65	mg/Kg	88.4	75	125			
L70512-01MSD	MSD	08/04/08 15:03	II080730-2	50.5	188	263.83	mg/Kg	150.2	75	125	12.56	20	M3

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.9122	mg/L	95.6	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.006	0.006			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-0.6	0.6			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	140		164.63	mg/Kg		115	166			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	140		141.25	mg/Kg		115	166	15.3	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.5	.4	45.29	mg/Kg	88.9	75	125			
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.5	.4	34.39	mg/Kg	67.3	75	125	27.36	20	M2 RD

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.9176	mg/L	95.9	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.015	0.015			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-1.5	1.5			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	141		153.55	mg/Kg		114	169			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	141		147.06	mg/Kg		114	169	4.3	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.5	U	43.57	mg/Kg	86.3	75	125			
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.5	U	37.52	mg/Kg	74.3	75	125	14.92	20	MA

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.915	mg/L	95.8	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.03	0.03			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-3	3			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	76.3		88.3	mg/Kg		61.5	91			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	76.3		74.7	mg/Kg		61.5	91	16.7	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.5	7	49.9	mg/Kg	85	75	125			
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.5	7	37.5	mg/Kg	60.4	75	125	28.38	20	M2 RD

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.872	mg/L	93.6	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.03	0.03			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-3	3			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	83.9		92.6	mg/Kg		68.1	99.7			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	83.9		83.7	mg/Kg		68.1	99.7	10.1	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.5	12	53.2	mg/Kg	81.6	75	125			
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.5	12	40.7	mg/Kg	56.8	75	125	26.62	20	M2 RD

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248996													
WG248996ICV	ICV	07/30/08 14:25	II080717-1	2		1.938	mg/L	96.9	90	110			
WG248996ICB1	ICB	07/30/08 14:28				U	mg/L		-0.03	0.03			
WG248371PBS	PBS	07/30/08 14:43				U	mg/Kg		-3	3			
WG248371LCSS	LCSS	07/30/08 14:47	PCN30060	77.2		77.7	mg/Kg		62.9	91.5			
WG248371LCSSD	LCSSD	07/30/08 14:51	PCN30060	77.2		76.7	mg/Kg		62.9	91.5	1.3	20	
L70512-01MS	MS	07/30/08 15:01	II080708-3	50.5	2420	1963	mg/Kg	-905	75	125			M3
L70512-01MSD	MSD	07/30/08 15:05	II080708-3	50.5	2420	2235.2	mg/Kg	-365.9	75	125	12.97	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250011													
WG250011ICV	ICV	08/14/08 23:55	MS080722-4	.05		.04774	mg/L	95.5	90	110			
WG250011ICB	ICB	08/15/08 0:02				U	mg/L		-0.0003	0.0003			
WG249856PBS	PBS	08/15/08 0:29				U	mg/Kg		-0.15	0.15			
WG249856LCSS	LCSS	08/15/08 0:36	PCN30289	223		225.85	mg/Kg		183	264			
WG249856LCSSD	LCSSD	08/15/08 0:43	PCN30289	223		224.85	mg/Kg		183	264	0.4	20	
L70512-18MS	MS	08/15/08 3:27	MS080707-3	25	10.1	35.425	mg/Kg	101.3	75	125			
L70512-18MSD	MSD	08/15/08 3:34	MS080707-3	25	10.1	32.22	mg/Kg	88.5	75	125	9.48	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248996													
WG248996ICV	ICV	07/30/08 14:25	II080717-1	2		1.9095	mg/L	95.5	90	110			
WG248996ICB1	ICB	07/30/08 14:28				U	mg/L		-0.015	0.015			
WG248371PBS	PBS	07/30/08 14:43				U	mg/Kg		-1.5	1.5			
WG248371LCSS	LCSS	07/30/08 14:47	PCN30060	466		475.61	mg/Kg		379	552			
WG248371LCSSD	LCSSD	07/30/08 14:51	PCN30060	466		483.71	mg/Kg		379	552	1.7	20	
L70512-01MS	MS	07/30/08 15:01	II080708-3	50.5	294	334.12	mg/Kg	79.4	75	125			
L70512-01MSD	MSD	07/30/08 15:05	II080708-3	50.5	294	328.73	mg/Kg	68.8	75	125	1.63	20	M3

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248481													
WG248481ICV	ICV	07/21/08 19:56	II080721-4	.01002		.01011	mg/L	100.9	90	110			
WG248481ICB	ICB	07/21/08 19:58				U	mg/L		-0.0006	0.0006			
WG248481PBS	PBS	07/21/08 20:01				U	mg/Kg		-0.12	0.12			
WG248481LCSS	LCSS	07/21/08 20:03	PCN28813	5.8		6.29	mg/Kg		3.83	7.69			
WG248481LCSSD	LCSSD	07/21/08 20:05	PCN28813	5.8		5.85	mg/Kg		3.83	7.69	7.2	20	
L70511-01MS	MS	07/21/08 20:10	II080701-4	.95	U	.969	mg/Kg	102	85	115			
L70511-01MSD	MSD	07/21/08 20:12	II080701-4	.95	U	.968	mg/Kg	101.9	85	115	0.1	20	
WG248517													
WG248517ICV	ICV	07/22/08 20:07	II080721-4	.01002		.01038	mg/L	103.6	90	110			
WG248517ICB	ICB	07/22/08 20:09				U	mg/L		-0.0006	0.0006			
WG248517PBS	PBS	07/22/08 20:12				U	mg/Kg		-0.12	0.12			
WG248517LCSS	LCSS	07/22/08 20:14	PCN28813	5.8		5.63	mg/Kg		3.83	7.69			
WG248517LCSSD	LCSSD	07/22/08 20:16	PCN28813	5.8		5.61	mg/Kg		3.83	7.69	0.4	20	
L70512-10MS	MS	07/22/08 20:20	II080701-4	1.005	.16	1.122	mg/Kg	95.7	85	115			
L70512-10MSD	MSD	07/22/08 20:22	II080701-4	1.005	.16	1.095	mg/Kg	93	85	115	2.44	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

Project ID: OJ07R9

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.919	mg/L	96	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.03	0.03			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-3	3			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	1700		201.8	mg/Kg		132	208			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	1700		185.7	mg/Kg		132	208	8.3	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.5	149	180.2	mg/Kg	61.8	75	125			M2
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.5	149	123	mg/Kg	-51.5	75	125	37.73	20	M2 RD

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.867	mg/L	93.4	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.03	0.03			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-3	3			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	84.3		92.6	mg/Kg		66.3	102			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	84.3		87.6	mg/Kg		66.3	102	5.5	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.3485	9	50.9	mg/Kg	83.2	75	125			
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.3485	9	38.9	mg/Kg	59.4	75	125	26.73	20	M2 RD

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250011													
WG250011ICV	ICV	08/14/08 23:55	MS080722-4	.05		.04845	mg/L	96.9	90	110			
WG250011ICB	ICB	08/15/08 0:02				U	mg/L		-0.0003	0.0003			
WG249856PBS	PBS	08/15/08 0:29				.109	mg/Kg		-0.15	0.15			
WG249856LCSS	LCSS	08/15/08 0:36	PCN30289	147		153.55	mg/Kg		114	180			
WG249856LCSSD	LCSSD	08/15/08 0:43	PCN30289	147		144.6	mg/Kg		114	180	6	20	
L70512-18MS	MS	08/15/08 3:27	MS080707-3	12.5	.42	10.12	mg/Kg	77.6	75	125			
L70512-18MSD	MSD	08/15/08 3:34	MS080707-3	12.5	.42	10.32	mg/Kg	79.2	75	125	1.96	20	
WG250206													
WG250206ICV	ICV	08/22/08 14:43	MS080813-2	.05		.05245	mg/L	104.9	90	110			
WG250206ICB	ICB	08/22/08 14:46				U	mg/L		-0.0003	0.0003			
WG249856PBS	PBS	08/22/08 15:01				U	mg/Kg		-0.15	0.15			
WG249856LCSS	LCSS	08/22/08 15:05	PCN30289	147		162.8	mg/Kg		114	180			
WG249856LCSSD	LCSSD	08/22/08 15:09	PCN30289	147		153.25	mg/Kg		114	180	6	20	
L70512-18MS	MS	08/22/08 15:38	MS080707-3	12.5	.35	11.59	mg/Kg	89.9	75	125			
L70512-18MSD	MSD	08/22/08 15:42	MS080707-3	12.5	.35	12.115	mg/Kg	94.1	75	125	4.43	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248222													
WG248222PBS	PBS	07/16/08 17:15				U	%		99.9	100.1			
L70512-01DUP	DUP	07/16/08 18:52			95.4	95.76	%				0.4	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

Project ID: OJ07R9

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250011													
WG250011ICV	ICV	08/14/08 23:55	MS080722-4	.05		.05122	mg/L	102.4	90	110			
WG250011ICB	ICB	08/15/08 0:02				U	mg/L		-0.0003	0.0003			
WG249856PBS	PBS	08/15/08 0:29				U	mg/Kg		-0.15	0.15			
WG249856LCSS	LCSS	08/15/08 0:36	PCN30289	173		185.15	mg/Kg		140	205			
WG249856LCSSD	LCSSD	08/15/08 0:43	PCN30289	173		181.35	mg/Kg		140	205	2.1	20	
L70512-18MS	MS	08/15/08 3:27	MS080707-3	25.05	.27	26.435	mg/Kg	104.5	75	125			
L70512-18MSD	MSD	08/15/08 3:34	MS080707-3	25.05	.27	25.71	mg/Kg	101.6	75	125	2.78	20	
WG250102													
WG250102ICV	ICV	08/15/08 19:58	MS080722-4	.05		.05301	mg/L	106	90	110			
WG250102ICB	ICB	08/15/08 20:05				U	mg/L		-0.0003	0.0003			
WG249856PBS	PBS	08/15/08 20:33				U	mg/Kg		-0.15	0.15			
WG249856LCSS	LCSS	08/15/08 20:40	PCN30289	173		180.1	mg/Kg		140	205			
WG249856LCSSD	LCSSD	08/15/08 20:47	PCN30289	173		176	mg/Kg		140	205	2.3	20	
L70512-18MS	MS	08/15/08 23:32	MS080707-3	25.05	.2	25.305	mg/Kg	100.2	75	125			
L70512-18MSD	MSD	08/15/08 23:39	MS080707-3	25.05	.2	24.71	mg/Kg	97.8	75	125	2.38	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250011													
WG250011ICV	ICV	08/14/08 23:55	MS080722-4	.05		.04693	mg/L	93.9	90	110			
WG250011ICB	ICB	08/15/08 0:02				U	mg/L		-0.0003	0.0003			
WG249856PBS	PBS	08/15/08 0:29				U	mg/Kg		-0.15	0.15			
L70512-18MS	MS	08/15/08 3:27	MS080707-3	12.5	4.77	17.265	mg/Kg	100	75	125			
L70512-18MSD	MSD	08/15/08 3:34	MS080707-3	12.5	4.77	16.31	mg/Kg	92.3	75	125	5.69	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249284													
WG249284ICV	ICV	08/02/08 20:35	II080717-1	2		1.927	mg/L	96.4	90	110			
WG249284ICB	ICB	08/02/08 20:39				U	mg/L		-0.03	0.03			
WG249216PBS	PBS	08/02/08 20:54				U	mg/Kg		-3	3			
WG249216LCSS	LCSS	08/02/08 20:57	PCN30060	204		226.8	mg/Kg		166	243			
WG249216LCSSD	LCSSD	08/02/08 21:01	PCN30060	204		197.1	mg/Kg		166	243	14	20	
L70512-01MS	MS	08/02/08 21:12	II080730-2	50.5	161	179.4	mg/Kg	36.4	75	125			M2
L70512-01MSD	MSD	08/02/08 21:16	II080730-2	50.5	161	138.9	mg/Kg	-43.8	75	125	25.45	20	M2 RD

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-01	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-02	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-03	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-04	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-05	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-06	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-07	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-08	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-09	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-10	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-11	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-12	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-13	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-14	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-15	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-16	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-17	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70512-18	WG250102	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249356	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RK	LCSS/LCSSD recovery within acceptance criteria but RPD exceeded the laboratory control limit. Acceptable MS/MSD RPD demonstrates precision.
	WG249284	Beryllium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cadmium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Cobalt, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248996	Copper, total (3050)	M6010B ICP	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.
	WG250011	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG248996	Manganese, total (3050)	M6010B ICP	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.
	WG249284	Molybdenum, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Nickel, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250011	Selenium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
		Thallium, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG249284	Zinc, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
					homogeneity of the sample.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70512
Date Received: 7/16/2008
Received By: lcp
Date Printed: 7/17/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
2971		2.9	15
1887		3.6	14

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70512
Date Received: 7/16/2008
Received By:

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
L70512-01	CP-N08-1-3									X		
L70512-02	CP-N08-5-7									X		
L70512-03	CP-N08-10-11									X		
L70512-04	CP-O09-0-1									X		
L70512-05	CP-O09-1-3									X		
L70512-06	CP-O09-5-7									X		
L70512-07	CP-O09-10-12									X		
L70512-08	CP-O09-15-17									X		
L70512-09	CP-M04-0-1									X		
L70512-10	CP-M04-1-2.5									X		
L70512-11	CP-M04-5-5.4									X		
L70512-12	CP-003-0-1									X		
L70512-13	CP-003-1-3									X		
L70512-14	CP-M06-0-1									X		
L70512-15	CP-M06-1-3									X		
L70512-16	CP-JS-02-0-1									X		
L70512-17	CP-JS-02-1-3									X		
L70512-18	CP-N08-0-1									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: lcp

ACZ Laboratories, Inc. L70512

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

CHAIN of CUSTODY

Report to:

Name: Freeport - Sierrita
Company: URS/ FMI
E-mail: Ned - Hall@FMI.com
Address: 6200 W. Duval Mine Rd
Telephone: (520) 648 - 8857

Copy of Report to:

Name:
Company:
E-mail: Steven-Vaughn@URSCorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI - Sierrita
E-mail: Ned_Hall@FMI.com
Address: 6200 W. Duval Mine Rd.
P.O. BOX 527
Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: OJ0 7R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/2008
CP-N08-1-3	7-11-08 : 1355	SO	1	
CP-N08-5-7	7-11-08 1400		1	
CP-N08-10-11	7-11-08 1405		1	
CP-009-0-1	7-11-08 1452		1	
CP-009-1-3	7-11-08 1452		1	
CP-009-5-7	7-11-08 1458		1	
CP-009-10-12	7-11-08 1502		1	
CP-009-15-17	7-11-08 1510		1	↓

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

REMARKS/ SAMPLE DISCLOSURES

FedEx 791929760469 * 799352901045

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature]	7-15-08 1439	To FedEx	
		[signature]	7-16-08 10:30

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc. L70512

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

CHAIN of CUSTODY

Report to:

Name: Freeport - Sierrita | Address: 6200 W. Duval Mine Rd.
Company: URS/FMI
E-mail: Ned_Hall@FMI.com / Steven_Vaughn@URSCorp.com | Telephone: (520) 648-8857

Copy of Report to:

Name: | E-mail: Steven_Vaughn@URSCorp.com
Company: | Telephone:

Invoice to:

Name: Ned Hall | Address: 6200 W. Duval Mine Rd.
Company: FMI - Sierrita | P.O. Box 527
E-mail: Ned_Hall@fmi.com | Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 05078R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/2008
CP-M04-0-1	7-11-08 : 955	SO	1	
CP-M04-1-2.5	7-11-08 957		1	
CP-M04-5-5.4	7-11-08 1015		1	
CP-003-0-1	7-11-08 1052		1	
CP-003-1-3	7-11-08 1052		1	
CP-M06-0-1	7-11-08 1256		1	
CP-M06-1-3	7-11-08 1256		1	
CP-JS-02-0-1	7-11-08 1320		1	
CP-JS-02-1-3	7-11-08 1320		1	
CP-N08-0-1	7-11-08 1355		1	

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

REMARKS/ SAMPLE DISCLOSURES

Fed ex 791929760469 & 799352901045

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A.J.S	7-15-08 1439	To Fed Ex	
		WPL	7/16/08 10:30

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01 D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 04, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70514

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 16, 2008. This project has been assigned to ACZ's project number, L70514. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70514. 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 September 04, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EV-JS-01-5-7

ACZ Sample ID: ***L70514-01***
Date Sampled: *07/14/08 13:55*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 19:07	msh
Arsenic, total (3050)	M6020 ICP-MS	5.5			mg/Kg	0.3	0.5	07/29/08 19:07	msh
Barium, total (3050)	M6010B ICP	169		*	mg/Kg	0.3	2	07/24/08 0:17	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	07/24/08 0:17	aeh
Cadmium, total (3050)	M6010B ICP	6.0			mg/Kg	0.5	2	07/24/08 0:17	aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/24/08 0:17	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	07/24/08 0:17	aeh
Copper, total (3050)	M6010B ICP	1550		*	mg/Kg	1	5	07/24/08 0:17	aeh
Lead, total (3050)	M6020 ICP-MS	12.00			mg/Kg	0.05	0.3	07/29/08 19:07	msh
Manganese, total (3050)	M6010B ICP	342		*	mg/Kg	0.5	3	07/24/08 0:17	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:47	pmc
Molybdenum, total (3050)	M6010B ICP	77		*	mg/Kg	1	5	07/24/08 0:17	aeh
Nickel, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	07/24/08 0:17	aeh
Selenium, total (3050)	M6020 ICP-MS	1.69			mg/Kg	0.05	0.3	07/29/08 19:07	msh
Thallium, total (3050)	M6020 ICP-MS	0.10	B	*	mg/Kg	0.05	0.3	07/29/08 19:07	msh
Uranium, total (3050)	M6020 ICP-MS	8.51		*	mg/Kg	0.05	0.3	07/29/08 19:07	msh
Zinc, total (3050)	M6010B ICP	407			mg/Kg	1	5	07/24/08 0:17	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.6		*	%	0.1	0.5	07/17/08 5:03	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:39	brd/bjl
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:45	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EV-JS-02-0-1

ACZ Sample ID: ***L70514-02***
Date Sampled: *07/14/08 14:45*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	07/29/08 19:14	msh
Arsenic, total (3050)	M6020 ICP-MS	2.8			mg/Kg	0.3	0.5	07/29/08 19:14	msh
Barium, total (3050)	M6010B ICP	105		*	mg/Kg	0.3	2	07/24/08 0:21	aeh
Beryllium, total (3050)	M6010B ICP	0.2	B		mg/Kg	0.2	1	07/24/08 0:21	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/24/08 0:21	aeh
Chromium, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	07/24/08 0:21	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	07/24/08 0:21	aeh
Copper, total (3050)	M6010B ICP	2020		*	mg/Kg	1	5	07/24/08 0:21	aeh
Lead, total (3050)	M6020 ICP-MS	19.10			mg/Kg	0.05	0.3	07/29/08 19:14	msh
Manganese, total (3050)	M6010B ICP	330		*	mg/Kg	0.5	3	07/24/08 0:21	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:50	pmc
Molybdenum, total (3050)	M6010B ICP	67		*	mg/Kg	1	5	07/24/08 0:21	aeh
Nickel, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	07/24/08 0:21	aeh
Selenium, total (3050)	M6020 ICP-MS	0.47			mg/Kg	0.05	0.3	07/29/08 19:14	msh
Thallium, total (3050)	M6020 ICP-MS	0.10	B	*	mg/Kg	0.05	0.3	07/29/08 19:14	msh
Uranium, total (3050)	M6020 ICP-MS	2.87		*	mg/Kg	0.05	0.3	07/29/08 19:14	msh
Zinc, total (3050)	M6010B ICP	124			mg/Kg	1	5	07/24/08 0:21	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.2		*	%	0.1	0.5	07/17/08 6:06	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:46	brd/bjl
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:48	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EV-JS-02-1-3

ACZ Sample ID: ***L70514-03***
Date Sampled: *07/14/08 14:45*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 19:20	msh
Arsenic, total (3050)	M6020 ICP-MS	1.1			mg/Kg	0.3	0.5	07/29/08 19:20	msh
Barium, total (3050)	M6010B ICP	96.2		*	mg/Kg	0.3	2	07/24/08 0:25	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/24/08 0:25	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/24/08 0:25	aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/24/08 0:25	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/24/08 0:25	aeh
Copper, total (3050)	M6010B ICP	583		*	mg/Kg	1	5	07/24/08 0:25	aeh
Lead, total (3050)	M6020 ICP-MS	1.59			mg/Kg	0.05	0.3	07/29/08 19:20	msh
Manganese, total (3050)	M6010B ICP	357		*	mg/Kg	0.5	3	07/24/08 0:25	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:52	pmc
Molybdenum, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/24/08 0:25	aeh
Nickel, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	07/24/08 0:25	aeh
Selenium, total (3050)	M6020 ICP-MS	1.02			mg/Kg	0.05	0.3	07/29/08 19:20	msh
Thallium, total (3050)	M6020 ICP-MS	0.12	B	*	mg/Kg	0.05	0.3	07/29/08 19:20	msh
Uranium, total (3050)	M6020 ICP-MS	4.14		*	mg/Kg	0.05	0.3	07/29/08 19:20	msh
Zinc, total (3050)	M6010B ICP	54			mg/Kg	1	5	07/24/08 0:25	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.9		*	%	0.1	0.5	07/17/08 7:09	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:53	brd/bjl
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:52	brd/lwt

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EV-JS-02-5-7

ACZ Sample ID: ***L70514-04***
Date Sampled: *07/14/08 14:55*
Date Received: *07/16/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 19:41	msh
Arsenic, total (3050)	M6020 ICP-MS	3.5			mg/Kg	0.3	0.5	07/29/08 19:41	msh
Barium, total (3050)	M6010B ICP	142		*	mg/Kg	0.3	2	07/24/08 0:28	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/24/08 0:28	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/24/08 0:28	aeh
Chromium, total (3050)	M6010B ICP	20			mg/Kg	1	5	07/24/08 0:28	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	07/24/08 0:28	aeh
Copper, total (3050)	M6010B ICP	890		*	mg/Kg	1	5	07/24/08 0:28	aeh
Lead, total (3050)	M6020 ICP-MS	11.30			mg/Kg	0.05	0.3	07/29/08 19:41	msh
Manganese, total (3050)	M6010B ICP	394		*	mg/Kg	0.5	3	07/24/08 0:28	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:54	pmc
Molybdenum, total (3050)	M6010B ICP	37		*	mg/Kg	1	5	07/24/08 0:28	aeh
Nickel, total (3050)	M6010B ICP	17		*	mg/Kg	1	5	07/24/08 0:28	aeh
Selenium, total (3050)	M6020 ICP-MS	0.46			mg/Kg	0.05	0.3	07/29/08 19:41	msh
Thallium, total (3050)	M6020 ICP-MS	0.14	B	*	mg/Kg	0.05	0.3	07/29/08 19:41	msh
Uranium, total (3050)	M6020 ICP-MS	5.53		*	mg/Kg	0.05	0.3	07/29/08 19:41	msh
Zinc, total (3050)	M6010B ICP	77			mg/Kg	1	5	07/24/08 0:28	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.4		*	%	0.1	0.5	07/17/08 8:12	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/16/08 19:59	brd/bjl
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/18/08 11:56	brd/lwt

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70514***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.02006		.02021	mg/L	100.7	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0012	0.0012			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.6	0.6			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	101		104.3	mg/Kg		16.7	185			
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	101		109.8	mg/Kg		16.7	185	5.1	20	
L70511-02MS	MS	07/29/08 17:47	MS080707-3	5.05	U	1.9	mg/Kg	37.6	75	125			M2
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	5.05	U	1.84	mg/Kg	36.4	75	125	3.21	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.04902	mg/L	98	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0015	0.0015			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.9	0.9			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	156		145.7	mg/Kg		124	188			E6
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	156		152.6	mg/Kg		124	188	4.6	20	E6
L70511-02MS	MS	07/29/08 17:47	MS080707-3	25.25	2	23.77	mg/Kg	86.2	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	25.25	2	22.25	mg/Kg	80.2	75	125	6.61	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		2.0147	mg/L	100.7	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.009	0.009			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-0.9	0.9			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	362		354.13	mg/Kg		299	424			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	362		361.56	mg/Kg		299	424	2.1	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	164	220.05	mg/Kg	111	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	164	240.05	mg/Kg	150.6	75	125	8.69	20	M3

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9802	mg/L	99	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.006	0.006			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-0.6	0.6			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	140		137.02	mg/Kg		115	166			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	140		143.06	mg/Kg		115	166	4.3	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	.3	53.71	mg/Kg	105.8	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	.3	55.11	mg/Kg	108.5	75	125	2.57	20	

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Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9511	mg/L	97.6	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.015	0.015			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-1.5	1.5			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	141		135.08	mg/Kg		114	169			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	141		142.05	mg/Kg		114	169	5	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	.7	52.14	mg/Kg	101.9	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	.7	53.08	mg/Kg	103.7	75	125	1.79	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		2.009	mg/L	100.5	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	76.3		75.8	mg/Kg		61.5	91			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	76.3		78.7	mg/Kg		61.5	91	3.8	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	7	58	mg/Kg	101	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	7	58.7	mg/Kg	102.4	75	125	1.2	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9	mg/L	95	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	83.9		80.4	mg/Kg		68.1	99.7			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	83.9		83.3	mg/Kg		68.1	99.7	3.5	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	11	61.7	mg/Kg	100.4	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	11	62.9	mg/Kg	102.8	75	125	1.93	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.916	mg/L	95.8	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	77.2		73.8	mg/Kg		62.9	91.5			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	77.2		77.7	mg/Kg		62.9	91.5	5.1	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	1700	1876.9	mg/Kg	350.3	75	125			M3
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	1700	1996.2	mg/Kg	586.5	75	125	6.16	20	M3

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Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.04893	mg/L	97.9	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	72.9		68.1	mg/Kg		56.5	89.2			
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	72.9		67.45	mg/Kg		56.5	89.2	1	20	
L70511-02MS	MS	07/29/08 17:47	MS080707-3	25.25	13	34.486	mg/Kg	85.1	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	25.25	13	34.547	mg/Kg	85.3	75	125	0.18	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.9811	mg/L	99.1	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.015	0.015			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-1.5	1.5			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	466		450.78	mg/Kg		379	552			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	466		467.84	mg/Kg		379	552	3.7	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	456	575.18	mg/Kg	236	75	125			M3
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	456	566.67	mg/Kg	219.1	75	125	1.49	20	M3

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248517													
WG248517ICV	ICV	07/22/08 20:07	II080721-4	.01002		.01038	mg/L	103.6	90	110			
WG248517ICB	ICB	07/22/08 20:09				U	mg/L		-0.0006	0.0006			
WG248517PBS	PBS	07/22/08 20:12				U	mg/Kg		-0.12	0.12			
WG248517LCSS	LCSS	07/22/08 20:14	PCN28813	5.8		5.63	mg/Kg		3.83	7.69			
WG248517LCSSD	LCSSD	07/22/08 20:16	PCN28813	5.8		5.61	mg/Kg		3.83	7.69	0.4	20	
L70512-10MS	MS	07/22/08 20:20	II080701-4	1.005	.16	1.122	mg/Kg	95.7	85	115			
L70512-10MSD	MSD	07/22/08 20:22	II080701-4	1.005	.16	1.095	mg/Kg	93	85	115	2.44	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		2.013	mg/L	100.7	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	1700		177.4	mg/Kg		132	208			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	1700		179.6	mg/Kg		132	208	1.2	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	75	129.5	mg/Kg	107.9	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	75	141.2	mg/Kg	131.1	75	125	8.64	20	MA

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Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.909	mg/L	95.5	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	84.3		86.2	mg/Kg		66.3	102			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	84.3		90.5	mg/Kg		66.3	102	4.9	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	15	71.1	mg/Kg	111.1	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	15	69.9	mg/Kg	108.7	75	125	1.7	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.05202	mg/L	104	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				.06	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	198		196.1	mg/Kg		152	244			E6
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	198		204.45	mg/Kg		152	244	4.2	20	E6
L70511-02MS	MS	07/29/08 17:47	MS080707-3	12.625	.3	11.115	mg/Kg	85.7	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	12.625	.3	10.883	mg/Kg	83.8	75	125	2.11	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248223													
WG248223PBS	PBS	07/16/08 16:30				U	%		99.9	100.1			
L70511-03DUP	DUP	07/16/08 20:41			95.6	95.45	%				0.2	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.05263	mg/L	105.3	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.15	0.15			
WG248368LCSS	LCSS	07/29/08 17:13	PCN30060	218		207.2	mg/Kg		177	260			
WG248368LCSSD	LCSSD	07/29/08 17:20	PCN30060	218		220.05	mg/Kg		177	260	6	20	
L70511-02MS	MS	07/29/08 17:47	MS080707-3	25.3005	.22	23.079	mg/Kg	90.3	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	25.3005	.22	22.271	mg/Kg	87.2	75	125	3.56	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248917													
WG248917ICV	ICV	07/29/08 16:32	MS080722-4	.05		.0488	mg/L	97.6	90	110			
WG248917ICB	ICB	07/29/08 16:39				U	mg/L		-0.0003	0.0003			
WG248368PBS	PBS	07/29/08 17:06				U	mg/Kg		-0.15	0.15			
L70511-02MS	MS	07/29/08 17:47	MS080707-3	12.625	3.96	14.903	mg/Kg	86.7	75	125			
L70511-02MSD	MSD	07/29/08 17:53	MS080707-3	12.625	3.96	15.261	mg/Kg	89.5	75	125	2.37	20	

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Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248655													
WG248655ICV	ICV	07/23/08 22:56	II080717-1	2		1.961	mg/L	98.1	90	110			
WG248655ICB	ICB	07/23/08 23:00				U	mg/L		-0.03	0.03			
WG248368PBS	PBS	07/23/08 23:13				U	mg/Kg		-3	3			
WG248368LCSS	LCSS	07/23/08 23:17	PCN30060	204		201.2	mg/Kg		166	243			
WG248368LCSSD	LCSSD	07/23/08 23:21	PCN30060	204		201.9	mg/Kg		166	243	0.3	20	
L70511-01MS	MS	07/23/08 23:31	II080708-3	50.5	158	216.2	mg/Kg	115.2	75	125			
L70511-01MSD	MSD	07/23/08 23:35	II080708-3	50.5	158	219.5	mg/Kg	121.8	75	125	1.51	20	

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70514-01	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70514-02	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70514-03	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70514-04	WG248917	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248655	Barium, total (3050)	M6010B ICP	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.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248917	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70514
Date Received: 7/16/2008
Received By:
Date Printed: 7/16/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2084	2.6	16

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70514
Date Received: 7/16/2008
Received By:

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
L70514-01	EV-JS-01-5-7									X		
L70514-02	EV-JS-02-0-1									X		
L70514-03	EV-JS-02-1-3									X		
L70514-04	EV-JS-02-5-7									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: _____

ACZ Laboratories, Inc. L70514

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI-Sierrita
E-mail: Ned-Hall @ FMI @ COM

Address: 6200 W. Duval Mine Rd
P.O. Box 527, Green Valley, AZ
Telephone: (520) 648-8857

Copy of Report to:

Name:
Company:

E-mail: Steven-Vaughn @ URSCorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI-Sierrita
E-mail: Ned-Hall @ FMI.com

Address: 6200 W. Duval Mine Rd
Green Valley, AZ P.O. Box 527
Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO#: OJ07R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/2008
EV-JS-01-5-7	7-14-08 1355	SO	1	↓
EV-JS-02-0-1	7-14-08 1445	↓	1	↓
EV-JS-02-1-3	7-14-08 1445	↓	1	↓
EV-JS-02-5-7	7-14-08 1455	↓	1	↓

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

REMARKS/ SAMPLE DISCLOSURES

Fedex 7984 7996 3230

PAGE of

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	7-15-08 1540	To Fedex	
		WPL	7/16/08 10:02

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01 D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 08, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70543

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 17, 2008. This project has been assigned to ACZ's project number, L70543. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70543. 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 September 08, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

August 08, 2008

Project ID: OJ07R9
ACZ Project ID: L70543

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 8 soil samples from FMI Gold & Copper - Sierrita on July 17, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70543. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Samples were received outside the EPA recommended temperature of 0-6 degrees C.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-01-0-1

ACZ Sample ID: ***L70543-01***
Date Sampled: *07/15/08 09:45*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	07/31/08 3:16	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	7.3			mg/Kg	0.3	0.5	07/31/08 3:16	erf/msh
Barium, total (3050)	M6010B ICP	654		*	mg/Kg	0.3	2	07/31/08 13:11	nek/aeh
Beryllium, total (3050)	M6010B ICP	1.3			mg/Kg	0.2	1	07/31/08 13:11	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:11	nek/aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/08/08 3:08	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/31/08 13:11	nek/aeh
Copper, total (3050)	M6010B ICP	1390		*	mg/Kg	1	5	07/31/08 13:11	nek/aeh
Lead, total (3050)	M6020 ICP-MS	5.93			mg/Kg	0.05	0.3	08/06/08 19:21	msh
Manganese, total (3050)	M6010B ICP	297		*	mg/Kg	0.5	3	07/31/08 13:11	nek/aeh
Mercury, total	M7471A CVAA	0.06	B		mg/Kg	0.05	0.2	07/25/08 20:44	pmc
Molybdenum, total (3050)	M6010B ICP	15		*	mg/Kg	1	5	07/31/08 13:11	nek/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/31/08 13:11	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.28	B		mg/Kg	0.05	0.3	08/06/08 19:21	msh
Thallium, total (3050)	M6020 ICP-MS	0.30		*	mg/Kg	0.05	0.3	07/31/08 3:16	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.36		*	mg/Kg	0.05	0.3	07/31/08 3:16	erf/msh
Zinc, total (3050)	M6010B ICP	45			mg/Kg	1	5	07/31/08 13:11	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	81.1		*	%	0.1	0.5	07/17/08 18:04	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:15	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 10:52	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:02	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-01-1-3

ACZ Sample ID: ***L70543-02***
Date Sampled: *07/15/08 09:45*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	07/31/08 3:29	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	12.3			mg/Kg	0.3	0.5	07/31/08 3:29	erf/msh
Barium, total (3050)	M6010B ICP	336		*	mg/Kg	0.3	2	07/31/08 13:30	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	07/31/08 13:30	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:30	nek/aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/08/08 3:30	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	07/31/08 13:30	nek/aeh
Copper, total (3050)	M6010B ICP	781		*	mg/Kg	1	5	07/31/08 13:30	nek/aeh
Lead, total (3050)	M6020 ICP-MS	7.40			mg/Kg	0.05	0.3	08/06/08 19:27	msh
Manganese, total (3050)	M6010B ICP	379		*	mg/Kg	0.5	3	07/31/08 13:30	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 20:52	pmc
Molybdenum, total (3050)	M6010B ICP	53		*	mg/Kg	1	5	07/31/08 13:30	nek/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/31/08 13:30	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.69			mg/Kg	0.05	0.3	08/06/08 19:27	msh
Thallium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.05	0.3	07/31/08 3:29	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.29		*	mg/Kg	0.05	0.3	07/31/08 3:29	erf/msh
Zinc, total (3050)	M6010B ICP	39			mg/Kg	1	5	07/31/08 13:30	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.9		*	%	0.1	0.5	07/17/08 19:44	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:16	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 11:45	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:05	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-01-5-7

ACZ Sample ID: ***L70543-03***
Date Sampled: *07/15/08 09:55*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	5.9		*	mg/Kg	0.2	1	07/31/08 3:50	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	32.8			mg/Kg	0.3	0.5	07/31/08 3:50	erf/msh
Barium, total (3050)	M6010B ICP	130		*	mg/Kg	0.3	2	07/31/08 13:34	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	07/31/08 13:34	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:34	nek/aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/08/08 3:34	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	07/31/08 13:34	nek/aeh
Copper, total (3050)	M6010B ICP	822		*	mg/Kg	1	5	07/31/08 13:34	nek/aeh
Lead, total (3050)	M6020 ICP-MS	44.30			mg/Kg	0.05	0.3	08/06/08 19:59	msh
Manganese, total (3050)	M6010B ICP	482		*	mg/Kg	0.5	3	07/31/08 13:34	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 20:54	pmc
Molybdenum, total (3050)	M6010B ICP	34		*	mg/Kg	1	5	07/31/08 13:34	nek/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/31/08 13:34	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.24	B		mg/Kg	0.05	0.3	08/06/08 19:59	msh
Thallium, total (3050)	M6020 ICP-MS	0.39		*	mg/Kg	0.05	0.3	07/31/08 3:50	erf/msh
Uranium, total (3050)	M6020 ICP-MS	5.11		*	mg/Kg	0.05	0.3	07/31/08 3:50	erf/msh
Zinc, total (3050)	M6010B ICP	42			mg/Kg	1	5	07/31/08 13:34	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.3		*	%	0.1	0.5	07/17/08 20:33	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:18	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 12:37	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:08	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-JS-01-10-12

ACZ Sample ID: ***L70543-04***
Date Sampled: *07/15/08 10:40*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.7	B	*	mg/Kg	0.2	1	07/31/08 4:11	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	28.1			mg/Kg	0.3	0.5	07/31/08 4:11	erf/msh
Barium, total (3050)	M6010B ICP	159		*	mg/Kg	0.3	2	07/31/08 13:37	nek/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	1	5	08/03/08 0:00	nek/erf
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	3	8	08/03/08 0:00	nek/erf
Chromium, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/08/08 3:37	aeh
Cobalt, total (3050)	M6010B ICP	18	B	*	mg/Kg	5	30	08/03/08 0:00	nek/erf
Copper, total (3050)	M6010B ICP	506		*	mg/Kg	5	30	08/03/08 0:00	nek/erf
Lead, total (3050)	M6020 ICP-MS	8.98			mg/Kg	0.05	0.3	08/06/08 20:06	msh
Manganese, total (3050)	M6010B ICP	1240		*	mg/Kg	3	10	08/03/08 0:00	nek/erf
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 20:56	pmc
Molybdenum, total (3050)	M6010B ICP	200		*	mg/Kg	5	30	08/03/08 0:00	nek/erf
Nickel, total (3050)	M6010B ICP	14	B		mg/Kg	5	30	08/03/08 0:00	nek/erf
Selenium, total (3050)	M6020 ICP-MS	1.68			mg/Kg	0.05	0.3	08/06/08 20:06	msh
Thallium, total (3050)	M6020 ICP-MS	0.36		*	mg/Kg	0.05	0.3	07/31/08 4:11	erf/msh
Uranium, total (3050)	M6020 ICP-MS	7.77		*	mg/Kg	0.05	0.3	07/31/08 4:11	erf/msh
Zinc, total (3050)	M6010B ICP	65		*	mg/Kg	5	30	08/03/08 0:00	nek/erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.4		*	%	0.1	0.5	07/17/08 21:23	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:20	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 12:55	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:10	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P04-0-1

ACZ Sample ID: ***L70543-05***
Date Sampled: *07/15/08 11:10*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 4:18	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.6			mg/Kg	0.3	0.5	07/31/08 4:18	erf/msh
Barium, total (3050)	M6010B ICP	206		*	mg/Kg	0.3	2	07/31/08 13:40	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/31/08 13:40	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:40	nek/aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/08/08 3:41	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/31/08 13:40	nek/aeh
Copper, total (3050)	M6010B ICP	626		*	mg/Kg	1	5	07/31/08 13:40	nek/aeh
Lead, total (3050)	M6020 ICP-MS	4.87			mg/Kg	0.05	0.3	08/06/08 20:12	msh
Manganese, total (3050)	M6010B ICP	275		*	mg/Kg	0.5	3	07/31/08 13:40	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 20:59	pmc
Molybdenum, total (3050)	M6010B ICP	33		*	mg/Kg	1	5	07/31/08 13:40	nek/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/31/08 13:40	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.48			mg/Kg	0.05	0.3	08/06/08 20:12	msh
Thallium, total (3050)	M6020 ICP-MS	0.37		*	mg/Kg	0.05	0.3	07/31/08 4:18	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.77		*	mg/Kg	0.05	0.3	07/31/08 4:18	erf/msh
Zinc, total (3050)	M6010B ICP	34			mg/Kg	1	5	07/31/08 13:40	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.2		*	%	0.1	0.5	07/17/08 22:13	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:22	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 13:12	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:13	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P04-1-3

ACZ Sample ID: ***L70543-06***
Date Sampled: *07/15/08 11:21*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 4:25	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.0			mg/Kg	0.3	0.5	07/31/08 4:25	erf/msh
Barium, total (3050)	M6010B ICP	154		*	mg/Kg	0.3	2	07/31/08 13:43	nek/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/31/08 13:43	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:43	nek/aeh
Chromium, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/08/08 3:45	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/31/08 13:43	nek/aeh
Copper, total (3050)	M6010B ICP	518		*	mg/Kg	1	5	07/31/08 13:43	nek/aeh
Lead, total (3050)	M6020 ICP-MS	1.20			mg/Kg	0.05	0.3	08/06/08 20:18	msh
Manganese, total (3050)	M6010B ICP	295		*	mg/Kg	0.5	3	07/31/08 13:43	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:05	pmc
Molybdenum, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	07/31/08 13:43	nek/aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/31/08 13:43	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.07	B		mg/Kg	0.05	0.3	08/06/08 20:18	msh
Thallium, total (3050)	M6020 ICP-MS	0.29	B	*	mg/Kg	0.05	0.3	07/31/08 4:25	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.41		*	mg/Kg	0.05	0.3	07/31/08 4:25	erf/msh
Zinc, total (3050)	M6010B ICP	39			mg/Kg	1	5	07/31/08 13:43	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.4		*	%	0.1	0.5	07/17/08 23:03	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:23	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 13:30	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:16	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P05-0-1

ACZ Sample ID: ***L70543-07***
Date Sampled: *07/15/08 13:15*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 4:32	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.6			mg/Kg	0.3	0.5	07/31/08 4:32	erf/msh
Barium, total (3050)	M6010B ICP	115		*	mg/Kg	0.3	2	07/31/08 13:47	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/31/08 13:47	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:47	nek/aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/08/08 3:48	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	07/31/08 13:47	nek/aeh
Copper, total (3050)	M6010B ICP	973		*	mg/Kg	1	5	07/31/08 13:47	nek/aeh
Lead, total (3050)	M6020 ICP-MS	7.41			mg/Kg	0.05	0.3	08/06/08 20:25	msh
Manganese, total (3050)	M6010B ICP	330		*	mg/Kg	0.5	3	07/31/08 13:47	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:08	pmc
Molybdenum, total (3050)	M6010B ICP	72		*	mg/Kg	1	5	07/31/08 13:47	nek/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/31/08 13:47	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.34			mg/Kg	0.05	0.3	08/06/08 20:25	msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	07/31/08 4:32	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.75		*	mg/Kg	0.05	0.3	07/31/08 4:32	erf/msh
Zinc, total (3050)	M6010B ICP	55			mg/Kg	1	5	07/31/08 13:47	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.5		*	%	0.1	0.5	07/17/08 23:52	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:25	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 13:47	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:19	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P05-1-3

ACZ Sample ID: ***L70543-08***
Date Sampled: *07/15/08 13:33*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 4:39	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.1			mg/Kg	0.3	0.5	07/31/08 4:39	erf/msh
Barium, total (3050)	M6010B ICP	197		*	mg/Kg	0.3	2	07/31/08 13:50	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/31/08 13:50	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:50	nek/aeh
Chromium, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/08/08 3:52	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/31/08 13:50	nek/aeh
Copper, total (3050)	M6010B ICP	289		*	mg/Kg	1	5	07/31/08 13:50	nek/aeh
Lead, total (3050)	M6020 ICP-MS	2.05			mg/Kg	0.05	0.3	08/06/08 20:31	msh
Manganese, total (3050)	M6010B ICP	307		*	mg/Kg	0.5	3	07/31/08 13:50	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:11	pmc
Molybdenum, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	07/31/08 13:50	nek/aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/31/08 13:50	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.07	B		mg/Kg	0.05	0.3	08/06/08 20:31	msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	07/31/08 4:39	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.16		*	mg/Kg	0.05	0.3	07/31/08 4:39	erf/msh
Zinc, total (3050)	M6010B ICP	29			mg/Kg	1	5	07/31/08 13:50	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.3		*	%	0.1	0.5	07/18/08 0:42	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:27	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 14:05	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:21	brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.02006		.02065	mg/L	102.9	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0012	0.0012			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.6	0.6			
WG248690LCSS	LCSS	07/31/08 3:02	PCN30060	101		104.6	mg/Kg		16.7	185			
WG248690LCSSD	LCSSD	07/31/08 3:09	PCN30060	101		108.2	mg/Kg		16.7	185	3.4	20	
L70543-02MS	MS	07/31/08 3:36	MS080707-3	5.1	.4	2.05	mg/Kg	32.4	75	125			M2
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	5.1	.4	2.18	mg/Kg	34.9	75	125	6.15	20	M2
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	4		4.319	mg/L	108	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.06	0.06			

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.05		.05061	mg/L	101.2	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0015	0.0015			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.9	0.9			
WG248690LCSS	LCSS	07/31/08 3:02	PCN30060	156		146.2	mg/Kg		124	188			
WG248690LCSSD	LCSSD	07/31/08 3:09	PCN30060	156		160.8	mg/Kg		124	188	9.5	20	
L70543-02MS	MS	07/31/08 3:36	MS080707-3	25.5	12.3	36.17	mg/Kg	93.6	75	125			
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	25.5	12.3	40.32	mg/Kg	109.9	75	125	10.85	20	
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	4		4.077	mg/L	101.9	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.12	0.12			

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		2.1044	mg/L	105.2	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.009	0.009			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-0.9	0.9			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	362		373.72	mg/Kg		299	424			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	362		404.41	mg/Kg		299	424	7.9	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	654	512.28	mg/Kg	-272.5	75	125			M3
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	654	413.89	mg/Kg	-461.8	75	125	21.25	20	M3 RD

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.9844	mg/L	99.2	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.006	0.006			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-0.6	0.6			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	140		143.96	mg/Kg		115	166			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	140		156.27	mg/Kg		115	166	8.2	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	1.3	54.24	mg/Kg	101.8	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	1.3	54.63	mg/Kg	102.6	75	125	0.72	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.9291	mg/L	96.5	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.006	0.006			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-0.6	0.6			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	140		136.6	mg/Kg		115	166			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	140		148.79	mg/Kg		115	166	8.5	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	1.1	50.62	mg/Kg	95.2	75	125			
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	1.1	51.57	mg/Kg	97.1	75	125	1.86	20	

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.9592	mg/L	98	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.015	0.015			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-1.5	1.5			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	141		138.37	mg/Kg		114	169			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	141		145.54	mg/Kg		114	169	5.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	U	47.69	mg/Kg	91.7	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	U	47.99	mg/Kg	92.3	75	125	0.63	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.9366	mg/L	96.8	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.015	0.015			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-1.5	1.5			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	141		134.13	mg/Kg		114	169			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	141		141.81	mg/Kg		114	169	5.6	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	U	45.75	mg/Kg	88	75	125			
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	U	46.49	mg/Kg	89.4	75	125	1.6	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249597													
WG249597ICV	ICV	08/08/08 2:39	II080717-1	2		1.969	mg/L	98.5	90	110			
WG249597ICB	ICB	08/08/08 2:43				U	mg/L		-0.03	0.03			
WG249340PBS	PBS	08/08/08 2:57				U	mg/Kg		-3	3			
WG249340LCSS	LCSS	08/08/08 3:01	PCN30060	76.3		80.2	mg/Kg		61.5	91			
WG249340LCSSD	LCSSD	08/08/08 3:05	PCN30060	76.3		78.8	mg/Kg		61.5	91	1.8	20	
L70543-01MS	MS	08/08/08 3:16	II080730-2	52	8	51.8	mg/Kg	84.2	75	125			
L70543-01MSD	MSD	08/08/08 3:19	II080730-2	52	8	53.8	mg/Kg	88.1	75	125	3.79	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.92	mg/L	96	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	83.9		83.7	mg/Kg		68.1	99.7			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	83.9		88.4	mg/Kg		68.1	99.7	5.5	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	8	56.5	mg/Kg	93.3	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	8	57.5	mg/Kg	95.2	75	125	1.75	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.889	mg/L	94.5	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.03	0.03			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	83.9		80.4	mg/Kg		68.1	99.7			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	83.9		85.6	mg/Kg		68.1	99.7	6.3	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	8	54.9	mg/Kg	90.2	75	125			
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	8	55	mg/Kg	90.4	75	125	0.18	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		2.033	mg/L	101.7	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	77.2		79.3	mg/Kg		62.9	91.5			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	77.2		86.9	mg/Kg		62.9	91.5	9.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	1390	1486.7	mg/Kg	186	75	125			M3
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	1390	1447.8	mg/Kg	111.2	75	125	2.65	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.953	mg/L	97.7	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.03	0.03			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	77.2		71.3	mg/Kg		62.9	91.5			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	77.2		78.5	mg/Kg		62.9	91.5	9.6	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	1310	1390.3	mg/Kg	154.4	75	125			M3
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	1310	1368.9	mg/Kg	113.3	75	125	1.55	20	

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249415													
WG249415ICV	ICV	08/06/08 18:29	MS080722-4	.05		.0505	mg/L	101	90	110			
WG249415ICB	ICB	08/06/08 18:36				U	mg/L		-0.0003	0.0003			
WG249340PBS	PBS	08/06/08 19:02				U	mg/Kg		-0.15	0.15			
WG249340LCSS	LCSS	08/06/08 19:08	PCN30060	72.9		70.85	mg/Kg		56.5	89.2			
WG249340LCSSD	LCSSD	08/06/08 19:14	PCN30060	72.9		71.75	mg/Kg		56.5	89.2	1.3	20	
L70543-02MS	MS	08/06/08 19:34	MS080707-3	25.5	7.4	31.345	mg/Kg	93.9	75	125			
L70543-02MSD	MSD	08/06/08 19:40	MS080707-3	25.5	7.4	30.845	mg/Kg	91.9	75	125	1.61	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.9937	mg/L	99.7	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.015	0.015			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-1.5	1.5			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	466		486.93	mg/Kg		379	552			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	466		507.29	mg/Kg		379	552	4.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	297	396.81	mg/Kg	191.9	75	125			M3
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	297	349.12	mg/Kg	100.2	75	125	12.79	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.9513	mg/L	97.6	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.015	0.015			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-1.5	1.5			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	466		466.48	mg/Kg		379	552			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	466		487.89	mg/Kg		379	552	4.5	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	283	374.14	mg/Kg	175.3	75	125			M3
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	283	332.4	mg/Kg	95	75	125	11.82	20	

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248682													
WG248682ICV	ICV	07/25/08 20:33	II080721-4	.01002		.00979	mg/L	97.7	90	110			
WG248682ICB	ICB	07/25/08 20:35				U	mg/L		-0.0006	0.0006			
WG248682PBS	PBS	07/25/08 20:38				U	mg/Kg		-0.12	0.12			
WG248682LCSS	LCSS	07/25/08 20:40	PCN28813	5.8		5.85	mg/Kg		3.83	7.69			
WG248682LCSSD	LCSSD	07/25/08 20:42	PCN28813	5.8		6.11	mg/Kg		3.83	7.69	4.3	20	
L70543-01MS	MS	07/25/08 20:47	II080701-4	1.195	.06	1.264	mg/Kg	100.8	85	115			
L70543-01MSD	MSD	07/25/08 20:49	II080701-4	1.185	.06	1.283	mg/Kg	103.2	85	115	1.49	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.998	mg/L	99.9	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	1700		181.4	mg/Kg		132	208			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	1700		189	mg/Kg		132	208	4.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	15	61.6	mg/Kg	89.6	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	15	61.8	mg/Kg	90	75	125	0.32	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.983	mg/L	99.2	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.03	0.03			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	1700		176.3	mg/Kg		132	208			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	1700		182.4	mg/Kg		132	208	3.4	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	15	59.5	mg/Kg	85.6	75	125			
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	15	59.7	mg/Kg	86	75	125	0.34	20	

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.922	mg/L	96.1	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	84.3		83.4	mg/Kg		66.3	102			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	84.3		87.7	mg/Kg		66.3	102	5	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	8	56.8	mg/Kg	93.8	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	8	56.5	mg/Kg	93.3	75	125	0.53	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.885	mg/L	94.3	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.03	0.03			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	84.3		80	mg/Kg		66.3	102			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	84.3		85.3	mg/Kg		66.3	102	6.4	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	8	54.4	mg/Kg	89.2	75	125			
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	8	54.9	mg/Kg	90.2	75	125	0.91	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

Project ID: OJ07R9

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249415													
WG249415ICV	ICV	08/06/08 18:29	MS080722-4	.05		.05133	mg/L	102.7	90	110			
WG249415ICB	ICB	08/06/08 18:36				U	mg/L		-0.0003	0.0003			
WG249340PBS	PBS	08/06/08 19:02				U	mg/Kg		-0.15	0.15			
WG249340LCSS	LCSS	08/06/08 19:08	PCN30060	198		210.4	mg/Kg		152	244			
WG249340LCSSD	LCSSD	08/06/08 19:14	PCN30060	198		212.4	mg/Kg		152	244	0.9	20	
L70543-02MS	MS	08/06/08 19:34	MS080707-3	12.75	.69	12.352	mg/Kg	91.5	75	125			
L70543-02MSD	MSD	08/06/08 19:40	MS080707-3	12.75	.69	12.459	mg/Kg	92.3	75	125	0.86	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248307													
WG248307PBS	PBS	07/17/08 17:15				U	%		99.9	100.1			
L70543-01DUP	DUP	07/17/08 18:54			81.1	82.85	%				2.1	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.05		.05246	mg/L	104.9	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0003	0.0003			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.15	0.15			
WG248690LCSS	LCSS	07/31/08 3:02	PCN30060	218		211.8	mg/Kg		177	260			
WG248690LCSSD	LCSSD	07/31/08 3:09	PCN30060	218		230.35	mg/Kg		177	260	8.4	20	
L70543-02MS	MS	07/31/08 3:36	MS080707-3	25.551	U	24.271	mg/Kg	95	75	125			
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	25.551	U	24.541	mg/Kg	96	75	125	1.11	20	
WG248994													
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.9	0.9			

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.05		.04965	mg/L	99.3	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0003	0.0003			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.15	0.15			
L70543-02MS	MS	07/31/08 3:36	MS080707-3	12.75	4.29	17.814	mg/Kg	106.1	75	125			
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	12.75	4.29	17.896	mg/Kg	106.7	75	125	0.46	20	

FMI Gold & Copper - Sierrita
Project ID: OJ07R9

ACZ Project ID: ***L70543***

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.972	mg/L	98.6	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	204		195.4	mg/Kg		166	243			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	204		214.4	mg/Kg		166	243	9.3	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	45	97.7	mg/Kg	101.3	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	45	98.7	mg/Kg	103.3	75	125	1.02	20	
WG249280													
WG249280ICV	ICV	08/02/08 23:02	II080717-1	2		1.95	mg/L	97.5	90	110			
WG249280ICB	ICB	08/02/08 23:06				U	mg/L		-0.03	0.03			
WG248690PBS	PBS	08/02/08 23:20				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	08/02/08 23:24	PCN30060	204		190.1	mg/Kg		166	243			
WG248690LCSSD	LCSSD	08/02/08 23:27	PCN30060	204		210	mg/Kg		166	243	9.9	20	
L70543-01MS	MS	08/02/08 23:38	II080708-3	52	43	93.6	mg/Kg	97.3	75	125			
L70543-01MSD	MSD	08/02/08 23:42	II080708-3	52	43	96.1	mg/Kg	102.1	75	125	2.64	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70543-01	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70543-02	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70543-03	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70543-04	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249280	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG249280	Zinc, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70543-05	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70543-06	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70543***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70543-07	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70543-08	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70543
Date Received: 7/17/2008
Received By:
Date Printed: 7/17/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2118	7.5	14

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70543
Date Received: 7/17/2008
Received By:

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
L70543-01	CP-JS-01-0-1									X		
L70543-02	CP-JS-01-1-3									X		
L70543-03	CP-JS-01-5-7									X		
L70543-04	CP-JS-01-10-12									X		
L70543-05	CP-P04-0-1									X		
L70543-06	CP-P04-1-3									X		
L70543-07	CP-P05-0-1									X		
L70543-08	CP-P05-1-3									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: _____

ACZ Laboratories, Inc. L70543

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

CHAIN of CUSTODY

Report to:

Name: NED HALL
Company: FMI - SIERRITA
E-mail: ned_hall@fmi.com
Address: 6200 W. DUVAL MINE RD PO BOX 527 GREEN VALLEY AZ
Telephone: 520-648-8857

Copy of Report to:

Name:
Company:
E-mail: steven_vaughn@urscorp.com
Telephone:

Invoice to:

Name: NED HALL
Company: FMI - SIERRITA
E-mail: ned_hall@fmi.com
Address: 6200 W. DUVAL MINE RD PO BOX 527
Telephone: 520-648-8857

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.

PROJECT INFORMATION

Quote #:
Project (PO #): 0J0729
Reporting state for compliance testing:
Sampler's Name: ARMANDO JIMENEZ
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached Quote 7/8/2008
CP-JS-01-0-1	7-15-08 945	SO	1	
CP-JS-01-1-3	7-15-08 945		1	
CP-JS-01-5-7	7-15-08 955		1	
CP-JS-01-10-12	7-15-08 1040		1	
CP-P04-0-1	7-15-08 1110		1	
CP-P04-1-3	7-15-08 1121		1	
CP-P05-0-1	7-15-08 1315		1	
CP-P05-1-3	7-15-08 1333		1	

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

REMARKS/ SAMPLE DISCLOSURES

Fedex 7993 5287 2402

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	7-15-08 1439	To Fedex	7-17-0810:50

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 08, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70544

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 17, 2008. This project has been assigned to ACZ's project number, L70544. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70544. 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 September 08, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-01-0-1.5

ACZ Sample ID: ***L70544-01***
Date Sampled: *07/16/08 08:30*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 4:46	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.1			mg/Kg	0.3	0.5	07/31/08 4:46	erf/msh
Barium, total (3050)	M6010B ICP	145		*	mg/Kg	0.3	2	07/31/08 13:53	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/31/08 13:53	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:53	nek/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/08/08 3:56	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/31/08 13:53	nek/aeh
Copper, total (3050)	M6010B ICP	979		*	mg/Kg	1	5	07/31/08 13:53	nek/aeh
Lead, total (3050)	M6020 ICP-MS	5.49			mg/Kg	0.05	0.3	08/06/08 20:38	msh
Manganese, total (3050)	M6010B ICP	342		*	mg/Kg	0.5	3	07/31/08 13:53	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:13	pmc
Molybdenum, total (3050)	M6010B ICP	121		*	mg/Kg	1	5	07/31/08 13:53	nek/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/31/08 13:53	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.37			mg/Kg	0.05	0.3	08/06/08 20:38	msh
Thallium, total (3050)	M6020 ICP-MS	0.23	B	*	mg/Kg	0.05	0.3	07/31/08 4:46	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.04		*	mg/Kg	0.05	0.3	07/31/08 4:46	erf/msh
Zinc, total (3050)	M6010B ICP	49			mg/Kg	1	5	07/31/08 13:53	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.9		*	%	0.1	0.5	07/18/08 1:32	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:29	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 14:22	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:45	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-01-1.5-3.0

ACZ Sample ID: ***L70544-02***
Date Sampled: *07/16/08 08:30*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 4:53	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.0			mg/Kg	0.3	0.5	07/31/08 4:53	erf/msh
Barium, total (3050)	M6010B ICP	140		*	mg/Kg	0.3	2	07/31/08 13:57	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/31/08 13:57	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 13:57	nek/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/08/08 3:59	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	07/31/08 13:57	nek/aeh
Copper, total (3050)	M6010B ICP	253		*	mg/Kg	1	5	07/31/08 13:57	nek/aeh
Lead, total (3050)	M6020 ICP-MS	1.72			mg/Kg	0.05	0.3	08/06/08 20:44	msh
Manganese, total (3050)	M6010B ICP	314		*	mg/Kg	0.5	3	07/31/08 13:57	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:15	pmc
Molybdenum, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	07/31/08 13:57	nek/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/31/08 13:57	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.08	B		mg/Kg	0.05	0.3	08/06/08 20:44	msh
Thallium, total (3050)	M6020 ICP-MS	0.25	B	*	mg/Kg	0.05	0.3	07/31/08 4:53	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.34		*	mg/Kg	0.05	0.3	07/31/08 4:53	erf/msh
Zinc, total (3050)	M6010B ICP	30			mg/Kg	1	5	07/31/08 13:57	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.3		*	%	0.1	0.5	07/18/08 2:22	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:30	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 14:40	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:46	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-02-0-1.5

ACZ Sample ID: ***L70544-03***
Date Sampled: *07/16/08 09:08*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:00	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.1			mg/Kg	0.3	0.5	07/31/08 5:00	erf/msh
Barium, total (3050)	M6010B ICP	117		*	mg/Kg	0.3	2	07/31/08 14:00	nek/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/31/08 14:00	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:00	nek/aeh
Chromium, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/08/08 4:03	aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	07/31/08 14:00	nek/aeh
Copper, total (3050)	M6010B ICP	451		*	mg/Kg	1	5	07/31/08 14:00	nek/aeh
Lead, total (3050)	M6020 ICP-MS	4.00			mg/Kg	0.05	0.3	08/06/08 20:50	msh
Manganese, total (3050)	M6010B ICP	207		*	mg/Kg	0.5	3	07/31/08 14:00	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:18	pmc
Molybdenum, total (3050)	M6010B ICP	32		*	mg/Kg	1	5	07/31/08 14:00	nek/aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/31/08 14:00	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.31			mg/Kg	0.05	0.3	08/06/08 20:50	msh
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	07/31/08 5:00	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.50		*	mg/Kg	0.05	0.3	07/31/08 5:00	erf/msh
Zinc, total (3050)	M6010B ICP	31			mg/Kg	1	5	07/31/08 14:00	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.8		*	%	0.1	0.5	07/18/08 3:11	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:32	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 14:57	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:48	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-02-1.5-3.0

ACZ Sample ID: ***L70544-04***
Date Sampled: *07/16/08 09:08*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:07	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.5			mg/Kg	0.3	0.5	07/31/08 5:07	erf/msh
Barium, total (3050)	M6010B ICP	41.1		*	mg/Kg	0.3	2	07/31/08 14:10	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	07/31/08 14:10	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:10	nek/aeh
Chromium, total (3050)	M6010B ICP	2	B	*	mg/Kg	1	5	08/08/08 4:14	aeh
Cobalt, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	07/31/08 14:10	nek/aeh
Copper, total (3050)	M6010B ICP	780		*	mg/Kg	1	5	07/31/08 14:10	nek/aeh
Lead, total (3050)	M6020 ICP-MS	3.78			mg/Kg	0.05	0.3	08/06/08 20:57	msh
Manganese, total (3050)	M6010B ICP	148		*	mg/Kg	0.5	3	07/31/08 14:10	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:20	pmc
Molybdenum, total (3050)	M6010B ICP	18		*	mg/Kg	1	5	07/31/08 14:10	nek/aeh
Nickel, total (3050)	M6010B ICP	2	B		mg/Kg	1	5	07/31/08 14:10	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.21	B		mg/Kg	0.05	0.3	08/06/08 20:57	msh
Thallium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.05	0.3	07/31/08 5:07	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.82		*	mg/Kg	0.05	0.3	07/31/08 5:07	erf/msh
Zinc, total (3050)	M6010B ICP	30			mg/Kg	1	5	07/31/08 14:10	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.1		*	%	0.1	0.5	07/18/08 4:01	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:34	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 15:15	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:50	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-06-0-1.5

ACZ Sample ID: ***L70544-05***
Date Sampled: *07/16/08 09:26*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:14	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.7			mg/Kg	0.3	0.5	07/31/08 5:14	erf/msh
Barium, total (3050)	M6010B ICP	177		*	mg/Kg	0.3	2	07/31/08 14:13	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	07/31/08 14:13	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:13	nek/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/08/08 4:17	aeh
Cobalt, total (3050)	M6010B ICP	17		*	mg/Kg	1	5	07/31/08 14:13	nek/aeh
Copper, total (3050)	M6010B ICP	976		*	mg/Kg	1	5	07/31/08 14:13	nek/aeh
Lead, total (3050)	M6020 ICP-MS	4.17			mg/Kg	0.05	0.3	08/06/08 21:16	msh
Manganese, total (3050)	M6010B ICP	447		*	mg/Kg	0.5	3	07/31/08 14:13	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:22	pmc
Molybdenum, total (3050)	M6010B ICP	43		*	mg/Kg	1	5	07/31/08 14:13	nek/aeh
Nickel, total (3050)	M6010B ICP	10			mg/Kg	1	5	07/31/08 14:13	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.46			mg/Kg	0.05	0.3	08/06/08 21:16	msh
Thallium, total (3050)	M6020 ICP-MS	0.29	B	*	mg/Kg	0.05	0.3	07/31/08 5:14	erf/msh
Uranium, total (3050)	M6020 ICP-MS	5.54		*	mg/Kg	0.05	0.3	07/31/08 5:14	erf/msh
Zinc, total (3050)	M6010B ICP	86			mg/Kg	1	5	07/31/08 14:13	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.6		*	%	0.1	0.5	07/18/08 4:51	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:36	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 15:32	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:51	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-06-1.5-3.0

ACZ Sample ID: ***L70544-06***
Date Sampled: *07/16/08 09:26*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:35	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	4.0			mg/Kg	0.3	0.5	07/31/08 5:35	erf/msh
Barium, total (3050)	M6010B ICP	174		*	mg/Kg	0.3	2	07/31/08 14:16	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	07/31/08 14:16	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:16	nek/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/08/08 4:21	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/31/08 14:16	nek/aeh
Copper, total (3050)	M6010B ICP	729		*	mg/Kg	1	5	07/31/08 14:16	nek/aeh
Lead, total (3050)	M6020 ICP-MS	3.75			mg/Kg	0.05	0.3	08/06/08 21:22	msh
Manganese, total (3050)	M6010B ICP	375		*	mg/Kg	0.5	3	07/31/08 14:16	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:24	pmc
Molybdenum, total (3050)	M6010B ICP	37		*	mg/Kg	1	5	07/31/08 14:16	nek/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/31/08 14:16	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.26	B		mg/Kg	0.05	0.3	08/06/08 21:22	msh
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	07/31/08 5:35	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.81		*	mg/Kg	0.05	0.3	07/31/08 5:35	erf/msh
Zinc, total (3050)	M6010B ICP	39			mg/Kg	1	5	07/31/08 14:16	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.5		*	%	0.1	0.5	07/18/08 5:41	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:37	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 15:50	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:53	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-05-0-1.5

ACZ Sample ID: ***L70544-07***
Date Sampled: *07/16/08 09:45*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:42	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	5.4			mg/Kg	0.3	0.5	07/31/08 5:42	erf/msh
Barium, total (3050)	M6010B ICP	123		*	mg/Kg	0.3	2	07/31/08 14:20	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	07/31/08 14:20	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:20	nek/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/08/08 4:25	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/31/08 14:20	nek/aeh
Copper, total (3050)	M6010B ICP	561		*	mg/Kg	1	5	07/31/08 14:20	nek/aeh
Lead, total (3050)	M6020 ICP-MS	8.74			mg/Kg	0.05	0.3	08/06/08 21:29	msh
Manganese, total (3050)	M6010B ICP	343		*	mg/Kg	0.5	3	07/31/08 14:20	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:27	pmc
Molybdenum, total (3050)	M6010B ICP	126		*	mg/Kg	1	5	07/31/08 14:20	nek/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/31/08 14:20	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.51			mg/Kg	0.05	0.3	08/06/08 21:29	msh
Thallium, total (3050)	M6020 ICP-MS	0.13	B	*	mg/Kg	0.05	0.3	07/31/08 5:42	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.61		*	mg/Kg	0.05	0.3	07/31/08 5:42	erf/msh
Zinc, total (3050)	M6010B ICP	43			mg/Kg	1	5	07/31/08 14:20	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.3		*	%	0.1	0.5	07/18/08 6:30	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:39	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 16:07	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:55	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-05-1.5-3.0

ACZ Sample ID: ***L70544-08***
Date Sampled: *07/16/08 09:45*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:49	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.6			mg/Kg	0.3	0.5	07/31/08 5:49	erf/msh
Barium, total (3050)	M6010B ICP	181		*	mg/Kg	0.3	2	07/31/08 14:23	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	07/31/08 14:23	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:23	nek/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/08/08 4:28	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/31/08 14:23	nek/aeh
Copper, total (3050)	M6010B ICP	283		*	mg/Kg	1	5	07/31/08 14:23	nek/aeh
Lead, total (3050)	M6020 ICP-MS	4.91			mg/Kg	0.05	0.3	08/06/08 21:35	msh
Manganese, total (3050)	M6010B ICP	359		*	mg/Kg	0.5	3	07/31/08 14:23	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:34	pmc
Molybdenum, total (3050)	M6010B ICP	24		*	mg/Kg	1	5	07/31/08 14:23	nek/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	07/31/08 14:23	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.31			mg/Kg	0.05	0.3	08/06/08 21:35	msh
Thallium, total (3050)	M6020 ICP-MS	0.17	B	*	mg/Kg	0.05	0.3	07/31/08 5:49	erf/msh
Uranium, total (3050)	M6020 ICP-MS	2.86		*	mg/Kg	0.05	0.3	07/31/08 5:49	erf/msh
Zinc, total (3050)	M6010B ICP	42			mg/Kg	1	5	07/31/08 14:23	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.1		*	%	0.1	0.5	07/18/08 7:20	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:41	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 16:25	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:56	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-03-0-1.5

ACZ Sample ID: ***L70544-09***
Date Sampled: *07/16/08 09:54*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 5:56	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.9			mg/Kg	0.3	0.5	07/31/08 5:56	erf/msh
Barium, total (3050)	M6010B ICP	95.3		*	mg/Kg	0.3	2	07/31/08 14:26	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	07/31/08 14:26	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:26	nek/aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/08/08 4:32	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/31/08 14:26	nek/aeh
Copper, total (3050)	M6010B ICP	995		*	mg/Kg	1	5	07/31/08 14:26	nek/aeh
Lead, total (3050)	M6020 ICP-MS	9.49			mg/Kg	0.05	0.3	08/06/08 21:42	msh
Manganese, total (3050)	M6010B ICP	257		*	mg/Kg	0.5	3	07/31/08 14:26	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:36	pmc
Molybdenum, total (3050)	M6010B ICP	114		*	mg/Kg	1	5	07/31/08 14:26	nek/aeh
Nickel, total (3050)	M6010B ICP	5			mg/Kg	1	5	07/31/08 14:26	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.36			mg/Kg	0.05	0.3	08/06/08 21:42	msh
Thallium, total (3050)	M6020 ICP-MS	0.13	B	*	mg/Kg	0.05	0.3	07/31/08 5:56	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.05		*	mg/Kg	0.05	0.3	07/31/08 5:56	erf/msh
Zinc, total (3050)	M6010B ICP	48			mg/Kg	1	5	07/31/08 14:26	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.0		*	%	0.1	0.5	07/18/08 8:10	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:43	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 16:42	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 7:58	bjl

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-03-1.5-3.0

ACZ Sample ID: ***L70544-10***
Date Sampled: *07/16/08 09:54*
Date Received: *07/17/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/31/08 6:03	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.9			mg/Kg	0.3	0.5	07/31/08 6:03	erf/msh
Barium, total (3050)	M6010B ICP	112		*	mg/Kg	0.3	2	07/31/08 14:30	nek/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	07/31/08 14:30	nek/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/31/08 14:30	nek/aeh
Chromium, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/08/08 4:36	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/31/08 14:30	nek/aeh
Copper, total (3050)	M6010B ICP	335		*	mg/Kg	1	5	07/31/08 14:30	nek/aeh
Lead, total (3050)	M6020 ICP-MS	5.32			mg/Kg	0.05	0.3	08/06/08 21:48	msh
Manganese, total (3050)	M6010B ICP	302		*	mg/Kg	0.5	3	07/31/08 14:30	nek/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/25/08 21:39	pmc
Molybdenum, total (3050)	M6010B ICP	44		*	mg/Kg	1	5	07/31/08 14:30	nek/aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/31/08 14:30	nek/aeh
Selenium, total (3050)	M6020 ICP-MS	0.20	B		mg/Kg	0.05	0.3	08/06/08 21:48	msh
Thallium, total (3050)	M6020 ICP-MS	0.14	B	*	mg/Kg	0.05	0.3	07/31/08 6:03	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.86		*	mg/Kg	0.05	0.3	07/31/08 6:03	erf/msh
Zinc, total (3050)	M6010B ICP	34			mg/Kg	1	5	07/31/08 14:30	nek/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.5		*	%	0.1	0.5	07/18/08 8:59	brd/mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/17/08 15:45	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/04/08 17:00	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/24/08 8:00	bjl

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.02006		.02065	mg/L	102.9	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0012	0.0012			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.6	0.6			
WG248690LCSS	LCSS	07/31/08 3:02	PCN30060	101		104.6	mg/Kg		16.7	185			
WG248690LCSSD	LCSSD	07/31/08 3:09	PCN30060	101		108.2	mg/Kg		16.7	185	3.4	20	
L70543-02MS	MS	07/31/08 3:36	MS080707-3	5.1	.4	2.05	mg/Kg	32.4	75	125			M2
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	5.1	.4	2.18	mg/Kg	34.9	75	125	6.15	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.05		.05061	mg/L	101.2	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0015	0.0015			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.9	0.9			
WG248690LCSS	LCSS	07/31/08 3:02	PCN30060	156		146.2	mg/Kg		124	188			
WG248690LCSSD	LCSSD	07/31/08 3:09	PCN30060	156		160.8	mg/Kg		124	188	9.5	20	
L70543-02MS	MS	07/31/08 3:36	MS080707-3	25.5	12.3	36.17	mg/Kg	93.6	75	125			
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	25.5	12.3	40.32	mg/Kg	109.9	75	125	10.85	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		2.1044	mg/L	105.2	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.009	0.009			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-0.9	0.9			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	362		373.72	mg/Kg		299	424			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	362		404.41	mg/Kg		299	424	7.9	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	654	512.28	mg/Kg	-272.5	75	125			M3
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	654	413.89	mg/Kg	-461.8	75	125	21.25	20	M3 RD

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.9844	mg/L	99.2	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.006	0.006			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-0.6	0.6			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	140		143.96	mg/Kg		115	166			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	140		156.27	mg/Kg		115	166	8.2	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	1.3	54.24	mg/Kg	101.8	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	1.3	54.63	mg/Kg	102.6	75	125	0.72	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.9592	mg/L	98	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.015	0.015			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-1.5	1.5			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	141		138.37	mg/Kg		114	169			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	141		145.54	mg/Kg		114	169	5.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	U	47.69	mg/Kg	91.7	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	U	47.99	mg/Kg	92.3	75	125	0.63	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249597													
WG249597ICV	ICV	08/08/08 2:39	II080717-1	2		1.969	mg/L	98.5	90	110			
WG249597ICB	ICB	08/08/08 2:43				U	mg/L		-0.03	0.03			
WG249340PBS	PBS	08/08/08 2:57				U	mg/Kg		-3	3			
WG249340LCSS	LCSS	08/08/08 3:01	PCN30060	76.3		80.2	mg/Kg		61.5	91			
WG249340LCSSD	LCSSD	08/08/08 3:05	PCN30060	76.3		78.8	mg/Kg		61.5	91	1.8	20	
L70543-01MS	MS	08/08/08 3:16	II080730-2	52	8	51.8	mg/Kg	84.2	75	125			
L70543-01MSD	MSD	08/08/08 3:19	II080730-2	52	8	53.8	mg/Kg	88.1	75	125	3.79	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.92	mg/L	96	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	83.9		83.7	mg/Kg		68.1	99.7			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	83.9		88.4	mg/Kg		68.1	99.7	5.5	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	8	56.5	mg/Kg	93.3	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	8	57.5	mg/Kg	95.2	75	125	1.75	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		2.033	mg/L	101.7	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	77.2		79.3	mg/Kg		62.9	91.5			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	77.2		86.9	mg/Kg		62.9	91.5	9.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	1390	1486.7	mg/Kg	186	75	125			M3
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	1390	1447.8	mg/Kg	111.2	75	125	2.65	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249415													
WG249415ICV	ICV	08/06/08 18:29	MS080722-4	.05		.0505	mg/L	101	90	110			
WG249415ICB	ICB	08/06/08 18:36				U	mg/L		-0.0003	0.0003			
WG249340PBS	PBS	08/06/08 19:02				U	mg/Kg		-0.15	0.15			
WG249340LCSS	LCSS	08/06/08 19:08	PCN30060	72.9		70.85	mg/Kg		56.5	89.2			
WG249340LCSSD	LCSSD	08/06/08 19:14	PCN30060	72.9		71.75	mg/Kg		56.5	89.2	1.3	20	
L70543-02MS	MS	08/06/08 19:34	MS080707-3	25.5	7.4	31.345	mg/Kg	93.9	75	125			
L70543-02MSD	MSD	08/06/08 19:40	MS080707-3	25.5	7.4	30.845	mg/Kg	91.9	75	125	1.61	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.9937	mg/L	99.7	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.015	0.015			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-1.5	1.5			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	466		486.93	mg/Kg		379	552			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	466		507.29	mg/Kg		379	552	4.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	297	396.81	mg/Kg	191.9	75	125			M3
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	297	349.12	mg/Kg	100.2	75	125	12.79	20	

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248682													
WG248682ICV	ICV	07/25/08 20:33	II080721-4	.01002		.00979	mg/L	97.7	90	110			
WG248682ICB	ICB	07/25/08 20:35				U	mg/L		-0.0006	0.0006			
WG248682PBS	PBS	07/25/08 20:38				U	mg/Kg		-0.12	0.12			
WG248682LCSS	LCSS	07/25/08 20:40	PCN28813	5.8		5.85	mg/Kg		3.83	7.69			
WG248682LCSSD	LCSSD	07/25/08 20:42	PCN28813	5.8		6.11	mg/Kg		3.83	7.69	4.3	20	
L70543-01MS	MS	07/25/08 20:47	II080701-4	1.195	.06	1.264	mg/Kg	100.8	85	115			
L70543-01MSD	MSD	07/25/08 20:49	II080701-4	1.185	.06	1.283	mg/Kg	103.2	85	115	1.49	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.998	mg/L	99.9	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	1700		181.4	mg/Kg		132	208			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	1700		189	mg/Kg		132	208	4.1	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	15	61.6	mg/Kg	89.6	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	15	61.8	mg/Kg	90	75	125	0.32	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

Project ID: OJ07R9

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.922	mg/L	96.1	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	84.3		83.4	mg/Kg		66.3	102			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	84.3		87.7	mg/Kg		66.3	102	5	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	8	56.8	mg/Kg	93.8	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	8	56.5	mg/Kg	93.3	75	125	0.53	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249415													
WG249415ICV	ICV	08/06/08 18:29	MS080722-4	.05		.05133	mg/L	102.7	90	110			
WG249415ICB	ICB	08/06/08 18:36				U	mg/L		-0.0003	0.0003			
WG249340PBS	PBS	08/06/08 19:02				U	mg/Kg		-0.15	0.15			
WG249340LCSS	LCSS	08/06/08 19:08	PCN30060	198		210.4	mg/Kg		152	244			
WG249340LCSSD	LCSSD	08/06/08 19:14	PCN30060	198		212.4	mg/Kg		152	244	0.9	20	
L70543-02MS	MS	08/06/08 19:34	MS080707-3	12.75	.69	12.352	mg/Kg	91.5	75	125			
L70543-02MSD	MSD	08/06/08 19:40	MS080707-3	12.75	.69	12.459	mg/Kg	92.3	75	125	0.86	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248307													
WG248307PBS	PBS	07/17/08 17:15				U	%		99.9	100.1			
L70543-01DUP	DUP	07/17/08 18:54			81.1	82.85	%				2.1	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.05		.05246	mg/L	104.9	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0003	0.0003			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.15	0.15			
WG248690LCSS	LCSS	07/31/08 3:02	PCN30060	218		211.8	mg/Kg		177	260			
WG248690LCSSD	LCSSD	07/31/08 3:09	PCN30060	218		230.35	mg/Kg		177	260	8.4	20	
L70543-02MS	MS	07/31/08 3:36	MS080707-3	25.551	U	24.271	mg/Kg	95	75	125			
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	25.551	U	24.541	mg/Kg	96	75	125	1.11	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249106													
WG249106ICV	ICV	07/31/08 2:19	MS080722-4	.05		.04965	mg/L	99.3	90	110			
WG249106ICB	ICB	07/31/08 2:26				U	mg/L		-0.0003	0.0003			
WG248690PBS	PBS	07/31/08 2:55				U	mg/Kg		-0.15	0.15			
L70543-02MS	MS	07/31/08 3:36	MS080707-3	12.75	4.29	17.814	mg/Kg	106.1	75	125			
L70543-02MSD	MSD	07/31/08 3:43	MS080707-3	12.75	4.29	17.896	mg/Kg	106.7	75	125	0.46	20	

FMI Gold & Copper - Sierrita
Project ID: OJ07R9

ACZ Project ID: ***L70544***

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248994													
WG248994ICV	ICV	07/31/08 11:44	II080717-1	2		1.972	mg/L	98.6	90	110			
WG248994ICB	ICB	07/31/08 11:47				U	mg/L		-0.03	0.03			
WG249097													
WG248690PBS	PBS	07/31/08 13:01				U	mg/Kg		-3	3			
WG248690LCSS	LCSS	07/31/08 13:04	PCN30060	204		195.4	mg/Kg		166	243			
WG248690LCSSD	LCSSD	07/31/08 13:07	PCN30060	204		214.4	mg/Kg		166	243	9.3	20	
L70543-01MS	MS	07/31/08 13:17	II080708-3	52	45	97.7	mg/Kg	101.3	75	125			
L70543-01MSD	MSD	07/31/08 13:20	II080708-3	52	45	98.7	mg/Kg	103.3	75	125	1.02	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70544-01	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70544-02	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70544-03	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70544-04	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70544-05	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70544-06	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70544-07	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70544-08	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70544***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70544-09	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70544-10	WG249106	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG249097	Barium, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG249597	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249097	Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249106	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70544
Date Received: 7/17/2008
Received By: lcp
Date Printed: 7/18/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
2155		4.3	15

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70544
Date Received: 7/17/2008
Received By:

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
L70544-01	CP-SD-01-0-1.5									X		
L70544-02	CP-SD-01-1.5-3.0									X		
L70544-03	CP-SD-02-0-1.5									X		
L70544-04	CP-SD-02-1.5-3.0									X		
L70544-05	CP-SD-06-0-1.5									X		
L70544-06	CP-SD-06-1.5-3.0									X		
L70544-07	CP-SD-05-0-1.5									X		
L70544-08	CP-SD-05-1.5-3.0									X		
L70544-09	CP-SD-03-0-1.5									X		
L70544-10	CP-SD-03-1.5-3.0									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: lcp

ACZ Laboratories, Inc. L70544

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

CHAIN of CUSTODY

Report to:

Name: NED HALL
Company: FMI-SIERRITA
E-mail: Ned_Hall@fmi.com
Address: 6200 W. DUVAL MINE RD PO BOX 527 GREEN VALLEY, AZ
Telephone: 520-648-8857

Copy of Report to:

Name:
Company:
E-mail: Steven_vaughn@urscorp.com
Telephone:

Invoice to:

Name: NED HALL
Company: FMI-SIERRITA
E-mail: Ned_hall@fmi.com
Address: 6200 W. DUVALL MINE RD GREEN VALLEY, AZ PO BOX 527
Telephone: 520-648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 0J0729
Reporting state for compliance testing:
Sampler's Name: ARMANDO JIMENEZ
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE	TIME	Matrix	# of Containers	See attached Quote 7/8/08
CP-SD-01-0-1.5	7-16-08	830	SO	1	
CP-SD-01-1.5-3.0	7-16-08	830		1	
CP-SD-02-0-1.5	7-16-08	0908		1	
CP-SD-02-1.5-3.0	7-16-08	0908		1	
CP-SD-06-0-1.5	7-16-08	0926		1	
CP-SD-06-1.5-3.0	7-16-08	0926		1	
CP-SD-05-0-1.5	7-16-08	0945		1	
CP-SD-05-1.5-3.0	7-16-08	0945		1	
CP-SD-03-0-1.5	7-16-08	0954		1	
CP-SD-03-1.5-3.0	7-16-08	0954		1	

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

REMARKS/ SAMPLE DISCLOSURES

Fed Ex: 8616 8504 9673

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. Jimenez	7/16/08 1450	Fed Ex	7-17-08 10:45

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

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

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 04, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70584

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 18, 2008. This project has been assigned to ACZ's project number, L70584. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70584. 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 September 04, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P07-0-1

ACZ Sample ID: ***L70584-01***
Date Sampled: *07/17/08 14:04*
Date Received: *07/18/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 14:45	msh
Arsenic, total (3050)	M6020 ICP-MS	1.5			mg/Kg	0.3	0.5	07/29/08 14:45	msh
Barium, total (3050)	M6010B ICP	99.5		*	mg/Kg	0.3	2	07/29/08 6:37	erf
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/29/08 6:37	erf
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/29/08 6:37	erf
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	07/29/08 6:37	erf
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/29/08 6:37	erf
Copper, total (3050)	M6010B ICP	538			mg/Kg	1	5	07/29/08 6:37	erf
Lead, total (3050)	M6020 ICP-MS	9.36		*	mg/Kg	0.05	0.3	07/29/08 14:45	msh
Manganese, total (3050)	M6010B ICP	293		*	mg/Kg	0.5	3	07/29/08 6:37	erf
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 20:58	pmc
Molybdenum, total (3050)	M6010B ICP	26			mg/Kg	1	5	07/29/08 6:37	erf
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/29/08 6:37	erf
Selenium, total (3050)	M6020 ICP-MS	0.36			mg/Kg	0.05	0.3	07/29/08 14:45	msh
Thallium, total (3050)	M6020 ICP-MS	0.15	B	*	mg/Kg	0.05	0.3	07/29/08 14:45	msh
Uranium, total (3050)	M6020 ICP-MS	3.24		*	mg/Kg	0.05	0.3	07/29/08 14:45	msh
Zinc, total (3050)	M6010B ICP	44		*	mg/Kg	1	5	07/29/08 6:37	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.3		*	%	0.1	0.5	07/23/08 12:06	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/23/08 11:12	bjl
Digestion - Hot Plate	M3050B ICP-MS							07/25/08 8:40	lwt/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:24	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P07-1-3

ACZ Sample ID: ***L70584-02***
Date Sampled: *07/17/08 14:04*
Date Received: *07/18/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 14:51	msh
Arsenic, total (3050)	M6020 ICP-MS	1.1			mg/Kg	0.3	0.5	07/29/08 14:51	msh
Barium, total (3050)	M6010B ICP	80.4		*	mg/Kg	0.3	2	07/29/08 6:40	erf
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	07/29/08 6:40	erf
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/29/08 6:40	erf
Chromium, total (3050)	M6010B ICP	5			mg/Kg	1	5	07/29/08 6:40	erf
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	07/29/08 6:40	erf
Copper, total (3050)	M6010B ICP	210			mg/Kg	1	5	07/29/08 6:40	erf
Lead, total (3050)	M6020 ICP-MS	3.38		*	mg/Kg	0.05	0.3	07/29/08 14:51	msh
Manganese, total (3050)	M6010B ICP	276		*	mg/Kg	0.5	3	07/29/08 6:40	erf
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 21:06	pmc
Molybdenum, total (3050)	M6010B ICP	31			mg/Kg	1	5	07/29/08 6:40	erf
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	07/29/08 6:40	erf
Selenium, total (3050)	M6020 ICP-MS	0.24	B		mg/Kg	0.05	0.3	07/29/08 14:51	msh
Thallium, total (3050)	M6020 ICP-MS	0.14	B	*	mg/Kg	0.05	0.3	07/29/08 14:51	msh
Uranium, total (3050)	M6020 ICP-MS	3.79		*	mg/Kg	0.05	0.3	07/29/08 14:51	msh
Zinc, total (3050)	M6010B ICP	39		*	mg/Kg	1	5	07/29/08 6:40	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.7		*	%	0.1	0.5	07/23/08 13:27	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/23/08 11:18	bjl
Digestion - Hot Plate	M3050B ICP-MS							07/25/08 9:44	lwt/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:27	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P07-5-7

ACZ Sample ID: ***L70584-03***
Date Sampled: *07/17/08 14:11*
Date Received: *07/18/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 14:58	msh
Arsenic, total (3050)	M6020 ICP-MS	1.4			mg/Kg	0.3	0.5	07/29/08 14:58	msh
Barium, total (3050)	M6010B ICP	101		*	mg/Kg	0.3	2	07/29/08 6:44	erf
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	07/29/08 6:44	erf
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/29/08 6:44	erf
Chromium, total (3050)	M6010B ICP	13			mg/Kg	1	5	07/29/08 6:44	erf
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/29/08 6:44	erf
Copper, total (3050)	M6010B ICP	333			mg/Kg	1	5	07/29/08 6:44	erf
Lead, total (3050)	M6020 ICP-MS	3.79		*	mg/Kg	0.05	0.3	07/29/08 14:58	msh
Manganese, total (3050)	M6010B ICP	283		*	mg/Kg	0.5	3	07/29/08 6:44	erf
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 21:09	pmc
Molybdenum, total (3050)	M6010B ICP	53			mg/Kg	1	5	07/29/08 6:44	erf
Nickel, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	07/29/08 6:44	erf
Selenium, total (3050)	M6020 ICP-MS	0.50			mg/Kg	0.05	0.3	07/29/08 14:58	msh
Thallium, total (3050)	M6020 ICP-MS	0.16	B	*	mg/Kg	0.05	0.3	07/29/08 14:58	msh
Uranium, total (3050)	M6020 ICP-MS	4.03		*	mg/Kg	0.05	0.3	07/29/08 14:58	msh
Zinc, total (3050)	M6010B ICP	88		*	mg/Kg	1	5	07/29/08 6:44	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.8		*	%	0.1	0.5	07/23/08 14:48	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/23/08 11:24	bjl
Digestion - Hot Plate	M3050B ICP-MS							07/25/08 10:47	lwt/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:30	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-04-0-1.5

ACZ Sample ID: ***L70584-04***
Date Sampled: *07/17/08 14:52*
Date Received: *07/18/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 15:05	msh
Arsenic, total (3050)	M6020 ICP-MS	1.8			mg/Kg	0.3	0.5	07/29/08 15:05	msh
Barium, total (3050)	M6010B ICP	166		*	mg/Kg	0.3	2	07/29/08 6:48	erf
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	07/29/08 6:48	erf
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/29/08 6:48	erf
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/29/08 6:48	erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/29/08 6:48	erf
Copper, total (3050)	M6010B ICP	1180			mg/Kg	1	5	07/29/08 6:48	erf
Lead, total (3050)	M6020 ICP-MS	4.25		*	mg/Kg	0.05	0.3	07/29/08 15:05	msh
Manganese, total (3050)	M6010B ICP	403		*	mg/Kg	0.5	3	07/29/08 6:48	erf
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 21:11	pmc
Molybdenum, total (3050)	M6010B ICP	40			mg/Kg	1	5	07/29/08 6:48	erf
Nickel, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/29/08 6:48	erf
Selenium, total (3050)	M6020 ICP-MS	0.36			mg/Kg	0.05	0.3	07/29/08 15:05	msh
Thallium, total (3050)	M6020 ICP-MS	0.43		*	mg/Kg	0.05	0.3	07/29/08 15:05	msh
Uranium, total (3050)	M6020 ICP-MS	4.05		*	mg/Kg	0.05	0.3	07/29/08 15:05	msh
Zinc, total (3050)	M6010B ICP	57		*	mg/Kg	1	5	07/29/08 6:48	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.7		*	%	0.1	0.5	07/23/08 16:09	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/23/08 11:30	bjl
Digestion - Hot Plate	M3050B ICP-MS							07/25/08 11:50	lwt/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:32	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-04-1.5-3.0

ACZ Sample ID: ***L70584-05***
Date Sampled: *07/17/08 14:52*
Date Received: *07/18/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	07/29/08 15:11	msh
Arsenic, total (3050)	M6020 ICP-MS	1.0			mg/Kg	0.3	0.5	07/29/08 15:11	msh
Barium, total (3050)	M6010B ICP	170		*	mg/Kg	0.3	2	07/29/08 6:51	erf
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	07/29/08 6:51	erf
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	07/29/08 6:51	erf
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/29/08 6:51	erf
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	07/29/08 6:51	erf
Copper, total (3050)	M6010B ICP	512			mg/Kg	1	5	07/29/08 6:51	erf
Lead, total (3050)	M6020 ICP-MS	2.14		*	mg/Kg	0.05	0.3	07/31/08 0:50	erf
Manganese, total (3050)	M6010B ICP	448		*	mg/Kg	0.5	3	07/29/08 6:51	erf
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	07/22/08 21:13	pmc
Molybdenum, total (3050)	M6010B ICP	7			mg/Kg	1	5	07/29/08 6:51	erf
Nickel, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	07/29/08 6:51	erf
Selenium, total (3050)	M6020 ICP-MS	0.12	B		mg/Kg	0.05	0.3	07/29/08 15:11	msh
Thallium, total (3050)	M6020 ICP-MS	0.35		*	mg/Kg	0.05	0.3	07/29/08 15:11	msh
Uranium, total (3050)	M6020 ICP-MS	4.76		*	mg/Kg	0.05	0.3	07/29/08 15:11	msh
Zinc, total (3050)	M6010B ICP	46		*	mg/Kg	1	5	07/29/08 6:51	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.6		*	%	0.1	0.5	07/23/08 17:30	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/23/08 11:36	bjl
Digestion - Hot Plate	M3050B ICP-MS							07/25/08 12:53	lwt/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				07/23/08 19:35	brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70584***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248916													
WG248916ICV	ICV	07/29/08 12:43	MS080722-4	.02006		.02099	mg/L	104.6	90	110			
WG248916ICB	ICB	07/29/08 12:50				U	mg/L		-0.0012	0.0012			
WG248764PBS	PBS	07/29/08 13:17				U	mg/Kg		-0.6	0.6			
WG248764LCSS	LCSS	07/29/08 13:24	PCN30060	101		149	mg/Kg		16.7	185			
WG248764LCSSD	LCSSD	07/29/08 13:30	PCN30060	101		158.3	mg/Kg		16.7	185	6.1	20	
L70493-12MS	MS	07/29/08 13:58	MS080707-3	5.1	U	2.35	mg/Kg	46.1	75	125			M2
L70493-12MSD	MSD	07/29/08 14:04	MS080707-3	5.1	U	2.35	mg/Kg	46.1	75	125	0	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248916													
WG248916ICV	ICV	07/29/08 12:43	MS080722-4	.05		.05073	mg/L	101.5	90	110			
WG248916ICB	ICB	07/29/08 12:50				U	mg/L		-0.0015	0.0015			
WG248764PBS	PBS	07/29/08 13:17				U	mg/Kg		-0.9	0.9			
WG248764LCSS	LCSS	07/29/08 13:24	PCN30060	156		156	mg/Kg		124	188			
WG248764LCSSD	LCSSD	07/29/08 13:30	PCN30060	156		162.3	mg/Kg		124	188	4	20	
L70493-12MS	MS	07/29/08 13:58	MS080707-3	25.5	2.5	23.78	mg/Kg	83.5	75	125			
L70493-12MSD	MSD	07/29/08 14:04	MS080707-3	25.5	2.5	23.2	mg/Kg	81.2	75	125	2.47	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		2.0013	mg/L	100.1	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.009	0.009			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-0.9	0.9			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	362		355.57	mg/Kg		299	424			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	362		374.47	mg/Kg		299	424	5.2	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	62.6	120.11	mg/Kg	112.8	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	62.6	142.35	mg/Kg	156.4	75	125	16.95	20	MA

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.9151	mg/L	95.8	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.006	0.006			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-0.6	0.6			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	140		139.13	mg/Kg		115	166			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	140		141.23	mg/Kg		115	166	1.5	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	.4	50.27	mg/Kg	97.8	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	.4	48.52	mg/Kg	94.4	75	125	3.54	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70584***

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Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.9186	mg/L	95.9	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.015	0.015			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-1.5	1.5			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	141		134.23	mg/Kg		114	169			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	141		134.13	mg/Kg		114	169	0.1	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	U	45.82	mg/Kg	89.8	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	U	44.44	mg/Kg	87.1	75	125	3.06	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.904	mg/L	95.2	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.03	0.03			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-3	3			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	76.3		74	mg/Kg		61.5	91			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	76.3		75.9	mg/Kg		61.5	91	2.5	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	26	71.6	mg/Kg	89.4	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	26	72.2	mg/Kg	90.6	75	125	0.83	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.871	mg/L	93.6	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.03	0.03			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-3	3			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	83.9		79.2	mg/Kg		68.1	99.7			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	83.9		80.7	mg/Kg		68.1	99.7	1.9	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	13	59	mg/Kg	90.2	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	13	59.8	mg/Kg	91.8	75	125	1.35	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.942	mg/L	97.1	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.03	0.03			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-3	3			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	77.2		71.7	mg/Kg		62.9	91.5			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	77.2		76.4	mg/Kg		62.9	91.5	6.3	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	33	83	mg/Kg	98	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	33	79.3	mg/Kg	90.8	75	125	4.56	20	

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Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248916													
WG248916ICV	ICV	07/29/08 12:43	MS080722-4	.05		.04866	mg/L	97.3	90	110			
WG248916ICB	ICB	07/29/08 12:50				.00015	mg/L		-0.0003	0.0003			
WG248764PBS	PBS	07/29/08 13:17				U	mg/Kg		-0.15	0.15			
WG248764LCSS	LCSS	07/29/08 13:24	PCN30060	72.9		71.95	mg/Kg		56.5	89.2			
WG248764LCSSD	LCSSD	07/29/08 13:30	PCN30060	72.9		74.8	mg/Kg		56.5	89.2	3.9	20	
L70493-12MS	MS	07/29/08 13:58	MS080707-3	25.5	2.72	25.852	mg/Kg	90.7	75	125			
L70493-12MSD	MSD	07/29/08 14:04	MS080707-3	25.5	2.72	25.383	mg/Kg	88.9	75	125	1.83	20	
WG249093													
WG249093ICV	ICV	07/30/08 23:28	MS080722-4	.05		.05051	mg/L	101	90	110			
WG249093ICB	ICB	07/30/08 23:35				U	mg/L		-0.0003	0.0003			
WG248764PBS	PBS	07/31/08 0:03				U	mg/Kg		-0.15	0.15			
WG248764LCSS	LCSS	07/31/08 0:09	PCN30060	72.9		69.55	mg/Kg		56.5	89.2			
WG248764LCSSD	LCSSD	07/31/08 0:16	PCN30060	72.9		72.3	mg/Kg		56.5	89.2	3.9	20	
L70493-12MS	MS	07/31/08 0:30	MS080707-3	25.5	2.56	27.53	mg/Kg	97.9	75	125			
L70493-12MSD	MSD	07/31/08 0:37	MS080707-3	25.5	2.56	27.05	mg/Kg	96	75	125	1.76	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.9311	mg/L	96.6	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.015	0.015			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-1.5	1.5			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	466		449.75	mg/Kg		379	552			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	466		487.54	mg/Kg		379	552	8.1	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	446	486.21	mg/Kg	78.8	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	446	562.96	mg/Kg	229.3	75	125	14.63	20	M3

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248517													
WG248517ICV	ICV	07/22/08 20:07	II080721-4	.01002		.01038	mg/L	103.6	90	110			
WG248517ICB	ICB	07/22/08 20:09				U	mg/L		-0.0006	0.0006			
WG248517PBS	PBS	07/22/08 20:12				U	mg/Kg		-0.12	0.12			
WG248517LCSS	LCSS	07/22/08 20:14	PCN28813	5.8		5.63	mg/Kg		3.83	7.69			
WG248517LCSSD	LCSSD	07/22/08 20:16	PCN28813	5.8		5.61	mg/Kg		3.83	7.69	0.4	20	
L70512-10MS	MS	07/22/08 20:20	II080701-4	1.005	.16	1.122	mg/Kg	95.7	85	115			
L70512-10MSD	MSD	07/22/08 20:22	II080701-4	1.005	.16	1.095	mg/Kg	93	85	115	2.44	20	

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Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.923	mg/L	96.2	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.03	0.03			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-3	3			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	1700		172.9	mg/Kg		132	208			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	1700		173.4	mg/Kg		132	208	0.3	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	U	45.4	mg/Kg	89	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	U	44.3	mg/Kg	86.9	75	125	2.45	20	

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.871	mg/L	93.6	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.03	0.03			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-3	3			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	84.3		80	mg/Kg		66.3	102			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	84.3		81.1	mg/Kg		66.3	102	1.4	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	23	69.5	mg/Kg	91.2	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	23	67.3	mg/Kg	86.9	75	125	3.22	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248916													
WG248916ICV	ICV	07/29/08 12:43	MS080722-4	.05		.05149	mg/L	103	90	110			
WG248916ICB	ICB	07/29/08 12:50				U	mg/L		-0.0003	0.0003			
WG248764PBS	PBS	07/29/08 13:17				U	mg/Kg		-0.15	0.15			
WG248764LCSS	LCSS	07/29/08 13:24	PCN30060	198		204.9	mg/Kg		152	244			
WG248764LCSSD	LCSSD	07/29/08 13:30	PCN30060	198		215.7	mg/Kg		152	244	5.1	20	
L70493-12MS	MS	07/29/08 13:58	MS080707-3	12.75	.3	11.072	mg/Kg	84.5	75	125			
L70493-12MSD	MSD	07/29/08 14:04	MS080707-3	12.75	.3	10.715	mg/Kg	81.7	75	125	3.28	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248622													
WG248622PBS	PBS	07/23/08 10:45				U	%		99.9	100.1			
L70612-02DUP	DUP	07/24/08 0:16			83.3	83.62	%				0.4	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248916													
WG248916ICV	ICV	07/29/08 12:43	MS080722-4	.05		.05275	mg/L	105.5	90	110			
WG248916ICB	ICB	07/29/08 12:50				.00011	mg/L		-0.0003	0.0003			
WG248764PBS	PBS	07/29/08 13:17				U	mg/Kg		-0.15	0.15			
WG248764LCSS	LCSS	07/29/08 13:24	PCN30060	218		226.5	mg/Kg		177	260			
WG248764LCSSD	LCSSD	07/29/08 13:30	PCN30060	218		237.95	mg/Kg		177	260	4.9	20	
L70493-12MS	MS	07/29/08 13:58	MS080707-3	25.551	U	24.337	mg/Kg	95.2	75	125			
L70493-12MSD	MSD	07/29/08 14:04	MS080707-3	25.551	U	23.832	mg/Kg	93.3	75	125	2.1	20	

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Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248916													
WG248916ICV	ICV	07/29/08 12:43	MS080722-4	.05		.04829	mg/L	96.6	90	110			
WG248916ICB	ICB	07/29/08 12:50				U	mg/L		-0.0003	0.0003			
WG248764PBS	PBS	07/29/08 13:17				U	mg/Kg		-0.15	0.15			
L70493-12MS	MS	07/29/08 13:58	MS080707-3	12.75	.25	12.164	mg/Kg	93.4	75	125			
L70493-12MSD	MSD	07/29/08 14:04	MS080707-3	12.75	.25	12.021	mg/Kg	92.3	75	125	1.18	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG248951													
WG248951ICV	ICV	07/29/08 5:39	II080717-3	2		1.932	mg/L	96.6	90	110			
WG248951ICB	ICB	07/29/08 5:42				U	mg/L		-0.03	0.03			
WG248764PBS	PBS	07/29/08 5:57				U	mg/Kg		-3	3			
WG248764LCSS	LCSS	07/29/08 6:00	PCN30060	204		202.7	mg/Kg		166	243			
WG248764LCSSD	LCSSD	07/29/08 6:04	PCN30060	204		200.9	mg/Kg		166	243	0.9	20	
L70493-11MS	MS	07/29/08 6:15	II080708-3	51	54	101.8	mg/Kg	93.7	75	125			
L70493-11MSD	MSD	07/29/08 6:19	II080708-3	51	54	100.4	mg/Kg	91	75	125	1.38	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70584***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70584-01	WG248916	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248951	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Manganese, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L70584-02	WG248916	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248951	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Manganese, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70584***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70584-03	WG248916	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248951	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Manganese, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L70584-04	WG248916	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248951	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Manganese, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70584***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70584-05	WG248916	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG248951	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249093	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Manganese, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG248916	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG248951	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70584
Date Received: 7/18/2008
Received By:
Date Printed: 7/18/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2142	3.4	16

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70584
Date Received: 7/18/2008
Received By:

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
L70584-01	CP-P07-0-1									X		
L70584-02	CP-P07-1-3									X		
L70584-03	CP-P07-5-7									X		
L70584-04	CP-SD-04-0-1.5									X		
L70584-05	CP-SD-04-1.5-3.0									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: _____

ACZ Laboratories, Inc. L70584

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall	Address: 6200 W. Duvall Mine Rd
Company: EMI-Sierrita	P.O. Box 527, Green Valley, AZ
E-mail: Ned-Hall@FMI.com	Telephone: (520) 648-8857

Copy of Report to:

Name:	E-mail: Steven_Vaughn@urscorp.com
Company:	Telephone:

Invoice to:

Name: Ned Hall	Address: 6200 W. Duvall Mine Road.
Company: FMI-Sierrita	P.O. Box 527, Greenvalley, AZ
E-mail: Ned-Hall@FMI.com	Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:

Project/PO #: 0J07R9

Reporting state for compliance testing:

Sampler's Name: Armando Jimenez

Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached Quote 7/8/2008
CP-P07-0-1	7-17-08 1404	SO	1	
CP-P07-1-3	7-17-08 1404		1	
CP-P07-5-7	7-17-08 1411		1	
CP-SD-04-0-1.5	7-17-08 1452		1	
CP-SD-04-1.5-3.0	7-17-08 1452		1	

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

REMARKS/ SAMPLE DISCLOSURES

FedEx 8616 8507 9721

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. Yin	7-18-08 1530	FedEx 1900	7-18-0810:35

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

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

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01

D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 29, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Rick Smith, Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70791

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 29, 2008. This project has been assigned to ACZ's project number, L70791. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70791. 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 September 29, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-Q09-0-1

ACZ Sample ID: ***L70791-01***
Date Sampled: *07/23/08 10:15*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/15/08 22:41	msh
Arsenic, total (3050)	M6020 ICP-MS	2.3			mg/Kg	0.3	0.5	08/14/08 20:04	erf/msh
Barium, total (3050)	M6010B ICP	120		*	mg/Kg	0.3	2	08/14/08 23:30	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/16/08 1:50	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:30	aeh
Chromium, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/14/08 23:30	aeh
Cobalt, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/14/08 23:30	aeh
Copper, total (3050)	M6010B ICP	724		*	mg/Kg	1	5	08/14/08 23:30	aeh
Lead, total (3050)	M6020 ICP-MS	4.61			mg/Kg	0.05	0.3	08/14/08 20:04	erf/msh
Manganese, total (3050)	M6010B ICP	202		*	mg/Kg	0.5	3	08/16/08 1:50	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:27	jws
Molybdenum, total (3050)	M6010B ICP	123			mg/Kg	1	5	08/14/08 23:30	aeh
Nickel, total (3050)	M6010B ICP	29			mg/Kg	1	5	08/14/08 23:30	aeh
Selenium, total (3050)	M6020 ICP-MS	0.35			mg/Kg	0.05	0.3	08/14/08 20:04	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.26	B		mg/Kg	0.05	0.3	08/15/08 22:41	msh
Uranium, total (3050)	M6020 ICP-MS	2.21		*	mg/Kg	0.05	0.3	08/14/08 20:04	erf/msh
Zinc, total (3050)	M6010B ICP	44		*	mg/Kg	1	5	08/14/08 23:30	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.9		*	%	0.1	0.5	07/30/08 8:09	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/29/08 21:39	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 12:34	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:30	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-Q09-1-3

ACZ Sample ID: ***L70791-02***
Date Sampled: *07/23/08 10:15*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 23:01	msh
Arsenic, total (3050)	M6020 ICP-MS	1.5			mg/Kg	0.3	0.5	08/14/08 20:23	erf/msh
Barium, total (3050)	M6010B ICP	247		*	mg/Kg	0.3	2	08/14/08 23:34	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	08/16/08 1:54	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:34	aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/14/08 23:34	aeh
Cobalt, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/14/08 23:34	aeh
Copper, total (3050)	M6010B ICP	499		*	mg/Kg	1	5	08/14/08 23:34	aeh
Lead, total (3050)	M6020 ICP-MS	3.19			mg/Kg	0.05	0.3	08/14/08 20:23	erf/msh
Manganese, total (3050)	M6010B ICP	170		*	mg/Kg	0.5	3	08/16/08 1:54	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:34	jws
Molybdenum, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/14/08 23:34	aeh
Nickel, total (3050)	M6010B ICP	22			mg/Kg	1	5	08/14/08 23:34	aeh
Selenium, total (3050)	M6020 ICP-MS	0.14	B		mg/Kg	0.05	0.3	08/14/08 20:23	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.49			mg/Kg	0.05	0.3	08/15/08 23:01	msh
Uranium, total (3050)	M6020 ICP-MS	2.67		*	mg/Kg	0.05	0.3	08/14/08 20:23	erf/msh
Zinc, total (3050)	M6010B ICP	30		*	mg/Kg	1	5	08/14/08 23:34	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.4		*	%	0.1	0.5	07/30/08 10:27	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/29/08 22:10	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 13:09	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:33	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-07-0-1.5

ACZ Sample ID: ***L70791-03***
Date Sampled: *07/23/08 10:47*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 23:07	msh
Arsenic, total (3050)	M6020 ICP-MS	2.9			mg/Kg	0.3	0.5	08/14/08 20:30	erf/msh
Barium, total (3050)	M6010B ICP	136		*	mg/Kg	0.3	2	08/14/08 23:37	aeh
Beryllium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.2	1	08/16/08 1:57	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:37	aeh
Chromium, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/14/08 23:37	aeh
Cobalt, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/14/08 23:37	aeh
Copper, total (3050)	M6010B ICP	439		*	mg/Kg	1	5	08/14/08 23:37	aeh
Lead, total (3050)	M6020 ICP-MS	7.05			mg/Kg	0.05	0.3	08/14/08 20:30	erf/msh
Manganese, total (3050)	M6010B ICP	298		*	mg/Kg	0.5	3	08/16/08 1:57	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:36	jws
Molybdenum, total (3050)	M6010B ICP	42			mg/Kg	1	5	08/14/08 23:37	aeh
Nickel, total (3050)	M6010B ICP	33			mg/Kg	1	5	08/14/08 23:37	aeh
Selenium, total (3050)	M6020 ICP-MS	0.34			mg/Kg	0.05	0.3	08/14/08 20:30	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.27	B		mg/Kg	0.05	0.3	08/15/08 23:07	msh
Uranium, total (3050)	M6020 ICP-MS	3.45		*	mg/Kg	0.05	0.3	08/14/08 20:30	erf/msh
Zinc, total (3050)	M6010B ICP	45		*	mg/Kg	1	5	08/14/08 23:37	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.6		*	%	0.1	0.5	07/30/08 11:37	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/29/08 22:41	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 13:20	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:37	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-07-1.5-3.0

ACZ Sample ID: ***L70791-04***
Date Sampled: *07/23/08 10:47*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 23:26	msh
Arsenic, total (3050)	M6020 ICP-MS	0.8			mg/Kg	0.3	0.5	08/14/08 20:49	erf/msh
Barium, total (3050)	M6010B ICP	166		*	mg/Kg	0.3	2	08/14/08 23:40	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/16/08 2:01	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:40	aeh
Chromium, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/14/08 23:40	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/14/08 23:40	aeh
Copper, total (3050)	M6010B ICP	180		*	mg/Kg	1	5	08/14/08 23:40	aeh
Lead, total (3050)	M6020 ICP-MS	2.49			mg/Kg	0.05	0.3	08/14/08 20:49	erf/msh
Manganese, total (3050)	M6010B ICP	344		*	mg/Kg	0.5	3	08/16/08 2:01	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:38	jws
Molybdenum, total (3050)	M6010B ICP	2	B		mg/Kg	1	5	08/14/08 23:40	aeh
Nickel, total (3050)	M6010B ICP	31			mg/Kg	1	5	08/14/08 23:40	aeh
Selenium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.05	0.3	08/14/08 20:49	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.30	B		mg/Kg	0.05	0.3	08/15/08 23:26	msh
Uranium, total (3050)	M6020 ICP-MS	2.19		*	mg/Kg	0.05	0.3	08/15/08 23:26	msh
Zinc, total (3050)	M6010B ICP	47		*	mg/Kg	1	5	08/14/08 23:40	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.8		*	%	0.1	0.5	07/30/08 12:46	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/29/08 23:12	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 13:32	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:40	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P12-0-1

ACZ Sample ID: ***L70791-05***
Date Sampled: *07/23/08 11:03*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.9	B	*	mg/Kg	0.2	1	08/15/08 23:33	msh
Arsenic, total (3050)	M6020 ICP-MS	5.5			mg/Kg	0.3	0.5	08/14/08 20:56	erf/msh
Barium, total (3050)	M6010B ICP	81.4		*	mg/Kg	0.3	2	08/14/08 23:44	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/16/08 2:12	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:44	aeh
Chromium, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/14/08 23:44	aeh
Cobalt, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/14/08 23:44	aeh
Copper, total (3050)	M6010B ICP	1680		*	mg/Kg	1	5	08/14/08 23:44	aeh
Lead, total (3050)	M6020 ICP-MS	39.00			mg/Kg	0.05	0.3	08/14/08 20:56	erf/msh
Manganese, total (3050)	M6010B ICP	167		*	mg/Kg	0.5	3	08/16/08 2:12	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:40	jws
Molybdenum, total (3050)	M6010B ICP	239			mg/Kg	1	5	08/14/08 23:44	aeh
Nickel, total (3050)	M6010B ICP	31			mg/Kg	1	5	08/14/08 23:44	aeh
Selenium, total (3050)	M6020 ICP-MS	1.48		*	mg/Kg	0.05	0.3	08/28/08 18:30	rac
Thallium, total (3050)	M6020 ICP-MS	0.26	B		mg/Kg	0.05	0.3	08/15/08 23:33	msh
Uranium, total (3050)	M6020 ICP-MS	3.15		*	mg/Kg	0.05	0.3	08/15/08 23:33	msh
Zinc, total (3050)	M6010B ICP	96		*	mg/Kg	1	5	08/14/08 23:44	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.4		*	%	0.1	0.5	07/30/08 13:55	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/29/08 23:43	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 13:43	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:44	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-P12-1-3

ACZ Sample ID: ***L70791-06***
Date Sampled: *07/23/08 11:03*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/15/08 23:39	msh
Arsenic, total (3050)	M6020 ICP-MS	3.4			mg/Kg	0.3	0.5	08/14/08 21:02	erf/msh
Barium, total (3050)	M6010B ICP	49.9		*	mg/Kg	0.3	2	08/14/08 23:47	aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	08/16/08 2:16	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:47	aeh
Chromium, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/14/08 23:47	aeh
Cobalt, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	08/14/08 23:47	aeh
Copper, total (3050)	M6010B ICP	337		*	mg/Kg	1	5	08/14/08 23:47	aeh
Lead, total (3050)	M6020 ICP-MS	7.98			mg/Kg	0.05	0.3	08/14/08 21:02	erf/msh
Manganese, total (3050)	M6010B ICP	85.0		*	mg/Kg	0.5	3	08/16/08 2:16	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:47	jws
Molybdenum, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/14/08 23:47	aeh
Nickel, total (3050)	M6010B ICP	31			mg/Kg	1	5	08/14/08 23:47	aeh
Selenium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/28/08 18:32	rac
Thallium, total (3050)	M6020 ICP-MS	0.18	B		mg/Kg	0.05	0.3	08/15/08 23:39	msh
Uranium, total (3050)	M6020 ICP-MS	1.30		*	mg/Kg	0.05	0.3	08/15/08 23:39	msh
Zinc, total (3050)	M6010B ICP	27		*	mg/Kg	1	5	08/14/08 23:47	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.2		*	%	0.1	0.5	07/30/08 15:04	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 0:14	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 13:55	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:47	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-08-0-1.5

ACZ Sample ID: ***L70791-07***
Date Sampled: *07/28/08 09:10*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 23:46	msh
Arsenic, total (3050)	M6020 ICP-MS	2.0			mg/Kg	0.3	0.5	08/14/08 21:09	erf/msh
Barium, total (3050)	M6010B ICP	135		*	mg/Kg	0.3	2	08/14/08 23:51	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/16/08 2:19	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/14/08 23:51	aeh
Chromium, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/14/08 23:51	aeh
Cobalt, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/14/08 23:51	aeh
Copper, total (3050)	M6010B ICP	599		*	mg/Kg	1	5	08/14/08 23:51	aeh
Lead, total (3050)	M6020 ICP-MS	6.87			mg/Kg	0.05	0.3	08/14/08 21:09	erf/msh
Manganese, total (3050)	M6010B ICP	283		*	mg/Kg	0.5	3	08/16/08 2:19	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:49	jws
Molybdenum, total (3050)	M6010B ICP	86			mg/Kg	1	5	08/14/08 23:51	aeh
Nickel, total (3050)	M6010B ICP	31			mg/Kg	1	5	08/14/08 23:51	aeh
Selenium, total (3050)	M6020 ICP-MS	0.27	B	*	mg/Kg	0.05	0.3	08/28/08 18:33	rac
Thallium, total (3050)	M6020 ICP-MS	0.25	B		mg/Kg	0.05	0.3	08/15/08 23:46	msh
Uranium, total (3050)	M6020 ICP-MS	5.96		*	mg/Kg	0.05	0.3	08/15/08 23:46	msh
Zinc, total (3050)	M6010B ICP	50		*	mg/Kg	1	5	08/14/08 23:51	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.0		*	%	0.1	0.5	07/30/08 16:14	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 0:46	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 14:06	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:51	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-08-1.5-3.0

ACZ Sample ID: ***L70791-08***
Date Sampled: *07/28/08 09:10*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 23:52	msh
Arsenic, total (3050)	M6020 ICP-MS	1.2			mg/Kg	0.3	0.5	08/14/08 21:15	erf/msh
Barium, total (3050)	M6010B ICP	164		*	mg/Kg	0.3	2	08/15/08 0:01	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/16/08 2:23	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:01	aeh
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 0:01	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/15/08 0:01	aeh
Copper, total (3050)	M6010B ICP	142		*	mg/Kg	1	5	08/15/08 0:01	aeh
Lead, total (3050)	M6020 ICP-MS	3.69			mg/Kg	0.05	0.3	08/14/08 21:15	erf/msh
Manganese, total (3050)	M6010B ICP	300		*	mg/Kg	0.5	3	08/16/08 2:23	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:51	jws
Molybdenum, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 0:01	aeh
Nickel, total (3050)	M6010B ICP	27			mg/Kg	1	5	08/15/08 0:01	aeh
Selenium, total (3050)	M6020 ICP-MS	0.09	B	*	mg/Kg	0.05	0.3	08/28/08 18:38	rac
Thallium, total (3050)	M6020 ICP-MS	0.33			mg/Kg	0.05	0.3	08/15/08 23:52	msh
Uranium, total (3050)	M6020 ICP-MS	3.99		*	mg/Kg	0.05	0.3	08/15/08 23:52	msh
Zinc, total (3050)	M6010B ICP	52		*	mg/Kg	1	5	08/15/08 0:01	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.4		*	%	0.1	0.5	07/30/08 17:23	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 1:17	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 14:18	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:54	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-10-0-1.5

ACZ Sample ID: ***L70791-09***
Date Sampled: *07/28/08 10:00*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 23:59	msh
Arsenic, total (3050)	M6020 ICP-MS	3.6			mg/Kg	0.3	0.5	08/14/08 21:22	erf/msh
Barium, total (3050)	M6010B ICP	161		*	mg/Kg	0.3	2	08/15/08 0:05	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/16/08 2:27	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:05	aeh
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 0:05	aeh
Cobalt, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 0:05	aeh
Copper, total (3050)	M6010B ICP	570		*	mg/Kg	1	5	08/15/08 0:05	aeh
Lead, total (3050)	M6020 ICP-MS	6.23			mg/Kg	0.05	0.3	08/14/08 21:22	erf/msh
Manganese, total (3050)	M6010B ICP	278		*	mg/Kg	0.5	3	08/16/08 2:27	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:53	jws
Molybdenum, total (3050)	M6010B ICP	84			mg/Kg	1	5	08/15/08 0:05	aeh
Nickel, total (3050)	M6010B ICP	29			mg/Kg	1	5	08/15/08 0:05	aeh
Selenium, total (3050)	M6020 ICP-MS	0.34		*	mg/Kg	0.05	0.3	08/28/08 18:39	rac
Thallium, total (3050)	M6020 ICP-MS	0.25	B		mg/Kg	0.05	0.3	08/15/08 23:59	msh
Uranium, total (3050)	M6020 ICP-MS	4.13		*	mg/Kg	0.05	0.3	08/15/08 23:59	msh
Zinc, total (3050)	M6010B ICP	47		*	mg/Kg	1	5	08/15/08 0:05	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.5		*	%	0.1	0.5	07/30/08 18:32	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 1:48	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 14:29	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 11:58	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-10-1.5-3.0

ACZ Sample ID: ***L70791-10***
Date Sampled: *07/28/08 10:00*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/16/08 0:05	msh
Arsenic, total (3050)	M6020 ICP-MS	1.2			mg/Kg	0.3	0.5	08/14/08 21:28	erf/msh
Barium, total (3050)	M6010B ICP	193		*	mg/Kg	0.3	2	08/15/08 0:08	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/16/08 2:30	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:08	aeh
Chromium, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 0:08	aeh
Cobalt, total (3050)	M6010B ICP	12			mg/Kg	1	5	08/15/08 0:08	aeh
Copper, total (3050)	M6010B ICP	269		*	mg/Kg	1	5	08/15/08 0:08	aeh
Lead, total (3050)	M6020 ICP-MS	1.81			mg/Kg	0.05	0.3	08/14/08 21:28	erf/msh
Manganese, total (3050)	M6010B ICP	332		*	mg/Kg	0.5	3	08/16/08 2:30	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:55	jws
Molybdenum, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	08/15/08 0:08	aeh
Nickel, total (3050)	M6010B ICP	31			mg/Kg	1	5	08/15/08 0:08	aeh
Selenium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.05	0.3	08/14/08 21:28	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.32			mg/Kg	0.05	0.3	08/16/08 0:05	msh
Uranium, total (3050)	M6020 ICP-MS	4.41		*	mg/Kg	0.05	0.3	08/16/08 0:05	msh
Zinc, total (3050)	M6010B ICP	53		*	mg/Kg	1	5	08/15/08 0:08	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.6		*	%	0.1	0.5	07/30/08 19:42	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 2:19	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 14:41	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:01	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-09-0-1.5

ACZ Sample ID: ***L70791-11***
Date Sampled: *07/28/08 10:39*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/16/08 0:11	msh
Arsenic, total (3050)	M6020 ICP-MS	1.9			mg/Kg	0.3	0.5	08/14/08 21:35	erf/msh
Barium, total (3050)	M6010B ICP	139		*	mg/Kg	0.3	2	08/15/08 0:11	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/16/08 2:34	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:11	aeh
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 0:11	aeh
Cobalt, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/15/08 0:11	aeh
Copper, total (3050)	M6010B ICP	1100		*	mg/Kg	1	5	08/15/08 0:11	aeh
Lead, total (3050)	M6020 ICP-MS	11.30			mg/Kg	0.05	0.3	08/14/08 21:35	erf/msh
Manganese, total (3050)	M6010B ICP	312		*	mg/Kg	0.5	3	08/16/08 2:34	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 14:58	jws
Molybdenum, total (3050)	M6010B ICP	157			mg/Kg	1	5	08/15/08 0:11	aeh
Nickel, total (3050)	M6010B ICP	29			mg/Kg	1	5	08/15/08 0:11	aeh
Selenium, total (3050)	M6020 ICP-MS	0.30		*	mg/Kg	0.05	0.3	08/28/08 18:41	rac
Thallium, total (3050)	M6020 ICP-MS	0.21	B		mg/Kg	0.05	0.3	08/16/08 0:11	msh
Uranium, total (3050)	M6020 ICP-MS	2.44		*	mg/Kg	0.05	0.3	08/16/08 0:11	msh
Zinc, total (3050)	M6010B ICP	75		*	mg/Kg	1	5	08/15/08 0:11	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.2		*	%	0.1	0.5	07/30/08 20:51	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 2:50	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 14:53	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:05	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CP-SD-09-1.5-3.0

ACZ Sample ID: ***L70791-12***
Date Sampled: *07/28/08 10:39*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/16/08 0:24	msh
Arsenic, total (3050)	M6020 ICP-MS	0.7			mg/Kg	0.3	0.5	08/14/08 21:48	erf/msh
Barium, total (3050)	M6010B ICP	131		*	mg/Kg	0.3	2	08/15/08 0:15	aeh
Beryllium, total (3050)	M6010B ICP	0.2	B		mg/Kg	0.2	1	08/16/08 2:37	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:15	aeh
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 0:15	aeh
Cobalt, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 0:15	aeh
Copper, total (3050)	M6010B ICP	380		*	mg/Kg	1	5	08/15/08 0:15	aeh
Lead, total (3050)	M6020 ICP-MS	26.60			mg/Kg	0.05	0.3	08/14/08 21:48	erf/msh
Manganese, total (3050)	M6010B ICP	239		*	mg/Kg	0.5	3	08/16/08 2:37	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:00	jws
Molybdenum, total (3050)	M6010B ICP	25			mg/Kg	1	5	08/15/08 0:15	aeh
Nickel, total (3050)	M6010B ICP	28			mg/Kg	1	5	08/15/08 0:15	aeh
Selenium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.05	0.3	08/14/08 21:48	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.25	B		mg/Kg	0.05	0.3	08/16/08 0:24	msh
Uranium, total (3050)	M6020 ICP-MS	2.46		*	mg/Kg	0.05	0.3	08/16/08 0:24	msh
Zinc, total (3050)	M6010B ICP	52		*	mg/Kg	1	5	08/15/08 0:15	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.8		*	%	0.1	0.5	07/30/08 22:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 3:21	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 15:04	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:08	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-01-0-1.5

ACZ Sample ID: ***L70791-13***
Date Sampled: *07/28/08 10:58*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/16/08 0:43	msh
Arsenic, total (3050)	M6020 ICP-MS	2.0		*	mg/Kg	0.3	0.5	08/21/08 10:56	msh
Barium, total (3050)	M6010B ICP	184		*	mg/Kg	0.3	2	08/15/08 0:18	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/16/08 2:41	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:18	aeh
Chromium, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 0:18	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/15/08 0:18	aeh
Copper, total (3050)	M6010B ICP	361		*	mg/Kg	1	5	08/15/08 0:18	aeh
Lead, total (3050)	M6020 ICP-MS	5.32			mg/Kg	0.05	0.3	08/14/08 22:07	erf/msh
Manganese, total (3050)	M6010B ICP	332		*	mg/Kg	0.5	3	08/16/08 2:41	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:03	jws
Molybdenum, total (3050)	M6010B ICP	87			mg/Kg	1	5	08/15/08 0:18	aeh
Nickel, total (3050)	M6010B ICP	30			mg/Kg	1	5	08/15/08 0:18	aeh
Selenium, total (3050)	M6020 ICP-MS	0.23	B	*	mg/Kg	0.05	0.3	08/28/08 18:42	rac
Thallium, total (3050)	M6020 ICP-MS	0.29	B		mg/Kg	0.05	0.3	08/16/08 0:43	msh
Uranium, total (3050)	M6020 ICP-MS	3.11		*	mg/Kg	0.05	0.3	08/16/08 0:43	msh
Zinc, total (3050)	M6010B ICP	51		*	mg/Kg	1	5	08/15/08 0:18	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.0		*	%	0.1	0.5	07/30/08 23:09	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 3:52	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 15:16	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:12	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-01-1.5-3.0

ACZ Sample ID: ***L70791-14***
Date Sampled: *07/28/08 10:58*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/16/08 0:50	msh
Arsenic, total (3050)	M6020 ICP-MS	1.2		*	mg/Kg	0.3	0.5	08/21/08 11:01	msh
Barium, total (3050)	M6010B ICP	185		*	mg/Kg	0.3	2	08/15/08 0:22	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/16/08 2:45	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:22	aeh
Chromium, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/15/08 0:22	aeh
Cobalt, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/15/08 0:22	aeh
Copper, total (3050)	M6010B ICP	125		*	mg/Kg	1	5	08/15/08 0:22	aeh
Lead, total (3050)	M6020 ICP-MS	2.59			mg/Kg	0.05	0.3	08/14/08 22:14	erf/msh
Manganese, total (3050)	M6010B ICP	346		*	mg/Kg	0.5	3	08/16/08 2:45	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:05	jws
Molybdenum, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/15/08 0:22	aeh
Nickel, total (3050)	M6010B ICP	29			mg/Kg	1	5	08/15/08 0:22	aeh
Selenium, total (3050)	M6020 ICP-MS	0.08	B	*	mg/Kg	0.05	0.3	08/28/08 18:43	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B		mg/Kg	0.05	0.3	08/16/08 0:50	msh
Uranium, total (3050)	M6020 ICP-MS	7.42		*	mg/Kg	0.05	0.3	08/16/08 0:50	msh
Zinc, total (3050)	M6010B ICP	43		*	mg/Kg	1	5	08/15/08 0:22	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.4		*	%	0.1	0.5	07/31/08 0:19	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 4:23	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 15:27	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:15	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-02-0-1.5

ACZ Sample ID: ***L70791-15***
Date Sampled: *07/28/08 11:11*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/16/08 0:56	msh
Arsenic, total (3050)	M6020 ICP-MS	2.2		*	mg/Kg	0.3	0.5	08/21/08 11:06	msh
Barium, total (3050)	M6010B ICP	173		*	mg/Kg	0.3	2	08/15/08 0:25	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/16/08 2:56	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:25	aeh
Chromium, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 0:25	aeh
Cobalt, total (3050)	M6010B ICP	12			mg/Kg	1	5	08/15/08 0:25	aeh
Copper, total (3050)	M6010B ICP	376		*	mg/Kg	1	5	08/15/08 0:25	aeh
Lead, total (3050)	M6020 ICP-MS	7.63			mg/Kg	0.05	0.3	08/14/08 22:20	erf/msh
Manganese, total (3050)	M6010B ICP	390		*	mg/Kg	0.5	3	08/16/08 2:56	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:08	jws
Molybdenum, total (3050)	M6010B ICP	107			mg/Kg	1	5	08/15/08 0:25	aeh
Nickel, total (3050)	M6010B ICP	32			mg/Kg	1	5	08/15/08 0:25	aeh
Selenium, total (3050)	M6020 ICP-MS	0.42		*	mg/Kg	0.05	0.3	08/28/08 18:45	rac
Thallium, total (3050)	M6020 ICP-MS	0.30			mg/Kg	0.05	0.3	08/16/08 0:56	msh
Uranium, total (3050)	M6020 ICP-MS	4.66		*	mg/Kg	0.05	0.3	08/16/08 0:56	msh
Zinc, total (3050)	M6010B ICP	60		*	mg/Kg	1	5	08/15/08 0:25	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.1		*	%	0.1	0.5	07/31/08 1:28	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 4:54	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 15:39	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:19	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-02-1.5-3.0

ACZ Sample ID: ***L70791-16***
Date Sampled: *07/28/08 11:11*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/16/08 1:03	msh
Arsenic, total (3050)	M6020 ICP-MS	0.9		*	mg/Kg	0.3	0.5	08/21/08 11:11	msh
Barium, total (3050)	M6010B ICP	173		*	mg/Kg	0.3	2	08/15/08 0:29	aeh
Beryllium, total (3050)	M6010B ICP	0.2	B		mg/Kg	0.2	1	08/16/08 2:59	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:29	aeh
Chromium, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 0:29	aeh
Cobalt, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 0:29	aeh
Copper, total (3050)	M6010B ICP	27		*	mg/Kg	1	5	08/15/08 0:29	aeh
Lead, total (3050)	M6020 ICP-MS	1.89			mg/Kg	0.05	0.3	08/14/08 22:26	erf/msh
Manganese, total (3050)	M6010B ICP	320		*	mg/Kg	0.5	3	08/16/08 2:59	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:15	jws
Molybdenum, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	08/15/08 0:29	aeh
Nickel, total (3050)	M6010B ICP	26			mg/Kg	1	5	08/15/08 0:29	aeh
Selenium, total (3050)	M6020 ICP-MS	0.07	B	*	mg/Kg	0.05	0.3	08/28/08 18:46	rac
Thallium, total (3050)	M6020 ICP-MS	0.32			mg/Kg	0.05	0.3	08/16/08 1:03	msh
Uranium, total (3050)	M6020 ICP-MS	3.37		*	mg/Kg	0.05	0.3	08/16/08 1:03	msh
Zinc, total (3050)	M6010B ICP	41		*	mg/Kg	1	5	08/15/08 0:29	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.8		*	%	0.1	0.5	07/31/08 2:37	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 5:25	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 15:50	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:23	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-04-0-1.5

ACZ Sample ID: ***L70791-17***
Date Sampled: *07/28/08 12:34*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/16/08 1:09	msh
Arsenic, total (3050)	M6020 ICP-MS	3.1		*	mg/Kg	0.3	0.5	08/21/08 11:16	msh
Barium, total (3050)	M6010B ICP	118		*	mg/Kg	0.3	2	08/15/08 0:32	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/16/08 3:03	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:32	aeh
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 0:32	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/15/08 0:32	aeh
Copper, total (3050)	M6010B ICP	1640		*	mg/Kg	1	5	08/15/08 0:32	aeh
Lead, total (3050)	M6020 ICP-MS	8.86			mg/Kg	0.05	0.3	08/14/08 22:33	erf/msh
Manganese, total (3050)	M6010B ICP	262		*	mg/Kg	0.5	3	08/16/08 3:03	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:17	jws
Molybdenum, total (3050)	M6010B ICP	128			mg/Kg	1	5	08/15/08 0:32	aeh
Nickel, total (3050)	M6010B ICP	29			mg/Kg	1	5	08/15/08 0:32	aeh
Selenium, total (3050)	M6020 ICP-MS	0.53		*	mg/Kg	0.05	0.3	08/28/08 18:48	rac
Thallium, total (3050)	M6020 ICP-MS	0.30	B		mg/Kg	0.05	0.3	08/16/08 1:09	msh
Uranium, total (3050)	M6020 ICP-MS	4.25		*	mg/Kg	0.05	0.3	08/16/08 1:09	msh
Zinc, total (3050)	M6010B ICP	68		*	mg/Kg	1	5	08/15/08 0:32	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.9		*	%	0.1	0.5	07/31/08 3:47	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 5:56	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 16:02	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:26	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-04-1.5-3.0

ACZ Sample ID: ***L70791-18***
Date Sampled: *07/28/08 12:34*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/16/08 1:16	msh
Arsenic, total (3050)	M6020 ICP-MS	2.1		*	mg/Kg	0.3	0.5	08/21/08 11:31	msh
Barium, total (3050)	M6010B ICP	133		*	mg/Kg	0.3	2	08/15/08 0:43	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	08/16/08 3:07	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:43	aeh
Chromium, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 0:43	aeh
Cobalt, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 0:43	aeh
Copper, total (3050)	M6010B ICP	671		*	mg/Kg	1	5	08/15/08 0:43	aeh
Lead, total (3050)	M6020 ICP-MS	2.20			mg/Kg	0.05	0.3	08/14/08 22:39	erf/msh
Manganese, total (3050)	M6010B ICP	258		*	mg/Kg	0.5	3	08/16/08 3:07	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:19	jws
Molybdenum, total (3050)	M6010B ICP	25			mg/Kg	1	5	08/15/08 0:43	aeh
Nickel, total (3050)	M6010B ICP	27			mg/Kg	1	5	08/15/08 0:43	aeh
Selenium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/28/08 18:49	rac
Thallium, total (3050)	M6020 ICP-MS	0.26	B		mg/Kg	0.05	0.3	08/16/08 1:16	msh
Uranium, total (3050)	M6020 ICP-MS	2.18		*	mg/Kg	0.05	0.3	08/16/08 1:16	msh
Zinc, total (3050)	M6010B ICP	48		*	mg/Kg	1	5	08/15/08 0:43	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.9		*	%	0.1	0.5	07/31/08 4:56	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 6:27	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 16:13	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:30	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-03-0-1.5

ACZ Sample ID: ***L70791-19***
Date Sampled: *07/28/08 13:00*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/16/08 1:22	msh
Arsenic, total (3050)	M6020 ICP-MS	2.7		*	mg/Kg	0.3	0.5	08/21/08 11:36	msh
Barium, total (3050)	M6010B ICP	158		*	mg/Kg	0.3	2	08/15/08 0:46	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/16/08 3:10	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 0:46	aeh
Chromium, total (3050)	M6010B ICP	18		*	mg/Kg	1	5	08/15/08 0:46	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/15/08 0:46	aeh
Copper, total (3050)	M6010B ICP	2350		*	mg/Kg	1	5	08/15/08 0:46	aeh
Lead, total (3050)	M6020 ICP-MS	46.70			mg/Kg	0.05	0.3	08/14/08 22:46	erf/msh
Manganese, total (3050)	M6010B ICP	316		*	mg/Kg	0.5	3	08/16/08 3:10	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:21	jws
Molybdenum, total (3050)	M6010B ICP	100			mg/Kg	1	5	08/15/08 0:46	aeh
Nickel, total (3050)	M6010B ICP	31			mg/Kg	1	5	08/15/08 0:46	aeh
Selenium, total (3050)	M6020 ICP-MS	0.41		*	mg/Kg	0.05	0.3	08/28/08 18:51	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B		mg/Kg	0.05	0.3	08/16/08 1:22	msh
Uranium, total (3050)	M6020 ICP-MS	7.57		*	mg/Kg	0.05	0.3	08/16/08 1:22	msh
Zinc, total (3050)	M6010B ICP	147		*	mg/Kg	1	5	08/15/08 0:46	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.7		*	%	0.1	0.5	07/31/08 6:05	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 6:58	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 16:25	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:33	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-03-1.5-3.0

ACZ Sample ID: ***L70791-20***
Date Sampled: *07/28/08 13:00*
Date Received: *07/29/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.4	2	08/16/08 1:28	msh
Arsenic, total (3050)	M6020 ICP-MS	2.8		*	mg/Kg	0.5	1	08/21/08 11:41	msh
Barium, total (3050)	M6010B ICP	87.9		*	mg/Kg	0.3	2	08/15/08 0:49	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	08/16/08 3:14	aeh
Cadmium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.5	2	08/15/08 0:49	aeh
Chromium, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 0:49	aeh
Cobalt, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/15/08 0:49	aeh
Copper, total (3050)	M6010B ICP	4390		*	mg/Kg	1	5	08/15/08 0:49	aeh
Lead, total (3050)	M6020 ICP-MS	253			mg/Kg	0.1	0.5	08/16/08 1:28	msh
Manganese, total (3050)	M6010B ICP	173		*	mg/Kg	0.5	3	08/16/08 3:14	aeh
Mercury, total	M7471A CVAA	0.05	B		mg/Kg	0.04	0.2	08/11/08 15:23	jws
Molybdenum, total (3050)	M6010B ICP	145			mg/Kg	1	5	08/15/08 0:49	aeh
Nickel, total (3050)	M6010B ICP	30			mg/Kg	1	5	08/15/08 0:49	aeh
Selenium, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.1	0.5	08/28/08 18:55	rac
Thallium, total (3050)	M6020 ICP-MS	0.2	B		mg/Kg	0.1	0.5	08/16/08 1:28	msh
Uranium, total (3050)	M6020 ICP-MS	7.8		*	mg/Kg	0.1	0.5	08/16/08 1:28	msh
Zinc, total (3050)	M6010B ICP	201		*	mg/Kg	1	5	08/15/08 0:49	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.7		*	%	0.1	0.5	07/31/08 7:14	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 7:29	bjl
Digestion - Hot Plate	M3050B ICP-MS							08/08/08 16:36	mjc/lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:37	lwt/brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250091													
WG250091ICV	ICV	08/15/08 21:49	MS080813-2	.02006		.02032	mg/L	101.3	90	110			
WG250091ICB	ICB	08/15/08 21:56				.00048	mg/L		-0.0012	0.0012			
WG249661PBS	PBS	08/15/08 22:22				.25	mg/Kg		-0.6	0.6			
WG249661LCSS	LCSS	08/15/08 22:29	PCN30289	126		97.4	mg/Kg		63.3	189			
WG249661LCSSD	LCSSD	08/15/08 22:35	PCN30289	126		102.7	mg/Kg		63.3	189	5.3	20	
L70791-01MS	MS	08/15/08 22:48	MS080707-3	5	.3	2.31	mg/Kg	40.2	75	125			M2
L70791-01MSD	MSD	08/15/08 22:54	MS080707-3	5	.3	2.34	mg/Kg	40.8	75	125	1.29	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249797													
WG249797ICV	ICV	08/14/08 19:11	MS080722-4	.05		.0526	mg/L	105.2	90	110			
WG249797ICB	ICB	08/14/08 19:18				U	mg/L		-0.0015	0.0015			
WG249661PBS	PBS	08/14/08 19:44				U	mg/Kg		-0.9	0.9			
WG249661LCSS	LCSS	08/14/08 19:51	PCN30289	225		254.7	mg/Kg		181	270			
WG249661LCSSD	LCSSD	08/14/08 19:58	PCN30289	225		263.6	mg/Kg		181	270	3.4	20	
L70791-01MS	MS	08/14/08 20:11	MS080707-3	25	2.3	27.69	mg/Kg	101.6	75	125			
L70791-01MSD	MSD	08/14/08 20:17	MS080707-3	25	2.3	28.64	mg/Kg	105.4	75	125	3.37	20	
WG250196													
WG250196ICV	ICV	08/21/08 9:14	MS080813-2	.05		.05245	mg/L	104.9	90	110			
WG250196ICB	ICB	08/21/08 9:19				U	mg/L		-0.0015	0.0015			
WG249661PBS	PBS	08/21/08 9:40				U	mg/Kg		-0.9	0.9			
WG249661LCSS	LCSS	08/21/08 9:45	PCN30289	225		245.8	mg/Kg		181	270			
WG249661LCSSD	LCSSD	08/21/08 9:50	PCN30289	225		246.2	mg/Kg		181	270	0.2	20	
L70791-01MS	MS	08/21/08 10:00	MS080707-3	25	2.3	24.88	mg/Kg	90.3	75	125			
L70791-01MSD	MSD	08/21/08 10:05	MS080707-3	25	2.3	25.36	mg/Kg	92.2	75	125	1.91	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		2.0377	mg/L	101.9	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.009	0.009			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-0.9	0.9			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	565		563.2	mg/Kg		461	669			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	565		591.18	mg/Kg		461	669	4.8	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	87.9	169.43	mg/Kg	163.1	75	125			M1
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	87.9	168.98	mg/Kg	162.2	75	125	0.27	20	M1

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

Project ID: OJ07R9

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250054													
WG250054ICV	ICV	08/16/08 1:21	II080717-1	2		1.8805	mg/L	94	90	110			
WG250054ICB	ICB	08/16/08 1:25				U	mg/L		-0.006	0.006			
WG249661PBS	PBS	08/16/08 1:39				U	mg/Kg		-0.6	0.6			
WG249661LCSS	LCSS	08/16/08 1:43	PCN30289	162		165.74	mg/Kg		134	190			
WG249661LCSSD	LCSSD	08/16/08 1:47	PCN30289	162		172.94	mg/Kg		134	190	4.3	20	
L70791-20MS	MS	08/16/08 3:21	II080730-2	50	.3	47.01	mg/Kg	93.4	75	125			
L70791-20MSD	MSD	08/16/08 3:25	II080730-2	50	.3	45.85	mg/Kg	91.1	75	125	2.5	20	

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		1.939	mg/L	97	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.015	0.015			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-1.5	1.5			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	69.1		65.73	mg/Kg		58.1	80.1			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	69.1		73.01	mg/Kg		58.1	80.1	10.5	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	.5	50.86	mg/Kg	100.7	75	125			
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	.5	50.69	mg/Kg	100.4	75	125	0.33	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		1.989	mg/L	99.5	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.03	0.03			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-3	3			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	124		133.2	mg/Kg		101	147			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	124		138.9	mg/Kg		101	147	4.2	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	13	66.7	mg/Kg	107.4	75	125			
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	13	64.5	mg/Kg	103	75	125	3.35	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		1.901	mg/L	95.1	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.03	0.03			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-3	3			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	115		117.7	mg/Kg		95.6	135			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	115		124.2	mg/Kg		95.6	135	5.4	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	8	59	mg/Kg	102	75	125			
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	8	57.9	mg/Kg	99.8	75	125	1.88	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

Project ID: OJ07R9

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		1.989	mg/L	99.5	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.03	0.03			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-3	3			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	66.7		66.7	mg/Kg		53.9	79.5			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	66.7		69.6	mg/Kg		53.9	79.5	4.3	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	4390	4817.9	mg/Kg	855.8	75	125			M3
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	4390	4208.6	mg/Kg	-362.8	75	125	13.5	20	M3

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249797													
WG249797ICV	ICV	08/14/08 19:11	MS080722-4	.05		.05009	mg/L	100.2	90	110			
WG249797ICB	ICB	08/14/08 19:18				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/14/08 19:44				U	mg/Kg		-0.15	0.15			
WG249661LCSS	LCSS	08/14/08 19:51	PCN30289	223		245.35	mg/Kg		183	264			
WG249661LCSSD	LCSSD	08/14/08 19:58	PCN30289	223		241.35	mg/Kg		183	264	1.6	20	
L70791-01MS	MS	08/14/08 20:11	MS080707-3	25	4.61	31.925	mg/Kg	109.3	75	125			
L70791-01MSD	MSD	08/14/08 20:17	MS080707-3	25	4.61	31.73	mg/Kg	108.5	75	125	0.61	20	
WG250091													
WG250091ICV	ICV	08/15/08 21:49	MS080813-2	.05		.04962	mg/L	99.2	90	110			
WG250091ICB	ICB	08/15/08 21:56				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/15/08 22:22				U	mg/Kg		-0.15	0.15			
WG249661LCSS	LCSS	08/15/08 22:29	PCN30289	223		232	mg/Kg		183	264			
WG249661LCSSD	LCSSD	08/15/08 22:35	PCN30289	223		232.35	mg/Kg		183	264	0.2	20	
L70791-01MS	MS	08/15/08 22:48	MS080707-3	25	4.25	28.67	mg/Kg	97.7	75	125			
L70791-01MSD	MSD	08/15/08 22:54	MS080707-3	25	4.25	28.485	mg/Kg	96.9	75	125	0.65	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250054													
WG250054ICV	ICV	08/16/08 1:21	II080717-1	2		1.9774	mg/L	98.9	90	110			
WG250054ICB	ICB	08/16/08 1:25				U	mg/L		-0.015	0.015			
WG249661PBS	PBS	08/16/08 1:39				U	mg/Kg		-1.5	1.5			
WG249661LCSS	LCSS	08/16/08 1:43	PCN30289	368		374.84	mg/Kg		304	433			
WG249661LCSSD	LCSSD	08/16/08 1:47	PCN30289	368		370.19	mg/Kg		304	433	1.2	20	
L70791-20MS	MS	08/16/08 3:21	II080730-2	50	173	273.71	mg/Kg	201.4	75	125			M3
L70791-20MSD	MSD	08/16/08 3:25	II080730-2	50	173	246.29	mg/Kg	146.6	75	125	10.55	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

Project ID: OJ07R9

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249682													
WG249682ICV	ICV	08/11/08 14:16	II080721-4	.01002		.00965	mg/L	96.3	90	110			
WG249682ICB	ICB	08/11/08 14:18				U	mg/L		-0.0006	0.0006			
WG249682PBS	PBS	08/11/08 14:20				U	mg/Kg		-0.09	0.09			
WG249682LCSS	LCSS	08/11/08 14:23	PCN28813	5.8		4.56	mg/Kg		3.83	7.69			
WG249682LCSSD	LCSSD	08/11/08 14:25	PCN28813	5.8		5.16	mg/Kg		3.83	7.69	12.3	20	
L70791-01MS	MS	08/11/08 14:29	II080807-2	.99	U	.952	mg/Kg	96.2	85	115			
L70791-01MSD	MSD	08/11/08 14:31	II080807-2	1	U	.988	mg/Kg	98.8	85	115	3.71	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		1.956	mg/L	97.8	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.03	0.03			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-3	3			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	107		110.4	mg/Kg		83.8	130			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	107		118.5	mg/Kg		83.8	130	7.1	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	145	195.9	mg/Kg	101.8	75	125			
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	145	194.2	mg/Kg	98.4	75	125	0.87	20	

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		2.07	mg/L	103.5	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.03	0.03			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-3	3			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	172		189.8	mg/Kg		140	204			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	172		202.7	mg/Kg		140	204	6.6	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	49.85	30	83.8	mg/Kg	107.9	75	125			
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	49.85	30	85.4	mg/Kg	111.1	75	125	1.89	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

Project ID: OJ07R9

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249797													
WG249797ICV	ICV	08/14/08 19:11	MS080722-4	.05		.05309	mg/L	106.2	90	110			
WG249797ICB	ICB	08/14/08 19:18				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/14/08 19:44				U	mg/Kg		-0.15	0.15			
WG249661LCSS	LCSS	08/14/08 19:51	PCN30289	147		163.45	mg/Kg		114	180			
WG249661LCSSD	LCSSD	08/14/08 19:58	PCN30289	147		178.25	mg/Kg		114	180	8.7	20	
L70791-01MS	MS	08/14/08 20:11	MS080707-3	12.5	.35	13.245	mg/Kg	103.2	75	125			
L70791-01MSD	MSD	08/14/08 20:17	MS080707-3	12.5	.35	12.73	mg/Kg	99	75	125	3.97	20	
WG250395													
WG250395ICV	ICV	08/28/08 18:13	MS080813-2	.05		.05118	mg/L	102.4	90	110			
WG250395ICB	ICB	08/28/08 18:14				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/28/08 18:20				U	mg/Kg		-0.15	0.15			
WG249661LCSS	LCSS	08/28/08 18:21	PCN30289	147		163.25	mg/Kg		114	180			
WG249661LCSSD	LCSSD	08/28/08 18:23	PCN30289	147		164.95	mg/Kg		114	180	1	20	
L70791-01MS	MS	08/28/08 18:27	MS080707-3	12.5	.38	12.08	mg/Kg	93.6	75	125			
L70791-01MSD	MSD	08/28/08 18:28	MS080707-3	12.5	.38	12.09	mg/Kg	93.7	75	125	0.08	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249031													
WG249031PBS	PBS	07/30/08 7:00				U	%		99.9	100.1			
L70791-01DUP	DUP	07/30/08 9:18			95.9	96.64	%				0.8	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250091													
WG250091ICV	ICV	08/15/08 21:49	MS080813-2	.05		.05283	mg/L	105.7	90	110			
WG250091ICB	ICB	08/15/08 21:56				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/15/08 22:22				U	mg/Kg		-0.15	0.15			
WG249661LCSS	LCSS	08/15/08 22:29	PCN30289	173		182.2	mg/Kg		140	205			
WG249661LCSSD	LCSSD	08/15/08 22:35	PCN30289	173		189.45	mg/Kg		140	205	3.9	20	
L70791-01MS	MS	08/15/08 22:48	MS080707-3	25.05	.26	23.94	mg/Kg	94.5	75	125			
L70791-01MSD	MSD	08/15/08 22:54	MS080707-3	25.05	.26	24.505	mg/Kg	96.8	75	125	2.33	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

Project ID: OJ07R9

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249797													
WG249797ICV	ICV	08/14/08 19:11	MS080722-4	.05		.05224	mg/L	104.5	90	110			
WG249797ICB	ICB	08/14/08 19:18				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/14/08 19:44				U	mg/Kg		-0.15	0.15			
L70791-01MS	MS	08/14/08 20:11	MS080707-3	12.5	2.21	16.835	mg/Kg	117	75	125			
L70791-01MSD	MSD	08/14/08 20:17	MS080707-3	12.5	2.21	16.455	mg/Kg	114	75	125	2.28	20	
WG250091													
WG250091ICV	ICV	08/15/08 21:49	MS080813-2	.05		.04987	mg/L	99.7	90	110			
WG250091ICB	ICB	08/15/08 21:56				U	mg/L		-0.0003	0.0003			
WG249661PBS	PBS	08/15/08 22:22				U	mg/Kg		-0.15	0.15			
L70791-01MS	MS	08/15/08 22:48	MS080707-3	12.5	2.01	14.775	mg/Kg	102.1	75	125			
L70791-01MSD	MSD	08/15/08 22:54	MS080707-3	12.5	2.01	14.67	mg/Kg	101.3	75	125	0.71	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250000													
WG250000ICV	ICV	08/14/08 23:02	II080717-1	2		1.967	mg/L	98.4	90	110			
WG250000ICB	ICB	08/14/08 23:06				U	mg/L		-0.03	0.03			
WG249661PBS	PBS	08/14/08 23:20				U	mg/Kg		-3	3			
WG249661LCSS	LCSS	08/14/08 23:23	PCN30289	349		360	mg/Kg		280	418			
WG249661LCSSD	LCSSD	08/14/08 23:27	PCN30289	349		366.2	mg/Kg		280	418	1.7	20	
L70791-20MS	MS	08/15/08 0:56	II080730-2	50	201	271.8	mg/Kg	141.6	75	125			M3
L70791-20MSD	MSD	08/15/08 1:00	II080730-2	50	201	274.5	mg/Kg	147	75	125	0.99	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-01	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-02	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-03	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-04	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG249797	Selenium, total (3050)	M6020 ICP-MS	VC	CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-05	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-06	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-07	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-08	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-09	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-10	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG249797	Selenium, total (3050)	M6020 ICP-MS	VC	CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-11	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-12	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG249797	Selenium, total (3050)	M6020 ICP-MS	VC	CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-13	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-14	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-15	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-16	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-17	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-18	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.
L70791-19	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70791***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70791-20	WG250091	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250196	Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250054	Manganese, total (3050)	M6010B ICP	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.
	WG250395	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250000	Zinc, total (3050)	M6010B ICP	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.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70791
Date Received: 7/29/2008
Received By:
Date Printed: 7/29/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2269	3.4	16
2268	0.7	16

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70791
Date Received: 7/29/2008
Received By:

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
L70791-01	CP-Q09-0-1									X		
L70791-02	CP-Q09-1-3									X		
L70791-03	CP-SD-07-0-1.5									X		
L70791-04	CP-SD-07-1.5-3.0									X		
L70791-05	CP-P12-0-1									X		
L70791-06	CP-P12-1-3									X		
L70791-07	CP-SD-08-0-1.5									X		
L70791-08	CP-SD-08-1.5-3.0									X		
L70791-09	CP-SD-10-0-1.5									X		
L70791-10	CP-SD-10-1.5-3.0									X		
L70791-11	CP-SD-09-0-1.5									X		
L70791-12	CP-SD-09-1.5-3.0									X		
L70791-13	OD-SD-01-0-1.5									X		
L70791-14	OD-SD-01-1.5-3.0									X		
L70791-15	OD-SD-02-0-1.5									X		
L70791-16	OD-SD-02-1.5-3.0									X		
L70791-17	OD-SD-04-0-1.5									X		
L70791-18	OD-SD-04-1.5-3.0									X		
L70791-19	OD-SD-03-0-1.5									X		
L70791-20	OD-SD-03-1.5-3.0									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: _____

ACZ Laboratories, Inc. L707791

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd, Green Valley, AZ P.O. Box 527
Company: EMJ - Sierrita	Telephone: (520) 648-8857
E-mail: Ned-Hall@EMJ.com	

Copy of Report to:

Name:	E-mail: steven-vaughn@cusa.com
Company:	Telephone: Rick-Smith@cusa.com

Invoice to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd.
Company: EMJ - Sierrita	P.O. Box 527, Green Valley, AZ
E-mail: Ned-Hall@EMJ.com	Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:

Project/PO #: OJ07R9

Reporting state for compliance testing:

Sampler's Name: Armando Jimenez

Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached Quote 7/8/2008
CP-QD9-0-1	7-23-08 1015	SO	1	
CP-QD9-1-3	7-23-08 1015		1	
CP-SD-07-0m1.5	7-23-08 1047		1	
CP-SD-07-1.5-3.0	7-23-08 1047		1	
CP-PI2-0-1	7-23-08 1103		1	
CP-PI2-1-3	7-23-08 1103		1	
CP-SD-08-0-1.5	7-28-08 0910		1	
CP-SD-08-1.5-3.0	7-28-08 0910		1	
CP-SD-10-0-1.5	7-28-08 1000		1	
CP-SD-10-1.5-3.0	7-28-08 1000		1	

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

REMARKS/ SAMPLE DISCLOSURES

~~Fedex~~ UPS: 1Z 810130 84 6008 7126

1Z 810130 84 6008 7135

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. Y	7-28-08 1400	UPS	
		CSC	7-29-08 1000

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: EMI - Sierrita
E-mail: Ned-Hall @ EMI.com

Address: 6200 W. Duval Mine Rd. Green Valley, AZ P. O. Box 527
Telephone: (520) 648-8857

Copy of Report to:

Name:
Company:

E-mail: Steven-Vaughn @ cerscorp.com
Telephone: Rick-Smith @ cerscorp.com

Invoice to:

Name: Ned Hall
Company: EMI-Sierrita
E-mail: Ned-Hall @ EMI.com

Address: 6200 W. Duval Mine Rd P. O. Box 527, Green Valley, AZ
Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 0J07R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

	SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	see attached Quote 78/2008
	CP-SD-09-0-1.5	7-28-08 1039	SO	1	
	CP-SD-09-1.5-3.0	7-28-08 1039		1	
	OD-SD-01-0-1.5	7-28-08 1058		1	
	OD-SD-01-1.5-3.0	7-28-08 1058		1	
	OD-SD-02-0-1.5	7-28-08 1111		1	
	OD-SD-02-1.5-3.0	7-28-08 1111		1	
	OD-SD-04-0-1.5	7-28-08 1234		1	
	OD-SD-04-1.5-3.0	7-28-08 1234		1	
	OD-SD-03-0-1.5	7-28-08 1300		1	
	OD-SD-03-1.5-3.0	7-28-08 1300		1	

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

REMARKS/ SAMPLE DISCLOSURES

UPS: 1Z 810 130 84 6008 7126
1Z 810 130 84 6008 7135

PAGE 2 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. C.	7-28-08 1400	UPS	7-29-08 10:26

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01

D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 18, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Rick Smith, Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70819

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 30, 2008. This project has been assigned to ACZ's project number, L70819. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70819. 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 September 18, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-05-0-1.5

ACZ Sample ID: ***L70819-01***
Date Sampled: *07/29/08 08:16*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.8	B	*	mg/Kg	0.2	1	08/13/08 19:49	rac
Arsenic, total (3050)	M6020 ICP-MS	6.2			mg/Kg	0.3	0.5	08/13/08 19:49	rac
Barium, total (3050)	M6010B ICP	141		*	mg/Kg	0.3	2	08/15/08 1:52	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/15/08 13:42	aeh
Cadmium, total (3050)	M6010B ICP	1.1	B		mg/Kg	0.5	2	08/15/08 1:52	aeh
Chromium, total (3050)	M6010B ICP	22			mg/Kg	1	5	08/15/08 1:52	aeh
Cobalt, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 1:52	aeh
Copper, total (3050)	M6010B ICP	3960		*	mg/Kg	1	5	08/15/08 1:52	aeh
Lead, total (3050)	M6020 ICP-MS	102			mg/Kg	0.05	0.3	08/13/08 19:49	rac
Manganese, total (3050)	M6010B ICP	365		*	mg/Kg	0.5	3	08/15/08 13:42	aeh
Mercury, total	M7471A CVAA	0.05	B		mg/Kg	0.04	0.2	08/11/08 15:51	jws
Molybdenum, total (3050)	M6010B ICP	230			mg/Kg	1	5	08/15/08 1:52	aeh
Nickel, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/15/08 1:52	aeh
Selenium, total (3050)	M6020 ICP-MS	1.04		*	mg/Kg	0.05	0.3	08/13/08 19:49	rac
Thallium, total (3050)	M6020 ICP-MS	0.39		*	mg/Kg	0.05	0.3	08/13/08 19:49	rac
Uranium, total (3050)	M6020 ICP-MS	5.57		*	mg/Kg	0.05	0.3	08/13/08 19:49	rac
Zinc, total (3050)	M6010B ICP	179			mg/Kg	1	5	08/15/08 1:52	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.5		*	%	0.1	0.5	07/30/08 23:41	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:03	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 10:36	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:40	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-05-1.5-3.0

ACZ Sample ID: ***L70819-02***
Date Sampled: *07/29/08 08:16*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/13/08 20:02	rac
Arsenic, total (3050)	M6020 ICP-MS	4.6			mg/Kg	0.3	0.5	08/13/08 20:02	rac
Barium, total (3050)	M6010B ICP	169		*	mg/Kg	0.3	2	08/15/08 2:05	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:01	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:05	aeh
Chromium, total (3050)	M6010B ICP	13			mg/Kg	1	5	08/15/08 2:05	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/15/08 2:05	aeh
Copper, total (3050)	M6010B ICP	916		*	mg/Kg	1	5	08/15/08 2:05	aeh
Lead, total (3050)	M6020 ICP-MS	35.30			mg/Kg	0.05	0.3	08/13/08 20:02	rac
Manganese, total (3050)	M6010B ICP	402		*	mg/Kg	0.5	3	08/15/08 14:01	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 15:59	jws
Molybdenum, total (3050)	M6010B ICP	63			mg/Kg	1	5	08/15/08 2:05	aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/15/08 2:05	aeh
Selenium, total (3050)	M6020 ICP-MS	0.47		*	mg/Kg	0.05	0.3	08/13/08 20:02	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/13/08 20:02	rac
Uranium, total (3050)	M6020 ICP-MS	10.30		*	mg/Kg	0.05	0.3	08/13/08 20:02	rac
Zinc, total (3050)	M6010B ICP	105			mg/Kg	1	5	08/15/08 2:05	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.8		*	%	0.1	0.5	07/31/08 1:03	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:07	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 11:28	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:44	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-06-0-1.5

ACZ Sample ID: ***L70819-03***
Date Sampled: *07/29/08 08:30*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/13/08 20:09	rac
Arsenic, total (3050)	M6020 ICP-MS	5.3			mg/Kg	0.3	0.5	08/13/08 20:09	rac
Barium, total (3050)	M6010B ICP	109		*	mg/Kg	0.3	2	08/15/08 2:09	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:05	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:09	aeh
Chromium, total (3050)	M6010B ICP	13			mg/Kg	1	5	08/15/08 2:09	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 2:09	aeh
Copper, total (3050)	M6010B ICP	2590		*	mg/Kg	1	5	08/15/08 2:09	aeh
Lead, total (3050)	M6020 ICP-MS	29.30			mg/Kg	0.05	0.3	08/13/08 20:09	rac
Manganese, total (3050)	M6010B ICP	334		*	mg/Kg	0.5	3	08/15/08 14:05	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:01	jws
Molybdenum, total (3050)	M6010B ICP	115			mg/Kg	1	5	08/15/08 2:09	aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/15/08 2:09	aeh
Selenium, total (3050)	M6020 ICP-MS	1.04		*	mg/Kg	0.05	0.3	08/13/08 20:09	rac
Thallium, total (3050)	M6020 ICP-MS	0.30	B	*	mg/Kg	0.05	0.3	08/13/08 20:09	rac
Uranium, total (3050)	M6020 ICP-MS	4.33		*	mg/Kg	0.05	0.3	08/13/08 20:09	rac
Zinc, total (3050)	M6010B ICP	198			mg/Kg	1	5	08/15/08 2:09	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	91.7		*	%	0.1	0.5	07/31/08 1:45	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:11	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 11:46	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:47	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-SD-06-1.5-3.0

ACZ Sample ID: ***L70819-04***
Date Sampled: *07/29/08 08:30*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/13/08 20:29	rac
Arsenic, total (3050)	M6020 ICP-MS	3.2			mg/Kg	0.3	0.5	08/13/08 20:29	rac
Barium, total (3050)	M6010B ICP	122		*	mg/Kg	0.3	2	08/15/08 2:12	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:08	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:12	aeh
Chromium, total (3050)	M6010B ICP	12			mg/Kg	1	5	08/15/08 2:12	aeh
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/15/08 2:12	aeh
Copper, total (3050)	M6010B ICP	1130		*	mg/Kg	1	5	08/15/08 2:12	aeh
Lead, total (3050)	M6020 ICP-MS	7.26			mg/Kg	0.05	0.3	08/13/08 20:29	rac
Manganese, total (3050)	M6010B ICP	552		*	mg/Kg	0.5	3	08/15/08 14:08	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:03	jws
Molybdenum, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 2:12	aeh
Nickel, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 2:12	aeh
Selenium, total (3050)	M6020 ICP-MS	0.23	B	*	mg/Kg	0.05	0.3	08/13/08 20:29	rac
Thallium, total (3050)	M6020 ICP-MS	0.23	B	*	mg/Kg	0.05	0.3	08/13/08 20:29	rac
Uranium, total (3050)	M6020 ICP-MS	6.42		*	mg/Kg	0.05	0.3	08/13/08 20:29	rac
Zinc, total (3050)	M6010B ICP	218			mg/Kg	1	5	08/15/08 2:12	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.5		*	%	0.1	0.5	07/31/08 2:26	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:15	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 12:03	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:51	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-JS-01-0-1

ACZ Sample ID: ***L70819-05***
Date Sampled: *07/29/08 09:19*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/13/08 20:35	rac
Arsenic, total (3050)	M6020 ICP-MS	3.6			mg/Kg	0.3	0.5	08/13/08 20:35	rac
Barium, total (3050)	M6010B ICP	121		*	mg/Kg	0.3	2	08/15/08 2:23	aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	08/15/08 14:11	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:23	aeh
Chromium, total (3050)	M6010B ICP	15			mg/Kg	1	5	08/15/08 2:23	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 2:23	aeh
Copper, total (3050)	M6010B ICP	1770		*	mg/Kg	1	5	08/15/08 2:23	aeh
Lead, total (3050)	M6020 ICP-MS	17.70			mg/Kg	0.05	0.3	08/13/08 20:35	rac
Manganese, total (3050)	M6010B ICP	231		*	mg/Kg	0.5	3	08/15/08 14:11	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:06	jws
Molybdenum, total (3050)	M6010B ICP	95			mg/Kg	1	5	08/15/08 2:23	aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/15/08 2:23	aeh
Selenium, total (3050)	M6020 ICP-MS	1.10		*	mg/Kg	0.05	0.3	08/13/08 20:35	rac
Thallium, total (3050)	M6020 ICP-MS	0.25	B	*	mg/Kg	0.05	0.3	08/13/08 20:35	rac
Uranium, total (3050)	M6020 ICP-MS	5.30		*	mg/Kg	0.05	0.3	08/13/08 20:35	rac
Zinc, total (3050)	M6010B ICP	99			mg/Kg	1	5	08/15/08 2:23	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	89.8		*	%	0.1	0.5	07/31/08 3:07	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:19	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 12:20	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:54	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-JS-01-1-3

ACZ Sample ID: ***L70819-06***
Date Sampled: *07/29/08 09:19*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/13/08 20:42	rac
Arsenic, total (3050)	M6020 ICP-MS	1.8			mg/Kg	0.3	0.5	08/13/08 20:42	rac
Barium, total (3050)	M6010B ICP	149		*	mg/Kg	0.3	2	08/15/08 2:26	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/15/08 14:15	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:26	aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 2:26	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/15/08 2:26	aeh
Copper, total (3050)	M6010B ICP	121		*	mg/Kg	1	5	08/15/08 2:26	aeh
Lead, total (3050)	M6020 ICP-MS	2.10			mg/Kg	0.05	0.3	08/13/08 20:42	rac
Manganese, total (3050)	M6010B ICP	328		*	mg/Kg	0.5	3	08/15/08 14:15	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:13	jws
Molybdenum, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/15/08 2:26	aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/15/08 2:26	aeh
Selenium, total (3050)	M6020 ICP-MS	0.11	B	*	mg/Kg	0.05	0.3	08/13/08 20:42	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/13/08 20:42	rac
Uranium, total (3050)	M6020 ICP-MS	2.54		*	mg/Kg	0.05	0.3	08/13/08 20:42	rac
Zinc, total (3050)	M6010B ICP	42			mg/Kg	1	5	08/15/08 2:26	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.9		*	%	0.1	0.5	07/31/08 3:48	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:23	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 12:38	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 12:58	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-JS-02-0-1

ACZ Sample ID: ***L70819-07***
Date Sampled: *07/29/08 09:57*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/13/08 20:48	rac
Arsenic, total (3050)	M6020 ICP-MS	3.4			mg/Kg	0.3	0.5	08/13/08 20:48	rac
Barium, total (3050)	M6010B ICP	96.8		*	mg/Kg	0.3	2	08/15/08 2:29	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/15/08 14:18	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:29	aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/15/08 2:29	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/15/08 2:29	aeh
Copper, total (3050)	M6010B ICP	1840		*	mg/Kg	1	5	08/15/08 2:29	aeh
Lead, total (3050)	M6020 ICP-MS	13.80			mg/Kg	0.05	0.3	08/13/08 20:48	rac
Manganese, total (3050)	M6010B ICP	250		*	mg/Kg	0.5	3	08/15/08 14:18	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:15	jws
Molybdenum, total (3050)	M6010B ICP	304			mg/Kg	1	5	08/15/08 2:29	aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/15/08 2:29	aeh
Selenium, total (3050)	M6020 ICP-MS	1.44		*	mg/Kg	0.05	0.3	08/13/08 20:48	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/13/08 20:48	rac
Uranium, total (3050)	M6020 ICP-MS	2.92		*	mg/Kg	0.05	0.3	08/13/08 20:48	rac
Zinc, total (3050)	M6010B ICP	83			mg/Kg	1	5	08/15/08 2:29	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.6		*	%	0.1	0.5	07/31/08 4:30	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:27	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 12:55	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:01	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-JS-02-1-3

ACZ Sample ID: ***L70819-08***
Date Sampled: *07/29/08 09:57*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/13/08 20:55	rac
Arsenic, total (3050)	M6020 ICP-MS	1.4			mg/Kg	0.3	0.5	08/13/08 20:55	rac
Barium, total (3050)	M6010B ICP	170		*	mg/Kg	0.3	2	08/15/08 2:33	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:21	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:33	aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 2:33	aeh
Cobalt, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 2:33	aeh
Copper, total (3050)	M6010B ICP	1310		*	mg/Kg	1	5	08/15/08 2:33	aeh
Lead, total (3050)	M6020 ICP-MS	4.43			mg/Kg	0.05	0.3	08/13/08 20:55	rac
Manganese, total (3050)	M6010B ICP	391		*	mg/Kg	0.5	3	08/15/08 14:21	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:17	jws
Molybdenum, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 2:33	aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 2:33	aeh
Selenium, total (3050)	M6020 ICP-MS	0.11	B	*	mg/Kg	0.05	0.3	08/13/08 20:55	rac
Thallium, total (3050)	M6020 ICP-MS	0.32		*	mg/Kg	0.05	0.3	08/13/08 20:55	rac
Uranium, total (3050)	M6020 ICP-MS	3.68		*	mg/Kg	0.05	0.3	08/13/08 20:55	rac
Zinc, total (3050)	M6010B ICP	89			mg/Kg	1	5	08/15/08 2:33	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.9		*	%	0.1	0.5	07/31/08 5:11	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:31	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 13:12	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:05	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: OD-JS-02-5-7

ACZ Sample ID: ***L70819-09***
Date Sampled: *07/29/08 10:08*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/13/08 21:01	rac
Arsenic, total (3050)	M6020 ICP-MS	0.8			mg/Kg	0.3	0.5	08/13/08 21:01	rac
Barium, total (3050)	M6010B ICP	139		*	mg/Kg	0.3	2	08/15/08 2:36	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:24	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:36	aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/15/08 2:36	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/15/08 2:36	aeh
Copper, total (3050)	M6010B ICP	110		*	mg/Kg	1	5	08/15/08 2:36	aeh
Lead, total (3050)	M6020 ICP-MS	2.12			mg/Kg	0.05	0.3	08/13/08 21:01	rac
Manganese, total (3050)	M6010B ICP	378		*	mg/Kg	0.5	3	08/15/08 14:24	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:19	jws
Molybdenum, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/15/08 2:36	aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 2:36	aeh
Selenium, total (3050)	M6020 ICP-MS	0.71		*	mg/Kg	0.05	0.3	08/13/08 21:01	rac
Thallium, total (3050)	M6020 ICP-MS	0.35		*	mg/Kg	0.05	0.3	08/13/08 21:01	rac
Uranium, total (3050)	M6020 ICP-MS	7.34		*	mg/Kg	0.05	0.3	08/13/08 21:01	rac
Zinc, total (3050)	M6010B ICP	45			mg/Kg	1	5	08/15/08 2:36	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.5		*	%	0.1	0.5	07/31/08 5:52	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:35	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 13:29	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:08	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-C22-0-1

ACZ Sample ID: ***L70819-10***
Date Sampled: *07/29/08 12:18*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	2.0		*	mg/Kg	0.2	1	08/13/08 21:08	rac
Arsenic, total (3050)	M6020 ICP-MS	13.9			mg/Kg	0.3	0.5	08/13/08 21:08	rac
Barium, total (3050)	M6010B ICP	82.7		*	mg/Kg	0.3	2	08/15/08 2:40	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:28	aeh
Cadmium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.5	2	08/15/08 2:40	aeh
Chromium, total (3050)	M6010B ICP	19			mg/Kg	1	5	08/15/08 2:40	aeh
Cobalt, total (3050)	M6010B ICP	16		*	mg/Kg	1	5	08/15/08 2:40	aeh
Copper, total (3050)	M6010B ICP	5480		*	mg/Kg	1	5	08/15/08 2:40	aeh
Lead, total (3050)	M6020 ICP-MS	85.20			mg/Kg	0.05	0.3	08/13/08 21:08	rac
Manganese, total (3050)	M6010B ICP	323		*	mg/Kg	0.5	3	08/15/08 14:28	aeh
Mercury, total	M7471A CVAA	0.20	B		mg/Kg	0.04	0.2	08/11/08 16:21	jws
Molybdenum, total (3050)	M6010B ICP	4800			mg/Kg	1	5	08/15/08 2:40	aeh
Nickel, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/15/08 2:40	aeh
Selenium, total (3050)	M6020 ICP-MS	7.25		*	mg/Kg	0.05	0.3	08/13/08 21:08	rac
Thallium, total (3050)	M6020 ICP-MS	0.21	B	*	mg/Kg	0.05	0.3	08/13/08 21:08	rac
Uranium, total (3050)	M6020 ICP-MS	4.74		*	mg/Kg	0.05	0.3	08/13/08 21:08	rac
Zinc, total (3050)	M6010B ICP	332			mg/Kg	1	5	08/15/08 2:40	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.0		*	%	0.1	0.5	07/31/08 6:33	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:39	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 13:47	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:12	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-C22-1-3

ACZ Sample ID: ***L70819-11***
Date Sampled: *07/29/08 12:18*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/13/08 21:14	rac
Arsenic, total (3050)	M6020 ICP-MS	5.1			mg/Kg	0.3	0.5	08/13/08 21:14	rac
Barium, total (3050)	M6010B ICP	161		*	mg/Kg	0.3	2	08/15/08 2:43	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:31	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:43	aeh
Chromium, total (3050)	M6010B ICP	13			mg/Kg	1	5	08/15/08 2:43	aeh
Cobalt, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/15/08 2:43	aeh
Copper, total (3050)	M6010B ICP	1120		*	mg/Kg	1	5	08/15/08 2:43	aeh
Lead, total (3050)	M6020 ICP-MS	12.10			mg/Kg	0.05	0.3	08/13/08 21:14	rac
Manganese, total (3050)	M6010B ICP	378		*	mg/Kg	0.5	3	08/15/08 14:31	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:24	jws
Molybdenum, total (3050)	M6010B ICP	270			mg/Kg	1	5	08/15/08 2:43	aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 2:43	aeh
Selenium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/13/08 21:14	rac
Thallium, total (3050)	M6020 ICP-MS	0.25	B	*	mg/Kg	0.05	0.3	08/13/08 21:14	rac
Uranium, total (3050)	M6020 ICP-MS	3.37		*	mg/Kg	0.05	0.3	08/13/08 21:14	rac
Zinc, total (3050)	M6010B ICP	122			mg/Kg	1	5	08/15/08 2:43	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.6		*	%	0.1	0.5	07/31/08 7:15	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:43	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 14:04	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:16	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-C22-5-7

ACZ Sample ID: ***L70819-12***
Date Sampled: *07/29/08 12:23*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/13/08 21:21	rac
Arsenic, total (3050)	M6020 ICP-MS	2.2			mg/Kg	0.3	0.5	08/13/08 21:21	rac
Barium, total (3050)	M6010B ICP	234		*	mg/Kg	0.3	2	08/15/08 2:47	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/15/08 14:41	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:47	aeh
Chromium, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/15/08 2:47	aeh
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/15/08 2:47	aeh
Copper, total (3050)	M6010B ICP	739		*	mg/Kg	1	5	08/15/08 2:47	aeh
Lead, total (3050)	M6020 ICP-MS	5.13			mg/Kg	0.05	0.3	08/13/08 21:21	rac
Manganese, total (3050)	M6010B ICP	370		*	mg/Kg	0.5	3	08/15/08 14:41	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:26	jws
Molybdenum, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/15/08 2:47	aeh
Nickel, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/15/08 2:47	aeh
Selenium, total (3050)	M6020 ICP-MS	0.15	B	*	mg/Kg	0.05	0.3	08/13/08 21:21	rac
Thallium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	08/13/08 21:21	rac
Uranium, total (3050)	M6020 ICP-MS	2.45		*	mg/Kg	0.05	0.3	08/13/08 21:21	rac
Zinc, total (3050)	M6010B ICP	85			mg/Kg	1	5	08/15/08 2:47	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.0		*	%	0.1	0.5	07/31/08 7:56	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:47	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 14:21	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:19	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-E24-0-1

ACZ Sample ID: ***L70819-13***
Date Sampled: *07/29/08 13:21*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.6	B	*	mg/Kg	0.2	1	08/13/08 21:27	rac
Arsenic, total (3050)	M6020 ICP-MS	5.0			mg/Kg	0.3	0.5	08/13/08 21:27	rac
Barium, total (3050)	M6010B ICP	149		*	mg/Kg	0.3	2	08/15/08 2:50	aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	08/15/08 14:44	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:50	aeh
Chromium, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/15/08 2:50	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/15/08 2:50	aeh
Copper, total (3050)	M6010B ICP	2270		*	mg/Kg	1	5	08/15/08 2:50	aeh
Lead, total (3050)	M6020 ICP-MS	26.50			mg/Kg	0.05	0.3	08/13/08 21:27	rac
Manganese, total (3050)	M6010B ICP	364		*	mg/Kg	0.5	3	08/15/08 14:44	aeh
Mercury, total	M7471A CVAA	0.04	B		mg/Kg	0.04	0.2	08/11/08 16:28	jws
Molybdenum, total (3050)	M6010B ICP	234			mg/Kg	1	5	08/15/08 2:50	aeh
Nickel, total (3050)	M6010B ICP	2	B	*	mg/Kg	1	5	08/15/08 2:50	aeh
Selenium, total (3050)	M6020 ICP-MS	1.65		*	mg/Kg	0.05	0.3	08/13/08 21:27	rac
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	08/13/08 21:27	rac
Uranium, total (3050)	M6020 ICP-MS	4.05		*	mg/Kg	0.05	0.3	08/13/08 21:27	rac
Zinc, total (3050)	M6010B ICP	132			mg/Kg	1	5	08/15/08 2:50	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.0		*	%	0.1	0.5	07/31/08 8:37	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:51	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 14:39	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:23	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-E24-1-3

ACZ Sample ID: ***L70819-14***
Date Sampled: *07/29/08 13:21*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	1.0		*	mg/Kg	0.2	1	08/13/08 21:47	rac
Arsenic, total (3050)	M6020 ICP-MS	7.6			mg/Kg	0.3	0.5	08/13/08 21:47	rac
Barium, total (3050)	M6010B ICP	116		*	mg/Kg	0.3	2	08/15/08 2:54	aeh
Beryllium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.2	1	08/15/08 14:48	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 2:54	aeh
Chromium, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/15/08 2:54	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/15/08 2:54	aeh
Copper, total (3050)	M6010B ICP	2470		*	mg/Kg	1	5	08/15/08 2:54	aeh
Lead, total (3050)	M6020 ICP-MS	47.90			mg/Kg	0.05	0.3	08/13/08 21:47	rac
Manganese, total (3050)	M6010B ICP	369		*	mg/Kg	0.5	3	08/15/08 14:48	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:30	jws
Molybdenum, total (3050)	M6010B ICP	362			mg/Kg	1	5	08/15/08 2:54	aeh
Nickel, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/15/08 2:54	aeh
Selenium, total (3050)	M6020 ICP-MS	2.42		*	mg/Kg	0.05	0.3	08/13/08 21:47	rac
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/13/08 21:47	rac
Uranium, total (3050)	M6020 ICP-MS	5.32		*	mg/Kg	0.05	0.3	08/13/08 21:47	rac
Zinc, total (3050)	M6010B ICP	159			mg/Kg	1	5	08/15/08 2:54	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.1		*	%	0.1	0.5	07/31/08 9:18	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:55	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 14:56	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:26	lwt/brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-E24-5-7

ACZ Sample ID: ***L70819-15***
Date Sampled: *07/29/08 13:27*
Date Received: *07/30/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/13/08 21:54	rac
Arsenic, total (3050)	M6020 ICP-MS	2.2			mg/Kg	0.3	0.5	08/13/08 21:54	rac
Barium, total (3050)	M6010B ICP	198		*	mg/Kg	0.3	2	08/15/08 3:04	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/15/08 14:51	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/15/08 3:04	aeh
Chromium, total (3050)	M6010B ICP	12			mg/Kg	1	5	08/15/08 3:04	aeh
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/15/08 3:04	aeh
Copper, total (3050)	M6010B ICP	364		*	mg/Kg	1	5	08/15/08 3:04	aeh
Lead, total (3050)	M6020 ICP-MS	13.10			mg/Kg	0.05	0.3	08/13/08 21:54	rac
Manganese, total (3050)	M6010B ICP	434		*	mg/Kg	0.5	3	08/15/08 14:51	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 16:32	jws
Molybdenum, total (3050)	M6010B ICP	57			mg/Kg	1	5	08/15/08 3:04	aeh
Nickel, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/15/08 3:04	aeh
Selenium, total (3050)	M6020 ICP-MS	0.32		*	mg/Kg	0.05	0.3	08/13/08 21:54	rac
Thallium, total (3050)	M6020 ICP-MS	0.38		*	mg/Kg	0.05	0.3	08/13/08 21:54	rac
Uranium, total (3050)	M6020 ICP-MS	4.07		*	mg/Kg	0.05	0.3	08/13/08 21:54	rac
Zinc, total (3050)	M6010B ICP	68			mg/Kg	1	5	08/15/08 3:04	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.4		*	%	0.1	0.5	07/31/08 10:00	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				07/30/08 23:59	brd
Digestion - Hot Plate	M3050B ICP-MS			*				08/11/08 15:13	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/05/08 13:30	lwt/brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70819***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249896													
WG249896ICV	ICV	08/13/08 18:57	MS080722-4	.02006		.02036	mg/L	101.5	90	110			
WG249896ICB	ICB	08/13/08 19:03				U	mg/L		-0.0012	0.0012			
WG249744PBS	PBS	08/13/08 19:30				U	mg/Kg		-0.6	0.6			
WG249744LCSS	LCSS	08/13/08 19:36	PCN30289	126		109.1	mg/Kg		63.3	189			
WG249744LCSSD	LCSSD	08/13/08 19:43	PCN30289	126		99.8	mg/Kg		63.3	189	8.9	20	
L70821-05MS	MS	08/13/08 22:33	MS080707-3	5	.3	2.27	mg/Kg	39.4	75	125			M2
L70821-05MSD	MSD	08/13/08 22:40	MS080707-3	5	.3	2.3	mg/Kg	40	75	125	1.31	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249896													
WG249896ICV	ICV	08/13/08 18:57	MS080722-4	.05		.05059	mg/L	101.2	90	110			
WG249896ICB	ICB	08/13/08 19:03				U	mg/L		-0.0015	0.0015			
WG249744PBS	PBS	08/13/08 19:30				U	mg/Kg		-0.9	0.9			
WG249744LCSS	LCSS	08/13/08 19:36	PCN30289	225		243.2	mg/Kg		181	270			
WG249744LCSSD	LCSSD	08/13/08 19:43	PCN30289	225		232	mg/Kg		181	270	4.7	20	
L70821-05MS	MS	08/13/08 22:33	MS080707-3	25	27	50	mg/Kg	92	75	125			
L70821-05MSD	MSD	08/13/08 22:40	MS080707-3	25	27	48.26	mg/Kg	85	75	125	3.54	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		2.0481	mg/L	102.4	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.009	0.009			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-0.9	0.9			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	565		602.09	mg/Kg		461	669			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	565		563.34	mg/Kg		461	669	6.6	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	141	221.4	mg/Kg	157.6	75	125			M1
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	141	206.97	mg/Kg	129.4	75	125	6.74	20	M1

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250053													
WG250053ICV1	ICV	08/15/08 13:15	II080717-1	2		1.8942	mg/L	94.7	90	110			
WG250053ICB	ICB	08/15/08 13:19				U	mg/L		-0.006	0.006			
WG249744PBS	PBS	08/15/08 13:32				U	mg/Kg		-0.6	0.6			
WG249744LCSS	LCSS	08/15/08 13:35	PCN30289	162		173.39	mg/Kg		134	190			
WG249744LCSSD	LCSSD	08/15/08 13:38	PCN30289	162		159.11	mg/Kg		134	190	8.6	20	
L70819-01MS	MS	08/15/08 13:48	II080730-2	51	.6	49.26	mg/Kg	95.4	75	125			
L70819-01MSD	MSD	08/15/08 13:52	II080730-2	51	.6	48.95	mg/Kg	94.8	75	125	0.63	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70819***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.9013	mg/L	95.1	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.015	0.015			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-1.5	1.5			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	69.1		72.53	mg/Kg		58.1	80.1			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	69.1		66.1	mg/Kg		58.1	80.1	9.3	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	1.1	48.71	mg/Kg	93.4	75	125			
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	1.1	49.79	mg/Kg	95.5	75	125	2.19	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.962	mg/L	98.1	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.03	0.03			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-3	3			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	124		141	mg/Kg		101	147			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	124		131.7	mg/Kg		101	147	6.8	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	22	73.7	mg/Kg	101.4	75	125			
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	22	75.2	mg/Kg	104.3	75	125	2.01	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.878	mg/L	93.9	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.03	0.03			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-3	3			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	115		125.2	mg/Kg		95.6	135			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	115		117.3	mg/Kg		95.6	135	6.5	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	13	61.8	mg/Kg	95.7	75	125			
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	13	63	mg/Kg	98	75	125	1.92	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.985	mg/L	99.3	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.03	0.03			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-3	3			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	66.7		70.4	mg/Kg		53.9	79.5			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	66.7		65.5	mg/Kg		53.9	79.5	7.2	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	3960	4059.4	mg/Kg	194.9	75	125			M3
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	3960	3985.2	mg/Kg	49.4	75	125	1.84	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70819***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249896													
WG249896ICV	ICV	08/13/08 18:57	MS080722-4	.05		.04865	mg/L	97.3	90	110			
WG249896ICB	ICB	08/13/08 19:03				U	mg/L		-0.0003	0.0003			
WG249744PBS	PBS	08/13/08 19:30				U	mg/Kg		-0.15	0.15			
WG249744LCSS	LCSS	08/13/08 19:36	PCN30289	223		228.1	mg/Kg		183	264			
WG249744LCSSD	LCSSD	08/13/08 19:43	PCN30289	223		212.25	mg/Kg		183	264	7.2	20	
L70821-05MS	MS	08/13/08 22:33	MS080707-3	25	8.68	32.17	mg/Kg	94	75	125			
L70821-05MSD	MSD	08/13/08 22:40	MS080707-3	25	8.68	33.03	mg/Kg	97.4	75	125	2.64	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250053													
WG250053ICV1	ICV	08/15/08 13:15	II080717-1	2		1.9974	mg/L	99.9	90	110			
WG250053ICB	ICB	08/15/08 13:19				U	mg/L		-0.015	0.015			
WG249744PBS	PBS	08/15/08 13:32				U	mg/Kg		-1.5	1.5			
WG249744LCSS	LCSS	08/15/08 13:35	PCN30289	368		385.06	mg/Kg		304	433			
WG249744LCSSD	LCSSD	08/15/08 13:38	PCN30289	368		392.01	mg/Kg		304	433	1.8	20	
L70819-01MS	MS	08/15/08 13:48	II080730-2	51	365	447.63	mg/Kg	162	75	125			M3
L70819-01MSD	MSD	08/15/08 13:52	II080730-2	51	365	427.01	mg/Kg	121.6	75	125	4.72	20	

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249682													
WG249682ICV	ICV	08/11/08 14:16	II080721-4	.01002		.00965	mg/L	96.3	90	110			
WG249682ICB	ICB	08/11/08 14:18				U	mg/L		-0.0006	0.0006			
WG249683													
WG249683PBS	PBS	08/11/08 15:43				U	mg/Kg		-0.12	0.12			
WG249683LCSS	LCSS	08/11/08 15:47	PCN28813	5.8		4.29	mg/Kg		3.83	7.69			
WG249683LCSSD	LCSSD	08/11/08 15:49	PCN28813	5.8		4.95	mg/Kg		3.83	7.69	14.3	20	
L70819-01MS	MS	08/11/08 15:54	II080807-2	.915	.05	.894	mg/Kg	92.2	85	115			
L70819-01MSD	MSD	08/11/08 15:57	II080807-2	.92	.05	.914	mg/Kg	93.9	85	115	2.21	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.93	mg/L	96.5	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.03	0.03			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-3	3			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	107		118.9	mg/Kg		83.8	130			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	107		110.7	mg/Kg		83.8	130	7.1	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	230	283.9	mg/Kg	105.7	75	125			
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	230	273.2	mg/Kg	84.7	75	125	3.84	20	

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Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.888	mg/L	94.4	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.03	0.03			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-3	3			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	172		186.6	mg/Kg		140	204			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	172		173.4	mg/Kg		140	204	7.3	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	50.847	8	57.8	mg/Kg	97.9	75	125			
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	50.847	8	59.4	mg/Kg	101.1	75	125	2.73	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249896													
WG249896ICV	ICV	08/13/08 18:57	MS080722-4	.05		.04874	mg/L	97.5	90	110			
WG249896ICB	ICB	08/13/08 19:03				U	mg/L		-0.0003	0.0003			
WG249744PBS	PBS	08/13/08 19:30				U	mg/Kg		-0.15	0.15			
WG249744LCSS	LCSS	08/13/08 19:36	PCN30289	147		159.5	mg/Kg		114	180			
WG249744LCSSD	LCSSD	08/13/08 19:43	PCN30289	147		148.35	mg/Kg		114	180	7.2	20	
L70821-05MS	MS	08/13/08 22:33	MS080707-3	12.5	.37	11.65	mg/Kg	90.2	75	125			
L70821-05MSD	MSD	08/13/08 22:40	MS080707-3	12.5	.37	11.995	mg/Kg	93	75	125	2.92	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249139													
WG249139PBS	PBS	07/30/08 23:00				U	%		99.9	100.1			
L70819-01DUP	DUP	07/31/08 0:22			93.5	94.19	%				0.7	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249896													
WG249896ICV	ICV	08/13/08 18:57	MS080722-4	.05		.0495	mg/L	99	90	110			
WG249896ICB	ICB	08/13/08 19:03				U	mg/L		-0.0003	0.0003			
WG249744PBS	PBS	08/13/08 19:30				U	mg/Kg		-0.15	0.15			
WG249744LCSS	LCSS	08/13/08 19:36	PCN30289	173		177	mg/Kg		140	205			
WG249744LCSSD	LCSSD	08/13/08 19:43	PCN30289	173		167.1	mg/Kg		140	205	5.8	20	
L70821-05MS	MS	08/13/08 22:33	MS080707-3	25.05	.13	23.525	mg/Kg	93.4	75	125			
L70821-05MSD	MSD	08/13/08 22:40	MS080707-3	25.05	.13	24.585	mg/Kg	97.6	75	125	4.41	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249896													
WG249896ICV	ICV	08/13/08 18:57	MS080722-4	.05		.04707	mg/L	94.1	90	110			
WG249896ICB	ICB	08/13/08 19:03				U	mg/L		-0.0003	0.0003			
WG249744PBS	PBS	08/13/08 19:30				U	mg/Kg		-0.15	0.15			
L70821-05MS	MS	08/13/08 22:33	MS080707-3	12.5	1.16	13.49	mg/Kg	98.6	75	125			
L70821-05MSD	MSD	08/13/08 22:40	MS080707-3	12.5	1.16	13.97	mg/Kg	102.5	75	125	3.5	20	

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Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250007													
WG250007ICV	ICV	08/15/08 1:24	II080717-1	2		1.921	mg/L	96.1	90	110			
WG250007ICB	ICB	08/15/08 1:27				U	mg/L		-0.03	0.03			
WG249744PBS	PBS	08/15/08 1:41				U	mg/Kg		-3	3			
WG249744LCSS	LCSS	08/15/08 1:45	PCN30289	349		375.4	mg/Kg		280	418			
WG249744LCSSD	LCSSD	08/15/08 1:48	PCN30289	349		347.9	mg/Kg		280	418	7.6	20	
L70819-01MS	MS	08/15/08 1:58	II080730-2	51	179	240	mg/Kg	119.6	75	125			
L70819-01MSD	MSD	08/15/08 2:02	II080730-2	51	179	236	mg/Kg	111.8	75	125	1.68	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70819***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-01	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-02	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-03	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-04	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-05	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-06	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-07	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-08	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-09	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-10	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-11	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-12	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70819***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-13	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
L70819-14	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70819***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70819-15	WG249896	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250007	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250053	Manganese, total (3050)	M6010B ICP	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.
	WG250007	Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG249896	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70819
Date Received: 7/30/2008
Received By:
Date Printed: 7/30/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1887	5.6	14

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70819
Date Received: 7/30/2008
Received By:

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
L70819-01	OD-SD-05-0-1.5									X		
L70819-02	OD-SD-05-1.5-3.0									X		
L70819-03	OD-SD-06-0-1.5									X		
L70819-04	OD-SD-05-1.5-3.0									X		
L70819-05	OD-JS-01-0-1									X		
L70819-06	OD-JS-01-1-3									X		
L70819-07	OD-JS-02-0-1									X		
L70819-08	OD-JS-02-1-3									X		
L70819-09	OD-JS-02-5-7									X		
L70819-10	EM-C22-0-1									X		
L70819-11	EM-C22-1-3									X		
L70819-12	EM-C22-5-7									X		
L70819-13	EM-E24-0-1									X		
L70819-14	EM-E24-1-3									X		
L70819-15	EM-E24-5-7									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: _____

ACZ Laboratories, Inc.

L-70819

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: EMI-Sierra
E-mail: Ned_Hall@EMI.com

Address: 6200 W. Duval Mine Rd. Green Valley, AZ P.O.B
Telephone: (520) 648-8857

Copy of Report to:

Name: Rick Smith, Steve Vaughn
Company: URS

E-mail: Steven.Vaughn@urscorp.com
Telephone: Rick_Smith@urscorp.com

Invoice to:

Name: Ned Hall
Company: EMI-Sierra
E-mail: Ned_Hall@

Address: 6200 W. Duval Mine Rd Green Valley, AZ P.O. Box 527
Telephone: (520) 648-8857

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? 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.

YES ☐ NO ☐

PROJECT INFORMATION

Quote #:
Project/PO #: 0J07R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

	SAMPLE IDENTIFICATION	DATE:TIME		Matrix	# of Containers	See attached Quote 7/3/2008								
1	OD-SD-05-0-1.5	7-25-08	816	SO	1									
2	OD-SD-05-1.5-3.0	7-25-08	816		1									
3	OD-SD-06-0-1.5	7-25-08	830		1									
4	OD-SD-06-1.5-3.0	7-25-08	830		1									
5	OD-SS-01-0-1	7-25-08	0919		1									
6	OD-SS-01-1-3	7-25-08	0919		1									
7	OD-SS-02-0-1	7-25-08	0957		1									
8	OD-SS-02-1-3	7-25-08	0957		1									
9	OD-SS-02-5-7	7-25-08	1008		1									
10	EM-C20-0-1	7-25-08	1218		1	1								

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 818130 84 6008 7144

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. J	7/29/08 14:15	UPS	
			7-30-08 9:55

ACZ Laboratories, Inc.

L70819

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd.
Company: FMI-Sierrita	Green Valley, AZ P.O. Box 527
E-mail: Ned-Hall@FMI.com	Telephone: (520) 648-8857

Copy of Report to:

Name: Rick Smith & Steve Vaughn	E-mail: Steven_Vaughn@URSCorp.com
Company: URS	Telephone: Rick_Smith@URSCorp.com

Invoice to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd.
Company: FMI-Sierrita	Green Valley, AZ P.O. Box 527
E-mail: Ned-Hall@FMI.com	Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:

Project/PO #: OJ07R9

Reporting state for compliance testing:

Sampler's Name: Armando Jimenez

Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/08
EM-C22-1-3	7-29-08 1218	SO	1	1
EM-C22-5-7	7-29-08 1223		1	1
EM-E24-0-1	7-29-08 1324		1	1
EM-E24-1-3	7-29-08 1321		1	1
EM-E24-5-7	7-29-08 1327		1	1

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z8101308460087144

PAGE 2 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. [illegible]	7/29/08 1415	UPS	
		[illegible]	7/30 08 755

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01

D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 29, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70909

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 01, 2008. This project has been assigned to ACZ's project number, L70909. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70909. 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 September 29, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

August 29, 2008

Project ID: OJ07R9
ACZ Project ID: L70909

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 6 soil samples from FMI Gold & Copper - Sierrita on August 1, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70909. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Lead data has been qualified with the N1 flag. The chemist noted that Lead failed control criteria in the ICSA sample. The level in the samples is greater than 10 times that in the ICSA. No significant impact would be expected.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-H22-0-1

ACZ Sample ID: ***L70909-01***
Date Sampled: *07/30/08 09:37*
Date Received: *08/01/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	3.7		*	mg/Kg	0.2	1	08/22/08 11:26	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	11.7			mg/Kg	0.3	0.5	08/28/08 0:53	rac
Barium, total (3050)	M6010B ICP	115		*	mg/Kg	0.3	2	08/21/08 2:52	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/21/08 2:52	ear/aeh
Cadmium, total (3050)	M6010B ICP	1.6	B		mg/Kg	0.5	2	08/21/08 2:52	ear/aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/21/08 2:52	ear/aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/21/08 2:52	ear/aeh
Copper, total (3050)	M6010B ICP	10000		*	mg/Kg	1	5	08/21/08 2:52	ear/aeh
Lead, total (3050)	M6020 ICP-MS	91.30		*	mg/Kg	0.05	0.3	08/22/08 11:26	erf/rac
Manganese, total (3050)	M6010B ICP	294		*	mg/Kg	0.5	3	08/21/08 2:52	ear/aeh
Mercury, total	M7471A CVAA	0.05	B		mg/Kg	0.04	0.2	08/11/08 17:34	jws
Molybdenum, total (3050)	M6010B ICP	821		*	mg/Kg	1	5	08/21/08 2:52	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 2:52	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	4.53			mg/Kg	0.05	0.3	08/28/08 0:53	rac
Thallium, total (3050)	M6020 ICP-MS	0.42		*	mg/Kg	0.05	0.3	08/22/08 11:26	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.34		*	mg/Kg	0.05	0.3	08/22/08 11:26	erf/rac
Zinc, total (3050)	M6010B ICP	293		*	mg/Kg	1	5	08/21/08 2:52	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.7		*	%	0.1	0.5	08/06/08 22:03	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:20	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 14:11	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 3:00	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-H22-1-3

ACZ Sample ID: ***L70909-02***
Date Sampled: *07/30/08 09:37*
Date Received: *08/01/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/22/08 11:32	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	3.7			mg/Kg	0.3	0.5	08/28/08 1:07	rac
Barium, total (3050)	M6010B ICP	70.4		*	mg/Kg	0.3	2	08/21/08 3:14	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	08/21/08 3:14	ear/aeh
Cadmium, total (3050)	M6010B ICP	1.0	B		mg/Kg	0.5	2	08/21/08 3:14	ear/aeh
Chromium, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/21/08 3:14	ear/aeh
Cobalt, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/21/08 3:14	ear/aeh
Copper, total (3050)	M6010B ICP	2330		*	mg/Kg	1	5	08/21/08 3:14	ear/aeh
Lead, total (3050)	M6020 ICP-MS	15.00		*	mg/Kg	0.05	0.3	08/22/08 11:32	erf/rac
Manganese, total (3050)	M6010B ICP	188		*	mg/Kg	0.5	3	08/21/08 3:14	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:36	jws
Molybdenum, total (3050)	M6010B ICP	118		*	mg/Kg	1	5	08/21/08 3:14	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 3:14	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	1.07			mg/Kg	0.05	0.3	08/28/08 1:07	rac
Thallium, total (3050)	M6020 ICP-MS	0.24	B	*	mg/Kg	0.05	0.3	08/22/08 11:32	erf/rac
Uranium, total (3050)	M6020 ICP-MS	2.30		*	mg/Kg	0.05	0.3	08/22/08 11:32	erf/rac
Zinc, total (3050)	M6010B ICP	181		*	mg/Kg	1	5	08/21/08 3:14	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.2		*	%	0.1	0.5	08/07/08 0:09	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:26	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 15:22	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 4:50	lwt/mjc

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-H22-5-7

ACZ Sample ID: ***L70909-03***
Date Sampled: *07/31/08 11:55*
Date Received: *08/01/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 11:39	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	1.1			mg/Kg	0.3	0.5	08/28/08 1:13	rac
Barium, total (3050)	M6010B ICP	199		*	mg/Kg	0.3	2	08/21/08 3:18	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/21/08 3:18	ear/aeh
Cadmium, total (3050)	M6010B ICP	1.7	B		mg/Kg	0.5	2	08/21/08 3:18	ear/aeh
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/21/08 3:18	ear/aeh
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/21/08 3:18	ear/aeh
Copper, total (3050)	M6010B ICP	1740		*	mg/Kg	1	5	08/21/08 3:18	ear/aeh
Lead, total (3050)	M6020 ICP-MS	3.75		*	mg/Kg	0.05	0.3	08/22/08 11:39	erf/rac
Manganese, total (3050)	M6010B ICP	594		*	mg/Kg	0.5	3	08/21/08 3:18	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:38	jws
Molybdenum, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/21/08 3:18	ear/aeh
Nickel, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/21/08 3:18	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.06	B		mg/Kg	0.05	0.3	08/28/08 1:13	rac
Thallium, total (3050)	M6020 ICP-MS	0.51		*	mg/Kg	0.05	0.3	08/22/08 11:39	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.75		*	mg/Kg	0.05	0.3	08/22/08 11:39	erf/rac
Zinc, total (3050)	M6010B ICP	464		*	mg/Kg	1	5	08/21/08 3:18	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.8		*	%	0.1	0.5	08/07/08 1:12	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:32	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 15:46	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 6:40	lwt/mjc

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-K24-0-1

ACZ Sample ID: ***L70909-04***
Date Sampled: *07/31/08 13:40*
Date Received: *08/01/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 11:45	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	3.0			mg/Kg	0.3	0.5	08/28/08 1:33	rac
Barium, total (3050)	M6010B ICP	78.7		*	mg/Kg	0.3	2	08/21/08 3:21	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	08/21/08 3:21	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 3:21	ear/aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/21/08 3:21	ear/aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/21/08 3:21	ear/aeh
Copper, total (3050)	M6010B ICP	629		*	mg/Kg	1	5	08/21/08 3:21	ear/aeh
Lead, total (3050)	M6020 ICP-MS	15.90		*	mg/Kg	0.05	0.3	08/22/08 11:45	erf/rac
Manganese, total (3050)	M6010B ICP	175		*	mg/Kg	0.5	3	08/21/08 3:21	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:41	jws
Molybdenum, total (3050)	M6010B ICP	66		*	mg/Kg	1	5	08/21/08 3:21	ear/aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/21/08 3:21	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.52			mg/Kg	0.05	0.3	08/28/08 1:33	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/22/08 11:45	erf/rac
Uranium, total (3050)	M6020 ICP-MS	2.50		*	mg/Kg	0.05	0.3	08/22/08 11:45	erf/rac
Zinc, total (3050)	M6010B ICP	46		*	mg/Kg	1	5	08/21/08 3:21	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.7		*	%	0.1	0.5	08/07/08 2:15	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:38	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 16:10	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 8:30	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-K24-1-3

ACZ Sample ID: ***L70909-05***
Date Sampled: *07/31/08 13:40*
Date Received: *08/01/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/22/08 12:04	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	2.5			mg/Kg	0.3	0.5	08/28/08 1:40	rac
Barium, total (3050)	M6010B ICP	79.4		*	mg/Kg	0.3	2	08/21/08 3:25	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 3:25	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 3:25	ear/aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/21/08 3:25	ear/aeh
Cobalt, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/21/08 3:25	ear/aeh
Copper, total (3050)	M6010B ICP	530		*	mg/Kg	1	5	08/21/08 3:25	ear/aeh
Lead, total (3050)	M6020 ICP-MS	13.10		*	mg/Kg	0.05	0.3	08/22/08 12:04	erf/rac
Manganese, total (3050)	M6010B ICP	124		*	mg/Kg	0.5	3	08/21/08 3:25	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:43	jws
Molybdenum, total (3050)	M6010B ICP	19		*	mg/Kg	1	5	08/21/08 3:25	ear/aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/21/08 3:25	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.21	B		mg/Kg	0.05	0.3	08/28/08 1:40	rac
Thallium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	08/22/08 12:04	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.16		*	mg/Kg	0.05	0.3	08/22/08 12:04	erf/rac
Zinc, total (3050)	M6010B ICP	47		*	mg/Kg	1	5	08/21/08 3:25	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.4		*	%	0.1	0.5	08/07/08 3:18	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:44	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 16:33	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 10:20	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-K24-5-7

ACZ Sample ID: ***L70909-06***
Date Sampled: *07/31/08 13:58*
Date Received: *08/01/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 12:11	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	2.4			mg/Kg	0.3	0.5	08/28/08 1:46	rac
Barium, total (3050)	M6010B ICP	152		*	mg/Kg	0.3	2	08/21/08 3:28	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 3:28	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 3:28	ear/aeh
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/21/08 3:28	ear/aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/21/08 3:28	ear/aeh
Copper, total (3050)	M6010B ICP	486		*	mg/Kg	1	5	08/21/08 3:28	ear/aeh
Lead, total (3050)	M6020 ICP-MS	12.30		*	mg/Kg	0.05	0.3	08/22/08 12:11	erf/rac
Manganese, total (3050)	M6010B ICP	241		*	mg/Kg	0.5	3	08/21/08 3:28	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:45	jws
Molybdenum, total (3050)	M6010B ICP	24		*	mg/Kg	1	5	08/21/08 3:28	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 3:28	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.27	B		mg/Kg	0.05	0.3	08/28/08 1:46	rac
Thallium, total (3050)	M6020 ICP-MS	0.25	B	*	mg/Kg	0.05	0.3	08/22/08 12:11	erf/rac
Uranium, total (3050)	M6020 ICP-MS	2.89		*	mg/Kg	0.05	0.3	08/22/08 12:11	erf/rac
Zinc, total (3050)	M6010B ICP	45		*	mg/Kg	1	5	08/21/08 3:28	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.8		*	%	0.1	0.5	08/07/08 4:22	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:50	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 16:57	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 12:10	lwt/mjc

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70909***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.02006		.02087	mg/L	104	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0012	0.0012			
WG249875PBS	PBS	08/22/08 11:07				U	mg/Kg		-0.6	0.6			
WG249875LCSS	LCSS	08/22/08 11:13	PCN30289	126		111.9	mg/Kg		63.3	189			
WG249875LCSSD	LCSSD	08/22/08 11:20	PCN30289	126		126.4	mg/Kg		63.3	189	12.2	20	
L70948-12MS	MS	08/22/08 13:52	MS080707-3	5.2	U	2.05	mg/Kg	39.4	75	125			M2
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	5.2	U	1.64	mg/Kg	31.5	75	125	22.22	20	M2 RD

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250714													
WG250714ICV	ICV	08/28/08 0:00	MS080813-2	.05		.05006	mg/L	100.1	90	110			
WG250714ICB	ICB	08/28/08 0:07				U	mg/L		-0.0015	0.0015			
WG249875PBS	PBS	08/28/08 0:33				U	mg/Kg		-0.9	0.9			
WG249875LCSS	LCSS	08/28/08 0:40	PCN30289	225		241.9	mg/Kg		181	270			
WG249875LCSSD	LCSSD	08/28/08 0:47	PCN30289	225		247.2	mg/Kg		181	270	2.2	20	
L70948-12MS	MS	08/28/08 3:25	MS080707-3	26	1.6	28.5	mg/Kg	103.5	75	125			
L70948-12MSD	MSD	08/28/08 3:31	MS080707-3	26	1.6	27.29	mg/Kg	98.8	75	125	4.34	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.0038	mg/L	100.2	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.009	0.009			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-0.9	0.9			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	565		605.22	mg/Kg		461	669			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	565		583	mg/Kg		461	669	3.7	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	115	136.36	mg/Kg	41.9	75	125			M2
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	115	139.32	mg/Kg	47.7	75	125	2.15	20	M2

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.9896	mg/L	99.5	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.006	0.006			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-0.6	0.6			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	162		178.76	mg/Kg		134	190			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	162		170.93	mg/Kg		134	190	4.5	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	.5	50.55	mg/Kg	98.1	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	.5	50.16	mg/Kg	97.4	75	125	0.77	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70909***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.0013	mg/L	100.1	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.015	0.015			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-1.5	1.5			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	69.1		73.58	mg/Kg		58.1	80.1			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	69.1		69.32	mg/Kg		58.1	80.1	6	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	1.6	48.52	mg/Kg	92	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	1.6	48.14	mg/Kg	91.3	75	125	0.79	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.983	mg/L	99.2	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	124		132.3	mg/Kg		101	147			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	124		125.1	mg/Kg		101	147	5.6	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	8	60.3	mg/Kg	102.5	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	8	55.9	mg/Kg	93.9	75	125	7.57	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2.002		2.02	mg/L	100.9	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				1	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	115		123.9	mg/Kg		95.6	135			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	115		118.5	mg/Kg		95.6	135	4.5	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	10	57	mg/Kg	92.2	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	10	56.1	mg/Kg	90.4	75	125	1.59	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.974	mg/L	98.7	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	66.7		71	mg/Kg		53.9	79.5			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	66.7		69.9	mg/Kg		53.9	79.5	1.6	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	10000	10818.1	mg/Kg	1604.1	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	10000	10840.9	mg/Kg	1648.8	75	125	0.21	20	M3

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Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05133	mg/L	102.7	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/22/08 11:07				.064	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/22/08 11:13	PCN30289	223		239.65	mg/Kg		183	264			
WG249875LCSSD	LCSSD	08/22/08 11:20	PCN30289	223		233.9	mg/Kg		183	264	2.4	20	
L70948-12MS	MS	08/22/08 13:52	MS080707-3	26	37.3	68.744	mg/Kg	120.9	75	125			
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	26	37.3	55.172	mg/Kg	68.7	75	125	21.91	20	M2 RD

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.9979	mg/L	99.9	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.015	0.015			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-1.5	1.5			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	368		393.41	mg/Kg		304	433			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	368		390.4	mg/Kg		304	433	0.8	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	294	292.99	mg/Kg	-2	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	294	360.33	mg/Kg	130.1	75	125	20.61	20	M3 RD

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249682													
WG249682ICV	ICV	08/11/08 14:16	II080721-4	.01002		.00965	mg/L	96.3	90	110			
WG249682ICB	ICB	08/11/08 14:18				U	mg/L		-0.0006	0.0006			
WG249685													
WG249685PBS	PBS	08/11/08 17:04				U	mg/Kg		-0.12	0.12			
WG249685LCSS	LCSS	08/11/08 17:07	PCN28813	5.8		5.57	mg/Kg		3.83	7.69			
WG249685LCSSD	LCSSD	08/11/08 17:09	PCN28813	5.8		6.02	mg/Kg		3.83	7.69	7.8	20	
L70874-01MS	MS	08/11/08 17:14	II080807-2	.96	.15	1.067	mg/Kg	95.5	85	115			
L70874-01MSD	MSD	08/11/08 17:16	II080807-2	.975	.15	1.101	mg/Kg	97.5	85	115	3.14	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.01	mg/L	100.5	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	107		119.4	mg/Kg		83.8	130			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	107		116.5	mg/Kg		83.8	130	2.5	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	821	773.4	mg/Kg	-93.3	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	821	886.1	mg/Kg	127.6	75	125	13.58	20	M3

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Project ID: OJ07R9

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2.004		1.967	mg/L	98.2	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	172		186.3	mg/Kg		140	204			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	172		175.2	mg/Kg		140	204	6.1	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	50.847	7	53.6	mg/Kg	91.6	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	50.847	7	52.9	mg/Kg	90.3	75	125	1.31	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250714													
WG250714ICV	ICV	08/28/08 0:00	MS080813-2	.05		.04957	mg/L	99.1	90	110			
WG250714ICB	ICB	08/28/08 0:07				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/28/08 0:33				U	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/28/08 0:40	PCN30289	147		161.75	mg/Kg		114	180			
WG249875LCSSD	LCSSD	08/28/08 0:47	PCN30289	147		162.35	mg/Kg		114	180	0.4	20	
L70948-12MS	MS	08/28/08 3:25	MS080707-3	13	.07	12.615	mg/Kg	96.5	75	125			
L70948-12MSD	MSD	08/28/08 3:31	MS080707-3	13	.07	12.236	mg/Kg	93.6	75	125	3.05	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249559													
WG249559PBS	PBS	08/06/08 21:00				U	%		99.9	100.1			
L70909-01DUP	DUP	08/06/08 23:06			92.7	92.9	%				0.2	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05407	mg/L	108.1	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
L70949-13MS	MS	08/22/08 10:54	MS10XSOIL	25.5	.4	26.47	mg/Kg	102.2	75	125			
L70949-13MSD	MSD	08/22/08 11:01	MS10XSOIL	25.5	.4	27.24	mg/Kg	105.3	75	125	2.87	20	
WG249875PBS	PBS	08/22/08 11:07				.133	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/22/08 11:13	PCN30289	173		185.6	mg/Kg		140	205			
WG249875LCSSD	LCSSD	08/22/08 11:20	PCN30289	173		175.9	mg/Kg		140	205	5.4	20	
L70948-12MS	MS	08/22/08 13:52	MS080707-3	26.052	.22	27.019	mg/Kg	102.9	75	125			
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	26.052	.22	26.109	mg/Kg	99.4	75	125	3.43	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05198	mg/L	104	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/22/08 11:07				U	mg/Kg		-0.15	0.15			
L70948-12MS	MS	08/22/08 13:52	MS080707-3	13	9.38	24.58	mg/Kg	116.9	75	125			
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	13	9.38	24.289	mg/Kg	114.7	75	125	1.19	20	

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ACZ Project ID: ***L70909***

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.015	mg/L	100.8	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	349		370	mg/Kg		280	418			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	349		355.8	mg/Kg		280	418	3.9	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	293	327.6	mg/Kg	67.8	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	293	347.7	mg/Kg	107.3	75	125	5.95	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70909***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70909-01	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70909-02	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70909-03	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70909-04	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70909-05	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70909***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70909-06	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70909
Date Received: 8/1/2008
Received By:
Date Printed: 8/1/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2971	4.1	14

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70909
Date Received: 8/1/2008
Received By:

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
L70909-01	EM-H22-0-1									X		
L70909-02	EM-H22-1-3									X		
L70909-03	EM-H22-5-7									X		
L70909-04	EM-K24-0-1									X		
L70909-05	EM-K24-1-3									X		
L70909-06	EM-K24-5-7									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: _____

ACZ Laboratories, Inc.

L70909

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall	Address: 6200 W. Duvall Rd, Mine
Company: FMI - Sierrita	P.O. Box 527 Green Valley, AZ
E-mail: Ned_Hall@FMI.com	Telephone: (520) 648-8857

Copy of Report to:

Name:	E-mail: Steven-Vaughn@ursCorp.com
Company:	Telephone: Rick-Smith@ursCorp.com

Invoice to:

Name: Ned Hall	Address: 6200 W. Duvall Mine Rd.
Company: FMI - Sierrita	P.O. Box 527 Green Valley, AZ
E-mail: Ned_Hall@FMI.com	Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:

Project/PO #: OJ07R9

Reporting state for compliance testing:

Sampler's Name: Armando Jimenez

Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/2/2008							
EM-H22-0-1	7-30-08 937	SO	1	1							
EM-H22-1-3	7-30-08 937	"	1	1							
EM-H22-5-7	7-31-08 1155	"	1	1							
~~EM-H24-0-1~~	~~7-31-08 1340~~										
~~EM-H24-1-3~~	~~7-31-08 1340~~										
EM-K24-0-1	7-31-08 1340	"	1	1							
EM-K24-1-3	7-31-08 1340	"	1	1							
EM-K24-5-7	7-31-08 1358	"	1	1							

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 810 130 84 6008 7117

PAGE 1 of 1

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Armando Jimenez	7-31-08 1425	UPS	
		MSS	8-1-08 10:05

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

September 11, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Rick Smith, Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70948

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 05, 2008. This project has been assigned to ACZ's project number, L70948. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70948. 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 October 11, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

September 11, 2008

Project ID: OJ07R9
ACZ Project ID: L70948

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 12 soil samples from FMI Gold & Copper - Sierrita on August 5, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70948. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Lead data has been qualified with the N1 flag on the extended qualifier report. The chemist noted that the associated interferent check sample (ICSA) failed control criteria. However, its level was less than 10 times that found in the samples.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-JS-01-0-1

ACZ Sample ID: ***L70948-01***
Date Sampled: *08/01/08 09:43*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/22/08 12:17	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	4.3			mg/Kg	0.3	0.5	08/28/08 1:53	rac
Barium, total (3050)	M6010B ICP	103		*	mg/Kg	0.3	2	08/21/08 3:32	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 3:32	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 3:32	ear/aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/21/08 3:32	ear/aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/21/08 3:32	ear/aeh
Copper, total (3050)	M6010B ICP	840		*	mg/Kg	1	5	08/21/08 3:32	ear/aeh
Lead, total (3050)	M6020 ICP-MS	24.00		*	mg/Kg	0.05	0.3	08/22/08 12:17	erf/rac
Manganese, total (3050)	M6010B ICP	238		*	mg/Kg	0.5	3	08/21/08 3:32	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:47	jws
Molybdenum, total (3050)	M6010B ICP	143		*	mg/Kg	1	5	08/21/08 3:32	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 3:32	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.46			mg/Kg	0.05	0.3	08/28/08 1:53	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/22/08 12:17	erf/rac
Uranium, total (3050)	M6020 ICP-MS	2.90		*	mg/Kg	0.05	0.3	08/22/08 12:17	erf/rac
Zinc, total (3050)	M6010B ICP	88		*	mg/Kg	1	5	08/21/08 3:32	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.5		*	%	0.1	0.5	08/07/08 5:25	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 20:55	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 17:21	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 14:00	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-JS-01-1-3

ACZ Sample ID: ***L70948-02***
Date Sampled: *08/01/08 09:43*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 12:30	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	3.1			mg/Kg	0.3	0.5	08/29/08 1:47	rac
Barium, total (3050)	M6010B ICP	228		*	mg/Kg	0.3	2	08/21/08 3:36	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	08/21/08 3:36	ear/aeh
Cadmium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.5	2	08/21/08 3:36	ear/aeh
Chromium, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/21/08 3:36	ear/aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/21/08 3:36	ear/aeh
Copper, total (3050)	M6010B ICP	543		*	mg/Kg	1	5	08/21/08 3:36	ear/aeh
Lead, total (3050)	M6020 ICP-MS	9.80		*	mg/Kg	0.05	0.3	08/22/08 12:30	erf/rac
Manganese, total (3050)	M6010B ICP	388		*	mg/Kg	0.5	3	08/21/08 3:36	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 17:49	jws
Molybdenum, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/21/08 3:36	ear/aeh
Nickel, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/21/08 3:36	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.12	B		mg/Kg	0.05	0.3	08/29/08 1:47	rac
Thallium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	08/22/08 12:30	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.64		*	mg/Kg	0.05	0.3	08/22/08 12:30	erf/rac
Zinc, total (3050)	M6010B ICP	187		*	mg/Kg	1	5	08/21/08 3:36	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	91.2		*	%	0.1	0.5	08/07/08 6:28	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:01	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 17:45	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 15:50	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-JS-02-0-1

ACZ Sample ID: ***L70948-03***
Date Sampled: *08/01/08 09:17*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/22/08 12:36	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	5.1			mg/Kg	0.3	0.5	08/28/08 2:06	rac
Barium, total (3050)	M6010B ICP	115		*	mg/Kg	0.3	2	08/21/08 3:39	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 3:39	ear/aeh
Cadmium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.5	2	08/21/08 3:39	ear/aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/21/08 3:39	ear/aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/21/08 3:39	ear/aeh
Copper, total (3050)	M6010B ICP	2160		*	mg/Kg	1	5	08/21/08 3:39	ear/aeh
Lead, total (3050)	M6020 ICP-MS	187		*	mg/Kg	0.05	0.3	08/22/08 12:36	erf/rac
Manganese, total (3050)	M6010B ICP	566		*	mg/Kg	0.5	3	08/21/08 3:39	ear/aeh
Mercury, total	M7471A CVAA	0.11	B		mg/Kg	0.04	0.2	08/11/08 17:51	jws
Molybdenum, total (3050)	M6010B ICP	382		*	mg/Kg	1	5	08/21/08 3:39	ear/aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/21/08 3:39	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.55			mg/Kg	0.05	0.3	08/28/08 2:06	rac
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/22/08 12:36	erf/rac
Uranium, total (3050)	M6020 ICP-MS	6.85		*	mg/Kg	0.05	0.3	08/22/08 12:36	erf/rac
Zinc, total (3050)	M6010B ICP	531		*	mg/Kg	1	5	08/21/08 3:39	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.2		*	%	0.1	0.5	08/07/08 7:31	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:07	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 18:08	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 17:40	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-JS-02-1-3

ACZ Sample ID: ***L70948-04***
Date Sampled: *08/01/08 09:17*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 12:43	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	3.4			mg/Kg	0.3	0.5	08/28/08 2:12	rac
Barium, total (3050)	M6010B ICP	89.6		*	mg/Kg	0.3	2	08/21/08 3:43	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/21/08 3:43	ear/aeh
Cadmium, total (3050)	M6010B ICP	1.5	B		mg/Kg	0.5	2	08/21/08 3:43	ear/aeh
Chromium, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/21/08 3:43	ear/aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/21/08 3:43	ear/aeh
Copper, total (3050)	M6010B ICP	722		*	mg/Kg	1	5	08/21/08 3:43	ear/aeh
Lead, total (3050)	M6020 ICP-MS	576		*	mg/Kg	0.2	1	09/02/08 19:02	msh
Manganese, total (3050)	M6010B ICP	684		*	mg/Kg	0.5	3	08/21/08 3:43	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.03	0.2	08/11/08 17:58	jws
Molybdenum, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/21/08 3:43	ear/aeh
Nickel, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/21/08 3:43	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.23	B		mg/Kg	0.05	0.3	08/28/08 2:12	rac
Thallium, total (3050)	M6020 ICP-MS	0.17	B	*	mg/Kg	0.05	0.3	08/22/08 12:43	erf/rac
Uranium, total (3050)	M6020 ICP-MS	10.20		*	mg/Kg	0.05	0.3	08/22/08 12:43	erf/rac
Zinc, total (3050)	M6010B ICP	640		*	mg/Kg	1	5	08/21/08 3:43	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.4		*	%	0.1	0.5	08/07/08 8:34	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:13	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 18:32	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 19:30	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-M26-0-1

ACZ Sample ID: ***L70948-05***
Date Sampled: *08/01/08 09:56*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 12:49	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	2.6			mg/Kg	0.3	0.5	08/28/08 2:19	rac
Barium, total (3050)	M6010B ICP	126		*	mg/Kg	0.3	2	08/21/08 3:47	ear/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/21/08 3:47	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 3:47	ear/aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/21/08 3:47	ear/aeh
Cobalt, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/21/08 3:47	ear/aeh
Copper, total (3050)	M6010B ICP	358		*	mg/Kg	1	5	08/21/08 3:47	ear/aeh
Lead, total (3050)	M6020 ICP-MS	21.90		*	mg/Kg	0.05	0.3	08/22/08 12:49	erf/rac
Manganese, total (3050)	M6010B ICP	146		*	mg/Kg	0.5	3	08/21/08 3:47	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 18:01	jws
Molybdenum, total (3050)	M6010B ICP	66		*	mg/Kg	1	5	08/21/08 3:47	ear/aeh
Nickel, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/21/08 3:47	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.35			mg/Kg	0.05	0.3	08/28/08 2:19	rac
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	08/22/08 12:49	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.13		*	mg/Kg	0.05	0.3	08/22/08 12:49	erf/rac
Zinc, total (3050)	M6010B ICP	57		*	mg/Kg	1	5	08/21/08 3:47	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.3		*	%	0.1	0.5	08/07/08 9:37	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:19	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 18:56	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 21:20	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-M26-1-3

ACZ Sample ID: ***L70948-06***
Date Sampled: *08/01/08 09:56*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/22/08 12:55	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	3.7			mg/Kg	0.3	0.5	08/28/08 2:26	rac
Barium, total (3050)	M6010B ICP	48.4		*	mg/Kg	0.3	2	08/21/08 3:58	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/21/08 3:58	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 3:58	ear/aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/21/08 3:58	ear/aeh
Cobalt, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/21/08 3:58	ear/aeh
Copper, total (3050)	M6010B ICP	469		*	mg/Kg	1	5	08/21/08 3:58	ear/aeh
Lead, total (3050)	M6020 ICP-MS	20.30		*	mg/Kg	0.05	0.3	08/22/08 12:55	erf/rac
Manganese, total (3050)	M6010B ICP	109		*	mg/Kg	0.5	3	08/21/08 3:58	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 18:03	jws
Molybdenum, total (3050)	M6010B ICP	23		*	mg/Kg	1	5	08/21/08 3:58	ear/aeh
Nickel, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/21/08 3:58	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.28	B		mg/Kg	0.05	0.3	08/28/08 2:26	rac
Thallium, total (3050)	M6020 ICP-MS	0.16	B	*	mg/Kg	0.05	0.3	08/22/08 12:55	erf/rac
Uranium, total (3050)	M6020 ICP-MS	5.30		*	mg/Kg	0.05	0.3	08/22/08 12:55	erf/rac
Zinc, total (3050)	M6010B ICP	97		*	mg/Kg	1	5	08/21/08 3:58	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.0		*	%	0.1	0.5	08/07/08 10:40	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:25	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 19:20	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/09/08 23:10	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-M26-5-7

ACZ Sample ID: ***L70948-07***
Date Sampled: *08/01/08 10:06*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/22/08 13:01	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	4.6			mg/Kg	0.3	0.5	08/28/08 2:32	rac
Barium, total (3050)	M6010B ICP	67.5		*	mg/Kg	0.3	2	08/21/08 4:01	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 4:01	ear/aeh
Cadmium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.5	2	08/21/08 4:01	ear/aeh
Chromium, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/21/08 4:01	ear/aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/21/08 4:01	ear/aeh
Copper, total (3050)	M6010B ICP	536		*	mg/Kg	1	5	08/21/08 4:01	ear/aeh
Lead, total (3050)	M6020 ICP-MS	19.50		*	mg/Kg	0.05	0.3	08/22/08 13:01	erf/rac
Manganese, total (3050)	M6010B ICP	144		*	mg/Kg	0.5	3	08/21/08 4:01	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 18:05	jws
Molybdenum, total (3050)	M6010B ICP	44		*	mg/Kg	1	5	08/21/08 4:01	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 4:01	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.16	B		mg/Kg	0.05	0.3	08/28/08 2:32	rac
Thallium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/22/08 13:01	erf/rac
Uranium, total (3050)	M6020 ICP-MS	5.57		*	mg/Kg	0.05	0.3	08/22/08 13:01	erf/rac
Zinc, total (3050)	M6010B ICP	142		*	mg/Kg	1	5	08/21/08 4:01	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	91.9		*	%	0.1	0.5	08/07/08 11:44	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:30	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 19:43	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 1:00	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-01-0-1

ACZ Sample ID: ***L70948-08***
Date Sampled: *08/01/08 12:39*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/22/08 13:21	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	5.3			mg/Kg	0.3	0.5	08/28/08 2:52	rac
Barium, total (3050)	M6010B ICP	79.2		*	mg/Kg	0.3	2	08/21/08 4:05	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 4:05	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 4:05	ear/aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/21/08 4:05	ear/aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 4:05	ear/aeh
Copper, total (3050)	M6010B ICP	677		*	mg/Kg	1	5	08/21/08 4:05	ear/aeh
Lead, total (3050)	M6020 ICP-MS	56.60		*	mg/Kg	0.05	0.3	08/22/08 13:21	erf/rac
Manganese, total (3050)	M6010B ICP	338		*	mg/Kg	0.5	3	08/21/08 4:05	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/11/08 18:07	jws
Molybdenum, total (3050)	M6010B ICP	135		*	mg/Kg	1	5	08/21/08 4:05	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 4:05	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.33			mg/Kg	0.05	0.3	08/28/08 2:52	rac
Thallium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/28/08 2:52	rac
Uranium, total (3050)	M6020 ICP-MS	3.39		*	mg/Kg	0.05	0.3	08/22/08 13:21	erf/rac
Zinc, total (3050)	M6010B ICP	149		*	mg/Kg	1	5	08/21/08 4:05	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.2		*	%	0.1	0.5	08/07/08 12:47	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:36	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 20:07	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 2:50	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-01-1-3

ACZ Sample ID: ***L70948-09***
Date Sampled: *08/01/08 12:39*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/22/08 13:27	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	4.5			mg/Kg	0.3	0.5	08/28/08 2:58	rac
Barium, total (3050)	M6010B ICP	136		*	mg/Kg	0.3	2	08/21/08 4:09	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 4:09	ear/aeh
Cadmium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.5	2	08/21/08 4:09	ear/aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/21/08 4:09	ear/aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/21/08 4:09	ear/aeh
Copper, total (3050)	M6010B ICP	763		*	mg/Kg	1	5	08/21/08 4:09	ear/aeh
Lead, total (3050)	M6020 ICP-MS	46.30		*	mg/Kg	0.05	0.3	08/22/08 13:27	erf/rac
Manganese, total (3050)	M6010B ICP	329		*	mg/Kg	0.5	3	08/21/08 4:09	ear/aeh
Mercury, total	M7471A CVAA	0.04	B		mg/Kg	0.04	0.2	08/16/08 15:59	jws
Molybdenum, total (3050)	M6010B ICP	194		*	mg/Kg	1	5	08/21/08 4:09	ear/aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/21/08 4:09	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.40			mg/Kg	0.05	0.3	08/28/08 2:58	rac
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	08/28/08 2:58	rac
Uranium, total (3050)	M6020 ICP-MS	4.10		*	mg/Kg	0.05	0.3	08/22/08 13:27	erf/rac
Zinc, total (3050)	M6010B ICP	188		*	mg/Kg	1	5	08/21/08 4:09	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.5		*	%	0.1	0.5	08/07/08 13:50	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:42	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 20:31	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 4:40	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-02-0-1

ACZ Sample ID: ***L70948-10***
Date Sampled: *08/01/08 12:56*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/22/08 13:33	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	3.4			mg/Kg	0.3	0.5	08/28/08 3:05	rac
Barium, total (3050)	M6010B ICP	116		*	mg/Kg	0.3	2	08/21/08 4:12	ear/aeh
Beryllium, total (3050)	M6010B ICP	1.3			mg/Kg	0.2	1	08/21/08 4:12	ear/aeh
Cadmium, total (3050)	M6010B ICP	1.7	B		mg/Kg	0.5	2	08/21/08 4:12	ear/aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/21/08 4:12	ear/aeh
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/21/08 4:12	ear/aeh
Copper, total (3050)	M6010B ICP	794		*	mg/Kg	1	5	08/21/08 4:12	ear/aeh
Lead, total (3050)	M6020 ICP-MS	30.50		*	mg/Kg	0.05	0.3	08/22/08 13:33	erf/rac
Manganese, total (3050)	M6010B ICP	551		*	mg/Kg	0.5	3	08/21/08 4:12	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:05	jws
Molybdenum, total (3050)	M6010B ICP	99		*	mg/Kg	1	5	08/21/08 4:12	ear/aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/21/08 4:12	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.39			mg/Kg	0.05	0.3	08/28/08 3:05	rac
Thallium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/28/08 3:05	rac
Uranium, total (3050)	M6020 ICP-MS	4.64		*	mg/Kg	0.05	0.3	08/22/08 13:33	erf/rac
Zinc, total (3050)	M6010B ICP	362		*	mg/Kg	1	5	08/21/08 4:12	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.9		*	%	0.1	0.5	08/07/08 14:53	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:48	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 20:55	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 6:30	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-02-1-3

ACZ Sample ID: ***L70948-11***
Date Sampled: *08/01/08 12:56*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 13:40	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	1.8			mg/Kg	0.3	0.5	08/28/08 3:12	rac
Barium, total (3050)	M6010B ICP	64.9		*	mg/Kg	0.3	2	08/21/08 4:16	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/21/08 4:16	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/21/08 4:16	ear/aeh
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/21/08 4:16	ear/aeh
Cobalt, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/21/08 4:16	ear/aeh
Copper, total (3050)	M6010B ICP	399		*	mg/Kg	1	5	08/21/08 4:16	ear/aeh
Lead, total (3050)	M6020 ICP-MS	10.00		*	mg/Kg	0.05	0.3	08/22/08 13:40	erf/rac
Manganese, total (3050)	M6010B ICP	170		*	mg/Kg	0.5	3	08/21/08 4:16	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:07	jws
Molybdenum, total (3050)	M6010B ICP	18		*	mg/Kg	1	5	08/21/08 4:16	ear/aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/21/08 4:16	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.18	B		mg/Kg	0.05	0.3	08/28/08 3:12	rac
Thallium, total (3050)	M6020 ICP-MS	0.12	B	*	mg/Kg	0.05	0.3	08/28/08 3:12	rac
Uranium, total (3050)	M6020 ICP-MS	4.34		*	mg/Kg	0.05	0.3	08/22/08 13:40	erf/rac
Zinc, total (3050)	M6010B ICP	180		*	mg/Kg	1	5	08/21/08 4:16	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.6		*	%	0.1	0.5	08/07/08 15:56	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 21:54	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 21:18	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 8:20	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-02-5-7

ACZ Sample ID: ***L70948-12***
Date Sampled: *08/01/08 13:02*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/22/08 13:46	erf/rac
Arsenic, total (3050)	M6020 ICP-MS	1.6			mg/Kg	0.3	0.5	08/28/08 3:18	rac
Barium, total (3050)	M6010B ICP	143		*	mg/Kg	0.3	2	08/21/08 4:19	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 4:19	ear/aeh
Cadmium, total (3050)	M6010B ICP	1.0	B		mg/Kg	0.5	2	08/21/08 4:19	ear/aeh
Chromium, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	08/21/08 4:19	ear/aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/21/08 4:19	ear/aeh
Copper, total (3050)	M6010B ICP	442		*	mg/Kg	1	5	08/21/08 4:19	ear/aeh
Lead, total (3050)	M6020 ICP-MS	37.30		*	mg/Kg	0.05	0.3	08/22/08 13:46	erf/rac
Manganese, total (3050)	M6010B ICP	373		*	mg/Kg	0.5	3	08/21/08 4:19	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:09	jws
Molybdenum, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/21/08 4:19	ear/aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/21/08 4:19	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.07	B		mg/Kg	0.05	0.3	08/28/08 3:18	rac
Thallium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/28/08 3:18	rac
Uranium, total (3050)	M6020 ICP-MS	9.38		*	mg/Kg	0.05	0.3	08/22/08 13:46	erf/rac
Zinc, total (3050)	M6010B ICP	1070		*	mg/Kg	1	5	08/21/08 4:19	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	89.9		*	%	0.1	0.5	08/07/08 16:59	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:00	brd
Digestion - Hot Plate	M3050B ICP-MS							08/12/08 21:42	mjc/brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 10:10	lwt/mjc

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.02006		.02087	mg/L	104	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0012	0.0012			
WG249875PBS	PBS	08/22/08 11:07				U	mg/Kg		-0.6	0.6			
WG249875LCSS	LCSS	08/22/08 11:13	PCN30289	126		111.9	mg/Kg		63.3	189			
WG249875LCSSD	LCSSD	08/22/08 11:20	PCN30289	126		126.4	mg/Kg		63.3	189	12.2	20	
L70948-12MS	MS	08/22/08 13:52	MS080707-3	5.2	U	2.05	mg/Kg	39.4	75	125			M2
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	5.2	U	1.64	mg/Kg	31.5	75	125	22.22	20	M2 RD

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250714													
WG250714ICV	ICV	08/28/08 0:00	MS080813-2	.05		.05006	mg/L	100.1	90	110			
WG250714ICB	ICB	08/28/08 0:07				U	mg/L		-0.0015	0.0015			
WG249875PBS	PBS	08/28/08 0:33				U	mg/Kg		-0.9	0.9			
WG249875LCSS	LCSS	08/28/08 0:40	PCN30289	225		241.9	mg/Kg		181	270			
WG249875LCSSD	LCSSD	08/28/08 0:47	PCN30289	225		247.2	mg/Kg		181	270	2.2	20	
L70948-12MS	MS	08/28/08 3:25	MS080707-3	26	1.6	28.5	mg/Kg	103.5	75	125			
L70948-12MSD	MSD	08/28/08 3:31	MS080707-3	26	1.6	27.29	mg/Kg	98.8	75	125	4.34	20	
WG250827													
WG250827ICV	ICV	08/29/08 0:53	MS080813-2	.05		.05072	mg/L	101.4	90	110			
WG250827ICB	ICB	08/29/08 1:00				U	mg/L		-0.0015	0.0015			
WG249875PBS	PBS	08/29/08 1:27				U	mg/Kg		-0.9	0.9			
WG249875LCSS	LCSS	08/29/08 1:34	PCN30289	225		189.4	mg/Kg		181	270			
WG249875LCSSD	LCSSD	08/29/08 1:40	PCN30289	225		209.4	mg/Kg		181	270	10	20	
L70948-12MS	MS	08/29/08 2:07	MS080707-3	26	1.5	28.24	mg/Kg	102.8	75	125			
L70948-12MSD	MSD	08/29/08 2:27	MS080707-3	26	1.5	27.53	mg/Kg	100.1	75	125	2.55	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.0038	mg/L	100.2	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.009	0.009			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-0.9	0.9			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	565		605.22	mg/Kg		461	669			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	565		583	mg/Kg		461	669	3.7	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	115	136.36	mg/Kg	41.9	75	125			M2
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	115	139.32	mg/Kg	47.7	75	125	2.15	20	M2

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

Project ID: OJ07R9

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.9896	mg/L	99.5	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.006	0.006			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-0.6	0.6			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	162		178.76	mg/Kg		134	190			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	162		170.93	mg/Kg		134	190	4.5	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	.5	50.55	mg/Kg	98.1	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	.5	50.16	mg/Kg	97.4	75	125	0.77	20	

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.0013	mg/L	100.1	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.015	0.015			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-1.5	1.5			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	69.1		73.58	mg/Kg		58.1	80.1			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	69.1		69.32	mg/Kg		58.1	80.1	6	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	1.6	48.52	mg/Kg	92	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	1.6	48.14	mg/Kg	91.3	75	125	0.79	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.983	mg/L	99.2	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	124		132.3	mg/Kg		101	147			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	124		125.1	mg/Kg		101	147	5.6	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	8	60.3	mg/Kg	102.5	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	8	55.9	mg/Kg	93.9	75	125	7.57	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2.002		2.02	mg/L	100.9	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				1	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	115		123.9	mg/Kg		95.6	135			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	115		118.5	mg/Kg		95.6	135	4.5	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	10	57	mg/Kg	92.2	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	10	56.1	mg/Kg	90.4	75	125	1.59	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

Project ID: OJ07R9

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.974	mg/L	98.7	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	66.7		71	mg/Kg		53.9	79.5			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	66.7		69.9	mg/Kg		53.9	79.5	1.6	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	10000	10818.1	mg/Kg	1604.1	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	10000	10840.9	mg/Kg	1648.8	75	125	0.21	20	M3

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05133	mg/L	102.7	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/22/08 11:07				.064	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/22/08 11:13	PCN30289	223		239.65	mg/Kg		183	264			
WG249875LCSSD	LCSSD	08/22/08 11:20	PCN30289	223		233.9	mg/Kg		183	264	2.4	20	
L70948-12MS	MS	08/22/08 13:52	MS080707-3	26	37.3	68.744	mg/Kg	120.9	75	125			
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	26	37.3	55.172	mg/Kg	68.7	75	125	21.91	20	M2 RD
WG250918													
WG250918ICV	ICV	09/02/08 18:36	MS080813-2	.05		.04845	mg/L	96.9	90	110			
WG250918ICB	ICB	09/02/08 18:40				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	09/02/08 18:57				U	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	09/02/08 18:58	PCN30289	223		238.4	mg/Kg		183	264			
WG249875LCSSD	LCSSD	09/02/08 19:00	PCN30289	223		229.65	mg/Kg		183	264	3.7	20	
L70948-12MS	MS	09/02/08 19:10	MS080707-3	26	36.4	72.488	mg/Kg	138.8	75	125			MA
L70948-12MSD	MSD	09/02/08 19:12	MS080707-3	26	36.4	59.592	mg/Kg	89.2	75	125	19.53	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		1.9979	mg/L	99.9	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.015	0.015			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-1.5	1.5			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	368		393.41	mg/Kg		304	433			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	368		390.4	mg/Kg		304	433	0.8	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	294	292.99	mg/Kg	-2	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	294	360.33	mg/Kg	130.1	75	125	20.61	20	M3 RD

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

Project ID: OJ07R9

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249682													
WG249682ICV	ICV	08/11/08 14:16	II080721-4	.01002		.00965	mg/L	96.3	90	110			
WG249682ICB	ICB	08/11/08 14:18				U	mg/L		-0.0006	0.0006			
WG249685													
WG249685PBS	PBS	08/11/08 17:04				U	mg/Kg		-0.12	0.12			
WG249685LCSS	LCSS	08/11/08 17:07	PCN28813	5.8		5.57	mg/Kg		3.83	7.69			
WG249685LCSSD	LCSSD	08/11/08 17:09	PCN28813	5.8		6.02	mg/Kg		3.83	7.69	7.8	20	
L70874-01MS	MS	08/11/08 17:14	II080807-2	.96	.15	1.067	mg/Kg	95.5	85	115			
L70874-01MSD	MSD	08/11/08 17:16	II080807-2	.975	.15	1.101	mg/Kg	97.5	85	115	3.14	20	
WG250055													
WG250055ICV	ICV	08/16/08 14:09	II080721-4	.01002		.00985	mg/L	98.3	90	110			
WG250055ICB	ICB	08/16/08 14:12				U	mg/L		-0.0006	0.0006			
WG250059													
WG250059PBS	PBS	08/16/08 15:52				U	mg/Kg		-0.09	0.09			
WG250059LCSS	LCSS	08/16/08 15:54	PCN28813	5.8		5.04	mg/Kg		3.83	7.69			
WG250059LCSSD	LCSSD	08/16/08 15:57	PCN28813	5.8		5.05	mg/Kg		3.83	7.69	0.2	20	
L70948-09MS	MS	08/16/08 16:01	II080807-2	.965	.04	.961	mg/Kg	95.4	85	115			
L70948-09MSD	MSD	08/16/08 16:03	II080807-2	.97	.04	.979	mg/Kg	96.8	85	115	1.86	20	

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.01	mg/L	100.5	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	107		119.4	mg/Kg		83.8	130			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	107		116.5	mg/Kg		83.8	130	2.5	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	821	773.4	mg/Kg	-93.3	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	821	886.1	mg/Kg	127.6	75	125	13.58	20	M3

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2.004		1.967	mg/L	98.2	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	172		186.3	mg/Kg		140	204			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	172		175.2	mg/Kg		140	204	6.1	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	50.847	7	53.6	mg/Kg	91.6	75	125			
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	50.847	7	52.9	mg/Kg	90.3	75	125	1.31	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

Project ID: OJ07R9

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250714													
WG250714ICV	ICV	08/28/08 0:00	MS080813-2	.05		.04957	mg/L	99.1	90	110			
WG250714ICB	ICB	08/28/08 0:07				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/28/08 0:33				U	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/28/08 0:40	PCN30289	147		161.75	mg/Kg		114	180			
WG249875LCSSD	LCSSD	08/28/08 0:47	PCN30289	147		162.35	mg/Kg		114	180	0.4	20	
L70948-12MS	MS	08/28/08 3:25	MS080707-3	13	.07	12.615	mg/Kg	96.5	75	125			
L70948-12MSD	MSD	08/28/08 3:31	MS080707-3	13	.07	12.236	mg/Kg	93.6	75	125	3.05	20	
WG250827													
WG250827ICV	ICV	08/29/08 0:53	MS080813-2	.05		.05153	mg/L	103.1	90	110			
WG250827ICB	ICB	08/29/08 1:00				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/29/08 1:27				U	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/29/08 1:34	PCN30289	147		125.75	mg/Kg		114	180			
WG249875LCSSD	LCSSD	08/29/08 1:40	PCN30289	147		145.35	mg/Kg		114	180	14.5	20	
L70948-12MS	MS	08/29/08 2:07	MS080707-3	13	.08	13.593	mg/Kg	103.9	75	125			
L70948-12MSD	MSD	08/29/08 2:27	MS080707-3	13	.08	12.906	mg/Kg	98.7	75	125	5.19	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249559													
WG249559PBS	PBS	08/06/08 21:00				U	%		99.9	100.1			
L70909-01DUP	DUP	08/06/08 23:06			92.7	92.9	%				0.2	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05407	mg/L	108.1	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
L70949-13MS	MS	08/22/08 10:54	MS10XSOIL	25.5	.4	26.47	mg/Kg	102.2	75	125			
L70949-13MSD	MSD	08/22/08 11:01	MS10XSOIL	25.5	.4	27.24	mg/Kg	105.3	75	125	2.87	20	
WG249875PBS	PBS	08/22/08 11:07				.133	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/22/08 11:13	PCN30289	173		185.6	mg/Kg		140	205			
WG249875LCSSD	LCSSD	08/22/08 11:20	PCN30289	173		175.9	mg/Kg		140	205	5.4	20	
L70948-12MS	MS	08/22/08 13:52	MS080707-3	26.052	.22	27.019	mg/Kg	102.9	75	125			
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	26.052	.22	26.109	mg/Kg	99.4	75	125	3.43	20	
WG250714													
WG250714ICV	ICV	08/28/08 0:00	MS080813-2	.05		.04979	mg/L	99.6	90	110			
WG250714ICB	ICB	08/28/08 0:07				U	mg/L		-0.0003	0.0003			
WG249875PBS	PBS	08/28/08 0:33				U	mg/Kg		-0.15	0.15			
WG249875LCSS	LCSS	08/28/08 0:40	PCN30289	173		188.65	mg/Kg		140	205			
WG249875LCSSD	LCSSD	08/28/08 0:47	PCN30289	173		186.65	mg/Kg		140	205	1.1	20	
L70948-12MS	MS	08/28/08 3:25	MS080707-3	26.052	.19	25.048	mg/Kg	95.4	75	125			
L70948-12MSD	MSD	08/28/08 3:31	MS080707-3	26.052	.19	24.684	mg/Kg	94	75	125	1.46	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

Project ID: OJ07R9

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05198	mg/L	104	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
L70949-13MS	MS	08/22/08 10:54	MS10XSOIL	12.75	7.2	19.64	mg/Kg	97.6	75	125			
L70949-13MSD	MSD	08/22/08 11:01	MS10XSOIL	12.75	7.2	21.21	mg/Kg	109.9	75	125	7.69	20	
WG249875PBS	PBS	08/22/08 11:07				U	mg/Kg		-0.15	0.15			
L70948-12MS	MS	08/22/08 13:52	MS080707-3	13	9.38	24.58	mg/Kg	116.9	75	125			
L70948-12MSD	MSD	08/22/08 13:59	MS080707-3	13	9.38	24.289	mg/Kg	114.7	75	125	1.19	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250314													
WG250314ICV	ICV	08/21/08 2:23	II080820-1	2		2.015	mg/L	100.8	90	110			
WG250314ICB	ICB	08/21/08 2:27				U	mg/L		-0.03	0.03			
WG249875PBS	PBS	08/21/08 2:41				U	mg/Kg		-3	3			
WG249875LCSS	LCSS	08/21/08 2:45	PCN30289	349		370	mg/Kg		280	418			
WG249875LCSSD	LCSSD	08/21/08 2:48	PCN30289	349		355.8	mg/Kg		280	418	3.9	20	
L70909-01MS	MS	08/21/08 2:59	II080811-3	51	293	327.6	mg/Kg	67.8	75	125			M3
L70909-01MSD	MSD	08/21/08 3:03	II080811-3	51	293	347.7	mg/Kg	107.3	75	125	5.95	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-01	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-02	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-03	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-04	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250918	Lead, total (3050)	M6020 ICP-MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-05	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-06	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-07	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-08	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250714	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-09	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250714	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-10	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250714	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-11	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250714	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70948***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70948-12	WG250322	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Barium, total (3050)	M6010B ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250322	Lead, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG250314	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250714	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250314	Zinc, total (3050)	M6010B ICP	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.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70948
Date Received: 8/5/2008
Received By:
Date Printed: 8/5/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1549	3.5	15

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70948
Date Received: 8/5/2008
Received By:

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
L70948-01	EM-JS-01-0-1									X		
L70948-02	EM-JS-01-1-3									X		
L70948-03	EM-JS-02-0-1									X		
L70948-04	EM-JS-02-1-3									X		
L70948-05	EM-M26-0-1									X		
L70948-06	EM-M26-1-3									X		
L70948-07	EM-M26-5-7									X		
L70948-08	C-JS-01-0-1									X		
L70948-09	C-JS-01-1-3									X		
L70948-10	C-JS-02-0-1									X		
L70948-11	C-JS-02-1-3									X		
L70948-12	C-JS-02-5-7									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: _____

ACZ Laboratories, Inc.

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

L70948

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: EMI
E-mail: Ned-Hall@EMI.com

Address: 6200 W. Duval Mine Rd
P.O. Box 527 Green Valley, AZ
Telephone: (520) 648-8857

Copy of Report to:

Name: Rick-Smith@urscorp.com
Company:

E-mail: Steven.Vaughn@URScorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: EMI
E-mail: Ned_Hall@EMI.com

Address: 6200 W. Duval Mine Rd.
P.O. Box 527 Green Valley, AZ
Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 0507R9
Reporting state for compliance testing:
Sampler's Name: Armando Linares
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/08								
EM-JS-01-0-1	8-1-08 ~~0943~~ 0943	SO	1	1								
EM-JS-01-1-3	8-1-08 ~~0943~~ 0943	1	1	1								
EM-JS-02-0-1	8-1-08 0917	1	1	1								
EM-JS-02-1-3	8-1-08 0917	1	1	1								
EM-M26-0-1	8-1-08 956	1	1	1								
EM-M26-1-3	8-1-08 956	1	1	1								
EM-M26-5-7	8-1-08 1006	1	1	1								
C-JS-01-0-1	8-1-08 1239	1	1	1								
C-JS-01-1-3	8-1-08 1239	1	1	1								
C-JS-02-0-1	8-1-08 1256	1	1	1								

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 810 130 84 6008 716Z

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8-4-08 1530	WPL	8-5-08 10:30

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

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

L-70948

CHAIN of CUSTODY

Report to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd
Company: FMI	P.O. Box 527 Green Valley, AZ
E-mail: #8 Ned_Hall@FMI.com	Telephone: (520) 648-8857

Copy of Report to:

Name: Nick_Smith@urscorp.com	E-mail: Steven_Vaught@urscorp.com
Company:	Telephone:

Invoice to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd.
Company: FMI	P.O. Box 527 Green Valley, AZ
E-mail: Ned_Hall@FMI.com	Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:

Project/PO #: ~~0J06D9~~ 0J07K9

Reporting state for compliance testing:

Sampler's Name: Armando Jimenez

Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached Quote 7/3/08							
C-JS-02-1-3	8-1-08 1256	SO	1	1							
C-JS-02-5-7	8-1-08 1302	1	1	1							

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 810 130 84 6008 7162

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8-4-08 1530	WPL	8-5-08 1013

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

FREEPORT-McMoRan COPPER & GOLD

Phelps Dodge is a Freeport-McMoRan Company

Order No. OJ07R9

Issued on Fri, 11 Jul, 2008
Created on Fri, 11 Jul, 2008 by ariba system

Contractor:
ACZ LABORATORIES INC | 01250A | STEAMBOAT SPRINGS
2773 DOWNHILL DR
STEAMBOAT SPRINGS, CO 80487
United States
Phone: 1970-879-6590
Fax: 1970-879-2216

Company: FREEPORT-MCMORAN SIERRITA INC

Services to be performed at:
FREEPORT-MCMORAN SIERRITA INC
04 MILL WAREHOUSE 6200 W DUVAL MINE RD
Green Valley, AZ 85614
United States

Company Contact:
Edward L Hall Tel: (505) 537-4237

Invoices to be shipped to:
FREEPORT-MCMORAN SIERRITA INC
Accounts Payable PO Box 2671
Phoenix, AZ 85002
United States

Work Order/Project #:
Unique Name: PR1690000
Cost Center:
Department Name: Alloc Environmental
Expense Element:
Account Name: Outside Svcs - Assay

Contract Administrator: ROBERT LOYD
Phone:
Fax:
Email: robert_loyd@fmi.com

Item	Description	Extended Amount
1	**Envrionmental soil testing at ACZ (contract ...**	$87,000.00USD
	Envrionmental soil testing at ACZ (contract laboratory) for Sierrita Voluntary Remediation Program	

Phelps Dodge Stock Code:
Delivery Method: UPS
Requester: EDWARD L HALL
Freight Coding: Destination, Freight Collect
Phelps Dodge Stock Code:
ID: 010402
Form:
PR No.: PR438560
Contract: MS0214
Payment Terms: Net amount in 33 days, no discount
Tax Rate: 0.0000000000%
Tax Amount: $0.00USD

Total	$87,000.00USD

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01

D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 29, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Rick Smith, Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L70949

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 05, 2008. This project has been assigned to ACZ's project number, L70949. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L70949. 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 September 29, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

August 29, 2008

Project ID: OJ07R9
ACZ Project ID: L70949

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 13 soil samples from FMI Gold & Copper - Sierrita on August 5, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70949. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Some of the Lead data (>= L70949-08) has been qualified with the N1 flag. The chemist noted that Lead failed control criteria in the ICSA sample. The level in the samples is greater than 10 times that in the ICSA. No significant impact would be expected.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-03-0-1

ACZ Sample ID: ***L70949-01***
Date Sampled: *08/04/08 10:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/15/08 16:19	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	6.6		*	mg/Kg	0.3	0.5	08/15/08 16:19	erf/msh
Barium, total (3050)	M6010B ICP	82.5		*	mg/Kg	0.3	2	08/20/08 0:48	aeh
Beryllium, total (3050)	M6010B ICP	1.4			mg/Kg	0.2	1	08/21/08 1:03	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 0:48	aeh
Chromium, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/20/08 0:48	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/20/08 0:48	aeh
Copper, total (3050)	M6010B ICP	1020			mg/Kg	1	5	08/20/08 0:48	aeh
Lead, total (3050)	M6020 ICP-MS	74.80		*	mg/Kg	0.05	0.3	08/15/08 16:19	erf/msh
Manganese, total (3050)	M6010B ICP	573		*	mg/Kg	0.5	3	08/20/08 0:48	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:12	jws
Molybdenum, total (3050)	M6010B ICP	199			mg/Kg	1	5	08/20/08 0:48	aeh
Nickel, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/20/08 0:48	aeh
Selenium, total (3050)	M6020 ICP-MS	0.69			mg/Kg	0.05	0.3	08/15/08 16:19	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.20	B	*	mg/Kg	0.05	0.3	08/15/08 16:19	erf/msh
Uranium, total (3050)	M6020 ICP-MS	6.11		*	mg/Kg	0.05	0.3	08/15/08 16:19	erf/msh
Zinc, total (3050)	M6010B ICP	256		*	mg/Kg	1	5	08/20/08 0:48	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.1		*	%	0.1	0.5	08/06/08 23:23	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:00	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 13:36	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 12:00	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-03-1-3

ACZ Sample ID: ***L70949-02***
Date Sampled: *08/04/08 10:31*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 16:26	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.3		*	mg/Kg	0.3	0.5	08/15/08 16:26	erf/msh
Barium, total (3050)	M6010B ICP	136		*	mg/Kg	0.3	2	08/20/08 0:51	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 1:07	aeh
Cadmium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.5	2	08/20/08 0:51	aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 0:51	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 0:51	aeh
Copper, total (3050)	M6010B ICP	485			mg/Kg	1	5	08/20/08 0:51	aeh
Lead, total (3050)	M6020 ICP-MS	53.20		*	mg/Kg	0.05	0.3	08/15/08 16:26	erf/msh
Manganese, total (3050)	M6010B ICP	351		*	mg/Kg	0.5	3	08/20/08 0:51	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:19	jws
Molybdenum, total (3050)	M6010B ICP	37			mg/Kg	1	5	08/20/08 0:51	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/20/08 0:51	aeh
Selenium, total (3050)	M6020 ICP-MS	0.29	B		mg/Kg	0.05	0.3	08/15/08 16:26	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/15/08 16:26	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.70		*	mg/Kg	0.05	0.3	08/15/08 16:26	erf/msh
Zinc, total (3050)	M6010B ICP	442		*	mg/Kg	1	5	08/20/08 0:51	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.7		*	%	0.1	0.5	08/07/08 2:10	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:05	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 13:52	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 13:50	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-03-5-7

ACZ Sample ID: ***L70949-03***
Date Sampled: *08/04/08 10:34*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 16:33	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.7		*	mg/Kg	0.3	0.5	08/15/08 16:33	erf/msh
Barium, total (3050)	M6010B ICP	88.1		*	mg/Kg	0.3	2	08/20/08 0:54	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 1:11	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 0:54	aeh
Chromium, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/20/08 0:54	aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 0:54	aeh
Copper, total (3050)	M6010B ICP	371			mg/Kg	1	5	08/20/08 0:54	aeh
Lead, total (3050)	M6020 ICP-MS	45.90		*	mg/Kg	0.05	0.3	08/15/08 16:33	erf/msh
Manganese, total (3050)	M6010B ICP	256		*	mg/Kg	0.5	3	08/20/08 0:54	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:21	jws
Molybdenum, total (3050)	M6010B ICP	18			mg/Kg	1	5	08/20/08 0:54	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/20/08 0:54	aeh
Selenium, total (3050)	M6020 ICP-MS	0.23	B		mg/Kg	0.05	0.3	08/15/08 16:33	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.15	B	*	mg/Kg	0.05	0.3	08/15/08 16:33	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.15		*	mg/Kg	0.05	0.3	08/15/08 16:33	erf/msh
Zinc, total (3050)	M6010B ICP	255		*	mg/Kg	1	5	08/20/08 0:54	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	89.0		*	%	0.1	0.5	08/07/08 3:34	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:10	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 14:07	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 15:40	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-03-10-12

ACZ Sample ID: ***L70949-04***
Date Sampled: *08/04/08 10:43*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 16:39	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.2		*	mg/Kg	0.3	0.5	08/15/08 16:39	erf/msh
Barium, total (3050)	M6010B ICP	85.8		*	mg/Kg	0.3	2	08/20/08 0:58	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 1:14	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 0:58	aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 0:58	aeh
Cobalt, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/20/08 0:58	aeh
Copper, total (3050)	M6010B ICP	365			mg/Kg	1	5	08/20/08 0:58	aeh
Lead, total (3050)	M6020 ICP-MS	89.30		*	mg/Kg	0.05	0.3	08/15/08 16:39	erf/msh
Manganese, total (3050)	M6010B ICP	211		*	mg/Kg	0.5	3	08/20/08 0:58	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:23	jws
Molybdenum, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/20/08 0:58	aeh
Nickel, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	08/20/08 0:58	aeh
Selenium, total (3050)	M6020 ICP-MS	0.41			mg/Kg	0.05	0.3	08/15/08 16:39	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	08/15/08 16:39	erf/msh
Uranium, total (3050)	M6020 ICP-MS	13.00		*	mg/Kg	0.05	0.3	08/15/08 16:39	erf/msh
Zinc, total (3050)	M6010B ICP	178		*	mg/Kg	1	5	08/20/08 0:58	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	86.0		*	%	0.1	0.5	08/07/08 4:57	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:15	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 14:23	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 17:30	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-03-15-17

ACZ Sample ID: ***L70949-05***
Date Sampled: *08/04/08 11:03*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 16:46	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.8		*	mg/Kg	0.3	0.5	08/15/08 16:46	erf/msh
Barium, total (3050)	M6010B ICP	95.6		*	mg/Kg	0.3	2	08/20/08 1:01	aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	08/21/08 1:18	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:01	aeh
Chromium, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/20/08 1:01	aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 1:01	aeh
Copper, total (3050)	M6010B ICP	442			mg/Kg	1	5	08/20/08 1:01	aeh
Lead, total (3050)	M6020 ICP-MS	66.60		*	mg/Kg	0.05	0.3	08/15/08 16:46	erf/msh
Manganese, total (3050)	M6010B ICP	270		*	mg/Kg	0.5	3	08/20/08 1:01	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:26	jws
Molybdenum, total (3050)	M6010B ICP	14			mg/Kg	1	5	08/20/08 1:01	aeh
Nickel, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	08/20/08 1:01	aeh
Selenium, total (3050)	M6020 ICP-MS	0.42			mg/Kg	0.05	0.3	08/15/08 16:46	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.20	B	*	mg/Kg	0.05	0.3	08/15/08 16:46	erf/msh
Uranium, total (3050)	M6020 ICP-MS	15.30		*	mg/Kg	0.05	0.3	08/15/08 16:46	erf/msh
Zinc, total (3050)	M6010B ICP	207		*	mg/Kg	1	5	08/20/08 1:01	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	81.9		*	%	0.1	0.5	08/07/08 6:21	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:20	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 14:39	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 19:20	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-01-0-1

ACZ Sample ID: ***L70949-06***
Date Sampled: *08/04/08 11:38*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/15/08 16:53	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	8.7		*	mg/Kg	0.3	0.5	08/15/08 16:53	erf/msh
Barium, total (3050)	M6010B ICP	82.3		*	mg/Kg	0.3	2	08/20/08 1:05	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 1:29	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:05	aeh
Chromium, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/20/08 1:05	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 1:05	aeh
Copper, total (3050)	M6010B ICP	423			mg/Kg	1	5	08/20/08 1:05	aeh
Lead, total (3050)	M6020 ICP-MS	65.10		*	mg/Kg	0.05	0.3	08/15/08 16:53	erf/msh
Manganese, total (3050)	M6010B ICP	386		*	mg/Kg	0.5	3	08/20/08 1:05	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:28	jws
Molybdenum, total (3050)	M6010B ICP	142			mg/Kg	1	5	08/20/08 1:05	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/20/08 1:05	aeh
Selenium, total (3050)	M6020 ICP-MS	0.62			mg/Kg	0.05	0.3	08/15/08 16:53	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/15/08 16:53	erf/msh
Uranium, total (3050)	M6020 ICP-MS	3.67		*	mg/Kg	0.05	0.3	08/15/08 16:53	erf/msh
Zinc, total (3050)	M6010B ICP	124		*	mg/Kg	1	5	08/20/08 1:05	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.3		*	%	0.1	0.5	08/07/08 7:44	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:25	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 14:54	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 21:10	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-01-1-3

ACZ Sample ID: ***L70949-07***
Date Sampled: *08/04/08 11:38*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 17:00	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	2.2		*	mg/Kg	0.3	0.5	08/15/08 17:00	erf/msh
Barium, total (3050)	M6010B ICP	121		*	mg/Kg	0.3	2	08/20/08 1:08	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 1:32	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:08	aeh
Chromium, total (3050)	M6010B ICP	37		*	mg/Kg	1	5	08/20/08 1:08	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 1:08	aeh
Copper, total (3050)	M6010B ICP	432			mg/Kg	1	5	08/20/08 1:08	aeh
Lead, total (3050)	M6020 ICP-MS	90.50		*	mg/Kg	0.05	0.3	08/15/08 17:00	erf/msh
Manganese, total (3050)	M6010B ICP	546		*	mg/Kg	0.5	3	08/20/08 1:08	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:30	jws
Molybdenum, total (3050)	M6010B ICP	54			mg/Kg	1	5	08/20/08 1:08	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/20/08 1:08	aeh
Selenium, total (3050)	M6020 ICP-MS	0.26	B		mg/Kg	0.05	0.3	08/15/08 17:00	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.20	B	*	mg/Kg	0.05	0.3	08/15/08 17:00	erf/msh
Uranium, total (3050)	M6020 ICP-MS	4.66		*	mg/Kg	0.05	0.3	08/15/08 17:00	erf/msh
Zinc, total (3050)	M6010B ICP	172		*	mg/Kg	1	5	08/20/08 1:08	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.5		*	%	0.1	0.5	08/07/08 9:08	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:30	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 15:10	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/10/08 23:00	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-01-5-7

ACZ Sample ID: ***L70949-08***
Date Sampled: *08/04/08 11:44*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/15/08 17:07	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.6		*	mg/Kg	0.3	0.5	08/15/08 17:07	erf/msh
Barium, total (3050)	M6010B ICP	146		*	mg/Kg	0.3	2	08/20/08 1:12	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 1:36	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:12	aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/20/08 1:12	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/20/08 1:12	aeh
Copper, total (3050)	M6010B ICP	602			mg/Kg	1	5	08/20/08 1:12	aeh
Lead, total (3050)	M6020 ICP-MS	343		*	mg/Kg	0.1	0.5	08/22/08 10:04	erf/rac
Manganese, total (3050)	M6010B ICP	486		*	mg/Kg	0.5	3	08/20/08 1:12	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:33	jws
Molybdenum, total (3050)	M6010B ICP	134			mg/Kg	1	5	08/20/08 1:12	aeh
Nickel, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/20/08 1:12	aeh
Selenium, total (3050)	M6020 ICP-MS	0.48			mg/Kg	0.05	0.3	08/15/08 17:07	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.23	B	*	mg/Kg	0.05	0.3	08/15/08 17:07	erf/msh
Uranium, total (3050)	M6020 ICP-MS	6.09		*	mg/Kg	0.05	0.3	08/15/08 17:07	erf/msh
Zinc, total (3050)	M6010B ICP	302		*	mg/Kg	1	5	08/20/08 1:12	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.0		*	%	0.1	0.5	08/07/08 10:32	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:35	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 15:25	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/11/08 0:50	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-01-10-12

ACZ Sample ID: ***L70949-09***
Date Sampled: *08/04/08 13:30*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	1.0	B	*	mg/Kg	0.2	1	08/15/08 17:15	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	5.8		*	mg/Kg	0.3	0.5	08/15/08 17:15	erf/msh
Barium, total (3050)	M6010B ICP	123		*	mg/Kg	0.3	2	08/20/08 1:22	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 1:40	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:22	aeh
Chromium, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/20/08 1:22	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/20/08 1:22	aeh
Copper, total (3050)	M6010B ICP	4580			mg/Kg	1	5	08/20/08 1:22	aeh
Lead, total (3050)	M6020 ICP-MS	47.90		*	mg/Kg	0.05	0.3	08/15/08 17:15	erf/msh
Manganese, total (3050)	M6010B ICP	392		*	mg/Kg	0.5	3	08/20/08 1:22	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:35	jws
Molybdenum, total (3050)	M6010B ICP	735			mg/Kg	1	5	08/20/08 1:22	aeh
Nickel, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/20/08 1:22	aeh
Selenium, total (3050)	M6020 ICP-MS	3.37			mg/Kg	0.05	0.3	08/15/08 17:15	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.27	B	*	mg/Kg	0.05	0.3	08/15/08 17:15	erf/msh
Uranium, total (3050)	M6020 ICP-MS	6.90		*	mg/Kg	0.05	0.3	08/15/08 17:15	erf/msh
Zinc, total (3050)	M6010B ICP	150		*	mg/Kg	1	5	08/20/08 1:22	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	77.9		*	%	0.1	0.5	08/07/08 11:55	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:40	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 15:41	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/11/08 2:40	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-02-0-1

ACZ Sample ID: ***L70949-10***
Date Sampled: *08/04/08 14:06*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/15/08 17:36	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	4.0		*	mg/Kg	0.3	0.5	08/15/08 17:36	erf/msh
Barium, total (3050)	M6010B ICP	157		*	mg/Kg	0.3	2	08/20/08 1:25	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 1:43	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:25	aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 1:25	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/20/08 1:25	aeh
Copper, total (3050)	M6010B ICP	640			mg/Kg	1	5	08/20/08 1:25	aeh
Lead, total (3050)	M6020 ICP-MS	126		*	mg/Kg	0.05	0.3	08/15/08 17:36	erf/msh
Manganese, total (3050)	M6010B ICP	348		*	mg/Kg	0.5	3	08/20/08 1:25	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:37	jws
Molybdenum, total (3050)	M6010B ICP	81			mg/Kg	1	5	08/20/08 1:25	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/20/08 1:25	aeh
Selenium, total (3050)	M6020 ICP-MS	0.41			mg/Kg	0.05	0.3	08/15/08 17:36	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.32		*	mg/Kg	0.05	0.3	08/22/08 10:10	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.77		*	mg/Kg	0.05	0.3	08/15/08 17:36	erf/msh
Zinc, total (3050)	M6010B ICP	218		*	mg/Kg	1	5	08/20/08 1:25	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.9		*	%	0.1	0.5	08/07/08 13:19	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:45	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 15:57	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/11/08 4:30	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-02-1-3

ACZ Sample ID: ***L70949-11***
Date Sampled: *08/04/08 14:06*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/15/08 17:43	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	3.3		*	mg/Kg	0.3	0.5	08/15/08 17:43	erf/msh
Barium, total (3050)	M6010B ICP	85.6		*	mg/Kg	0.3	2	08/20/08 1:29	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/21/08 1:47	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:29	aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 1:29	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 1:29	aeh
Copper, total (3050)	M6010B ICP	448			mg/Kg	1	5	08/20/08 1:29	aeh
Lead, total (3050)	M6020 ICP-MS	25.70		*	mg/Kg	0.05	0.3	08/15/08 17:43	erf/msh
Manganese, total (3050)	M6010B ICP	269		*	mg/Kg	0.5	3	08/20/08 1:29	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:40	jws
Molybdenum, total (3050)	M6010B ICP	28			mg/Kg	1	5	08/20/08 1:29	aeh
Nickel, total (3050)	M6010B ICP	5			mg/Kg	1	5	08/20/08 1:29	aeh
Selenium, total (3050)	M6020 ICP-MS	0.32			mg/Kg	0.05	0.3	08/15/08 17:43	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	08/22/08 10:16	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.28		*	mg/Kg	0.05	0.3	08/15/08 17:43	erf/msh
Zinc, total (3050)	M6010B ICP	269		*	mg/Kg	1	5	08/20/08 1:29	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.8		*	%	0.1	0.5	08/07/08 14:42	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:50	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 16:12	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/11/08 6:20	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-02-5-7

ACZ Sample ID: ***L70949-12***
Date Sampled: *08/04/08 14:15*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/15/08 17:50	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	1.6		*	mg/Kg	0.3	0.5	08/15/08 17:50	erf/msh
Barium, total (3050)	M6010B ICP	366		*	mg/Kg	0.3	2	08/20/08 1:32	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/21/08 1:50	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 1:32	aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/20/08 1:32	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/20/08 1:32	aeh
Copper, total (3050)	M6010B ICP	131			mg/Kg	1	5	08/20/08 1:32	aeh
Lead, total (3050)	M6020 ICP-MS	20.30		*	mg/Kg	0.05	0.3	08/15/08 17:50	erf/msh
Manganese, total (3050)	M6010B ICP	430		*	mg/Kg	0.5	3	08/20/08 1:32	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:46	jws
Molybdenum, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	08/20/08 1:32	aeh
Nickel, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/20/08 1:32	aeh
Selenium, total (3050)	M6020 ICP-MS	0.19	B		mg/Kg	0.05	0.3	08/15/08 17:50	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.38		*	mg/Kg	0.05	0.3	08/22/08 10:29	erf/rac
Uranium, total (3050)	M6020 ICP-MS	3.00		*	mg/Kg	0.05	0.3	08/15/08 17:50	erf/msh
Zinc, total (3050)	M6010B ICP	1140		*	mg/Kg	1	5	08/20/08 1:32	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.8		*	%	0.1	0.5	08/07/08 16:06	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 22:55	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 16:28	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/11/08 8:10	lwt/mjc

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-02-10-11

ACZ Sample ID: ***L70949-13***
Date Sampled: *08/04/08 14:33*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.7	B	*	mg/Kg	0.2	1	08/15/08 17:57	erf/msh
Arsenic, total (3050)	M6020 ICP-MS	5.3		*	mg/Kg	0.3	0.5	08/15/08 17:57	erf/msh
Barium, total (3050)	M6010B ICP	138		*	mg/Kg	0.3	2	08/20/08 1:36	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/21/08 1:54	aeh
Cadmium, total (3050)	M6010B ICP	8.3			mg/Kg	0.5	2	08/20/08 1:36	aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/20/08 1:36	aeh
Cobalt, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/20/08 1:36	aeh
Copper, total (3050)	M6010B ICP	448			mg/Kg	1	5	08/20/08 1:36	aeh
Lead, total (3050)	M6020 ICP-MS	376		*	mg/Kg	0.1	0.5	08/22/08 10:48	erf/rac
Manganese, total (3050)	M6010B ICP	717		*	mg/Kg	0.5	3	08/20/08 1:36	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:49	jws
Molybdenum, total (3050)	M6010B ICP	15			mg/Kg	1	5	08/20/08 1:36	aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/20/08 1:36	aeh
Selenium, total (3050)	M6020 ICP-MS	0.24	B		mg/Kg	0.05	0.3	08/15/08 17:57	erf/msh
Thallium, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.1	0.5	08/22/08 10:48	erf/rac
Uranium, total (3050)	M6020 ICP-MS	7.77		*	mg/Kg	0.05	0.3	08/15/08 17:57	erf/msh
Zinc, total (3050)	M6010B ICP	3630		*	mg/Kg	1	5	08/20/08 1:36	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.6		*	%	0.1	0.5	08/07/08 17:29	brd

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/06/08 23:00	brd
Digestion - Hot Plate	M3050B ICP-MS							08/11/08 16:43	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/11/08 10:00	lwt/mjc

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250012													
WG250012ICV	ICV	08/15/08 14:20	MS080722-4	.02006		.02043	mg/L	101.8	90	110			
WG250012ICB	ICB	08/15/08 14:27				U	mg/L		-0.0012	0.0012			
WG249754PBS	PBS	08/15/08 14:55				U	mg/Kg		-0.6	0.6			
WG249754LCSS	LCSS	08/15/08 15:02	PCN30289	126		101.9	mg/Kg		63.3	189			
WG249754LCSSD	LCSSD	08/15/08 15:09	PCN30289	126		104.7	mg/Kg		63.3	189	2.7	20	
L70949-13MS	MS	08/15/08 18:04	MS080707-3	5.1	.7	2.87	mg/Kg	42.5	75	125			M2
L70949-13MSD	MSD	08/15/08 18:11	MS080707-3	5.1	.7	2.8	mg/Kg	41.2	75	125	2.47	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250012													
WG250012ICV	ICV	08/15/08 14:20	MS080722-4	.05		.05183	mg/L	103.7	90	110			
WG250012ICB	ICB	08/15/08 14:27				U	mg/L		-0.0015	0.0015			
WG249754PBS	PBS	08/15/08 14:55				.43	mg/Kg		-0.9	0.9			
WG249754LCSS	LCSS	08/15/08 15:02	PCN30289	225		242.4	mg/Kg		181	270			
WG249754LCSSD	LCSSD	08/15/08 15:09	PCN30289	225		237.2	mg/Kg		181	270	2.2	20	
L70949-13MS	MS	08/15/08 18:04	MS080707-3	25.5	5.3	27.39	mg/Kg	86.6	75	125			
L70949-13MSD	MSD	08/15/08 18:11	MS080707-3	25.5	5.3	28.07	mg/Kg	89.3	75	125	2.45	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		2.0326	mg/L	101.6	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.009	0.009			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-0.9	0.9			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	565		594.66	mg/Kg		461	669			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	565		567.26	mg/Kg		461	669	4.7	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	138	162.57	mg/Kg	48.7	75	125			MA
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	138	177.79	mg/Kg	78.8	75	125	8.94	20	

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250307													
WG250307ICV	ICV	08/20/08 23:54	II080820-1	2		1.8982	mg/L	94.9	90	110			
WG250307ICB	ICB	08/20/08 23:58				U	mg/L		-0.006	0.006			
WG249754PBS	PBS	08/21/08 0:12				U	mg/Kg		-0.6	0.6			
WG249754LCSS	LCSS	08/21/08 0:16	PCN30289	162		177.04	mg/Kg		134	190			
WG249754LCSSD	LCSSD	08/21/08 0:20	PCN30289	162		174.57	mg/Kg		134	190	1.4	20	
L70874-01MS	MS	08/21/08 0:31	II2XSOIL	50.5	.9	49.42	mg/Kg	96.1	75	125			
L70874-01MSD	MSD	08/21/08 0:34	II2XSOIL	50.5	.9	48.73	mg/Kg	94.7	75	125	1.41	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.9082	mg/L	95.4	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.015	0.015			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-1.5	1.5			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	69.1		71.25	mg/Kg		58.1	80.1			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	69.1		71.88	mg/Kg		58.1	80.1	0.9	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	10.1	62.25	mg/Kg	103.3	75	125			
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	10.1	53.83	mg/Kg	86.6	75	125	14.51	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.923	mg/L	96.2	90	110			
WG250243ICB	ICB	08/19/08 23:45				.01	mg/L		-0.03	0.03			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-3	3			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	124		136.5	mg/Kg		101	147			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	124		134.9	mg/Kg		101	147	1.2	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	11	62.8	mg/Kg	102.6	75	125			
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	11	55.4	mg/Kg	87.9	75	125	12.52	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.881	mg/L	94.1	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.03	0.03			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-3	3			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	115		124.8	mg/Kg		95.6	135			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	115		125.1	mg/Kg		95.6	135	0.2	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	5	52	mg/Kg	93.1	75	125			
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	5	53.1	mg/Kg	95.2	75	125	2.09	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.986	mg/L	99.3	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.03	0.03			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-3	3			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	66.7		69.4	mg/Kg		53.9	79.5			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	66.7		68.4	mg/Kg		53.9	79.5	1.5	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	35	86	mg/Kg	101	75	125			
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	35	82.1	mg/Kg	93.3	75	125	4.64	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250012													
WG250012ICV	ICV	08/15/08 14:20	MS080722-4	.05		.05066	mg/L	101.3	90	110			
WG250012ICB	ICB	08/15/08 14:27				U	mg/L		-0.0003	0.0003			
WG249754PBS	PBS	08/15/08 14:55				U	mg/Kg		-0.15	0.15			
WG249754LCSS	LCSS	08/15/08 15:02	PCN30289	223		244.4	mg/Kg		183	264			
WG249754LCSSD	LCSSD	08/15/08 15:09	PCN30289	223		246.7	mg/Kg		183	264	0.9	20	
L70949-13MS	MS	08/15/08 18:04	MS080707-3	25.5	440	396.78	mg/Kg	-169.5	75	125			M3
L70949-13MSD	MSD	08/15/08 18:11	MS080707-3	25.5	440	458.796	mg/Kg	73.7	75	125	14.5	20	M3
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05133	mg/L	102.7	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
WG249754PBS	PBS	08/22/08 9:45				.091	mg/Kg		-0.15	0.15			
WG249754LCSS	LCSS	08/22/08 9:51	PCN30289	223		248.95	mg/Kg		183	264			
WG249754LCSSD	LCSSD	08/22/08 9:58	PCN30289	223		250.5	mg/Kg		183	264	0.6	20	
L70949-13MS	MS	08/22/08 10:54	MS10XSOIL	25.5	376	356.08	mg/Kg	-78.1	75	125			M3
L70949-13MSD	MSD	08/22/08 11:01	MS10XSOIL	25.5	376	410.14	mg/Kg	133.9	75	125	14.11	20	M3

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		2.0481	mg/L	102.4	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.015	0.015			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-1.5	1.5			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	368		396.76	mg/Kg		304	433			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	368		386.61	mg/Kg		304	433	2.6	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	9710	13853.45	mg/Kg	8204.9	75	125			M3
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	9710	7962.19	mg/Kg	-3461	75	125	54.01	20	M3 RD

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250055													
WG250055ICV	ICV	08/16/08 14:09	II080721-4	.01002		.00985	mg/L	98.3	90	110			
WG250055ICB	ICB	08/16/08 14:12				U	mg/L		-0.0006	0.0006			
WG250059													
WG250059PBS	PBS	08/16/08 15:52				U	mg/Kg		-0.09	0.09			
WG250059LCSS	LCSS	08/16/08 15:54	PCN28813	5.8		5.04	mg/Kg		3.83	7.69			
WG250059LCSSD	LCSSD	08/16/08 15:57	PCN28813	5.8		5.05	mg/Kg		3.83	7.69	0.2	20	
L70948-09MS	MS	08/16/08 16:01	II080807-2	.965	.04	.961	mg/Kg	95.4	85	115			
L70948-09MSD	MSD	08/16/08 16:03	II080807-2	.97	.04	.979	mg/Kg	96.8	85	115	1.86	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

Project ID: OJ07R9

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.941	mg/L	97.1	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.03	0.03			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-3	3			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	107		121	mg/Kg		83.8	130			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	107		118.8	mg/Kg		83.8	130	1.8	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	2	47.2	mg/Kg	89.5	75	125			
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	2	47.6	mg/Kg	90.3	75	125	0.84	20	

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.89	mg/L	94.5	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.03	0.03			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-3	3			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	172		185.4	mg/Kg		140	204			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	172		186.3	mg/Kg		140	204	0.5	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.3485	U	49.3	mg/Kg	97.9	75	125			
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.3485	U	46.8	mg/Kg	93	75	125	5.2	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250012													
WG250012ICV	ICV	08/15/08 14:20	MS080722-4	.05		.05142	mg/L	102.8	90	110			
WG250012ICB	ICB	08/15/08 14:27				U	mg/L		-0.0003	0.0003			
WG249754PBS	PBS	08/15/08 14:55				.115	mg/Kg		-0.15	0.15			
WG249754LCSS	LCSS	08/15/08 15:02	PCN30289	147		154.95	mg/Kg		114	180			
WG249754LCSSD	LCSSD	08/15/08 15:09	PCN30289	147		159.4	mg/Kg		114	180	2.8	20	
L70949-13MS	MS	08/15/08 18:04	MS080707-3	12.75	.24	10.863	mg/Kg	83.3	75	125			
L70949-13MSD	MSD	08/15/08 18:11	MS080707-3	12.75	.24	11.006	mg/Kg	84.4	75	125	1.31	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249562													
WG249562PBS	PBS	08/06/08 22:00				U	%		99.9	100.1			
L70949-01DUP	DUP	08/07/08 0:47			94.1	91.11	%				3.2	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

Project ID: OJ07R9

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250012													
WG250012ICV	ICV	08/15/08 14:20	MS080722-4	.05		.0536	mg/L	107.2	90	110			
WG250012ICB	ICB	08/15/08 14:27				U	mg/L		-0.0003	0.0003			
WG249754PBS	PBS	08/15/08 14:55				U	mg/Kg		-0.15	0.15			
WG249754LCSS	LCSS	08/15/08 15:02	PCN30289	173		178.05	mg/Kg		140	205			
WG249754LCSSD	LCSSD	08/15/08 15:09	PCN30289	173		180.35	mg/Kg		140	205	1.3	20	
L70949-13MS	MS	08/15/08 18:04	MS080707-3	25.551	.39	25.016	mg/Kg	96.4	75	125			
L70949-13MSD	MSD	08/15/08 18:11	MS080707-3	25.551	.39	26.117	mg/Kg	100.7	75	125	4.31	20	
WG250322													
WG250322ICV	ICV	08/22/08 9:13	MS080813-2	.05		.05407	mg/L	108.1	90	110			
WG250322ICB	ICB	08/22/08 9:19				U	mg/L		-0.0003	0.0003			
WG249754PBS	PBS	08/22/08 9:45				U	mg/Kg		-0.15	0.15			
WG249754LCSS	LCSS	08/22/08 9:51	PCN30289	173		187.7	mg/Kg		140	205			
WG249754LCSSD	LCSSD	08/22/08 9:58	PCN30289	173		187	mg/Kg		140	205	0.4	20	
L70949-13MS	MS	08/22/08 10:54	MS10XSOIL	25.5	.4	26.47	mg/Kg	102.2	75	125			
L70949-13MSD	MSD	08/22/08 11:01	MS10XSOIL	25.5	.4	27.24	mg/Kg	105.3	75	125	2.87	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250012													
WG250012ICV	ICV	08/15/08 14:20	MS080722-4	.05		.0516	mg/L	103.2	90	110			
WG250012ICB	ICB	08/15/08 14:27				U	mg/L		-0.0003	0.0003			
WG249754PBS	PBS	08/15/08 14:55				U	mg/Kg		-0.15	0.15			
L70949-13MS	MS	08/15/08 18:04	MS080707-3	12.75	7.77	20.517	mg/Kg	100	75	125			
L70949-13MSD	MSD	08/15/08 18:11	MS080707-3	12.75	7.77	22.297	mg/Kg	113.9	75	125	8.32	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250243													
WG250243ICV	ICV	08/19/08 23:42	II080717-1	2		1.968	mg/L	98.4	90	110			
WG250243ICB	ICB	08/19/08 23:45				U	mg/L		-0.03	0.03			
WG249754PBS	PBS	08/19/08 23:59				U	mg/Kg		-3	3			
WG249754LCSS	LCSS	08/20/08 0:03	PCN30289	349		365.9	mg/Kg		280	418			
WG249754LCSSD	LCSSD	08/20/08 0:06	PCN30289	349		374.5	mg/Kg		280	418	2.3	20	
L70874-01MS	MS	08/20/08 0:17	II080730-2	50.5	1230	2011.2	mg/Kg	1546.9	75	125			M3
L70874-01MSD	MSD	08/20/08 0:20	II080730-2	50.5	1230	1182.3	mg/Kg	-94.5	75	125	51.91	20	M3 RD

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-01	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-02	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-03	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-04	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-05	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-06	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-07	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-08	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Lead, total (3050)	M6020 ICP-MS	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.
			M6020 ICP-MS	N1	See Case Narrative.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-09	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250012	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-10	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250012	Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-11	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250012	Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-12	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250012	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250012	Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L70949***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70949-13	WG250012	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Barium, total (3050)	M6010B ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250322	Lead, total (3050)	M6020 ICP-MS	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.
			M6020 ICP-MS	N1	See Case Narrative.
	WG250243	Manganese, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250322	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250012	Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250243	Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70949
Date Received: 8/5/2008
Received By:
Date Printed: 8/5/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1831	2.3	14

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L70949
Date Received: 8/5/2008
Received By:

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
L70949-01	C-JS-03-0-1									X		
L70949-02	C-JS-03-1-3									X		
L70949-03	C-JS-03-5-7									X		
L70949-04	C-JS-03-10-12									X		
L70949-05	C-JS-03-15-17									X		
L70949-06	CS-JS-01-0-1									X		
L70949-07	CS-JS-01-1-3									X		
L70949-08	CS-JS-01-5-7									X		
L70949-09	CS-JS-01-10-12									X		
L70949-10	CS-JS-02-0-1									X		
L70949-11	CS-JS-02-1-3									X		
L70949-12	CS-JS-02-5-7									X		
L70949-13	CS-JS-02-10-11									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: _____

ACZ Laboratories, Inc.

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

L 709149

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI
E-mail: Ned.Hall@fmi.com
Address: 6200 W. Duval Mine Rd PO Box 527 Green Valley, AZ
Telephone: 520-648-8857

Copy of Report to:

Name: Rick Smith / Steven Vaughn
Company: URS
E-mail: rick_smith@URSCORP.com
Telephone: StevenVaughn@URSCORP.com

Invoice to:

Name: SAME Ned Hall
Company: FMI
E-mail:
Address: SAME Ned Hall FMI
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.

PROJECT INFORMATION

Quote #: 05 07R9
Project/PO #:
Reporting state for compliance testing:
Sampler's Name: Rick Smith
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/08
C-SS-03-0-1	8-4-08 1025	SO	1	X
C-SS-03-1-3	8-4-08 1031	SO	1	X
C-SS-03-5-7	8-4-08 1034	SO	1	X
C-SS-03-10-12	8-4-08 1043	SO	1	X
C-SS-03-15-17	8-4-08 1103	SO	1	X
CS-SS-01-0-1	8-4-08 1138	SO	1	X
CS-SS-01-1-3	8-4-08 1138	SO	1	X
CS-SS-01-5-7	8-4-08 1144	SO	1	X
CS-SS-01-10-12	8-4-08 1330	SO	1	X
CS-SS-02-0-1	8-4-08 1406	SO	1	X

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

REMARKS/ SAMPLE DISCLOSURES

UPS 1Z 810 130 84 6008 7153

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8/4/08 1530	WPL	8-5-08 10:3

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

L709149

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI
E-mail: Ned.Hall@FMI.com

Address: 6200 W. Duvall Mine Rd
PO BOX 527 Green Valley AZ
Telephone: 520-648-8857

Copy of Report to:

Name: Rick Smith / Steven Vaughn
Company: URS

E-mail: Rick_Smith@URSCorp.com
Telephone: Steven_Vaughn@URSCorp.com

Invoice to:

Name: Ned Hall
Company: FMI
E-mail: Same

Address: 6200 W. Duvall Mine Rd
PO Box 527 Green Valley AZ
Telephone: 520-648-8857

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.

PROJECT INFORMATION

Quote #: 05 ØM K9
Project/PO #:
Reporting state for compliance testing:
Sampler's Name: Rick Smith
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/08
CS-SS-02-1-3	8-4-08 1401	SO	1	X
CS-SS-02-5-7	8-4-08 1415	SO	1	X
CS-SS-02-10-11	8-4-08 1433	SO	1	X

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

REMARKS/ SAMPLE DISCLOSURES

12 810 130 84 6008 7153

PAGE 2 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8/4/08 1530	WK	8-5-08 10:30

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

FREEPORT-McMoRan COPPER & GOLD

Phelps Dodge is a Freeport-McMoRan Company

Order No. OJ07R9

Issued on Fri, 11 Jul, 2008
Created on Fri, 11 Jul, 2008 by ariba system

Contractor:
ACZ LABORATORIES INC | 01250A | STEAMBOAT SPRINGS
2773 DOWNHILL DR
STEAMBOAT SPRINGS, CO 80487
United States
Phone: 1970-879-6590
Fax: 1970-879-2216

Company: FREEPORT-MCMORAN SIERRITA INC

Services to be performed at:
FREEPORT-MCMORAN SIERRITA INC
04 MILL WAREHOUSE 6200 W DUVAL MINE RD
Green Valley, AZ 85614
United States

Company Contact:
Edward L Hall Tel: (505) 537-4237

Invoices to be shipped to:
FREEPORT-MCMORAN SIERRITA INC
Accounts Payable PO Box 2671
Phoenix, AZ 85002
United States

Work Order/Project #:
Unique Name: PR1690000
Cost Center:
Department Name: Alloc Environmental
Expense Element:
Account Name: Outside Svcs - Assay

Contract Administrator: ROBERT LOYD
Phone:
Fax:
Email: robert_loyd@fmi.com

Item	Description	Extended Amount
1	**Envrionmental soil testing at ACZ (contract ...**	$87,000.00USD
	Envrionmental soil testing at ACZ (contract laboratory) for Sierrita Voluntary Remediation Program	

Phelps Dodge Stock Code:
Delivery Method: UPS
Requester: EDWARD L HALL
Freight Coding: Destination, Freight Collect
Phelps Dodge Stock Code:
ID: 010402
Form:
PR No.: PR438560
Contract: MS0214
Payment Terms: Net amount in 33 days, no discount
Tax Rate: 0.0000000000%
Tax Amount: $0.00USD

Total	$87,000.00USD

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01

D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Revised Analytical Report

Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527
6200 W. Duval Mine Road
Green Valley, AZ 85622-0527

September 25, 2008

Cc: Rick Smith, Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L71009

Ned Hall:

Enclosed are revised analytical reports for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 07, 2008 and reported on August 28, 2008. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L71009. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L71009. 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 the requirements of NELAC.

This report should 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 September 28, 2008. 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. Please notify your Project Manager if you have other needs.

If you have any questions, please contact your Project Manager or Customer Service Representative.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

September 25, 2008

Project ID: OJ07R9
ACZ Project ID: L71009

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 11 soil samples from FMI Gold & Copper - Sierrita on August 7, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L71009. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. This project has been revised to correct some sample identifications.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-03-0-1

ACZ Sample ID: ***L71009-01***
Date Sampled: *08/05/08 08:13*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/26/08 6:46	rac
Arsenic, total (3050)	M6020 ICP-MS	3.8			mg/Kg	0.3	0.5	08/26/08 6:46	rac
Barium, total (3050)	M6010B ICP	95.4		*	mg/Kg	0.3	2	08/22/08 2:45	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/22/08 2:45	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 2:45	aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/22/08 2:45	aeh
Cobalt, total (3050)	M6010B ICP	17			mg/Kg	1	5	08/22/08 2:45	aeh
Copper, total (3050)	M6010B ICP	562		*	mg/Kg	1	5	08/22/08 2:45	aeh
Lead, total (3050)	M6020 ICP-MS	57.20		*	mg/Kg	0.05	0.3	08/26/08 6:46	rac
Manganese, total (3050)	M6010B ICP	279		*	mg/Kg	0.5	3	08/22/08 2:45	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 14:52	jws
Molybdenum, total (3050)	M6010B ICP	51		*	mg/Kg	1	5	08/22/08 2:45	aeh
Nickel, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	08/22/08 2:45	aeh
Selenium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/27/08 0:16	rac
Thallium, total (3050)	M6020 ICP-MS	0.17	B	*	mg/Kg	0.05	0.3	08/26/08 6:46	rac
Uranium, total (3050)	M6020 ICP-MS	11.00		*	mg/Kg	0.05	0.3	08/26/08 6:46	rac
Zinc, total (3050)	M6010B ICP	129		*	mg/Kg	1	5	08/22/08 2:45	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.6		*	%	0.1	0.5	08/11/08 16:57	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:39	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 17:41	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:00	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-03-1-3

ACZ Sample ID: ***L71009-02***
Date Sampled: *08/05/08 08:13*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/26/08 6:52	rac
Arsenic, total (3050)	M6020 ICP-MS	3.5			mg/Kg	0.3	0.5	08/26/08 6:52	rac
Barium, total (3050)	M6010B ICP	123		*	mg/Kg	0.3	2	08/22/08 2:49	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/22/08 2:49	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 2:49	aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/22/08 2:49	aeh
Cobalt, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/22/08 2:49	aeh
Copper, total (3050)	M6010B ICP	802		*	mg/Kg	1	5	08/22/08 2:49	aeh
Lead, total (3050)	M6020 ICP-MS	48.80		*	mg/Kg	0.05	0.3	08/26/08 6:52	rac
Manganese, total (3050)	M6010B ICP	273		*	mg/Kg	0.5	3	08/22/08 2:49	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 14:54	jws
Molybdenum, total (3050)	M6010B ICP	66		*	mg/Kg	1	5	08/22/08 2:49	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/22/08 2:49	aeh
Selenium, total (3050)	M6020 ICP-MS	0.37		*	mg/Kg	0.05	0.3	08/27/08 0:23	rac
Thallium, total (3050)	M6020 ICP-MS	0.23	B	*	mg/Kg	0.05	0.3	08/26/08 6:52	rac
Uranium, total (3050)	M6020 ICP-MS	3.24		*	mg/Kg	0.05	0.3	08/26/08 6:52	rac
Zinc, total (3050)	M6010B ICP	154		*	mg/Kg	1	5	08/22/08 2:49	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.2		*	%	0.1	0.5	08/11/08 20:11	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:42	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 18:00	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:02	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-03-5-7

ACZ Sample ID: ***L71009-03***
Date Sampled: *08/05/08 08:19*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/26/08 6:59	rac
Arsenic, total (3050)	M6020 ICP-MS	2.9			mg/Kg	0.3	0.5	08/26/08 6:59	rac
Barium, total (3050)	M6010B ICP	142		*	mg/Kg	0.3	2	08/22/08 2:52	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/22/08 2:52	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 2:52	aeh
Chromium, total (3050)	M6010B ICP	13			mg/Kg	1	5	08/22/08 2:52	aeh
Cobalt, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/22/08 2:52	aeh
Copper, total (3050)	M6010B ICP	770		*	mg/Kg	1	5	08/22/08 2:52	aeh
Lead, total (3050)	M6020 ICP-MS	88.70		*	mg/Kg	0.05	0.3	08/26/08 6:59	rac
Manganese, total (3050)	M6010B ICP	478		*	mg/Kg	0.5	3	08/22/08 2:52	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 14:57	jws
Molybdenum, total (3050)	M6010B ICP	46		*	mg/Kg	1	5	08/22/08 2:52	aeh
Nickel, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/22/08 2:52	aeh
Selenium, total (3050)	M6020 ICP-MS	0.30		*	mg/Kg	0.05	0.3	08/27/08 0:29	rac
Thallium, total (3050)	M6020 ICP-MS	0.31		*	mg/Kg	0.05	0.3	08/26/08 6:59	rac
Uranium, total (3050)	M6020 ICP-MS	3.01		*	mg/Kg	0.05	0.3	08/26/08 6:59	rac
Zinc, total (3050)	M6010B ICP	217		*	mg/Kg	1	5	08/22/08 2:52	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.0		*	%	0.1	0.5	08/11/08 21:48	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:45	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 18:18	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:05	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-03-10-12

ACZ Sample ID: ***L71009-04***
Date Sampled: *08/05/08 08:28*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/26/08 7:06	rac
Arsenic, total (3050)	M6020 ICP-MS	3.3			mg/Kg	0.3	0.5	08/26/08 7:06	rac
Barium, total (3050)	M6010B ICP	201		*	mg/Kg	0.3	2	08/22/08 2:56	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/22/08 2:56	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 2:56	aeh
Chromium, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/22/08 2:56	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/22/08 2:56	aeh
Copper, total (3050)	M6010B ICP	641		*	mg/Kg	1	5	08/22/08 2:56	aeh
Lead, total (3050)	M6020 ICP-MS	71.40		*	mg/Kg	0.05	0.3	08/26/08 7:06	rac
Manganese, total (3050)	M6010B ICP	371		*	mg/Kg	0.5	3	08/22/08 2:56	aeh
Mercury, total	M7471A CVAA	0.04	B		mg/Kg	0.04	0.2	08/16/08 14:59	jws
Molybdenum, total (3050)	M6010B ICP	98		*	mg/Kg	1	5	08/22/08 2:56	aeh
Nickel, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/22/08 2:56	aeh
Selenium, total (3050)	M6020 ICP-MS	0.34		*	mg/Kg	0.05	0.3	08/27/08 0:36	rac
Thallium, total (3050)	M6020 ICP-MS	0.35		*	mg/Kg	0.05	0.3	08/26/08 7:06	rac
Uranium, total (3050)	M6020 ICP-MS	3.00		*	mg/Kg	0.05	0.3	08/26/08 7:06	rac
Zinc, total (3050)	M6010B ICP	456		*	mg/Kg	1	5	08/22/08 2:56	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.4		*	%	0.1	0.5	08/11/08 23:25	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:48	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 18:37	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:08	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-04-0-1

ACZ Sample ID: ***L71009-05***
Date Sampled: *08/05/08 09:25*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/26/08 7:12	rac
Arsenic, total (3050)	M6020 ICP-MS	8.9			mg/Kg	0.3	0.5	08/26/08 7:12	rac
Barium, total (3050)	M6010B ICP	73.0		*	mg/Kg	0.3	2	08/22/08 2:59	aeh
Beryllium, total (3050)	M6010B ICP	1.2			mg/Kg	0.2	1	08/22/08 2:59	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 2:59	aeh
Chromium, total (3050)	M6010B ICP	23			mg/Kg	1	5	08/22/08 2:59	aeh
Cobalt, total (3050)	M6010B ICP	12			mg/Kg	1	5	08/22/08 2:59	aeh
Copper, total (3050)	M6010B ICP	671		*	mg/Kg	1	5	08/22/08 2:59	aeh
Lead, total (3050)	M6020 ICP-MS	44.40		*	mg/Kg	0.05	0.3	08/26/08 7:12	rac
Manganese, total (3050)	M6010B ICP	664		*	mg/Kg	0.5	3	08/22/08 2:59	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 15:02	jws
Molybdenum, total (3050)	M6010B ICP	98		*	mg/Kg	1	5	08/22/08 2:59	aeh
Nickel, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/22/08 2:59	aeh
Selenium, total (3050)	M6020 ICP-MS	0.30		*	mg/Kg	0.05	0.3	08/27/08 0:55	rac
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	08/26/08 7:12	rac
Uranium, total (3050)	M6020 ICP-MS	4.05		*	mg/Kg	0.05	0.3	08/26/08 7:12	rac
Zinc, total (3050)	M6010B ICP	245		*	mg/Kg	1	5	08/22/08 2:59	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.7		*	%	0.1	0.5	08/12/08 1:02	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:50	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 18:55	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:11	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-04-1-3

ACZ Sample ID: ***L71009-06***
Date Sampled: *08/05/08 09:25*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/26/08 7:32	rac
Arsenic, total (3050)	M6020 ICP-MS	1.4			mg/Kg	0.3	0.5	08/26/08 7:32	rac
Barium, total (3050)	M6010B ICP	137		*	mg/Kg	0.3	2	08/22/08 3:02	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/22/08 3:02	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 3:02	aeh
Chromium, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/22/08 3:02	aeh
Cobalt, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/22/08 3:02	aeh
Copper, total (3050)	M6010B ICP	491		*	mg/Kg	1	5	08/22/08 3:02	aeh
Lead, total (3050)	M6020 ICP-MS	15.10		*	mg/Kg	0.05	0.3	08/26/08 7:32	rac
Manganese, total (3050)	M6010B ICP	333		*	mg/Kg	0.5	3	08/22/08 3:02	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 15:05	jws
Molybdenum, total (3050)	M6010B ICP	16		*	mg/Kg	1	5	08/22/08 3:02	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/22/08 3:02	aeh
Selenium, total (3050)	M6020 ICP-MS	0.15	B	*	mg/Kg	0.05	0.3	08/27/08 1:02	rac
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/26/08 7:32	rac
Uranium, total (3050)	M6020 ICP-MS	3.28		*	mg/Kg	0.05	0.3	08/26/08 7:32	rac
Zinc, total (3050)	M6010B ICP	45		*	mg/Kg	1	5	08/22/08 3:02	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.4		*	%	0.1	0.5	08/12/08 2:39	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:53	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 19:13	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:14	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-04-5-7

ACZ Sample ID: ***L71009-07***
Date Sampled: *08/05/08 09:34*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/26/08 7:39	rac
Arsenic, total (3050)	M6020 ICP-MS	2.3			mg/Kg	0.3	0.5	08/26/08 7:39	rac
Barium, total (3050)	M6010B ICP	152		*	mg/Kg	0.3	2	08/22/08 3:06	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/22/08 3:06	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 3:06	aeh
Chromium, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/22/08 3:06	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/22/08 3:06	aeh
Copper, total (3050)	M6010B ICP	420		*	mg/Kg	1	5	08/22/08 3:06	aeh
Lead, total (3050)	M6020 ICP-MS	56.10		*	mg/Kg	0.05	0.3	08/26/08 7:39	rac
Manganese, total (3050)	M6010B ICP	388		*	mg/Kg	0.5	3	08/22/08 3:06	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 15:12	jws
Molybdenum, total (3050)	M6010B ICP	38		*	mg/Kg	1	5	08/22/08 3:06	aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/22/08 3:06	aeh
Selenium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	08/27/08 1:08	rac
Thallium, total (3050)	M6020 ICP-MS	0.27	B	*	mg/Kg	0.05	0.3	08/26/08 7:39	rac
Uranium, total (3050)	M6020 ICP-MS	3.23		*	mg/Kg	0.05	0.3	08/26/08 7:39	rac
Zinc, total (3050)	M6010B ICP	106		*	mg/Kg	1	5	08/22/08 3:06	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.3		*	%	0.1	0.5	08/12/08 4:16	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:56	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 19:32	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:17	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-04-10-12

ACZ Sample ID: ***L71009-08***
Date Sampled: *08/05/08 09:42*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.7	B	*	mg/Kg	0.2	1	08/26/08 7:45	rac
Arsenic, total (3050)	M6020 ICP-MS	4.7			mg/Kg	0.3	0.5	08/26/08 7:45	rac
Barium, total (3050)	M6010B ICP	88.1		*	mg/Kg	0.3	2	08/22/08 3:09	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/22/08 3:09	aeh
Cadmium, total (3050)	M6010B ICP	2.1			mg/Kg	0.5	2	08/22/08 3:09	aeh
Chromium, total (3050)	M6010B ICP	9			mg/Kg	1	5	08/22/08 3:09	aeh
Cobalt, total (3050)	M6010B ICP	11			mg/Kg	1	5	08/22/08 3:09	aeh
Copper, total (3050)	M6010B ICP	2780		*	mg/Kg	1	5	08/22/08 3:09	aeh
Lead, total (3050)	M6020 ICP-MS	41.40		*	mg/Kg	0.05	0.3	08/26/08 7:45	rac
Manganese, total (3050)	M6010B ICP	187		*	mg/Kg	0.5	3	08/22/08 3:09	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.05	0.2	08/16/08 15:14	jws
Molybdenum, total (3050)	M6010B ICP	537		*	mg/Kg	1	5	08/22/08 3:09	aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/22/08 3:09	aeh
Selenium, total (3050)	M6020 ICP-MS	2.39		*	mg/Kg	0.05	0.3	08/27/08 1:15	rac
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/26/08 7:45	rac
Uranium, total (3050)	M6020 ICP-MS	7.23		*	mg/Kg	0.05	0.3	08/26/08 7:45	rac
Zinc, total (3050)	M6010B ICP	135		*	mg/Kg	1	5	08/22/08 3:09	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	84.4		*	%	0.1	0.5	08/12/08 5:53	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 13:59	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 19:50	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:19	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-04-15-16

ACZ Sample ID: ***L71009-09***
Date Sampled: *08/05/08 10:33*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.7	B	*	mg/Kg	0.2	1	08/26/08 7:52	rac
Arsenic, total (3050)	M6020 ICP-MS	3.9			mg/Kg	0.3	0.5	08/26/08 7:52	rac
Barium, total (3050)	M6010B ICP	103		*	mg/Kg	0.3	2	08/22/08 3:20	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/22/08 3:20	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/22/08 3:20	aeh
Chromium, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/22/08 3:20	aeh
Cobalt, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/22/08 3:20	aeh
Copper, total (3050)	M6010B ICP	1150		*	mg/Kg	1	5	08/22/08 3:20	aeh
Lead, total (3050)	M6020 ICP-MS	54.80		*	mg/Kg	0.05	0.3	08/27/08 1:22	rac
Manganese, total (3050)	M6010B ICP	155		*	mg/Kg	0.5	3	08/22/08 3:20	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 15:16	jws
Molybdenum, total (3050)	M6010B ICP	276		*	mg/Kg	1	5	08/22/08 3:20	aeh
Nickel, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	08/22/08 3:20	aeh
Selenium, total (3050)	M6020 ICP-MS	1.02		*	mg/Kg	0.05	0.3	08/27/08 1:22	rac
Thallium, total (3050)	M6020 ICP-MS	0.12	B	*	mg/Kg	0.05	0.3	08/26/08 7:52	rac
Uranium, total (3050)	M6020 ICP-MS	4.43		*	mg/Kg	0.05	0.3	08/26/08 7:52	rac
Zinc, total (3050)	M6010B ICP	65		*	mg/Kg	1	5	08/22/08 3:20	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	85.0		*	%	0.1	0.5	08/12/08 7:30	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:01	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 20:09	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:22	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-05-0-1

ACZ Sample ID: ***L71009-10***
Date Sampled: *08/05/08 11:08*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	08/26/08 7:58	rac
Arsenic, total (3050)	M6020 ICP-MS	4.2			mg/Kg	0.3	0.5	08/26/08 7:58	rac
Barium, total (3050)	M6010B ICP	120		*	mg/Kg	0.3	2	08/22/08 3:23	aeh
Beryllium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.2	1	08/22/08 3:23	aeh
Cadmium, total (3050)	M6010B ICP	1.2	B		mg/Kg	0.5	2	08/22/08 3:23	aeh
Chromium, total (3050)	M6010B ICP	16			mg/Kg	1	5	08/22/08 3:23	aeh
Cobalt, total (3050)	M6010B ICP	10			mg/Kg	1	5	08/22/08 3:23	aeh
Copper, total (3050)	M6010B ICP	481		*	mg/Kg	1	5	08/22/08 3:23	aeh
Lead, total (3050)	M6020 ICP-MS	477		*	mg/Kg	0.2	1	08/27/08 1:28	rac
Manganese, total (3050)	M6010B ICP	838		*	mg/Kg	0.5	3	08/22/08 3:23	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 15:18	jws
Molybdenum, total (3050)	M6010B ICP	74		*	mg/Kg	1	5	08/22/08 3:23	aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/22/08 3:23	aeh
Selenium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/27/08 1:28	rac
Thallium, total (3050)	M6020 ICP-MS	0.18	B	*	mg/Kg	0.05	0.3	08/26/08 7:58	rac
Uranium, total (3050)	M6020 ICP-MS	5.66		*	mg/Kg	0.05	0.3	08/26/08 7:58	rac
Zinc, total (3050)	M6010B ICP	315		*	mg/Kg	1	5	08/22/08 3:23	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.7		*	%	0.1	0.5	08/12/08 9:07	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:04	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 20:27	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:25	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: C-JS-05-1-3

ACZ Sample ID: ***L71009-11***
Date Sampled: *08/05/08 11:08*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/26/08 8:18	rac
Arsenic, total (3050)	M6020 ICP-MS	11.2			mg/Kg	0.3	0.5	08/26/08 8:18	rac
Barium, total (3050)	M6010B ICP	104		*	mg/Kg	0.3	2	08/22/08 3:27	aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/22/08 3:27	aeh
Cadmium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.5	2	08/22/08 3:27	aeh
Chromium, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	08/22/08 3:27	aeh
Cobalt, total (3050)	M6010B ICP	1	B		mg/Kg	1	5	08/22/08 3:27	aeh
Copper, total (3050)	M6010B ICP	185		*	mg/Kg	1	5	08/22/08 3:27	aeh
Lead, total (3050)	M6020 ICP-MS	3740		*	mg/Kg	1	5	08/27/08 1:48	rac
Manganese, total (3050)	M6010B ICP	78.1		*	mg/Kg	0.5	3	08/22/08 3:27	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 15:20	jws
Molybdenum, total (3050)	M6010B ICP	18		*	mg/Kg	1	5	08/22/08 3:27	aeh
Nickel, total (3050)	M6010B ICP		U		mg/Kg	1	5	08/22/08 3:27	aeh
Selenium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	1	5	08/27/08 1:48	rac
Thallium, total (3050)	M6020 ICP-MS	0.62		*	mg/Kg	0.05	0.3	08/26/08 8:18	rac
Uranium, total (3050)	M6020 ICP-MS	4.19		*	mg/Kg	0.05	0.3	08/26/08 8:18	rac
Zinc, total (3050)	M6010B ICP	156			mg/Kg	1	5	08/22/08 3:27	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.5		*	%	0.1	0.5	08/12/08 10:45	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:07	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 21:23	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:28	brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250539													
WG250539ICV	ICV	08/26/08 4:40	MS080813-2	.02006		.02029	mg/L	101.1	90	110			
WG250539ICB	ICB	08/26/08 4:46				U	mg/L		-0.0012	0.0012			
WG249985PBS	PBS	08/26/08 5:13				U	mg/Kg		-0.6	0.6			
WG249985LCSS	LCSS	08/26/08 5:19	PCN30289	126		86.9	mg/Kg		63.3	189			
WG249985LCSSD	LCSSD	08/26/08 5:26	PCN30289	126		86.7	mg/Kg		63.3	189	0.2	20	
L71009-10MS	MS	08/26/08 8:05	MS080707-3	5.05	.2	1.85	mg/Kg	32.7	75	125			M2
L71009-10MSD	MSD	08/26/08 8:11	MS080707-3	5.05	.2	2.14	mg/Kg	38.4	75	125	14.54	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250539													
WG250539ICV	ICV	08/26/08 4:40	MS080813-2	.05		.05112	mg/L	102.2	90	110			
WG250539ICB	ICB	08/26/08 4:46				U	mg/L		-0.0015	0.0015			
WG249985PBS	PBS	08/26/08 5:13				U	mg/Kg		-0.9	0.9			
WG249985LCSS	LCSS	08/26/08 5:19	PCN30289	225		225.4	mg/Kg		181	270			
WG249985LCSSD	LCSSD	08/26/08 5:26	PCN30289	225		233.4	mg/Kg		181	270	3.5	20	
L71009-10MS	MS	08/26/08 8:05	MS080707-3	25.25	4.2	28.91	mg/Kg	97.9	75	125			
L71009-10MSD	MSD	08/26/08 8:11	MS080707-3	25.25	4.2	30.49	mg/Kg	104.1	75	125	5.32	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		2.0297	mg/L	101.5	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.009	0.009			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-0.9	0.9			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	565		558.05	mg/Kg		461	669			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	565		551.45	mg/Kg		461	669	1.2	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	104	173.38	mg/Kg	138.8	75	125			M1
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	104	168.07	mg/Kg	128.1	75	125	3.11	20	M1

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		2.0589	mg/L	102.9	90	110			
WG250412ICB	ICB	08/22/08 1:43				.0028	mg/L		-0.006	0.006			
WG249985PBS	PBS	08/22/08 1:57				.24	mg/Kg		-0.6	0.6			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	162		165.76	mg/Kg		134	190			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	162		162.32	mg/Kg		134	190	2.1	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	U	51.07	mg/Kg	102.1	75	125			
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	U	53.73	mg/Kg	107.5	75	125	5.08	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		1.9722	mg/L	98.6	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.015	0.015			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-1.5	1.5			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	69.1		68.44	mg/Kg		58.1	80.1			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	69.1		67.42	mg/Kg		58.1	80.1	1.5	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	.6	50.1	mg/Kg	99	75	125			
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	.6	52.9	mg/Kg	104.6	75	125	5.44	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		2.018	mg/L	100.9	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.03	0.03			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-3	3			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	124		130.7	mg/Kg		101	147			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	124		127.1	mg/Kg		101	147	2.8	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	3	53.9	mg/Kg	101.8	75	125			
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	3	56.6	mg/Kg	107.2	75	125	4.89	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2.002		2.002	mg/L	100	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.03	0.03			
WG249985PBS	PBS	08/22/08 1:57				1.1	mg/Kg		-3	3			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	115		117.7	mg/Kg		95.6	135			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	115		116.5	mg/Kg		95.6	135	1	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	1	51.3	mg/Kg	100.6	75	125			
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	1	53.5	mg/Kg	105	75	125	4.2	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		2.012	mg/L	100.6	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.03	0.03			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-3	3			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	66.7		71.9	mg/Kg		53.9	79.5			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	66.7		65.3	mg/Kg		53.9	79.5	9.6	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	185	289.5	mg/Kg	209	75	125			M3
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	185	282.9	mg/Kg	195.8	75	125	2.31	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250539													
WG250539ICV	ICV	08/26/08 4:40	MS080813-2	.05		.0495	mg/L	99	90	110			
WG250539ICB	ICB	08/26/08 4:46				U	mg/L		-0.0003	0.0003			
WG249985PBS	PBS	08/26/08 5:13				U	mg/Kg		-0.15	0.15			
WG249985LCSS	LCSS	08/26/08 5:19	PCN30289	223		208.15	mg/Kg		183	264			
WG249985LCSSD	LCSSD	08/26/08 5:26	PCN30289	223		210.55	mg/Kg		183	264	1.1	20	
L71009-10MS	MS	08/26/08 8:05	MS080707-3	25.25	459	609.03	mg/Kg	594.2	75	125			M3
L71009-10MSD	MSD	08/26/08 8:11	MS080707-3	25.25	459	652.965	mg/Kg	768.2	75	125	6.96	20	M3
WG250637													
WG250637ICV	ICV	08/26/08 22:04	MS080813-2	.05		.05047	mg/L	100.9	90	110			
WG250637ICB	ICB	08/26/08 22:10				U	mg/L		-0.0003	0.0003			
WG249985PBS	PBS	08/26/08 22:37				U	mg/Kg		-0.15	0.15			
WG249985LCSS	LCSS	08/26/08 22:44	PCN30289	223		227.55	mg/Kg		183	264			
WG249985LCSSD	LCSSD	08/26/08 22:50	PCN30289	223		232.2	mg/Kg		183	264	2	20	
L71009-10MS	MS	08/27/08 1:35	MS080707-3	100	477	710.2	mg/Kg	233.2	75	125			M3
L71009-10MSD	MSD	08/27/08 1:41	MS080707-3	100	477	706.6	mg/Kg	229.6	75	125	0.51	20	M3

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		2.0174	mg/L	100.9	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.015	0.015			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-1.5	1.5			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	368		396.12	mg/Kg		304	433			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	368		372.68	mg/Kg		304	433	6.1	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	78.1	157.1	mg/Kg	158	75	125			M1
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	78.1	144.91	mg/Kg	133.6	75	125	8.07	20	M1

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250055													
WG250055ICV	ICV	08/16/08 14:09	II080721-4	.01002		.00985	mg/L	98.3	90	110			
WG250055ICB	ICB	08/16/08 14:12				U	mg/L		-0.0006	0.0006			
WG250055PBS	PBS	08/16/08 14:14				U	mg/Kg		-0.09	0.09			
WG250055LCSS	LCSS	08/16/08 14:17	PCN28813	5.8		5.19	mg/Kg		3.83	7.69			
WG250055LCSSD	LCSSD	08/16/08 14:19	PCN28813	5.8		5.16	mg/Kg		3.83	7.69	0.6	20	
L70971-01MS	MS	08/16/08 14:25	II080807-2	1.015	.05	1.057	mg/Kg	99.2	85	115			
L70971-01MSD	MSD	08/16/08 14:28	II080807-2	1.015	.05	1.055	mg/Kg	99	85	115	0.19	20	

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Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		2.014	mg/L	100.7	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.03	0.03			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-3	3			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	107		112.4	mg/Kg		83.8	130			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	107		109.4	mg/Kg		83.8	130	2.7	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	18	69.3	mg/Kg	102.6	75	125			
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	18	77	mg/Kg	118	75	125	10.53	20	

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2.004		1.95	mg/L	97.3	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.03	0.03			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-3	3			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	172		173.9	mg/Kg		140	204			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	172		170.2	mg/Kg		140	204	2.2	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	49.85	U	47.8	mg/Kg	95.9	75	125			
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	49.85	U	50.4	mg/Kg	101.1	75	125	5.3	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250637													
WG250637ICV	ICV	08/26/08 22:04	MS080813-2	.05		.04996	mg/L	99.9	90	110			
WG250637ICB	ICB	08/26/08 22:10				U	mg/L		-0.0003	0.0003			
WG249985PBS	PBS	08/26/08 22:37				U	mg/Kg		-0.15	0.15			
WG249985LCSS	LCSS	08/26/08 22:44	PCN30289	147		160.65	mg/Kg		114	180			
WG249985LCSSD	LCSSD	08/26/08 22:50	PCN30289	147		164.35	mg/Kg		114	180	2.3	20	
L71009-10MS	MS	08/27/08 1:35	MS080707-3	50	U	16.14	mg/Kg	32.3	75	125			M2
L71009-10MSD	MSD	08/27/08 1:41	MS080707-3	50	U	13.75	mg/Kg	27.5	75	125	15.99	20	M2

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249778													
WG249778PBS	PBS	08/11/08 15:20				U	%		99.9	100.1			
L71009-01DUP	DUP	08/11/08 18:34			94.6	93.25	%				1.4	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250539													
WG250539ICV	ICV	08/26/08 4:40	MS080813-2	.05		.05186	mg/L	103.7	90	110			
WG250539ICB	ICB	08/26/08 4:46				U	mg/L		-0.0003	0.0003			
WG249985PBS	PBS	08/26/08 5:13				U	mg/Kg		-0.15	0.15			
WG249985LCSS	LCSS	08/26/08 5:19	PCN30289	173		163.8	mg/Kg		140	205			
WG249985LCSSD	LCSSD	08/26/08 5:26	PCN30289	173		170.4	mg/Kg		140	205	3.9	20	
L71009-10MS	MS	08/26/08 8:05	MS080707-3	25.3005	.18	24.164	mg/Kg	94.8	75	125			
L71009-10MSD	MSD	08/26/08 8:11	MS080707-3	25.3005	.18	25.503	mg/Kg	100.1	75	125	5.39	20	

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Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250539													
WG250539ICV	ICV	08/26/08 4:40	MS080813-2	.05		.05046	mg/L	100.9	90	110			
WG250539ICB	ICB	08/26/08 4:46				U	mg/L		-0.0003	0.0003			
WG249985PBS	PBS	08/26/08 5:13				U	mg/Kg		-0.15	0.15			
L71009-10MS	MS	08/26/08 8:05	MS080707-3	12.625	5.66	17.377	mg/Kg	92.8	75	125			
L71009-10MSD	MSD	08/26/08 8:11	MS080707-3	12.625	5.66	19.407	mg/Kg	108.9	75	125	11.04	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250412													
WG250412ICV	ICV	08/22/08 1:40	II080820-1	2		1.992	mg/L	99.6	90	110			
WG250412ICB	ICB	08/22/08 1:43				U	mg/L		-0.03	0.03			
WG249985PBS	PBS	08/22/08 1:57				U	mg/Kg		-3	3			
WG249985LCSS	LCSS	08/22/08 2:00	PCN30289	349		339.6	mg/Kg		280	418			
WG249985LCSSD	LCSSD	08/22/08 2:04	PCN30289	349		333.3	mg/Kg		280	418	1.9	20	
L71009-11MS	MS	08/22/08 3:33	II080811-3	50	156	249.5	mg/Kg	187	75	125			M1
L71009-11MSD	MSD	08/22/08 3:37	II080811-3	50	156	243.2	mg/Kg	174.4	75	125	2.56	20	M1

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-01	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-02	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-03	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-04	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-05	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-06	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-07	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-08	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250539	Lead, total (3050)	M6020 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-09	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250637	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-10	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250637	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250412	Zinc, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71009***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71009-11	WG250539	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250412	Barium, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Copper, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250637	Lead, total (3050)	M6020 ICP-MS	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.
	WG250412	Manganese, total (3050)	M6010B ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Molybdenum, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG250637	Selenium, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250539	Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L71009
Date Received: 8/7/2008
Received By: gac
Date Printed: 9/25/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
2267		4.7	14

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L71009
Date Received: 8/7/2008
Received By:

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
L71009-01	CS-JS-03-0-1									X		
L71009-02	CS-JS-03-1-3									X		
L71009-03	CS-JS-03-5-7									X		
L71009-04	CS-JS-03-10-12									X		
L71009-05	C-JS-04-0-1									X		
L71009-06	C-JS-04-1-3									X		
L71009-07	C-JS-04-5-7									X		
L71009-08	C-JS-04-10-12									X		
L71009-09	C-JS-04-15-16									X		
L71009-10	C-JS-05-0-1									X		
L71009-11	C-JS-05-1-3									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

ACZ Laboratories, Inc.

L971009

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI-Search
E-mail: Ned_Hall@FMI.com
Address: 6200 W. Dawson Mine Rd. P.O. Box 527, Green Valley, AZ
Telephone: (520) 648-8857

Copy of Report to:

Name: Rick-Smith@URScorp.com
Company:
E-mail: Steven_Vaughn@URScorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI
E-mail: Ned-Hall@FMI.com
Address: 6200 W. Dawson Mine Rd P.O. Box 527, Green Valley, AZ
Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 05Q7R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached 7/8/08 quote.
C-JS-03-0-1	8-5-08 : 813	SO	1	-
C-JS-03-1-3	813		1	
C-JS-03-5-7	0819		1	
C-JS-03-10-12	828		1	
C-JS-04-0-1	925		1	
C-JS-04-1-3	925		1	
C-JS-04-5-7	934		1	
C-JS-04-10-12	942		1	
C-JS-04-15-16	1033		1	
C-JS-05-0-1	1108		1	

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 810 1308 9600 8717 1

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8-5-08 1215	UPS	
			8-7-08 10:49

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

L71009

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI
E-mail: Ned-Hall@FMI.com
Address: 6200 W. Duval Mine Rd. P.O. Box 527, Green Valley, AZ
Telephone: (520) 648-8857

Copy of Report to:

Name: Nick.Smith@URSCorp.com
Company:
E-mail: Steven-Vaughn@URSCorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI
E-mail: Ned_Hall@FMI.com
Address: 6200 W Duval Mine Rd P.O. Box 527, Green, Valley, AZ
Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 053079
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached 8/8/2008 Quote								
C-JS-05-1-3	8-5-08 1108	SO	1	1								

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 810 1308 9600 8171

PAGE 2 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
A. Y S	8-5-08 1215	UPS	8-7 0810:49

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01

D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 28, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Rick Smith, Steve Vaughn

Project ID: OJ07R9
ACZ Project ID: L71011

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 07, 2008. This project has been assigned to ACZ's project number, L71011. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L71011. 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 September 28, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-04-0-1

ACZ Sample ID: ***L71011-01***
Date Sampled: *08/06/08 09:02*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/26/08 10:23	rac
Arsenic, total (3050)	M6020 ICP-MS	3.2			mg/Kg	0.3	0.5	08/26/08 10:23	rac
Barium, total (3050)	M6010B ICP	111			mg/Kg	0.3	2	08/20/08 2:28	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/27/08 0:21	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 2:28	aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 2:28	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 2:28	aeh
Copper, total (3050)	M6010B ICP	557		*	mg/Kg	1	5	08/20/08 2:28	aeh
Lead, total (3050)	M6020 ICP-MS	131			mg/Kg	0.05	0.3	08/26/08 10:23	rac
Manganese, total (3050)	M6010B ICP	375		*	mg/Kg	0.5	3	08/20/08 2:28	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:52	jws
Molybdenum, total (3050)	M6010B ICP	281		*	mg/Kg	1	5	08/20/08 2:28	aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 2:28	aeh
Selenium, total (3050)	M6020 ICP-MS	0.49			mg/Kg	0.05	0.3	08/26/08 10:23	rac
Thallium, total (3050)	M6020 ICP-MS	0.31			mg/Kg	0.05	0.3	08/26/08 10:23	rac
Uranium, total (3050)	M6020 ICP-MS	2.94		*	mg/Kg	0.05	0.3	08/26/08 10:23	rac
Zinc, total (3050)	M6010B ICP	207		*	mg/Kg	1	5	08/20/08 2:28	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.7		*	%	0.1	0.5	08/11/08 17:35	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:10	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 15:24	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:31	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-04-1-3

ACZ Sample ID: ***L71011-02***
Date Sampled: *08/06/08 09:02*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.6	B	*	mg/Kg	0.2	1	08/26/08 10:30	rac
Arsenic, total (3050)	M6020 ICP-MS	4.3			mg/Kg	0.3	0.5	08/26/08 10:30	rac
Barium, total (3050)	M6010B ICP	101			mg/Kg	0.3	2	08/20/08 2:41	aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/27/08 0:42	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 2:41	aeh
Chromium, total (3050)	M6010B ICP	17		*	mg/Kg	1	5	08/20/08 2:41	aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 2:41	aeh
Copper, total (3050)	M6010B ICP	658		*	mg/Kg	1	5	08/20/08 2:41	aeh
Lead, total (3050)	M6020 ICP-MS	18.20			mg/Kg	0.05	0.3	08/26/08 10:30	rac
Manganese, total (3050)	M6010B ICP	209		*	mg/Kg	0.5	3	08/20/08 2:41	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:54	jws
Molybdenum, total (3050)	M6010B ICP	822		*	mg/Kg	1	5	08/20/08 2:41	aeh
Nickel, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/20/08 2:41	aeh
Selenium, total (3050)	M6020 ICP-MS	0.88			mg/Kg	0.05	0.3	08/26/08 10:30	rac
Thallium, total (3050)	M6020 ICP-MS	0.19	B		mg/Kg	0.05	0.3	08/26/08 10:30	rac
Uranium, total (3050)	M6020 ICP-MS	3.42		*	mg/Kg	0.05	0.3	08/26/08 10:30	rac
Zinc, total (3050)	M6010B ICP	76		*	mg/Kg	1	5	08/20/08 2:41	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.1		*	%	0.1	0.5	08/11/08 20:45	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:12	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 16:49	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:34	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: CS-JS-04-5-7

ACZ Sample ID: ***L71011-03***
Date Sampled: *08/06/08 09:10*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/26/08 11:03	rac
Arsenic, total (3050)	M6020 ICP-MS	1.6			mg/Kg	0.3	0.5	08/26/08 11:03	rac
Barium, total (3050)	M6010B ICP	216			mg/Kg	0.3	2	08/20/08 2:45	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/27/08 0:46	aeh
Cadmium, total (3050)	M6010B ICP	1.4	B		mg/Kg	0.5	2	08/20/08 2:45	aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 2:45	aeh
Cobalt, total (3050)	M6010B ICP	14		*	mg/Kg	1	5	08/20/08 2:45	aeh
Copper, total (3050)	M6010B ICP	425		*	mg/Kg	1	5	08/20/08 2:45	aeh
Lead, total (3050)	M6020 ICP-MS	16.30			mg/Kg	0.05	0.3	08/26/08 11:03	rac
Manganese, total (3050)	M6010B ICP	495		*	mg/Kg	0.5	3	08/20/08 2:45	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 16:56	jws
Molybdenum, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 2:45	aeh
Nickel, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/20/08 2:45	aeh
Selenium, total (3050)	M6020 ICP-MS	0.10	B		mg/Kg	0.05	0.3	08/26/08 11:03	rac
Thallium, total (3050)	M6020 ICP-MS	0.40			mg/Kg	0.05	0.3	08/26/08 11:03	rac
Uranium, total (3050)	M6020 ICP-MS	3.29		*	mg/Kg	0.05	0.3	08/26/08 11:03	rac
Zinc, total (3050)	M6010B ICP	451		*	mg/Kg	1	5	08/20/08 2:45	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.1		*	%	0.1	0.5	08/11/08 22:20	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:15	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 18:14	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:37	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-X26-0-1

ACZ Sample ID: ***L71011-04***
Date Sampled: *08/06/08 10:00*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/26/08 11:09	rac
Arsenic, total (3050)	M6020 ICP-MS	3.2			mg/Kg	0.3	0.5	08/26/08 11:09	rac
Barium, total (3050)	M6010B ICP	94.8			mg/Kg	0.3	2	08/20/08 2:48	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/27/08 0:50	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 2:48	aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 2:48	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/20/08 2:48	aeh
Copper, total (3050)	M6010B ICP	1390		*	mg/Kg	1	5	08/20/08 2:48	aeh
Lead, total (3050)	M6020 ICP-MS	12.80			mg/Kg	0.05	0.3	08/26/08 11:09	rac
Manganese, total (3050)	M6010B ICP	356		*	mg/Kg	0.5	3	08/20/08 2:48	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 17:49	jws
Molybdenum, total (3050)	M6010B ICP	154		*	mg/Kg	1	5	08/20/08 2:48	aeh
Nickel, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/20/08 2:48	aeh
Selenium, total (3050)	M6020 ICP-MS	0.52			mg/Kg	0.05	0.3	08/26/08 11:09	rac
Thallium, total (3050)	M6020 ICP-MS	0.30			mg/Kg	0.05	0.3	08/26/08 11:09	rac
Uranium, total (3050)	M6020 ICP-MS	3.78		*	mg/Kg	0.05	0.3	08/26/08 11:09	rac
Zinc, total (3050)	M6010B ICP	67		*	mg/Kg	1	5	08/20/08 2:48	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.5		*	%	0.1	0.5	08/11/08 23:55	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:18	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 18:42	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:39	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-X26-1-3

ACZ Sample ID: ***L71011-05***
Date Sampled: *08/06/08 10:00*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/26/08 11:16	rac
Arsenic, total (3050)	M6020 ICP-MS	1.7			mg/Kg	0.3	0.5	08/26/08 11:16	rac
Barium, total (3050)	M6010B ICP	52.8			mg/Kg	0.3	2	08/20/08 2:59	aeh
Beryllium, total (3050)	M6010B ICP	0.2	B		mg/Kg	0.2	1	08/27/08 0:53	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 2:59	aeh
Chromium, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/20/08 2:59	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 2:59	aeh
Copper, total (3050)	M6010B ICP	424		*	mg/Kg	1	5	08/20/08 2:59	aeh
Lead, total (3050)	M6020 ICP-MS	6.02			mg/Kg	0.05	0.3	08/26/08 11:16	rac
Manganese, total (3050)	M6010B ICP	199		*	mg/Kg	0.5	3	08/20/08 2:59	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 17:56	jws
Molybdenum, total (3050)	M6010B ICP	51		*	mg/Kg	1	5	08/20/08 2:59	aeh
Nickel, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/20/08 2:59	aeh
Selenium, total (3050)	M6020 ICP-MS	0.27	B		mg/Kg	0.05	0.3	08/26/08 11:16	rac
Thallium, total (3050)	M6020 ICP-MS	0.14	B		mg/Kg	0.05	0.3	08/26/08 11:16	rac
Uranium, total (3050)	M6020 ICP-MS	2.38		*	mg/Kg	0.05	0.3	08/26/08 11:16	rac
Zinc, total (3050)	M6010B ICP	37		*	mg/Kg	1	5	08/20/08 2:59	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	98.0		*	%	0.1	0.5	08/12/08 1:30	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:21	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 19:10	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:42	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-X26-5-7

ACZ Sample ID: ***L71011-06***
Date Sampled: *08/06/08 10:06*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.5	B	*	mg/Kg	0.2	1	08/26/08 11:23	rac
Arsenic, total (3050)	M6020 ICP-MS	4.5			mg/Kg	0.3	0.5	08/26/08 11:23	rac
Barium, total (3050)	M6010B ICP	101			mg/Kg	0.3	2	08/20/08 3:02	aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/27/08 0:57	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 3:02	aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/20/08 3:02	aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 3:02	aeh
Copper, total (3050)	M6010B ICP	1030		*	mg/Kg	1	5	08/20/08 3:02	aeh
Lead, total (3050)	M6020 ICP-MS	75.20			mg/Kg	0.05	0.3	08/26/08 11:23	rac
Manganese, total (3050)	M6010B ICP	232		*	mg/Kg	0.5	3	08/20/08 3:02	aeh
Mercury, total	M7471A CVAA	0.06	B		mg/Kg	0.04	0.2	08/16/08 17:58	jws
Molybdenum, total (3050)	M6010B ICP	307		*	mg/Kg	1	5	08/20/08 3:02	aeh
Nickel, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/20/08 3:02	aeh
Selenium, total (3050)	M6020 ICP-MS	0.63			mg/Kg	0.05	0.3	08/26/08 11:23	rac
Thallium, total (3050)	M6020 ICP-MS	0.24	B		mg/Kg	0.05	0.3	08/26/08 11:23	rac
Uranium, total (3050)	M6020 ICP-MS	5.86		*	mg/Kg	0.05	0.3	08/26/08 11:23	rac
Zinc, total (3050)	M6010B ICP	77		*	mg/Kg	1	5	08/20/08 3:02	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.3		*	%	0.1	0.5	08/12/08 3:05	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:23	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 19:38	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:45	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-U25-0-1

ACZ Sample ID: ***L71011-07***
Date Sampled: *08/06/08 10:59*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/26/08 11:29	rac
Arsenic, total (3050)	M6020 ICP-MS	3.2			mg/Kg	0.3	0.5	08/26/08 11:29	rac
Barium, total (3050)	M6010B ICP	265			mg/Kg	0.3	2	08/20/08 3:06	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/27/08 1:01	aeh
Cadmium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.5	2	08/20/08 3:06	aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 3:06	aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/20/08 3:06	aeh
Copper, total (3050)	M6010B ICP	728		*	mg/Kg	1	5	08/20/08 3:06	aeh
Lead, total (3050)	M6020 ICP-MS	100			mg/Kg	0.05	0.3	08/26/08 11:29	rac
Manganese, total (3050)	M6010B ICP	398		*	mg/Kg	0.5	3	08/20/08 3:06	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:01	jws
Molybdenum, total (3050)	M6010B ICP	113		*	mg/Kg	1	5	08/20/08 3:06	aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 3:06	aeh
Selenium, total (3050)	M6020 ICP-MS	0.32			mg/Kg	0.05	0.3	08/26/08 11:29	rac
Thallium, total (3050)	M6020 ICP-MS	0.25	B		mg/Kg	0.05	0.3	08/26/08 11:29	rac
Uranium, total (3050)	M6020 ICP-MS	3.65		*	mg/Kg	0.05	0.3	08/26/08 11:29	rac
Zinc, total (3050)	M6010B ICP	234		*	mg/Kg	1	5	08/20/08 3:06	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.2		*	%	0.1	0.5	08/12/08 4:40	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:26	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 20:07	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:48	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-U25-1-3

ACZ Sample ID: ***L71011-08***
Date Sampled: *08/06/08 10:59*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/26/08 11:36	rac
Arsenic, total (3050)	M6020 ICP-MS	4.6			mg/Kg	0.3	0.5	08/26/08 11:36	rac
Barium, total (3050)	M6010B ICP	156			mg/Kg	0.3	2	08/20/08 3:09	aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/27/08 1:04	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 3:09	aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/20/08 3:09	aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/20/08 3:09	aeh
Copper, total (3050)	M6010B ICP	1210		*	mg/Kg	1	5	08/20/08 3:09	aeh
Lead, total (3050)	M6020 ICP-MS	136			mg/Kg	0.05	0.3	08/26/08 11:36	rac
Manganese, total (3050)	M6010B ICP	366		*	mg/Kg	0.5	3	08/20/08 3:09	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:03	jws
Molybdenum, total (3050)	M6010B ICP	292		*	mg/Kg	1	5	08/20/08 3:09	aeh
Nickel, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 3:09	aeh
Selenium, total (3050)	M6020 ICP-MS	0.72			mg/Kg	0.05	0.3	08/26/08 11:36	rac
Thallium, total (3050)	M6020 ICP-MS	0.23	B		mg/Kg	0.05	0.3	08/26/08 11:36	rac
Uranium, total (3050)	M6020 ICP-MS	3.89		*	mg/Kg	0.05	0.3	08/26/08 11:36	rac
Zinc, total (3050)	M6010B ICP	233		*	mg/Kg	1	5	08/20/08 3:09	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.5		*	%	0.1	0.5	08/12/08 6:15	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:29	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 20:35	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:51	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-U25-5-5.5

ACZ Sample ID: ***L71011-09***
Date Sampled: *08/06/08 11:03*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/26/08 11:42	rac
Arsenic, total (3050)	M6020 ICP-MS	8.6			mg/Kg	0.3	0.5	08/26/08 11:42	rac
Barium, total (3050)	M6010B ICP	88.7			mg/Kg	0.3	2	08/20/08 3:12	aeh
Beryllium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.2	1	08/27/08 1:08	aeh
Cadmium, total (3050)	M6010B ICP	0.6	B		mg/Kg	0.5	2	08/20/08 3:12	aeh
Chromium, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/20/08 3:12	aeh
Cobalt, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/20/08 3:12	aeh
Copper, total (3050)	M6010B ICP	204		*	mg/Kg	1	5	08/20/08 3:12	aeh
Lead, total (3050)	M6020 ICP-MS	433		*	mg/Kg	0.1	0.5	08/27/08 2:27	rac
Manganese, total (3050)	M6010B ICP	693		*	mg/Kg	0.5	3	08/20/08 3:12	aeh
Mercury, total	M7471A CVAA	0.05	B		mg/Kg	0.04	0.2	08/16/08 18:12	jws
Molybdenum, total (3050)	M6010B ICP	57		*	mg/Kg	1	5	08/20/08 3:12	aeh
Nickel, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 3:12	aeh
Selenium, total (3050)	M6020 ICP-MS	0.26	B		mg/Kg	0.05	0.3	08/26/08 11:42	rac
Thallium, total (3050)	M6020 ICP-MS	0.15	B		mg/Kg	0.05	0.3	08/26/08 11:42	rac
Uranium, total (3050)	M6020 ICP-MS	14.10		*	mg/Kg	0.05	0.3	08/26/08 11:42	rac
Zinc, total (3050)	M6010B ICP	971		*	mg/Kg	1	5	08/20/08 3:12	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.8		*	%	0.1	0.5	08/12/08 7:50	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:32	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 21:03	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:54	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-N29-0-1

ACZ Sample ID: ***L71011-10***
Date Sampled: *08/06/08 13:09*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/26/08 11:49	rac
Arsenic, total (3050)	M6020 ICP-MS	5.2			mg/Kg	0.3	0.5	08/26/08 11:49	rac
Barium, total (3050)	M6010B ICP	56.0			mg/Kg	0.3	2	08/20/08 3:16	aeh
Beryllium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.2	1	08/27/08 1:12	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 3:16	aeh
Chromium, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/20/08 3:16	aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 3:16	aeh
Copper, total (3050)	M6010B ICP	495		*	mg/Kg	1	5	08/20/08 3:16	aeh
Lead, total (3050)	M6020 ICP-MS	25.80			mg/Kg	0.05	0.3	08/26/08 11:49	rac
Manganese, total (3050)	M6010B ICP	194		*	mg/Kg	0.5	3	08/20/08 3:16	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:14	jws
Molybdenum, total (3050)	M6010B ICP	124		*	mg/Kg	1	5	08/20/08 3:16	aeh
Nickel, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/20/08 3:16	aeh
Selenium, total (3050)	M6020 ICP-MS	0.50			mg/Kg	0.05	0.3	08/26/08 11:49	rac
Thallium, total (3050)	M6020 ICP-MS	0.13	B		mg/Kg	0.05	0.3	08/26/08 11:49	rac
Uranium, total (3050)	M6020 ICP-MS	1.96		*	mg/Kg	0.05	0.3	08/26/08 11:49	rac
Zinc, total (3050)	M6010B ICP	78		*	mg/Kg	1	5	08/20/08 3:16	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.8		*	%	0.1	0.5	08/12/08 9:25	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:34	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 21:31	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:57	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-N29-1-3

ACZ Sample ID: ***L71011-11***
Date Sampled: *08/06/08 13:09*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.6	B	*	mg/Kg	0.2	1	08/26/08 11:56	rac
Arsenic, total (3050)	M6020 ICP-MS	7.5			mg/Kg	0.3	0.5	08/26/08 11:56	rac
Barium, total (3050)	M6010B ICP	65.9			mg/Kg	0.3	2	08/20/08 3:19	aeh
Beryllium, total (3050)	M6010B ICP	1.1			mg/Kg	0.2	1	08/27/08 1:15	aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/20/08 3:19	aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/20/08 3:19	aeh
Cobalt, total (3050)	M6010B ICP	17		*	mg/Kg	1	5	08/20/08 3:19	aeh
Copper, total (3050)	M6010B ICP	805		*	mg/Kg	1	5	08/20/08 3:19	aeh
Lead, total (3050)	M6020 ICP-MS	41.80			mg/Kg	0.05	0.3	08/26/08 11:56	rac
Manganese, total (3050)	M6010B ICP	429		*	mg/Kg	0.5	3	08/20/08 3:19	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:17	jws
Molybdenum, total (3050)	M6010B ICP	94		*	mg/Kg	1	5	08/20/08 3:19	aeh
Nickel, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/20/08 3:19	aeh
Selenium, total (3050)	M6020 ICP-MS	0.79			mg/Kg	0.05	0.3	08/26/08 11:56	rac
Thallium, total (3050)	M6020 ICP-MS	0.13	B		mg/Kg	0.05	0.3	08/26/08 11:56	rac
Uranium, total (3050)	M6020 ICP-MS	2.70		*	mg/Kg	0.05	0.3	08/26/08 11:56	rac
Zinc, total (3050)	M6010B ICP	59		*	mg/Kg	1	5	08/20/08 3:19	aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.3		*	%	0.1	0.5	08/12/08 11:00	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/11/08 14:37	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/14/08 21:59	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/13/08 21:59	brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71011***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250541													
WG250541ICV	ICV	08/26/08 9:30	MS080813-2	.02006		.02042	mg/L	101.8	90	110			
WG250541ICB	ICB	08/26/08 9:37				U	mg/L		-0.0012	0.0012			
WG249986PBS	PBS	08/26/08 10:03				U	mg/Kg		-0.6	0.6			
WG249986LCSS	LCSS	08/26/08 10:10	PCN30289	126		93	mg/Kg		63.3	189			
WG249986LCSSD	LCSSD	08/26/08 10:17	PCN30289	126		85	mg/Kg		63.3	189	9	20	
L71011-02MS	MS	08/26/08 10:36	MS080707-3	5	.6	2.57	mg/Kg	39.4	75	125			M2
L71011-02MSD	MSD	08/26/08 10:43	MS080707-3	5	.6	2.59	mg/Kg	39.8	75	125	0.78	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250541													
WG250541ICV	ICV	08/26/08 9:30	MS080813-2	.05		.05089	mg/L	101.8	90	110			
WG250541ICB	ICB	08/26/08 9:37				U	mg/L		-0.0015	0.0015			
WG249986PBS	PBS	08/26/08 10:03				U	mg/Kg		-0.9	0.9			
WG249986LCSS	LCSS	08/26/08 10:10	PCN30289	225		230.1	mg/Kg		181	270			
WG249986LCSSD	LCSSD	08/26/08 10:17	PCN30289	225		205	mg/Kg		181	270	11.5	20	
L71011-02MS	MS	08/26/08 10:36	MS080707-3	25	4.3	25.89	mg/Kg	86.4	75	125			
L71011-02MSD	MSD	08/26/08 10:43	MS080707-3	25	4.3	26.05	mg/Kg	87	75	125	0.62	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		2.0418	mg/L	102.1	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.009	0.009			
WG249986PBS	PBS	08/20/08 2:17				.52	mg/Kg		-0.9	0.9			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	565		549.68	mg/Kg		461	669			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	565		497.22	mg/Kg		461	669	10	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	111	165.21	mg/Kg	108.4	75	125			
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	111	164.95	mg/Kg	107.9	75	125	0.16	20	

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250308													
WG250308ICV	ICV	08/26/08 23:52	II080717-1	2		1.9873	mg/L	99.4	90	110			
WG250308ICB	ICB	08/26/08 23:55				U	mg/L		-0.006	0.006			
WG249986PBS	PBS	08/27/08 0:10				U	mg/Kg		-0.6	0.6			
WG249986LCSS	LCSS	08/27/08 0:13	PCN30289	162		156.62	mg/Kg		134	190			
WG249986LCSSD	LCSSD	08/27/08 0:17	PCN30289	162		167.15	mg/Kg		134	190	6.5	20	
L71011-01MS	MS	08/27/08 0:28	II080811-3	50	.4	47.52	mg/Kg	94.2	75	125			
L71011-01MSD	MSD	08/27/08 0:32	II080811-3	50	.4	47.61	mg/Kg	94.4	75	125	0.19	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71011***

Project ID: OJ07R9

Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.9062	mg/L	95.3	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.015	0.015			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-1.5	1.5			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	69.1		72.46	mg/Kg		58.1	80.1			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	69.1		66.33	mg/Kg		58.1	80.1	8.8	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	U	49.46	mg/Kg	98.9	75	125			
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	U	49.27	mg/Kg	98.5	75	125	0.38	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.924	mg/L	96.2	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.03	0.03			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-3	3			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	124		130.9	mg/Kg		101	147			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	124		120.3	mg/Kg		101	147	8.4	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	7	56.6	mg/Kg	99.2	75	125			
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	7	56.2	mg/Kg	98.4	75	125	0.71	20	

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.889	mg/L	94.5	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.03	0.03			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-3	3			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	115		124.4	mg/Kg		95.6	135			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	115		114.9	mg/Kg		95.6	135	7.9	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	8	57.9	mg/Kg	99.8	75	125			
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	8	57.4	mg/Kg	98.8	75	125	0.87	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.989	mg/L	99.5	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.03	0.03			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-3	3			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	66.7		69.8	mg/Kg		53.9	79.5			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	66.7		62.8	mg/Kg		53.9	79.5	10.6	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	557	632.5	mg/Kg	151	75	125			M3
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	557	532.1	mg/Kg	-49.8	75	125	17.24	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71011***

Project ID: OJ07R9

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250541													
WG250541ICV	ICV	08/26/08 9:30	MS080813-2	.05		.04955	mg/L	99.1	90	110			
WG250541ICB	ICB	08/26/08 9:37				U	mg/L		-0.0003	0.0003			
WG249986PBS	PBS	08/26/08 10:03				U	mg/Kg		-0.15	0.15			
WG249986LCSS	LCSS	08/26/08 10:10	PCN30289	223		220.55	mg/Kg		183	264			
WG249986LCSSD	LCSSD	08/26/08 10:17	PCN30289	223		200.5	mg/Kg		183	264	9.5	20	
L71011-02MS	MS	08/26/08 10:36	MS080707-3	25	18.2	39.71	mg/Kg	86	75	125			
L71011-02MSD	MSD	08/26/08 10:43	MS080707-3	25	18.2	39.1	mg/Kg	83.6	75	125	1.55	20	
WG250637													
WG250637ICV	ICV	08/26/08 22:04	MS080813-2	.05		.05047	mg/L	100.9	90	110			
WG250637ICB	ICB	08/26/08 22:10				U	mg/L		-0.0003	0.0003			
L71009-10MS	MS	08/27/08 1:35	MS080707-3	100	477	710.2	mg/Kg	233.2	75	125			M3
L71009-10MSD	MSD	08/27/08 1:41	MS080707-3	100	477	706.6	mg/Kg	229.6	75	125	0.51	20	M3
WG249986PBS	PBS	08/27/08 1:54				.108	mg/Kg		-0.15	0.15			
WG249986LCSS	LCSS	08/27/08 2:14	PCN30289	223		235.85	mg/Kg		183	264			
WG249986LCSSD	LCSSD	08/27/08 2:21	PCN30289	223		214.5	mg/Kg		183	264	9.5	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		2.0489	mg/L	102.4	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.015	0.015			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-1.5	1.5			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	368		408.98	mg/Kg		304	433			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	368		381.03	mg/Kg		304	433	7.1	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	375	443.9	mg/Kg	137.8	75	125			M3
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	375	450.19	mg/Kg	150.4	75	125	1.41	20	M3

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250055													
WG250055ICV	ICV	08/16/08 14:09	II080721-4	.01002		.00985	mg/L	98.3	90	110			
WG250055ICB	ICB	08/16/08 14:12				U	mg/L		-0.0006	0.0006			
WG250059													
WG250059PBS	PBS	08/16/08 15:52				U	mg/Kg		-0.09	0.09			
WG250059LCSS	LCSS	08/16/08 15:54	PCN28813	5.8		5.04	mg/Kg		3.83	7.69			
WG250059LCSSD	LCSSD	08/16/08 15:57	PCN28813	5.8		5.05	mg/Kg		3.83	7.69	0.2	20	
L70948-09MS	MS	08/16/08 16:01	II080807-2	.965	.04	.961	mg/Kg	95.4	85	115			
L70948-09MSD	MSD	08/16/08 16:03	II080807-2	.97	.04	.979	mg/Kg	96.8	85	115	1.86	20	
WG250061													
WG250061PBS	PBS	08/16/08 17:43				U	mg/Kg		-0.12	0.12			
WG250061LCSS	LCSS	08/16/08 17:45	PCN28813	5.8		5.28	mg/Kg		3.83	7.69			
WG250061LCSSD	LCSSD	08/16/08 17:47	PCN28813	5.8		5.36	mg/Kg		3.83	7.69	1.5	20	
L71011-04MS	MS	08/16/08 17:51	II080807-2	.98	U	.981	mg/Kg	100.1	85	115			
L71011-04MSD	MSD	08/16/08 17:54	II080807-2	.99	U	.967	mg/Kg	97.7	85	115	1.44	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71011***

Project ID: OJ07R9

Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.943	mg/L	97.2	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.03	0.03			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-3	3			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	107		118.1	mg/Kg		83.8	130			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	107		107	mg/Kg		83.8	130	9.9	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	281	280.4	mg/Kg	-1.2	75	125			M3
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	281	256.7	mg/Kg	-48.6	75	125	8.83	20	M3

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.897	mg/L	94.9	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.03	0.03			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-3	3			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	172		184.3	mg/Kg		140	204			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	172		170.4	mg/Kg		140	204	7.8	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	49.85	6	55.5	mg/Kg	99.3	75	125			
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	49.85	6	54.6	mg/Kg	97.5	75	125	1.63	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250541													
WG250541ICV	ICV	08/26/08 9:30	MS080813-2	.05		.04962	mg/L	99.2	90	110			
WG250541ICB	ICB	08/26/08 9:37				U	mg/L		-0.0003	0.0003			
WG249986PBS	PBS	08/26/08 10:03				U	mg/Kg		-0.15	0.15			
WG249986LCSS	LCSS	08/26/08 10:10	PCN30289	147		153.05	mg/Kg		114	180			
WG249986LCSSD	LCSSD	08/26/08 10:17	PCN30289	147		135.9	mg/Kg		114	180	11.9	20	
L71011-02MS	MS	08/26/08 10:36	MS080707-3	12.5	.88	11.685	mg/Kg	86.4	75	125			
L71011-02MSD	MSD	08/26/08 10:43	MS080707-3	12.5	.88	11.825	mg/Kg	87.6	75	125	1.19	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249783													
WG249783PBS	PBS	08/11/08 16:00				U	%		99.9	100.1			
L71011-01DUP	DUP	08/11/08 19:10			90.7	92.33	%				1.8	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250541													
WG250541ICV	ICV	08/26/08 9:30	MS080813-2	.05		.05128	mg/L	102.6	90	110			
WG250541ICB	ICB	08/26/08 9:37				U	mg/L		-0.0003	0.0003			
WG249986PBS	PBS	08/26/08 10:03				U	mg/Kg		-0.15	0.15			
WG249986LCSS	LCSS	08/26/08 10:10	PCN30289	173		172.25	mg/Kg		140	205			
WG249986LCSSD	LCSSD	08/26/08 10:17	PCN30289	173		157.7	mg/Kg		140	205	8.8	20	
L71011-02MS	MS	08/26/08 10:36	MS080707-3	25.05	.19	22.585	mg/Kg	89.4	75	125			
L71011-02MSD	MSD	08/26/08 10:43	MS080707-3	25.05	.19	23.105	mg/Kg	91.5	75	125	2.28	20	

FMI Gold & Copper - Sierrita
Project ID: OJ07R9

ACZ Project ID: ***L71011***

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250541													
WG250541ICV	ICV	08/26/08 9:30	MS080813-2	.05		.05001	mg/L	100	90	110			
WG250541ICB	ICB	08/26/08 9:37				U	mg/L		-0.0003	0.0003			
WG249986PBS	PBS	08/26/08 10:03				U	mg/Kg		-0.15	0.15			
L71011-02MS	MS	08/26/08 10:36	MS080707-3	12.5	3.42	16.51	mg/Kg	104.7	75	125			
L71011-02MSD	MSD	08/26/08 10:43	MS080707-3	12.5	3.42	15.8	mg/Kg	99	75	125	4.39	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250249													
WG250249ICV	ICV	08/20/08 2:00	II080717-1	2		1.989	mg/L	99.5	90	110			
WG250249ICB	ICB	08/20/08 2:03				U	mg/L		-0.03	0.03			
WG249986PBS	PBS	08/20/08 2:17				U	mg/Kg		-3	3			
WG249986LCSS	LCSS	08/20/08 2:21	PCN30289	349		369.2	mg/Kg		280	418			
WG249986LCSSD	LCSSD	08/20/08 2:24	PCN30289	349		335.8	mg/Kg		280	418	9.5	20	
L71011-01MS	MS	08/20/08 2:35	II080811-3	50	207	258.1	mg/Kg	102.2	75	125			
L71011-01MSD	MSD	08/20/08 2:38	II080811-3	50	207	286.3	mg/Kg	158.6	75	125	10.36	20	M3

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71011***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71011-01	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L71011-02	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71011-03	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L71011-04	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71011-05	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L71011-06	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71011-07	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L71011-08	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71011-09	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250637	Lead, total (3050)	M6020 ICP-MS	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.
	WG250249	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L71011-10	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71011***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71011-11	WG250541	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG250249	Chromium, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
		Nickel, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	M6010B ICP	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.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.	
Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.	
Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L71011
Date Received: 8/7/2008
Received By:
Date Printed: 8/7/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1670	3.8	15

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L71011
Date Received: 8/7/2008
Received By:

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
L71011-01	CS-JS-04-0-1									X		
L71011-02	CS-JS-04-1-3									X		
L71011-03	CS-JS-04-5-7									X		
L71011-04	EM-X26-0-1									X		
L71011-05	EM-X26-1-3									X		
L71011-06	EM-X26-5-7									X		
L71011-07	EM-U25-0-1									X		
L71011-08	EM-U25-1-3									X		
L71011-09	EM-U25-5-5.5									X		
L71011-10	EM-N29-0-1									X		
L71011-11	EM-N29-1-3									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: _____

ACZ Laboratories, Inc.

L7101 1

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI-Sierrita
E-mail: Ned-Hall @ FMI.com
Address: 6200 W. Duval Mine Rd P.O Box 527, Green Valley, AZ
Telephone: 520-648-8857

Copy of Report to:

Name: Rich-Smith @ urscorp.com
Company:
E-mail: Steven-Vaughn @ URSCorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI-Sierrita
E-mail: Ned-Hall @ FMI.com
Address: 6200 W. Duval Mine Rd P.O. Box 527, Green Valley, AZ
Telephone: 520-648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 0J07R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See attached 7/8/08 Quote
CS-JS-04-0-1	8-6-08 902	SO	1	1
CS-JS-04-1-3	8-6-08 902	1	1	1
CS-JS-04-5-7	8-6-08 910	1	1	1
EM-X26-0-1	8-6-08 1000	1	1	1
EM-X26-1-3	8-6-08 1000	1	1	1
EM-X26-5-7	8-6-08 1006	1	1	1
EM-U25-0-1	8-6-08 1059	1	1	1
EM-U25-1-3	8-6-08 1059	1	1	1
EM-U25-5-5.5	8-6-08 1103	1	1	1
EM-N29-0-1	8-6-08 1305	1	1	1

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

REMARKS/ SAMPLE DISCLOSURES

UPS# 1Z 810 130 89 6008 7153

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8-6-08 1440	UPS	8/7/08 1051

ACZ Laboratories, Inc. L74011

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: EMF-Sierrita
E-mail: Ned_Hall@EMF.com

Address: 6200 W. Duval Mine Rd, P.O. Box 527, Green Valley, AZ
Telephone: 520-648-8857

Copy of Report to:

Name: Rick-Smith@urscorp.com
Company:

E-mail: Steven_Vaughn@urscorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: EMF-Sierrita
E-mail: Ned_Hall@EMF.com

Address: 6200 W. Duval Mine Rd. Green Valley, AZ P.O. Box
Telephone: 520/648-8857

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.

PROJECT INFORMATION

Quote #:
Project/PO #: 05078R9
Reporting state for compliance testing:
Sampler's Name: Amanda Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached Quote 7/8/08							
EM-N29-1-3	8-6-08 1305	SO	1	1							

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

REMARKS/ SAMPLE DISCLOSURES

UPS # 1Z 810130846008 7153

PAGE 2 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8-6-08 1440	UPS	8/7/08 10:51

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable.
Method detection limits are estimates and may be elevated depending on sample matrix.

REPAD.09.06.05.01 D/ 21 P/

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

September 08, 2008

Report to:
Ned Hall
FMI Gold & Copper - Sierrita
P.O. Box 527 6200 W. Duval Mine Rd.
Green Valley, AZ 85622-0527

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Steve Vaughn, Rick Smith

Project ID: OJ07R9
ACZ Project ID: L71041

Ned Hall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 08, 2008. This project has been assigned to ACZ's project number, L71041. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L71041. 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 October 08, 2008. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

September 08, 2008

Project ID: OJ07R9
ACZ Project ID: L71041

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 15 soil samples from FMI Gold & Copper - Sierrita on August 8, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L71041. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Some of the Lead data has been qualified with the N1 flag on the extended qualifier report. The chemist noted that the associated ICSA sample failed at 0.00096 mg/L. All samples are greater than 10x this level and not impacted.

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-G27-0-1

ACZ Sample ID: ***L71041-01***
Date Sampled: *08/07/08 08:18*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	08/29/08 2:10	msh
Arsenic, total (3050)	M6020 ICP-MS	3.5		*	mg/Kg	0.3	0.5	08/29/08 2:10	msh
Barium, total (3050)	M6010B ICP	81.2			mg/Kg	0.3	2	08/27/08 4:09	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/27/08 4:09	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:09	ear/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/27/08 4:09	ear/aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/27/08 4:09	ear/aeh
Copper, total (3050)	M6010B ICP	2750		*	mg/Kg	1	5	08/27/08 4:09	ear/aeh
Lead, total (3050)	M6020 ICP-MS	30.90		*	mg/Kg	0.05	0.3	08/29/08 2:10	msh
Manganese, total (3050)	M6010B ICP	233		*	mg/Kg	0.5	3	08/27/08 4:09	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:39	jws
Molybdenum, total (3050)	M6010B ICP	403		*	mg/Kg	1	5	08/27/08 4:09	ear/aeh
Nickel, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	08/27/08 4:09	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.80		*	mg/Kg	0.05	0.3	08/29/08 2:10	msh
Thallium, total (3050)	M6020 ICP-MS	0.20	B	*	mg/Kg	0.05	0.3	08/29/08 2:10	msh
Uranium, total (3050)	M6020 ICP-MS	2.80		*	mg/Kg	0.05	0.3	08/29/08 2:10	msh
Zinc, total (3050)	M6010B ICP	90		*	mg/Kg	1	5	08/27/08 4:09	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.4		*	%	0.1	0.5	08/12/08 19:44	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 18:51	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/21/08 23:34	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/20/08 23:00	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-G27-1-3

ACZ Sample ID: ***L71041-02***
Date Sampled: *08/07/08 08:18*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 2:23	msh
Arsenic, total (3050)	M6020 ICP-MS	1.2		*	mg/Kg	0.3	0.5	08/29/08 2:23	msh
Barium, total (3050)	M6010B ICP	126			mg/Kg	0.3	2	08/27/08 4:31	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/27/08 4:31	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:31	ear/aeh
Chromium, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/27/08 4:31	ear/aeh
Cobalt, total (3050)	M6010B ICP	11		*	mg/Kg	1	5	08/27/08 4:31	ear/aeh
Copper, total (3050)	M6010B ICP	933		*	mg/Kg	1	5	08/27/08 4:31	ear/aeh
Lead, total (3050)	M6020 ICP-MS	3.92			mg/Kg	0.05	0.3	09/02/08 19:32	msh
Manganese, total (3050)	M6010B ICP	399		*	mg/Kg	0.5	3	08/27/08 4:31	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:41	jws
Molybdenum, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/27/08 4:31	ear/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/27/08 4:31	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.07	B	*	mg/Kg	0.05	0.3	08/29/08 2:23	msh
Thallium, total (3050)	M6020 ICP-MS	0.29	B	*	mg/Kg	0.05	0.3	08/29/08 2:23	msh
Uranium, total (3050)	M6020 ICP-MS	3.70		*	mg/Kg	0.05	0.3	08/29/08 2:23	msh
Zinc, total (3050)	M6010B ICP	57		*	mg/Kg	1	5	08/27/08 4:31	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.1		*	%	0.1	0.5	08/12/08 21:42	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 18:57	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 2:08	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/20/08 23:57	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-04-0-1

ACZ Sample ID: ***L71041-03***
Date Sampled: *08/07/08 08:40*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 2:55	msh
Arsenic, total (3050)	M6020 ICP-MS	1.4		*	mg/Kg	0.3	0.5	08/29/08 2:55	msh
Barium, total (3050)	M6010B ICP	121			mg/Kg	0.3	2	08/27/08 4:35	ear/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/27/08 4:35	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:35	ear/aeh
Chromium, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/27/08 4:35	ear/aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/27/08 4:35	ear/aeh
Copper, total (3050)	M6010B ICP	201		*	mg/Kg	1	5	08/27/08 4:35	ear/aeh
Lead, total (3050)	M6020 ICP-MS	10.80		*	mg/Kg	0.05	0.3	08/29/08 2:55	msh
Manganese, total (3050)	M6010B ICP	232		*	mg/Kg	0.5	3	08/27/08 4:35	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:43	jws
Molybdenum, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/27/08 4:35	ear/aeh
Nickel, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	08/27/08 4:35	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.09	B	*	mg/Kg	0.05	0.3	08/29/08 2:55	msh
Thallium, total (3050)	M6020 ICP-MS	0.34		*	mg/Kg	0.05	0.3	08/29/08 2:55	msh
Uranium, total (3050)	M6020 ICP-MS	2.75		*	mg/Kg	0.05	0.3	08/29/08 2:55	msh
Zinc, total (3050)	M6010B ICP	60		*	mg/Kg	1	5	08/27/08 4:35	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.0		*	%	0.1	0.5	08/12/08 22:41	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:03	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 4:42	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 0:55	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-04-1-2.5

ACZ Sample ID: ***L71041-04***
Date Sampled: *08/07/08 08:40*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 3:01	msh
Arsenic, total (3050)	M6020 ICP-MS	1.0		*	mg/Kg	0.3	0.5	08/29/08 3:01	msh
Barium, total (3050)	M6010B ICP	98.9			mg/Kg	0.3	2	08/27/08 4:38	ear/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/27/08 4:38	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:38	ear/aeh
Chromium, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/27/08 4:38	ear/aeh
Cobalt, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/27/08 4:38	ear/aeh
Copper, total (3050)	M6010B ICP	136		*	mg/Kg	1	5	08/27/08 4:38	ear/aeh
Lead, total (3050)	M6020 ICP-MS	3.00			mg/Kg	0.05	0.3	09/02/08 19:40	msh
Manganese, total (3050)	M6010B ICP	220		*	mg/Kg	0.5	3	08/27/08 4:38	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:45	jws
Molybdenum, total (3050)	M6010B ICP		U	*	mg/Kg	1	5	08/27/08 4:38	ear/aeh
Nickel, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	08/27/08 4:38	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.06	B	*	mg/Kg	0.05	0.3	08/29/08 3:01	msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/29/08 3:01	msh
Uranium, total (3050)	M6020 ICP-MS	3.40		*	mg/Kg	0.05	0.3	08/29/08 3:01	msh
Zinc, total (3050)	M6010B ICP	51		*	mg/Kg	1	5	08/27/08 4:38	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.5		*	%	0.1	0.5	08/12/08 23:40	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:09	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 5:34	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 1:53	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-03-0-1

ACZ Sample ID: ***L71041-05***
Date Sampled: *08/07/08 09:17*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 3:07	msh
Arsenic, total (3050)	M6020 ICP-MS	1.7		*	mg/Kg	0.3	0.5	08/29/08 3:07	msh
Barium, total (3050)	M6010B ICP	163			mg/Kg	0.3	2	08/27/08 4:42	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.3	B		mg/Kg	0.2	1	08/27/08 4:42	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:42	ear/aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/27/08 4:42	ear/aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/27/08 4:42	ear/aeh
Copper, total (3050)	M6010B ICP	113		*	mg/Kg	1	5	08/27/08 4:42	ear/aeh
Lead, total (3050)	M6020 ICP-MS	4.99		*	mg/Kg	0.05	0.3	08/29/08 3:07	msh
Manganese, total (3050)	M6010B ICP	239		*	mg/Kg	0.5	3	08/27/08 4:42	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 18:48	jws
Molybdenum, total (3050)	M6010B ICP	26		*	mg/Kg	1	5	08/27/08 4:42	ear/aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/27/08 4:42	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.13	B	*	mg/Kg	0.05	0.3	08/29/08 3:07	msh
Thallium, total (3050)	M6020 ICP-MS	0.32		*	mg/Kg	0.05	0.3	08/29/08 3:07	msh
Uranium, total (3050)	M6020 ICP-MS	3.70		*	mg/Kg	0.05	0.3	08/29/08 3:07	msh
Zinc, total (3050)	M6010B ICP	75		*	mg/Kg	1	5	08/27/08 4:42	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	86.6		*	%	0.1	0.5	08/13/08 0:39	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:15	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 6:25	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 2:51	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-03-1-3

ACZ Sample ID: ***L71041-06***
Date Sampled: *08/07/08 09:17*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 3:14	msh
Arsenic, total (3050)	M6020 ICP-MS	1.1		*	mg/Kg	0.3	0.5	08/29/08 3:14	msh
Barium, total (3050)	M6010B ICP	127			mg/Kg	0.3	2	08/27/08 4:46	ear/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/27/08 4:46	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:46	ear/aeh
Chromium, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/27/08 4:46	ear/aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/27/08 4:46	ear/aeh
Copper, total (3050)	M6010B ICP	62		*	mg/Kg	1	5	08/27/08 4:46	ear/aeh
Lead, total (3050)	M6020 ICP-MS	2.81			mg/Kg	0.05	0.3	09/02/08 19:41	msh
Manganese, total (3050)	M6010B ICP	228		*	mg/Kg	0.5	3	08/27/08 4:46	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:23	jws
Molybdenum, total (3050)	M6010B ICP	12		*	mg/Kg	1	5	08/27/08 4:46	ear/aeh
Nickel, total (3050)	M6010B ICP	6			mg/Kg	1	5	08/27/08 4:46	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.05	B	*	mg/Kg	0.05	0.3	08/29/08 3:14	msh
Thallium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	08/29/08 3:14	msh
Uranium, total (3050)	M6020 ICP-MS	3.33		*	mg/Kg	0.05	0.3	08/29/08 3:14	msh
Zinc, total (3050)	M6010B ICP	63		*	mg/Kg	1	5	08/27/08 4:46	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.4		*	%	0.1	0.5	08/13/08 1:38	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:21	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 7:17	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 3:49	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-05-0-1

ACZ Sample ID: ***L71041-07***
Date Sampled: *08/07/08 09:46*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	08/29/08 3:20	msh
Arsenic, total (3050)	M6020 ICP-MS	5.2		*	mg/Kg	0.3	0.5	08/29/08 3:20	msh
Barium, total (3050)	M6010B ICP	52.2			mg/Kg	0.3	2	08/27/08 4:49	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/27/08 4:49	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:49	ear/aeh
Chromium, total (3050)	M6010B ICP	2	B	*	mg/Kg	1	5	08/27/08 4:49	ear/aeh
Cobalt, total (3050)	M6010B ICP	4	B	*	mg/Kg	1	5	08/27/08 4:49	ear/aeh
Copper, total (3050)	M6010B ICP	380		*	mg/Kg	1	5	08/27/08 4:49	ear/aeh
Lead, total (3050)	M6020 ICP-MS	24.50		*	mg/Kg	0.05	0.3	08/29/08 3:20	msh
Manganese, total (3050)	M6010B ICP	169		*	mg/Kg	0.5	3	08/27/08 4:49	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:30	jws
Molybdenum, total (3050)	M6010B ICP	157		*	mg/Kg	1	5	08/27/08 4:49	ear/aeh
Nickel, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	08/27/08 4:49	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.33		*	mg/Kg	0.05	0.3	08/29/08 3:20	msh
Thallium, total (3050)	M6020 ICP-MS	0.14	B	*	mg/Kg	0.05	0.3	08/29/08 3:20	msh
Uranium, total (3050)	M6020 ICP-MS	6.88		*	mg/Kg	0.05	0.3	08/29/08 3:20	msh
Zinc, total (3050)	M6010B ICP	82		*	mg/Kg	1	5	08/27/08 4:49	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	88.2		*	%	0.1	0.5	08/13/08 2:37	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:27	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 8:08	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 4:47	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-05-1-3

ACZ Sample ID: ***L71041-08***
Date Sampled: *08/07/08 09:46*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.6	B	*	mg/Kg	0.2	1	08/29/08 3:26	msh
Arsenic, total (3050)	M6020 ICP-MS	3.1		*	mg/Kg	0.3	0.5	08/29/08 3:26	msh
Barium, total (3050)	M6010B ICP	53.5			mg/Kg	0.3	2	08/27/08 4:53	ear/aeh
Beryllium, total (3050)	M6010B ICP		U		mg/Kg	0.2	1	08/27/08 4:53	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:53	ear/aeh
Chromium, total (3050)	M6010B ICP	2	B	*	mg/Kg	1	5	08/27/08 4:53	ear/aeh
Cobalt, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/27/08 4:53	ear/aeh
Copper, total (3050)	M6010B ICP	284		*	mg/Kg	1	5	08/27/08 4:53	ear/aeh
Lead, total (3050)	M6020 ICP-MS	8.63		*	mg/Kg	0.05	0.3	08/29/08 3:26	msh
Manganese, total (3050)	M6010B ICP	210		*	mg/Kg	0.5	3	08/27/08 4:53	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:32	jws
Molybdenum, total (3050)	M6010B ICP	25		*	mg/Kg	1	5	08/27/08 4:53	ear/aeh
Nickel, total (3050)	M6010B ICP	3	B		mg/Kg	1	5	08/27/08 4:53	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.15	B	*	mg/Kg	0.05	0.3	08/29/08 3:26	msh
Thallium, total (3050)	M6020 ICP-MS	0.15	B	*	mg/Kg	0.05	0.3	08/29/08 3:26	msh
Uranium, total (3050)	M6020 ICP-MS	8.31		*	mg/Kg	0.05	0.3	08/29/08 3:26	msh
Zinc, total (3050)	M6010B ICP	87		*	mg/Kg	1	5	08/27/08 4:53	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.2		*	%	0.1	0.5	08/13/08 3:36	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:33	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 9:00	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 5:44	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-P24-0-1

ACZ Sample ID: ***L71041-09***
Date Sampled: *08/07/08 10:30*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 3:33	msh
Arsenic, total (3050)	M6020 ICP-MS	2.3		*	mg/Kg	0.3	0.5	08/29/08 3:33	msh
Barium, total (3050)	M6010B ICP	104			mg/Kg	0.3	2	08/27/08 4:57	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.7	B		mg/Kg	0.2	1	08/27/08 4:57	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 4:57	ear/aeh
Chromium, total (3050)	M6010B ICP	5		*	mg/Kg	1	5	08/27/08 4:57	ear/aeh
Cobalt, total (3050)	M6010B ICP	10		*	mg/Kg	1	5	08/27/08 4:57	ear/aeh
Copper, total (3050)	M6010B ICP	719		*	mg/Kg	1	5	08/27/08 4:57	ear/aeh
Lead, total (3050)	M6020 ICP-MS	15.00		*	mg/Kg	0.05	0.3	08/29/08 3:33	msh
Manganese, total (3050)	M6010B ICP	379		*	mg/Kg	0.5	3	08/27/08 4:57	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:34	jws
Molybdenum, total (3050)	M6010B ICP	60		*	mg/Kg	1	5	08/27/08 4:57	ear/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/27/08 4:57	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.36		*	mg/Kg	0.05	0.3	08/29/08 3:33	msh
Thallium, total (3050)	M6020 ICP-MS	0.24	B	*	mg/Kg	0.05	0.3	08/29/08 3:33	msh
Uranium, total (3050)	M6020 ICP-MS	4.54		*	mg/Kg	0.05	0.3	08/29/08 3:33	msh
Zinc, total (3050)	M6010B ICP	82		*	mg/Kg	1	5	08/27/08 4:57	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	98.1		*	%	0.1	0.5	08/13/08 4:35	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:39	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 9:51	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 6:42	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-P24-1-3

ACZ Sample ID: ***L71041-10***
Date Sampled: *08/07/08 10:30*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 3:39	msh
Arsenic, total (3050)	M6020 ICP-MS	2.6		*	mg/Kg	0.3	0.5	08/29/08 3:39	msh
Barium, total (3050)	M6010B ICP	79.9			mg/Kg	0.3	2	08/27/08 5:00	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.5	B		mg/Kg	0.2	1	08/27/08 5:00	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 5:00	ear/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/27/08 5:00	ear/aeh
Cobalt, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/27/08 5:00	ear/aeh
Copper, total (3050)	M6010B ICP	483		*	mg/Kg	1	5	08/27/08 5:00	ear/aeh
Lead, total (3050)	M6020 ICP-MS	14.60		*	mg/Kg	0.05	0.3	08/29/08 3:39	msh
Manganese, total (3050)	M6010B ICP	146		*	mg/Kg	0.5	3	08/27/08 5:00	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:37	jws
Molybdenum, total (3050)	M6010B ICP	260		*	mg/Kg	1	5	08/27/08 5:00	ear/aeh
Nickel, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	08/27/08 5:00	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.48		*	mg/Kg	0.05	0.3	08/29/08 3:39	msh
Thallium, total (3050)	M6020 ICP-MS	0.17	B	*	mg/Kg	0.05	0.3	08/29/08 3:39	msh
Uranium, total (3050)	M6020 ICP-MS	5.44		*	mg/Kg	0.05	0.3	08/29/08 3:39	msh
Zinc, total (3050)	M6010B ICP	64		*	mg/Kg	1	5	08/27/08 5:00	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	93.5		*	%	0.1	0.5	08/13/08 5:34	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:45	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 10:42	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 7:40	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-P24-10-11

ACZ Sample ID: ***L71041-11***
Date Sampled: *08/07/08 10:56*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 3:45	msh
Arsenic, total (3050)	M6020 ICP-MS	2.1		*	mg/Kg	0.3	0.5	08/29/08 3:45	msh
Barium, total (3050)	M6010B ICP	132			mg/Kg	0.3	2	08/27/08 5:04	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.2	1	08/27/08 5:04	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 5:04	ear/aeh
Chromium, total (3050)	M6010B ICP	3	B	*	mg/Kg	1	5	08/27/08 5:04	ear/aeh
Cobalt, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/27/08 5:04	ear/aeh
Copper, total (3050)	M6010B ICP	348		*	mg/Kg	1	5	08/27/08 5:04	ear/aeh
Lead, total (3050)	M6020 ICP-MS	104		*	mg/Kg	0.05	0.3	08/29/08 3:45	msh
Manganese, total (3050)	M6010B ICP	293		*	mg/Kg	0.5	3	08/27/08 5:04	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:44	jws
Molybdenum, total (3050)	M6010B ICP	9		*	mg/Kg	1	5	08/27/08 5:04	ear/aeh
Nickel, total (3050)	M6010B ICP	8			mg/Kg	1	5	08/27/08 5:04	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.14	B	*	mg/Kg	0.05	0.3	08/29/08 3:45	msh
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/29/08 3:45	msh
Uranium, total (3050)	M6020 ICP-MS	6.46		*	mg/Kg	0.05	0.3	08/29/08 3:45	msh
Zinc, total (3050)	M6010B ICP	550		*	mg/Kg	1	5	08/27/08 5:04	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	89.1		*	%	0.1	0.5	08/13/08 6:33	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:51	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 11:34	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 8:38	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-01-0-1

ACZ Sample ID: ***L71041-12***
Date Sampled: *08/07/08 12:39*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.6	B	*	mg/Kg	0.2	1	08/29/08 3:52	msh
Arsenic, total (3050)	M6020 ICP-MS	9.7		*	mg/Kg	0.3	0.5	08/29/08 3:52	msh
Barium, total (3050)	M6010B ICP	67.3			mg/Kg	0.3	2	08/27/08 5:15	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.9	B		mg/Kg	0.2	1	08/27/08 5:15	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 5:15	ear/aeh
Chromium, total (3050)	M6010B ICP	5	B	*	mg/Kg	1	5	08/27/08 5:15	ear/aeh
Cobalt, total (3050)	M6010B ICP	7		*	mg/Kg	1	5	08/27/08 5:15	ear/aeh
Copper, total (3050)	M6010B ICP	3550		*	mg/Kg	1	5	08/27/08 5:15	ear/aeh
Lead, total (3050)	M6020 ICP-MS	64.70		*	mg/Kg	0.05	0.3	08/29/08 3:52	msh
Manganese, total (3050)	M6010B ICP	401		*	mg/Kg	0.5	3	08/27/08 5:15	ear/aeh
Mercury, total	M7471A CVAA	0.07	B		mg/Kg	0.05	0.2	08/16/08 19:46	jws
Molybdenum, total (3050)	M6010B ICP	955		*	mg/Kg	1	5	08/27/08 5:15	ear/aeh
Nickel, total (3050)	M6010B ICP	4	B		mg/Kg	1	5	08/27/08 5:15	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	1.90		*	mg/Kg	0.05	0.3	08/29/08 3:52	msh
Thallium, total (3050)	M6020 ICP-MS	0.22	B	*	mg/Kg	0.05	0.3	08/29/08 3:52	msh
Uranium, total (3050)	M6020 ICP-MS	4.42		*	mg/Kg	0.05	0.3	08/29/08 3:52	msh
Zinc, total (3050)	M6010B ICP	133		*	mg/Kg	1	5	08/27/08 5:15	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	83.1		*	%	0.1	0.5	08/13/08 7:32	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 19:57	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 12:25	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 9:36	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-01-1-3

ACZ Sample ID: ***L71041-13***
Date Sampled: *08/07/08 12:39*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.8	B	*	mg/Kg	0.2	1	08/29/08 4:11	msh
Arsenic, total (3050)	M6020 ICP-MS	16.8		*	mg/Kg	0.3	0.5	08/29/08 4:11	msh
Barium, total (3050)	M6010B ICP	99.1			mg/Kg	0.3	2	08/27/08 5:19	ear/aeh
Beryllium, total (3050)	M6010B ICP	2.1			mg/Kg	0.2	1	08/27/08 5:19	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 5:19	ear/aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/27/08 5:19	ear/aeh
Cobalt, total (3050)	M6010B ICP	13		*	mg/Kg	1	5	08/27/08 5:19	ear/aeh
Copper, total (3050)	M6010B ICP	4020		*	mg/Kg	1	5	08/27/08 5:19	ear/aeh
Lead, total (3050)	M6020 ICP-MS	120		*	mg/Kg	0.05	0.3	08/29/08 4:11	msh
Manganese, total (3050)	M6010B ICP	566		*	mg/Kg	0.5	3	08/27/08 5:19	ear/aeh
Mercury, total	M7471A CVAA	0.08	B		mg/Kg	0.05	0.2	08/16/08 19:48	jws
Molybdenum, total (3050)	M6010B ICP	767		*	mg/Kg	1	5	08/27/08 5:19	ear/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/27/08 5:19	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	2.17		*	mg/Kg	0.05	0.3	08/29/08 4:11	msh
Thallium, total (3050)	M6020 ICP-MS	0.28	B	*	mg/Kg	0.05	0.3	08/29/08 4:11	msh
Uranium, total (3050)	M6020 ICP-MS	13.40		*	mg/Kg	0.05	0.3	08/29/08 4:11	msh
Zinc, total (3050)	M6010B ICP	173		*	mg/Kg	1	5	08/27/08 5:19	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	76.9		*	%	0.1	0.5	08/13/08 8:31	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 20:03	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 13:17	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 10:34	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: RA-JS-01-5-7

ACZ Sample ID: ***L71041-14***
Date Sampled: *08/07/08 12:42*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS	0.9	B	*	mg/Kg	0.2	1	08/29/08 4:17	msh
Arsenic, total (3050)	M6020 ICP-MS	13.5		*	mg/Kg	0.3	0.5	08/29/08 4:17	msh
Barium, total (3050)	M6010B ICP	83.7			mg/Kg	0.3	2	08/27/08 5:22	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.8	B		mg/Kg	0.2	1	08/27/08 5:22	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 5:22	ear/aeh
Chromium, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/27/08 5:22	ear/aeh
Cobalt, total (3050)	M6010B ICP	16		*	mg/Kg	1	5	08/27/08 5:22	ear/aeh
Copper, total (3050)	M6010B ICP	7520		*	mg/Kg	1	5	08/27/08 5:22	ear/aeh
Lead, total (3050)	M6020 ICP-MS	78.60		*	mg/Kg	0.05	0.3	08/29/08 4:17	msh
Manganese, total (3050)	M6010B ICP	276		*	mg/Kg	0.5	3	08/27/08 5:22	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:51	jws
Molybdenum, total (3050)	M6010B ICP	525		*	mg/Kg	1	5	08/27/08 5:22	ear/aeh
Nickel, total (3050)	M6010B ICP	7			mg/Kg	1	5	08/27/08 5:22	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	2.43		*	mg/Kg	0.05	0.3	08/29/08 4:17	msh
Thallium, total (3050)	M6020 ICP-MS	0.19	B	*	mg/Kg	0.05	0.3	08/29/08 4:17	msh
Uranium, total (3050)	M6020 ICP-MS	6.59		*	mg/Kg	0.05	0.3	08/29/08 4:17	msh
Zinc, total (3050)	M6010B ICP	125		*	mg/Kg	1	5	08/27/08 5:22	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.8		*	%	0.1	0.5	08/13/08 9:31	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 20:09	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 14:08	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 11:32	brd

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: OJ07R9
Sample ID: EM-P24-5-7

ACZ Sample ID: ***L71041-15***
Date Sampled: *08/07/08 10:45*
Date Received: *08/08/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	08/29/08 4:23	msh
Arsenic, total (3050)	M6020 ICP-MS	2.3		*	mg/Kg	0.3	0.5	08/29/08 4:23	msh
Barium, total (3050)	M6010B ICP	86.5			mg/Kg	0.3	2	08/27/08 5:26	ear/aeh
Beryllium, total (3050)	M6010B ICP	0.4	B		mg/Kg	0.2	1	08/27/08 5:26	ear/aeh
Cadmium, total (3050)	M6010B ICP		U		mg/Kg	0.5	2	08/27/08 5:26	ear/aeh
Chromium, total (3050)	M6010B ICP	8		*	mg/Kg	1	5	08/27/08 5:26	ear/aeh
Cobalt, total (3050)	M6010B ICP	6		*	mg/Kg	1	5	08/27/08 5:26	ear/aeh
Copper, total (3050)	M6010B ICP	540		*	mg/Kg	1	5	08/27/08 5:26	ear/aeh
Lead, total (3050)	M6020 ICP-MS	24.60		*	mg/Kg	0.05	0.3	08/29/08 4:23	msh
Manganese, total (3050)	M6010B ICP	230		*	mg/Kg	0.5	3	08/27/08 5:26	ear/aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	08/16/08 19:54	jws
Molybdenum, total (3050)	M6010B ICP	106		*	mg/Kg	1	5	08/27/08 5:26	ear/aeh
Nickel, total (3050)	M6010B ICP	5	B		mg/Kg	1	5	08/27/08 5:26	ear/aeh
Selenium, total (3050)	M6020 ICP-MS	0.27	B	*	mg/Kg	0.05	0.3	08/29/08 4:23	msh
Thallium, total (3050)	M6020 ICP-MS	0.16	B	*	mg/Kg	0.05	0.3	08/29/08 4:23	msh
Uranium, total (3050)	M6020 ICP-MS	3.97		*	mg/Kg	0.05	0.3	08/29/08 4:23	msh
Zinc, total (3050)	M6010B ICP	89		*	mg/Kg	1	5	08/27/08 5:26	ear/aeh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.7		*	%	0.1	0.5	08/13/08 10:30	mjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972			*				08/12/08 20:15	mjc
Digestion - Hot Plate	M3050B ICP-MS							08/22/08 15:00	brd
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2			*				08/21/08 12:29	brd

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	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.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

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.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

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.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71041***

Project ID: OJ07R9

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250716													
WG250716ICV	ICV	08/29/08 1:18	MS080813-2	.02006		.02054	mg/L	102.4	90	110			
WG250716ICB	ICB	08/29/08 1:25				U	mg/L		-0.0012	0.0012			
WG250425PBS	PBS	08/29/08 1:51				U	mg/Kg		-0.6	0.6			
WG250425LCSS	LCSS	08/29/08 1:57	PCN30289	126		76.4	mg/Kg		63.3	189			
WG250425LCSSD	LCSSD	08/29/08 2:04	PCN30289	126		82.9	mg/Kg		63.3	189	8.2	20	
L71041-02MS	MS	08/29/08 2:29	MS080707-3	5	U	1.84	mg/Kg	36.8	75	125			M2
L71041-02MSD	MSD	08/29/08 2:36	MS080707-3	5	U	1.82	mg/Kg	36.4	75	125	1.09	20	M2

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250716													
WG250716ICV	ICV	08/29/08 1:18	MS080813-2	.05		.05197	mg/L	103.9	90	110			
WG250716ICB	ICB	08/29/08 1:25				U	mg/L		-0.0015	0.0015			
WG250425PBS	PBS	08/29/08 1:51				U	mg/Kg		-0.9	0.9			
WG250425LCSS	LCSS	08/29/08 1:57	PCN30289	225		237.9	mg/Kg		181	270			
WG250425LCSSD	LCSSD	08/29/08 2:04	PCN30289	225		242	mg/Kg		181	270	1.7	20	
L71041-02MS	MS	08/29/08 2:29	MS080707-3	25	1.2	25.3	mg/Kg	96.4	75	125			
L71041-02MSD	MSD	08/29/08 2:36	MS080707-3	25	1.2	26.47	mg/Kg	101.1	75	125	4.52	20	

Barium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		2.0009	mg/L	100	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.009	0.009			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-0.9	0.9			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	565		566.01	mg/Kg		461	669			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	565		531.73	mg/Kg		461	669	6.2	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	81.2	121.94	mg/Kg	80.7	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	81.2	126.54	mg/Kg	89.8	75	125	3.7	20	

Beryllium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.9412	mg/L	97.1	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.006	0.006			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-0.6	0.6			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	162		158.18	mg/Kg		134	190			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	162		152.64	mg/Kg		134	190	3.6	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	.5	47.65	mg/Kg	93.4	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	.5	48.38	mg/Kg	94.8	75	125	1.52	20	

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Cadmium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.9478	mg/L	97.4	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.015	0.015			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-1.5	1.5			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	69.1		64.31	mg/Kg		58.1	80.1			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	69.1		64.32	mg/Kg		58.1	80.1	0	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	U	45.11	mg/Kg	89.3	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	U	45.38	mg/Kg	89.9	75	125	0.6	20	

Chromium, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.939	mg/L	97	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.03	0.03			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-3	3			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	124		121	mg/Kg		101	147			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	124		113.7	mg/Kg		101	147	6.2	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	6	52.8	mg/Kg	92.7	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	6	64.6	mg/Kg	116	75	125	20.1	20	RD

Cobalt, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2.002		1.969	mg/L	98.4	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.03	0.03			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-3	3			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	115		114.6	mg/Kg		95.6	135			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	115		107.4	mg/Kg		95.6	135	6.5	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	7	51.5	mg/Kg	88.1	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	7	53.2	mg/Kg	91.5	75	125	3.25	20	

Copper, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.963	mg/L	98.2	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.03	0.03			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-3	3			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	66.7		64.3	mg/Kg		53.9	79.5			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	66.7		63.4	mg/Kg		53.9	79.5	1.4	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	2750	2394.6	mg/Kg	-703.8	75	125			M3
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	2750	2512.8	mg/Kg	-469.7	75	125	4.82	20	M3

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Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250716													
WG250716ICV	ICV	08/29/08 1:18	MS080813-2	.05		.05175	mg/L	103.5	90	110			
WG250716ICB	ICB	08/29/08 1:25				U	mg/L		-0.0003	0.0003			
WG250425PBS	PBS	08/29/08 1:51				U	mg/Kg		-0.15	0.15			
WG250425LCSS	LCSS	08/29/08 1:57	PCN30289	223		230.85	mg/Kg		183	264			
WG250425LCSSD	LCSSD	08/29/08 2:04	PCN30289	223		234.55	mg/Kg		183	264	1.6	20	
L71041-02MS	MS	08/29/08 2:29	MS080707-3	25	3.89	29.245	mg/Kg	101.4	75	125			
L71041-02MSD	MSD	08/29/08 2:36	MS080707-3	25	3.89	30.235	mg/Kg	105.4	75	125	3.33	20	
WG250918													
WG250918ICV	ICV	09/02/08 18:36	MS080813-2	.05		.04845	mg/L	96.9	90	110			
WG250918ICB	ICB	09/02/08 18:40				U	mg/L		-0.0003	0.0003			
WG250425PBS	PBS	09/02/08 19:26				U	mg/Kg		-0.15	0.15			
WG250425LCSS	LCSS	09/02/08 19:28	PCN30289	223		223.2	mg/Kg		183	264			
WG250425LCSSD	LCSSD	09/02/08 19:30	PCN30289	223		227.95	mg/Kg		183	264	2.1	20	
L71041-02MS	MS	09/02/08 19:36	MS080707-3	25	3.92	30.76	mg/Kg	107.4	75	125			
L71041-02MSD	MSD	09/02/08 19:38	MS080707-3	25	3.92	30.795	mg/Kg	107.5	75	125	0.11	20	

Manganese, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.9582	mg/L	97.9	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.015	0.015			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-1.5	1.5			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	368		414.04	mg/Kg		304	433			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	368		338.34	mg/Kg		304	433	20.1	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	233	261	mg/Kg	55.4	75	125			M3
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	233	301.81	mg/Kg	136.3	75	125	14.5	20	M3

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250055													
WG250055ICV	ICV	08/16/08 14:09	II080721-4	.01002		.00985	mg/L	98.3	90	110			
WG250055ICB	ICB	08/16/08 14:12				U	mg/L		-0.0006	0.0006			
WG250061													
WG250061PBS	PBS	08/16/08 17:43				U	mg/Kg		-0.12	0.12			
WG250061LCSS	LCSS	08/16/08 17:45	PCN28813	5.8		5.28	mg/Kg		3.83	7.69			
WG250061LCSSD	LCSSD	08/16/08 17:47	PCN28813	5.8		5.36	mg/Kg		3.83	7.69	1.5	20	
L71011-04MS	MS	08/16/08 17:51	II080807-2	.98	U	.981	mg/Kg	100.1	85	115			
L71011-04MSD	MSD	08/16/08 17:54	II080807-2	.99	U	.967	mg/Kg	97.7	85	115	1.44	20	
WG250062													
WG250062PBS	PBS	08/16/08 19:15				U	mg/Kg		-0.12	0.12			
WG250062LCSS	LCSS	08/16/08 19:17	PCN28813	5.8		5.46	mg/Kg		3.83	7.69			
WG250062LCSSD	LCSSD	08/16/08 19:20	PCN28813	5.8		5.19	mg/Kg		3.83	7.69	5.1	20	
L71041-06MS	MS	08/16/08 19:25	II080807-2	1.05	U	1.031	mg/Kg	98.2	85	115			
L71041-06MSD	MSD	08/16/08 19:28	II080807-2	1.04	U	.995	mg/Kg	95.7	85	115	3.55	20	

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Molybdenum, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.976	mg/L	98.8	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.03	0.03			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-3	3			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	107		107.3	mg/Kg		83.8	130			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	107		103.6	mg/Kg		83.8	130	3.5	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	403	489.1	mg/Kg	170.5	75	125			M3
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	403	422.2	mg/Kg	38	75	125	14.68	20	M3

Nickel, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2.004		1.924	mg/L	96	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.03	0.03			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-3	3			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	172		166.2	mg/Kg		140	204			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	172		160.9	mg/Kg		140	204	3.2	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.3485	5	49.7	mg/Kg	88.8	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.3485	5	50.6	mg/Kg	90.6	75	125	1.79	20	

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250716													
WG250716ICV	ICV	08/29/08 1:18	MS080813-2	.05		.05157	mg/L	103.1	90	110			
WG250716ICB	ICB	08/29/08 1:25				U	mg/L		-0.0003	0.0003			
WG250425PBS	PBS	08/29/08 1:51				U	mg/Kg		-0.15	0.15			
WG250425LCSS	LCSS	08/29/08 1:57	PCN30289	147		155.7	mg/Kg		114	180			
WG250425LCSSD	LCSSD	08/29/08 2:04	PCN30289	147		160.15	mg/Kg		114	180	2.8	20	
L71041-02MS	MS	08/29/08 2:29	MS080707-3	12.5	.07	11.32	mg/Kg	90	75	125			
L71041-02MSD	MSD	08/29/08 2:36	MS080707-3	12.5	.07	11.84	mg/Kg	94.2	75	125	4.49	20	

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG249870													
WG249870PBS	PBS	08/12/08 18:45				U	%		99.9	100.1			
L71041-01DUP	DUP	08/12/08 20:43			93.4	93.53	%				0.1	20	

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250716													
WG250716ICV	ICV	08/29/08 1:18	MS080813-2	.05		.05374	mg/L	107.5	90	110			
WG250716ICB	ICB	08/29/08 1:25				U	mg/L		-0.0003	0.0003			
WG250425PBS	PBS	08/29/08 1:51				U	mg/Kg		-0.15	0.15			
WG250425LCSS	LCSS	08/29/08 1:57	PCN30289	173		187.5	mg/Kg		140	205			
WG250425LCSSD	LCSSD	08/29/08 2:04	PCN30289	173		188	mg/Kg		140	205	0.3	20	
L71041-02MS	MS	08/29/08 2:29	MS080707-3	25.05	.29	26.38	mg/Kg	104.2	75	125			
L71041-02MSD	MSD	08/29/08 2:36	MS080707-3	25.05	.29	27.965	mg/Kg	110.5	75	125	5.83	20	

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Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250716													
WG250716ICV	ICV	08/29/08 1:18	MS080813-2	.05		.05229	mg/L	104.6	90	110			
WG250716ICB	ICB	08/29/08 1:25				U	mg/L		-0.0003	0.0003			
WG250425PBS	PBS	08/29/08 1:51				U	mg/Kg		-0.15	0.15			
L71041-02MS	MS	08/29/08 2:29	MS080707-3	12.5	3.7	17.285	mg/Kg	108.7	75	125			
L71041-02MSD	MSD	08/29/08 2:36	MS080707-3	12.5	3.7	18.09	mg/Kg	115.1	75	125	4.55	20	

Zinc, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG250639													
WG250639ICV	ICV	08/27/08 3:40	II080820-1	2		1.967	mg/L	98.4	90	110			
WG250639ICB	ICB	08/27/08 3:44				U	mg/L		-0.03	0.03			
WG250425PBS	PBS	08/27/08 3:58				U	mg/Kg		-3	3			
WG250425LCSS	LCSS	08/27/08 4:02	PCN30289	349		339.7	mg/Kg		280	418			
WG250425LCSSD	LCSSD	08/27/08 4:06	PCN30289	349		335.7	mg/Kg		280	418	1.2	20	
L71041-01MS	MS	08/27/08 4:17	II080811-3	50.5	90	132.6	mg/Kg	84.4	75	125			
L71041-01MSD	MSD	08/27/08 4:20	II080811-3	50.5	90	137.2	mg/Kg	93.5	75	125	3.41	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71041***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-01	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-02	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-03	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-04	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-05	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-06	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
		Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-07	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-08	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-09	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-10	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-11	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-12	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-13	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-14	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

FMI Gold & Copper - Sierrita ACZ Project ID: ***L71041***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71041-15	WG250716	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Arsenic, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Chromium, total (3050)	M6010B ICP	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Cobalt, total (3050)	M6010B ICP	ZG	The ICP Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	M6010B ICP	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.
	WG250716	Lead, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
			M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG250639	Manganese, total (3050)	M6010B ICP	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.
		Molybdenum, total (3050)	M6010B ICP	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.
	WG250716	Selenium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Thallium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
		Uranium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG250639	Zinc, total (3050)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L71041
Date Received: 8/8/2008
Received By:
Date Printed: 8/8/2008

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

N/A

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

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1887	2.9	13

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

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
OJ07R9

ACZ Project ID: L71041
Date Received: 8/8/2008
Received By:

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
L71041-01	EM-G27-0-1									X		
L71041-02	EM-G27-1-3									X		
L71041-03	RA-JS-04-0-1									X		
L71041-04	RA-JS-04-1-2.5									X		
L71041-05	RA-JS-03-0-1									X		
L71041-06	RA-JS-03-1-3									X		
L71041-07	RA-JS-05-0-1									X		
L71041-08	RA-JS-05-1-3									X		
L71041-09	EM-P24-0-1									X		
L71041-10	EM-P24-1-3									X		
L71041-11	EM-P24-10-11									X		
L71041-12	RA-JS-01-0-1									X		
L71041-13	RA-JS-01-1-3									X		
L71041-14	RA-JS-01-5-7									X		
L71041-15	EM-P24-5-7									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: _____

ACZ Laboratories, Inc.

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

L71041

CHAIN of CUSTODY

Report to:

Name: Ned Hall
Company: FMI
E-mail: Ned-Hall@urscorp.com
Address: 6200 W. Duval Mine Rd, P.O. Box 527, Green Valley, AZ
Telephone: (520) 648-8857

Copy of Report to:

Name: Steven-Vaughn@URScorp.com
Company:
E-mail: Rick-Smith@URScorp.com
Telephone:

Invoice to:

Name: Ned Hall
Company: FMI
E-mail: Ned-Hall@urscorp.com
Address: 6200 W. Duval Mine Rd P.O. Box 527 Green Valley, AZ
Telephone: (520) 648-8857

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? 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.

YES ☐ NO ☐

PROJECT INFORMATION

Quote #:
Project/PO #: 050-7R9
Reporting state for compliance testing:
Sampler's Name: Armando Jimenez
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	See Attached 7/18/08 Quote
EM-627-0-1	8-7-08 818	SO	1	
EM-627-1-3	818		1	
RA-JS-04-0-1	840		1	
RA-JS-04-1-2.5	840		1	
RA-JS-03-0-1	917		1	
RA-JS-03-1-3	917		1	
RA-JS-05-0-1	946		1	
RA-JS-05-1-3	946		1	
EM-P24-0-1	1030		1	
EM-P24-1-3	1030		1	

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

REMARKS/ SAMPLE DISCLOSURES

Fedex 7989 9261 9580

PAGE 1 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
	8-7-08 1500		8-8-08 10:34

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc. L71041

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

CHAIN of CUSTODY

Report to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd.
Company: FMI	P.O. Box 527, Green Valley AZ
E-mail: Ned_Hall@FMI.com	Telephone: (520) 648-8857

Copy of Report to:

Name: Steven_Vaughn@urscorp.com	E-mail: Rick_Smith@urscorp.com
Company:	Telephone:

Invoice to:

Name: Ned Hall	Address: 6200 W. Duval Mine Rd
Company: FMI	P.O. Box 527 Green Valley, AZ
E-mail: Ned-Hall@FMI.com	Telephone: (520) 648-8857

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.

PROJECT INFORMATION

Quote #:

Project/PO #: 0507R9

Reporting state for compliance testing:

Sampler's Name: Armando Jimenez

Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME		Matrix	# of Containers	See attached 7/8/08 Quote							
EM-P24-10-11	8-7-08	1056	SO	1	1							
RA-JS-01-0-1	↓	1239	↓	1	1							
RA-JS-01-1-3	↓	1239	↓	1	1							
RA-JS-01 5-7	↓	1242	↓	1	1							
EM-P24-5-7	↓	1045	↓	1	1							

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

REMARKS/ SAMPLE DISCLOSURES

FedEx: 7989926195 80

PAGE 2 of 2

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature]	8-7-08 1500	FedEx	
		[signature]	8-8-08 10:34

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Quote

Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

7/8/2008

Quote Number: SOIL-GPL

Matrix: Soil — Sierrita Soil Sampling Program

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Antimony, total (3050)	M6020 ICP-MS	0.04 mg/Kg	$13.50
Arsenic, total (3050)	M6020 ICP-MS	0.05 mg/Kg	$13.50
Barium, total (3050)	M6010B ICP	0.3 mg/Kg	$6.75
Beryllium, total (3050)	M6010B ICP	0.2 mg/Kg	$6.75
Cadmium, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Chromium, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Cobalt, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Copper, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Lead, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Manganese, total (3050)	M6010B ICP	0.5 mg/Kg	$6.75
Mercury, total	M7471A CVAA	0.02 mg/Kg	$17.25
Molybdenum, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Nickel, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Selenium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Thallium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Uranium, total (3050)	M6020 ICP-MS	0.01 mg/Kg	$13.50
Zinc, total (3050)	M6010B ICP	1 mg/Kg	$6.75
Misc.			
Electronic Data Deliverable			$0.00
Quality Control Summary			$0.00
Sample Preparation			
Air Dry at 34 Degrees C	USDA No. 1, 1972		$5.25
Digestion - Alkaline	M3060A		$99.98
Digestion - Hot Plate	M3050B ICP-MS		$10.50
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		$8.25
Soil Analysis			
Solids, Percent	CLPSOW390, PART F, D-98	0.1 %	$5.25
Wet Chemistry			
Chromium, Hexavalent (3060)	M7196A	0.005 mg/Kg	$28.00
		Cost/Sample:	**$322.98**

Pricing includes standard deliverables and turnaround. Includes a QC Summary and default electronic data deliverable. Method detection limits are estimates and may be elevated depending on sample matrix.