APPENDIX D
LABORATORY ANALYTICAL REPORTS

1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

July 18, 2008 Analytical Report for Service Request No: K0805778

Christina Wheeler
URS Corporation
111 SW Columbia
Suite 1500
Portland, OR 97201-5850

RE: Blue Ledge Mine

Dear Christina:

Enclosed are the results of the samples submitted to our laboratory on June 26, 2008. For your reference, these analyses have been assigned our service request number K0805778.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Lynda Huckestein
Client Services Manager

LH/lb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	URS Corporation	**Service Request No.:**	K0805778
Project:	Blue Ledge Mine	**Date Received:**	6/26/2008
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Laboratory Control Sample (LCS).

Sample Receipt

Eight water samples were received for analysis at Columbia Analytical Services on 6/26/2008. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of these samples were observed.

Total Metals

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Iron for the Batch QC is not applicable. The Iron concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

Approved by _____ **Date** 7/21/08

Chain of Custody Documentation

Columbia Analytical Services, Inc.
An Employee - Owned Company

CHAIN OF CUSTODY

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

SR#: K0805778

PAGE 1 OF 1 COC # 01

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER:
PROJECT MANAGER: MIKE EDWARDS
COMPANY/ADDRESS: URS CORPORATION
111 SW COLUMBIA, SUITE 1500
CITY/STATE/ZIP: PORTLAND, OR. 97201
E-MAIL ADDRESS:
PHONE #: 503 222 7200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐	Fuel Fingerprint (FIQ) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals; Total or (Dissolved) (See list below)	Cyanide ☐	Hex-Chrom ☐	pH, Cond., Cl, (SO_4), PO_4, F, NO_2, NO_3; BOD, (TSS) (DS circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	ALKALINITY (SM 2320B)	HARDNESS (SM 2340B)			REMARKS
AL-01-SW-080624-URS	6/24/08	1640		W	3									X		X			X	X					
EC-01-SW-080624-URS	6/24/08	1725		W	3									X		X			X	X					
ALV-04-SW-080624-URS		1250		W	3									X		X			X	X					
AIC-02-SW-080624-URS		1558		W	3									X		X			X	X					
DAM-01-080624-URS		1815		W	3									X		X			X	X					
AD-02-080624-URS		1645		W	3									X		X			X	X					
SP-01-080624-URS		1600		W	3									X		X			X	X					
AD-01-080624-URS	↓	1430		W	3									X		X			X	X					

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION

P.O. # _____
Bill To: _____

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

AD-01-080624-URS 1L UNPRESERVED CONTAINER ONLY ½ FULL. CONTACT PM IF NOT ENOUGH VOLUME TO RUN ALL REQUESTED ANALYSES.

Container Supply Number
9160

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
Printed Name	Firm	Printed Name	Firm	Printed Name	Firm	Printed Name	Firm
[illegible]	6/25/08 1000	Tracy Black	6/26/08 0930				
JENNIFER RAY	URS	Black	CAS				

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC CH

Client / Project: URS Service Request K08 05778

Received: 6/26/08 Opened: 6/26/08 By: A.J

1. Samples were received via? *US Mail* (Fed Ex) *UPS* *DHL* *GH* *GS* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (Cooler) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1F, 1B, 1S
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ NA Y N

5. Temperature of cooler(s) upon receipt (°C):	0.6			
Temperature Blank (°C):	2.5			
6. If applicable, list Chain of Custody Numbers:				

7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Packing material used. *Inserts* *Baggies* *Bubble Wrap* (Gel Packs) (Wet Ice) *Sleeves* *Other* _____
9. **Did all bottles arrive in good condition (unbroken)?** *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* (Y) N
12. **Were appropriate bottles/containers and volumes received for the tests indicated?** NA (Y) N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* NA (Y) N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* (NA) Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** (NA) Y N
16. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

*Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: _____

General Chemistry Parameters

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 06/24/08
Date Received : 06/26/08

Alkalinity as CaCO3, Total

Analysis Method : SM 2320 B
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
AR-01-SW-080624-URS	K0805778-001	2	1	1	06/26/08	36	
EC-01-SW-080624-URS	K0805778-002	2	1	1	06/26/08	40	
ARV-04-SW-080624-URS	K0805778-003	2	1	1	06/26/08	42	
AR-02-SW-080624-URS	K0805778-004	2	1	1	06/26/08	38	
DAM-01-080624-URS	K0805778-005	2	1	1	06/26/08	ND	
AD-02-080624-URS	K0805778-006	2	1	1	06/26/08	134	
SP-01-080624-URS	K0805778-007	2	1	1	06/26/08	31	
AD-01-080624-URS	K0805778-008	2	1	1	06/26/08	ND	
Method Blank	K0805778-MB	2	1	1	06/26/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 6/24/2008
Date Received : 6/26/2008
Date Prepared : NA
Date Analyzed : 06/26/08

Duplicate Summary
Inorganic Parameters

Sample Name : AR-02-SW-080624-URS
Lab Code : K0805778-004DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Alkalinity as CaCO3, Total	SM 2320 B	2	38	41	40	8	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805778
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	06/26/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805778-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Alkalinity as CaCO3, Total	NONE	SM 2320 B	110	109	99	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 06/24/08
Date Received : 06/26/08

Sulfate

Analysis Method : 300.0
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
AR-01-SW-080624-URS	K0805778-001	0.2	0.012	2	07/01/08	2.5	
EC-01-SW-080624-URS	K0805778-002	0.2	0.012	2	07/01/08	3.0	
ARV-04-SW-080624-URS	K0805778-003	0.2	0.012	2	07/01/08	1.8	
AR-02-SW-080624-URS	K0805778-004	0.2	0.012	2	07/01/08	1.9	
DAM-01-080624-URS	K0805778-005	4.0	0.12	20	06/30/08	112	
AD-02-080624-URS	K0805778-006	20	0.60	100	07/01/08	393	
SP-01-080624-URS	K0805778-007	0.2	0.012	2	07/01/08	5.7	
AD-01-080624-URS	K0805778-008	200	6.0	1000	07/01/08	2770	
Method Blank	K0805778-MB	0.2	0.006	1	07/01/08	ND	
Method Blank	K0805778-MB	0.2	0.006	1	06/30/08	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 6/24/2008
Date Received : 6/26/2008
Date Prepared : NA
Date Analyzed : 07/01/08

Duplicate Summary
Inorganic Parameters

Sample Name : AR-01-SW-080624-URS
Lab Code : K0805778-001DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	300.0	0.2	2.5	2.5	2.5	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 6/24/2008
Date Received : 6/26/2008
Date Prepared : NA
Date Analyzed : 07/01/08

Matrix Spike Summary
Inorganic Parameters

Sample Name : AR-01-SW-080624-URS
Lab Code : K0805778-001MS
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	300.0	0.2	4.0	2.5	6.3	95	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805778
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Sample Matrix :	DRINKING WATER	**Date Prepared :**	NA
		Date Analyzed :	06/30/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805778-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	NONE	300.0	5.0	4.5	90	90-110	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805778
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/01/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805778-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	NONE	300.0	5.0	4.6	92	90-110	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 06/24/08
Date Received : 06/26/08

Solids, Total Dissolved

Analysis Method : SM 2540 C
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
AR-01-SW-080624-URS	K0805778-001	5	5	1	06/30/08	64	
EC-01-SW-080624-URS	K0805778-002	5	5	1	06/30/08	81	
ARV-04-SW-080624-URS	K0805778-003	5	5	1	06/30/08	77	
AR-02-SW-080624-URS	K0805778-004	5	5	1	06/30/08	50	
DAM-01-080624-URS	K0805778-005	5	5	1	06/30/08	160	
AD-02-080624-URS	K0805778-006	5	5	1	06/30/08	801	
SP-01-080624-URS	K0805778-007	5	5	1	06/30/08	23	
AD-01-080624-URS	K0805778-008	5	5	1	06/30/08	5060	
Method Blank	K0805778-MB	5	5	1	06/30/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 6/24/2008
Date Received : 6/26/2008
Date Prepared : NA
Date Analyzed : 06/30/08

Duplicate Summary
Inorganic Parameters

Sample Name : AD-02-080624-URS
Lab Code : K0805778-006DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Dissolved	SM 2540 C	5	801	839	820	5	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805778
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	06/30/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805778-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Dissolved	NONE	SM 2540 C	718	778	108	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : 06/24/08
Date Received : 06/26/08

Solids, Total Suspended (TSS)

Analysis Method : SM 2540 D
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
AR-01-SW-080624-URS	K0805778-001	5	5	1	06/30/08	ND	
EC-01-SW-080624-URS	K0805778-002	5	5	1	06/30/08	ND	
ARV-04-SW-080624-URS	K0805778-003	5	5	1	06/30/08	ND	
AR-02-SW-080624-URS	K0805778-004	5	5	1	06/30/08	ND	
DAM-01-080624-URS	K0805778-005	5	5	1	06/30/08	ND	
AD-02-080624-URS	K0805778-006	5	5	1	06/30/08	6	
SP-01-080624-URS	K0805778-007	5	5	1	06/30/08	ND	
AD-01-080624-URS	K0805778-008	5	5	1	06/30/08	ND	
Method Blank	K0805778-MB	5	5	1	06/30/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : NA
Sample Matrix : WATER

Service Request : K0805778
Date Collected : NA
Date Received : NA
Date Prepared : NA
Date Analyzed : 06/30/08

Duplicate Summary
Inorganic Parameters

Sample Name : Batch QC
Lab Code : K0805824-005DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Suspended (TSS)	SM 2540 D	5	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805778
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	06/30/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805778-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Suspended (TSS)	NONE	SM 2540 D	209	192	92	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Metals

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.:

Service Request: K0805778

Sample Name:	Lab Code:
Batch QC1D	K0805397-016D
Batch QC1S	K0805397-016S
Batch QC2D	K0805397-019D
Batch QC2S	K0805397-019S
AR-01-SW-080624-URS	K0805778-001 DISS
EC-01-SW-080624-URS	K0805778-002 DISS
ARV-04-SW-080624-URS	K0805778-003 DISS
AR-02-SW-080624-URS	K0805778-004 DISS
DAM-01-080624-URS	K0805778-005 DISS
AD-02-080624-URS	K0805778-006 DISS
SP-01-080624-URS	K0805778-007 DISS
AD-01-080624-URS	K0805778-008 DISS
Method Blank	K0805778-MB

Comments:

Approved By: _____ **Date:** 7/18/08

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: AR-01-SW-080624-URS
Lab Code: K0805778-001 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.018	B	
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	0.02	U	
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	5.6	B	
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.016	B	
Zinc	6020	0.50	0.06	1.0	07/01/08	07/03/08	0.06	B	

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: EC-01-SW-080624-URS
Lab Code: K0805778-002 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.50	B	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.049		
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	7.82		
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	6.0	B	
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.023		
Zinc	6020	0.50	0.06	1.0	07/01/08	07/03/08	3.95		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: ARV-04-SW-080624-URS
Lab Code: K0805778-003 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.37	B	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.012	B	
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	1.89		
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	7.9	B	
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.011	B	
Zinc	6020	0.50	0.06	1.0	07/01/08	07/03/08	2.20		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: AR-02-SW-080624-URS
Lab Code: K0805778-004 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.29	B	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.025		
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	1.61		
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	4.6	B	
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.008	B	
Zinc	6020	0.50	0.06	1.0	07/01/08	07/03/08	2.15		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: DAM-01-080624-URS
Lab Code: K0805778-005 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	33.7		
Copper	6010B	10.0	0.8	1.0	07/01/08	07/03/08	4680		
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	1670		
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	8.370		
Zinc	6010B	10.0	0.6	1.0	07/01/08	07/03/08	6180		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: AD-02-080624-URS
Lab Code: K0805778-006 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	1.81		
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.598		
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	4.77		
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	53.6		
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.020		
Zinc	6010B	10.0	0.6	1.0	07/01/08	07/03/08	1200		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: SP-01-080624-URS
Lab Code: K0805778-007 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.10	B	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.839		
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	65.9		
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	20.3		
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.210		
Zinc	6020	0.50	0.06	1.0	07/01/08	07/03/08	132		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: 6/24/08
Date Received: 6/26/08
Units: ug/L
Basis: N/A

Sample Name: AD-01-080624-URS
Lab Code: K0805778-008 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	3.19		
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	70.9		
Copper	6010B	1000	80.0	100.0	07/01/08	07/03/08	194000		
Iron	6010B	2000	400	100.0	07/01/08	07/03/08	748000		
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	8.640		
Zinc	6010B	1000	60.0	100.0	07/01/08	07/03/08	300000		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: NA
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805778
Date Collected: N/A
Date Received: N/A
Units: ug/L
Basis: N/A

Sample Name: Method Blank
Lab Code: K0805778-MB

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/01/08	07/03/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/01/08	07/03/08	0.008	U	
Copper	6010B	10.0	0.8	1.0	07/01/08	07/03/08	0.8	U	
Copper	6020	0.10	0.02	1.0	07/01/08	07/03/08	0.02	U	
Iron	6010B	20.0	4.0	1.0	07/01/08	07/03/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/01/08	07/03/08	0.003	U	
Zinc	6010B	10.0	0.6	1.0	07/01/08	07/03/08	0.9	B	
Zinc	6020	0.50	0.06	1.0	07/01/08	07/03/08	0.10	B	

% Solids: 0.0

Comments:

Metals

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SPIKE SAMPLE RECOVERY

Client:	URS Corporation	**Service Request:**	K0805778
Project No.:	NA	**Units:**	UG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	WATER	**% Solids:**	0.0

Sample Name: Batch QC1S **Lab Code:** K0805397-016S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Copper	88 - 117	267		9.8	B	250.00	102.9		6010B
Iron		15100		13900		1000.00	120.0		6010B
Zinc	88 - 113	546		51.7		500.00	98.9		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	URS Corporation	**Service Request:**	K0805778
Project No.:	NA	**Units:**	UG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	WATER	**% Solids:**	0.0

Sample Name: Batch QC2S **Lab Code:** K0805397-019S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	74 - 126	26.4		7.12		20.00	96.4		6020
Cadmium	84 - 113	20.5		0.258		20.00	101.2		6020
Copper	63 - 126	32.9		15.1		20.00	89.0		6020
Lead	71 - 119	39.1		18.3		20.00	104.0		6020
Zinc	62 - 126	78.5		59.0		20.00	97.5		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

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DUPLICATES

Client:	URS Corporation	**Service Request:**	K0805778
Project No.:	NA	**Units:**	UG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	WATER	**% Solids:**	0.0

Sample Name: Batch QC1D **Lab Code:** K0805397-016D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Copper		9.8	B	9.8	B	0.0		6010B
Iron	20	13900		13900		0.0		6010B
Zinc	20	51.7		52.0		0.6		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

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DUPLICATES

Client:	URS Corporation	**Service Request:**	K0805778
Project No.:	NA	**Units:**	UG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	WATER	**% Solids:**	0.0

Sample Name: Batch QC2D **Lab Code:** K0805397-019D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	20	7.12		6.93		2.7		6020
Cadmium	20	0.258		0.242		6.4		6020
Copper	20	15.1		14.8		2.0		6020
Lead	20	18.3		18.1		1.1		6020
Zinc	20	59.0		59.0		0.0		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

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LABORATORY CONTROL SAMPLE

Client: URS Corporation **Service Request:** K0805778

Project No.: NA

Project Name: Blue Ledge Mine

Aqueous LCS Source: Inorganic Ventures **Solid LCS Source:**

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	20	20.0	100.0					
Cadmium	20	19.1	95.5					
Calcium	12500	12200	97.6					
Copper	625	617	98.7					
Copper	20	19.8	99.0					
Iron	2500	2460	98.4					
Lead	20	19.6	98.0					
Magnesium	12500	12500	100.0					
Zinc	1250	1200	96.0					
Zinc	20	19.5	97.5					

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine
Sample Matrix: Water

Service Request: K0805778
Date Collected: 06/24/08
Date Received: 06/26/08

Hardness as CaCO3

Prep Method: CLAA
Analysis Method: 6010B/SM 2340B
Test Notes:

Units: mg/L (ppm)
Basis: NA

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
AR-01-SW-080624-URS	K0805778-001	0.4	1	07/01/08	07/03/08	41.6	
EC-01-SW-080624-URS	K0805778-002	0.4	1	07/01/08	07/03/08	42.3	
ARV-04-SW-080624-URS	K0805778-003	0.4	1	07/01/08	07/03/08	39.3	
AR-02-SW-080624-URS	K0805778-004	0.4	1	07/01/08	07/03/08	41.1	
DAM-01-080624-URS	K0805778-005	0.4	1	07/01/08	07/03/08	63.5	
AD-02-080624-URS	K0805778-006	0.4	1	07/01/08	07/03/08	548	
SP-01-080624-URS	K0805778-007	0.4	1	07/01/08	07/03/08	31.0	
AD-01-080624-URS	K0805778-008	0.4	1	07/01/08	07/03/08	576	
Method Blank	K0805778-MB	0.4	1	07/01/08	07/03/08	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine
Sample Matrix: Water

Service Request: K0805778
Date Collected: NA
Date Received: NA
Date Extracted: 07/01/08
Date Analyzed: 07/03/08

Duplicate Summary
Metals

Sample Name: Batch QC
Lab Code: K0805397-016D
Test Notes:

Units: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hardness as CaCO3	CLAA	6010B/SM 2340B	0.4	80.1	79.6	79.8	<1	

1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

July 24, 2008 Analytical Report for Service Request No: K0805893

Christina Wheeler
URS Corporation
111 SW Columbia
Suite 1500
Portland, OR 97201-5850

RE: Blue Ledge Mine/25696770.00001

Dear Christina:

Enclosed are the results of the samples submitted to our laboratory on June 30, 2008. For your reference, these analyses have been assigned our service request number K0805893.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Lynda Huckestein
Client Services Manager

LH/lb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	URS Corporation	**Service Request No.:**	K0805893
Project:	Blue Ledge Mine	**Date Received:**	6/30/2008
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Laboratory Control Sample (LCS).

Sample Receipt

Twenty five water samples were received for analysis at Columbia Analytical Services on 6/30/2008. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of these samples were observed.

Dissolved Metals

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 7/24/08

Chain of Custody Documentation

CHAIN OF CUSTODY

Columbia Analytical Services, Inc.
An Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

SR#: KCS05543

PAGE 1 OF 3 COC #

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 25096770
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: VRS
111 SW COLUMBIA SUITE 1500
CITY/STATE/ZIP: PORTLAND, OR. 97201
E-MAIL ADDRESS:
PHONE #: 503222-7200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐ Fuel Fingerprint (FIQ) ☐ NW-HCID ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐	Hex.Chrom ☐	pH, Cond. Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, (TSS, TDS) (circle) NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	ALKALINITY (SM2320B)	HARDNESS (SM2340B)			REMARKS
EC-02-SW-080625-VRS	6/25/08	1115		W	3								X		X			X	X					
EC-03-SW-080625-VRS		1210		W	3								X		X			X	X					
EC-04-SW-080625-VRS		1350		W	3								X		X			X	X					
EC-04-SW-DUP-080625-VRS		1435		W	3								X		X			X	X					
EC-05-SW-080625-VRS		1530		W	6								X		X			X	X					1
EC-06-SW-080625-VRS		1650		W	3								X		X			X	X					
EC-07-SW-080625-VRS		1725		W	3								X		X			X	X					
JC-01-SW-080626-VRS	6/26/08	1108		W	3								X		X			X	X					
JC-02-SW-080626-VRS		1220		W	3								X		X			X	X					
JC-03-SW-080626-VRS		1340		W	3								X		X			X	X					

6/24/08

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION

P.O. # 25096770.00001
Bill To:

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

① USE EXTRA VOLUME FOR MS/MSD

② 250 ml UNPRESERVED CONTAINERS + 500 ml HNO_3 CONTAINERS HAVE ALL BEEN FIELD FILTERED (FF).

4 COOLERS TOTAL

[redacted]

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time 6/30/08	Signature	Date/Time 6-30-08 10:20	Signature	Date/Time 6-30-08 1230	Signature	Date/Time 6/30/08 12:3
Printed Name	Firm VRS	Printed Name	Firm	Printed Name	Firm	Printed Name	Firm

RCOC #1 06/03

CHAIN OF CUSTODY

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An Employee - Owned Company

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PAGE 2 OF 3 SR#: 1016589[illegible] COC #

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 25696770.0001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: YRS
111 SW COLUMBIA, SUITE 1500
CITY/STATE/ZIP: PORTLAND, OR. 97201
E-MAIL ADDRESS:
PHONE #: 5032227200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐ ☐ Fuel Fingerprint (FIQ) ☐ NW-HCID Screen	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐	Hex-Chrom ☐	pH Cond.; Cl; SO_4; PO_4; F; NO_2; NO_3; BOD; TSS; TDS (circle)	NH_3-N; COD Total-P; TKN; TOC; DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	Aluminum (SM3120B)	Hardness (SM2340B)			REMARKS
JC-04-SW-080627-VMS	6/27/08	1630		W	3								X		X			X	X					
JC-07-SW-080626-VMS	6/26/08	1920		W	3								X		X			X	X					
JC-07-SW-DUP-080626-VMS	6/26/08	1922		W	3								X		X			X	X					
JC-08-SW-080626-VMS	6/26/08	1815		W	9								X		X			X	X					(see p. 1
JC-09-SW-080627-VMS	6/27/08	1105		W	3								X		X			X	X					
JC-10-SW-080627-VMS		1133		W	3								X		X			X	X					
JC-11-SW-080627-VMS		1150		W	3								X		X			X	X					
JC-12-SW-080627-VMS		1212		W	3								X		X			X	X					
JC-13-SW-080627-VMS		1240		W	3								X		X			X	X					
JC-14-SW-080627-VMS		1300		W	3								X		X			X	X					

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION

P.O. # 25696770.0001
Bill To:

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

[redacted]

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Printed Name: ANDREE RAY	Printed Name:	Printed Name:	Printed Name:
Date/Time: 6/30/08 1020	Date/Time: 6-30-08 10:20	Date/Time: 6-30-08 12:30	Date/Time: 6/30/08 1234
Firm: YRS	Firm: CAS	Firm: CAS	Firm: CAS

RCOC #1 06/03

CHAIN OF CUSTODY

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SR#: KC8058413

PAGE 3 OF 3 COC #

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 25896770.00001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: URS
111 SW COLUMBIA, SUITE 1500
CITY/STATE/ZIP: PORTLAND, OR. 97201
E-MAIL ADDRESS:
PHONE #: 5032227200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐	Fuel Fingerprint (FIO) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total ☐ (Dissolved) (See list below)	Cyanide ☐	Hex-Chrom ☐	pH, Cond., Cl, NO_3, BOD, TSS (DS) ☐ PO_4, F, NO_2, NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	ALKALINITY (SM2320B)	HARDNESS (SM2340B)			REMARKS
TP-15-SW-080627-URS	6/27/08	1325		W	3									X		X			X	X				
SP-02-080627-URS	↓	1705		W	3									X		X			X	X				
MG-01-SW-080627-URS	6/27/08	1625		W	3									X		X			X	X				
TMSC-01-SW-080627-URS	6/27/08	1545		W	3									X		X			X	X				
TMSC-02-SW-080627-URS	↓	1610		W	3									X		X			X	X				
																								TOTAL METALS BY 6/30/08

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION
P.O. # 25896770.00001
Bill To:

TURNAROUND REQUIREMENTS
____ 24 hr. ____ 48 hr.
____ 5 Day
X Standard (10-15 working days)
____ Provide FAX Results
Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

[redacted]

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date/Time: 6/30/08 1020	Date/Time: 6-30-08 10:20	Date/Time: 630008 12:30	Date/Time: 6/30/08 1235
Firm: URS	Firm: URS	Firm: URS	Firm: URS

Columbia Analytical Services, Inc.

PC CH

Cooler Receipt and Preservation Form

Client / Project: URS Service Request K08 05843

Received: 6/30/08 Opened: 6/30/08 By: KSmith

1. Samples were received via? *US Mail* *Fed Ex* *UPS* *DHL* *GH* *GS* *PDX* (*Courier*) *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? (NA) Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ NA (Y) N

5. Temperature of cooler(s) upon receipt (°C):	6.5C	.1C	7.4C	7.0C
Temperature Blank (°C):	5.9C	6.4C	6.4C	6.5C
6. If applicable, list Chain of Custody Numbers:				

7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Packing material used. *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Sleeves* *Other* _____
9. **Did all bottles arrive in good condition (unbroken)?** *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* (Y) N
12. **Were appropriate bottles/containers and volumes received for the tests indicated?** (Y) N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* NA (Y) N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* NA (Y) N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** (NA) Y N
16. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

*Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: _____

General Chemistry Parameters

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 06/25-27/08
Date Received : 06/30/08

Alkalinity as CaCO3, Total

Units : mg/L
Analysis Method : SM 2320 B
Basis : NA
Test Notes :

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
EC-02-SW-080625-URS	K0805893-001	2	1	1	07/01/08	43	
EC-03-SW-080625-URS	K0805893-002	2	1	1	07/02/08	41	
EC-04-SW-080625-URS	K0805893-003	2	1	1	07/02/08	42	
EC-04-SW-DUP-080625-URS	K0805893-004	2	1	1	07/02/08	44	
EC-05-SW-080625-URS	K0805893-005	2	1	1	07/02/08	42	
EC-06-SW-080625-URS	K0805893-006	2	1	1	07/02/08	38	
EC-07-SW-080625-URS	K0805893-007	2	1	1	07/02/08	47	
JC-01-SW-080625-URS	K0805893-008	2	1	1	07/02/08	35	
JC-02-SW-080625-URS	K0805893-009	2	1	1	07/02/08	33	
JC-03-SW-080625-URS	K0805893-010	2	1	1	07/02/08	31	
JC-04-SW-080627-URS	K0805893-011	2	1	1	07/02/08	32	
JC-07-SW-080626-URS	K0805893-012	2	1	1	07/02/08	20	
JC-07-SW-DUP-080626-URS	K0805893-013	2	1	1	07/02/08	22	
JC-08-SW-080626-URS	K0805893-014	2	1	1	07/02/08	21	
JC-09-SW-080627-URS	K0805893-015	2	1	1	07/02/08	22	
JC-10-SW-080627-URS	K0805893-016	2	1	1	07/02/08	25	
JC-11-SW-080627-URS	K0805893-017	2	1	1	07/02/08	25	
JC-12-SW-080627-URS	K0805893-018	2	1	1	07/02/08	24	
JC-13-SW-080627-URS	K0805893-019	2	1	1	07/02/08	25	
JC-14-SW-080627-URS	K0805893-020	2	1	1	07/02/08	26	
JC-15-SW-080627-URS	K0805893-021	2	1	1	07/02/08	26	
SP-02-080627-URS	K0805893-022	2	1	1	07/02/08	22	
MG-01-SW-080626-URS	K0805893-023	2	1	1	07/02/08	77	
T4JC-01-SW-080627-URS	K0805893-024	2	1	1	07/02/08	12	
T4JC-02-SW-080627-URS	K0805893-025	2	1	1	07/02/08	12	
Method Blank	K0805893-MB	2	1	1	07/02/08	ND	
Method Blank	K0805893-MB	2	1	1	07/02/08	ND	
Method Blank	K0805893-MB	2	1	1	07/01/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/25/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/02/08

Duplicate Summary
Inorganic Parameters

Sample Name : EC-05-SW-080625-URS
Lab Code : K0805893-005DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Alkalinity as CaCO3, Total	SM 2320 B	2	42	42	42	<1	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By:CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/26/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/02/08

Duplicate Summary
Inorganic Parameters

Sample Name : JC-08-SW-080626-URS
Lab Code : K0805893-014DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Alkalinity as CaCO3, Total	SM 2320 B	2	21	21	21	<1	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/01/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA

Test Notes :

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Alkalinity as CaCO3, Total	NONE	SM 2320 B	110	112	102	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/02/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Laboratory Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA

Test Notes :

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Alkalinity as CaCO3, Total	NONE	SM 2320 B	110	110	100	85-115	
Alkalinity as CaCO3, Total	NONE	SM 2320 B	110	108	98	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 06/25-27/08
Date Received : 06/30/08

Sulfate

Analysis Method : 300.0
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
EC-02-SW-080625-URS	K0805893-001	0.2	0.012	2	07/02/08	3.0	
EC-03-SW-080625-URS	K0805893-002	0.2	0.012	2	07/02/08	3.0	
EC-04-SW-080625-URS	K0805893-003	0.2	0.012	2	07/02/08	3.0	
EC-04-SW-DUP-080625-URS	K0805893-004	0.2	0.012	2	07/02/08	2.9	
EC-05-SW-080625-URS	K0805893-005	0.2	0.012	2	07/02/08	3.0	
EC-06-SW-080625-URS	K0805893-006	0.2	0.012	2	07/02/08	3.1	
EC-07-SW-080625-URS	K0805893-007	0.2	0.012	2	07/02/08	2.8	
JC-01-SW-080625-URS	K0805893-008	0.2	0.012	2	07/02/08	5.1	
JC-02-SW-080625-URS	K0805893-009	0.2	0.012	2	07/02/08	5.1	
JC-03-SW-080625-URS	K0805893-010	0.2	0.012	2	07/02/08	5.1	
JC-04-SW-080627-URS	K0805893-011	0.2	0.012	2	07/02/08	5.1	
JC-07-SW-080626-URS	K0805893-012	0.2	0.012	2	07/02/08	3.6	
JC-07-SW-DUP-080626-URS	K0805893-013	0.2	0.012	2	07/02/08	3.6	
JC-08-SW-080626-URS	K0805893-014	0.2	0.012	2	07/03/08	2.8	
JC-09-SW-080627-URS	K0805893-015	0.2	0.012	2	07/02/08	2.3	
JC-10-SW-080627-URS	K0805893-016	0.2	0.012	2	07/02/08	2.5	
JC-11-SW-080627-URS	K0805893-017	0.2	0.012	2	07/02/08	2.5	
JC-12-SW-080627-URS	K0805893-018	0.2	0.012	2	07/02/08	2.5	
JC-13-SW-080627-URS	K0805893-019	0.2	0.012	2	07/03/08	2.5	
JC-14-SW-080627-URS	K0805893-020	0.2	0.012	2	07/03/08	2.5	
JC-15-SW-080627-URS	K0805893-021	0.2	0.012	2	07/03/08	2.5	
SP-02-080627-URS	K0805893-022	1.0	0.030	5	07/03/08	18.3	
MG-01-SW-080626-URS	K0805893-023	0.2	0.012	2	07/03/08	9.0	
T4JC-01-SW-080627-URS	K0805893-024	0.2	0.012	2	07/03/08	1.0	
T4JC-02-SW-080627-URS	K0805893-025	0.2	0.012	2	07/03/08	1.0	
Method Blank	K0805893-MB	0.2	0.006	1	07/02/08	ND	
Method Blank	K0805893-MB	0.2	0.006	1	07/03/08	ND	
Method Blank	K0805893-MB	0.2	0.006	1	07/02/08	ND	

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/25/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/02/08

Duplicate Summary
Inorganic Parameters

Sample Name : EC-05-SW-080625-URS
Lab Code : K0805893-005DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	300.0	0.2	3.0	3.0	3.0	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/26/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/03/08

Duplicate Summary
Inorganic Parameters

Sample Name : JC-08-SW-080626-URS
Lab Code : K0805893-014DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	300.0	0.2	2.8	2.7	2.8	4	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/25/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/02/08

Matrix Spike Summary
Inorganic Parameters

Sample Name : EC-05-SW-080625-URS
Lab Code : K0805893-005MS
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	300.0	0.2	4.0	3.0	6.9	97	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/26/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/03/08

Matrix Spike Summary
Inorganic Parameters

Sample Name : JC-08-SW-080626-URS
Lab Code : K0805893-014MS
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	300.0	0.2	4.0	2.8	6.7	98	80-120	

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/02/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA

Test Notes :

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	NONE	300.0	5.0	4.6	92	90-110	
Sulfate	NONE	300.0	5.0	4.6	92	90-110	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/03/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	NONE	300.0	5.0	4.6	92	90-110	

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 06/25-27/08
Date Received : 06/30/08

Solids, Total Dissolved

Analysis Method : SM 2540 C
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
EC-02-SW-080625-URS	K0805893-001	5	5	1	07/01/08	77	
EC-03-SW-080625-URS	K0805893-002	5	5	1	07/01/08	76	
EC-04-SW-080625-URS	K0805893-003	5	5	1	07/01/08	64	
EC-04-SW-DUP-080625-URS	K0805893-004	5	5	1	07/01/08	82	
EC-05-SW-080625-URS	K0805893-005	5	5	1	07/01/08	66	
EC-06-SW-080625-URS	K0805893-006	5	5	1	07/01/08	73	
EC-07-SW-080625-URS	K0805893-007	5	5	1	07/01/08	71	
JC-01-SW-080625-URS	K0805893-008	5	5	1	07/02/08	48	
JC-02-SW-080625-URS	K0805893-009	5	5	1	07/02/08	37	
JC-03-SW-080625-URS	K0805893-010	5	5	1	07/02/08	55	
JC-04-SW-080627-URS	K0805893-011	5	5	1	07/02/08	40	
JC-07-SW-080626-URS	K0805893-012	5	5	1	07/02/08	43	
JC-07-SW-DUP-080626-URS	K0805893-013	5	5	1	07/02/08	15	
JC-08-SW-080626-URS	K0805893-014	5	5	1	07/02/08	21	
JC-09-SW-080627-URS	K0805893-015	5	5	1	07/02/08	15	
JC-10-SW-080627-URS	K0805893-016	5	5	1	07/02/08	26	
JC-11-SW-080627-URS	K0805893-017	5	5	1	07/02/08	14	
JC-12-SW-080627-URS	K0805893-018	5	5	1	07/02/08	33	
JC-13-SW-080627-URS	K0805893-019	5	5	1	07/02/08	29	
JC-14-SW-080627-URS	K0805893-020	5	5	1	07/02/08	17	
JC-15-SW-080627-URS	K0805893-021	5	5	1	07/02/08	18	
SP-02-080627-URS	K0805893-022	5	5	1	07/02/08	81	
MG-01-SW-080626-URS	K0805893-023	5	5	1	07/02/08	120	
T4JC-01-SW-080627-URS	K0805893-024	5	5	1	07/02/08	24	
T4JC-02-SW-080627-URS	K0805893-025	5	5	1	07/02/08	23	
Method Blank	K0805893-MB	5	5	1	07/01/08	ND	
Method Blank	K0805893-MB	5	5	1	07/02/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By:CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/25/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/01/08

Duplicate Summary
Inorganic Parameters

Sample Name : EC-05-SW-080625-URS
Lab Code : K0805893-005DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Dissolved	SM 2540 C	5	66	61	64	8	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/26/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/02/08

Duplicate Summary
Inorganic Parameters

Sample Name : JC-08-SW-080626-URS
Lab Code : K0805893-014DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Dissolved	SM 2540 C	5	21	21	21	<1	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/01/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA

Test Notes :

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Dissolved	NONE	SM 2540 C	718	770	107	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/02/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Dissolved	NONE	SM 2540 C	718	742	103	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 06/25-27/08
Date Received : 06/30/08

Solids, Total Suspended (TSS)

Units : mg/L
Analysis Method : SM 2540 D
Basis : NA
Test Notes :

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
EC-02-SW-080625-URS	K0805893-001	5	5	1	07/01/08	ND	
EC-03-SW-080625-URS	K0805893-002	5	5	1	07/01/08	ND	
EC-04-SW-080625-URS	K0805893-003	5	5	1	07/01/08	ND	
EC-04-SW-DUP-080625-URS	K0805893-004	5	5	1	07/01/08	ND	
EC-05-SW-080625-URS	K0805893-005	5	5	1	07/01/08	ND	
EC-06-SW-080625-URS	K0805893-006	5	5	1	07/01/08	ND	
EC-07-SW-080625-URS	K0805893-007	5	5	1	07/01/08	ND	
JC-01-SW-080625-URS	K0805893-008	5	5	1	07/02/08	ND	
JC-02-SW-080625-URS	K0805893-009	5	5	1	07/02/08	ND	
JC-03-SW-080625-URS	K0805893-010	5	5	1	07/02/08	ND	
JC-04-SW-080627-URS	K0805893-011	5	5	1	07/02/08	ND	
JC-07-SW-080626-URS	K0805893-012	5	5	1	07/02/08	ND	
JC-07-SW-DUP-080626-URS	K0805893-013	5	5	1	07/02/08	ND	
JC-08-SW-080626-URS	K0805893-014	5	5	1	07/02/08	ND	
JC-09-SW-080627-URS	K0805893-015	5	5	1	07/02/08	ND	
JC-10-SW-080627-URS	K0805893-016	5	5	1	07/02/08	ND	
JC-11-SW-080627-URS	K0805893-017	5	5	1	07/02/08	ND	
JC-12-SW-080627-URS	K0805893-018	5	5	1	07/02/08	ND	
JC-13-SW-080627-URS	K0805893-019	5	5	1	07/02/08	ND	
JC-14-SW-080627-URS	K0805893-020	5	5	1	07/02/08	ND	
JC-15-SW-080627-URS	K0805893-021	5	5	1	07/02/08	ND	
SP-02-080627-URS	K0805893-022	5	5	1	07/02/08	ND	
MG-01-SW-080626-URS	K0805893-023	5	5	1	07/02/08	ND	
T4JC-01-SW-080627-URS	K0805893-024	5	5	1	07/02/08	ND	
T4JC-02-SW-080627-URS	K0805893-025	5	5	1	07/02/08	ND	
Method Blank	K0805893-MB	5	5	1	07/01/08	ND	
Method Blank	K0805893-MB	5	5	1	07/02/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	6/25/2008
Project Number :	25696770.00001	**Date Received :**	6/30/2008
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/01/08

Duplicate Summary
Inorganic Parameters

Sample Name :	EC-05-SW-080625-URS	Units :	mg/L
Lab Code :	K0805893-005DUP	Basis :	NA

Test Notes :

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Suspended (TSS)	SM 2540 D	5	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0805893
Date Collected : 6/26/2008
Date Received : 6/30/2008
Date Prepared : NA
Date Analyzed : 07/02/08

Duplicate Summary
Inorganic Parameters

Sample Name : JC-08-SW-080626-URS
Lab Code : K0805893-014DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Suspended (TSS)	SM 2540 D	5	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/01/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA

Test Notes :

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Suspended (TSS)	NONE	SM 2540 D	209	216	103	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0805893
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/02/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0805893-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Suspended (TSS)	NONE	SM 2540 D	209	210	100	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CMIHAI-LAZAR

Metals

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	URS Corporation	**Service Request:**	K0805893
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/25/08
Sample Matrix:	Water	**Date Received:**	06/30/08

Hardness as CaCO3

Prep Method:	CLAA	Units:	mg/L (ppm)
Analysis Method:	6010B/SM 2340B	Basis:	NA
Test Notes:			

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
EC-02-SW-080625-URS	K0805893-001	0.4	1	07/08/08	07/10/08	43.9	
EC-03-SW-080625-URS	K0805893-002	0.4	1	07/08/08	07/10/08	44.3	
EC-04-SW-080625-URS	K0805893-003	0.4	1	07/08/08	07/10/08	44.0	
EC-04-SW-DUP-080625-URS	K0805893-004	0.4	1	07/08/08	07/10/08	43.1	
EC-05-SW-080625-URS	K0805893-005	0.4	1	07/08/08	07/10/08	43.4	
EC-06-SW-080625-URS	K0805893-006	0.4	1	07/08/08	07/10/08	40.4	
EC-07-SW-080625-URS	K0805893-007	0.4	1	07/08/08	07/10/08	44.9	
JC-01-SW-080625-URS	K0805893-008	0.4	1	07/08/08	07/10/08	37.0	
JC-02-SW-080625-URS	K0805893-009	0.4	1	07/08/08	07/10/08	37.1	
JC-03-SW-080625-URS	K0805893-010	0.4	1	07/08/08	07/10/08	36.4	
JC-04-SW-080627-URS	K0805893-011	0.4	1	07/08/08	07/10/08	35.0	
JC-07-SW-080626-URS	K0805893-012	0.4	1	07/08/08	07/10/08	20.8	
JC-07-SW-DUP-080626-URS	K0805893-013	0.4	1	07/08/08	07/10/08	20.9	
JC-08-SW-080626-URS	K0805893-014	0.4	1	07/08/08	07/10/08	20.6	
JC-09-SW-080627-URS	K0805893-015	0.4	1	07/08/08	07/10/08	21.3	
JC-10-SW-080627-URS	K0805893-016	0.4	1	07/08/08	07/10/08	24.5	
JC-11-SW-080627-URS	K0805893-017	0.4	1	07/08/08	07/10/08	23.8	
JC-12-SW-080627-URS	K0805893-018	0.4	1	07/08/08	07/10/08	23.6	
JC-13-SW-080627-URS	K0805893-019	0.4	1	07/08/08	07/10/08	24.0	
JC-14-SW-080627-URS	K0805893-020	0.4	1	07/08/08	07/10/08	23.8	
JC-15-SW-080627-URS	K0805893-021	0.4	1	07/08/08	07/10/08	23.9	
SP-02-080627-URS	K0805893-022	0.4	1	07/08/08	07/10/08	36.8	
MG-01-SW-080626-URS	K0805893-023	0.4	1	07/08/08	07/10/08	82.2	
T4JC-01-SW-080627-URS	K0805893-024	0.4	1	07/08/08	07/10/08	11.5	
T4JC-02-SW-080627-URS	K0805893-025	0.4	1	07/08/08	07/10/08	11.5	
Method Blank	K0805893-MB1	0.4	1	07/08/08	07/10/08	ND	
Method Blank	K0805893-MB2	0.4	1	07/08/08	07/10/08	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Water

Service Request: K0805893
Date Collected: 06/25/08
Date Received: 06/30/08
Date Extracted: 07/08/08
Date Analyzed: 07/10/08

Duplicate Summary
Metals

Sample Name: EC-05-SW-080625-URS
Lab Code: K0805893-005D
Test Notes:

Units: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hardness as CaCO3	CLAA	6010B/SM 2340B	0.4	43.4	43.5	43.4	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Water

Service Request: K0805893
Date Collected: 06/26/08
Date Received: 06/30/08
Date Extracted: 07/08/08
Date Analyzed: 07/10/08

Duplicate Summary
Metals

Sample Name: JC-08-SE-080626-URS
Lab Code: K0805893-014D
Test Notes:

Units: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hardness as CaCO3	CLAA	6010B/SM 2340B	0.4	20.6	20.1	20.4	2	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Water

Service Request: K0805893
Date Collected: 06/27/08
Date Received: 06/30/08
Date Extracted: 07/08/08
Date Analyzed: 07/10/08

Duplicate Summary
Metals

Sample Name: JC-15-SE-080627-URS
Lab Code: K0805893-021D
Test Notes:

Units: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hardness as CaCO3	CLAA	6010B/SM 2340B	0.4	23.9	23.6	23.8	1	

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.: 25696770.00001

Service Request: K0805893

Sample Name:	Lab Code:
Batch QC1D	K0805868-008D
Batch QC1S	K0805868-008S
EC-02-SW-080625-URS	K0805893-001 DISS
EC-03-SW-080625-URS	K0805893-002 DISS
EC-04-SW-080625-URS	K0805893-003 DISS
EC-04-SW-DUP-080625-URS	K0805893-004 DISS
EC-05-SW-080625-URS	K0805893-005 DISS
EC-05-SW-080625-URSD	K0805893-005D DISS
EC-05-SW-080625-URSS	K0805893-005S DISS
EC-06-SW-080625-URS	K0805893-006 DISS
EC-07-SW-080625-URS	K0805893-007 DISS
JC-01-SW-080625-URS	K0805893-008 DISS
JC-02-SW-080625-URS	K0805893-009 DISS
JC-03-SW-080625-URS	K0805893-010 DISS
JC-04-SW-080627-URS	K0805893-011 DISS
JC-07-SW-080626-URS	K0805893-012 DISS
JC-07-SW-DUP-080626-URS	K0805893-013 DISS
JC-08-SW-080626-URS	K0805893-014 DISS
JC-08-SW-080626-URSD	K0805893-014D DISS
JC-08-SW-080626-URSS	K0805893-014S DISS
JC-09-SW-080627-URS	K0805893-015 DISS
JC-10-SW-080627-URS	K0805893-016 DISS
JC-11-SW-080627-URS	K0805893-017 DISS
JC-12-SW-080627-URS	K0805893-018 DISS
JC-13-SW-080627-URS	K0805893-019 DISS
JC-14-SW-080627-URS	K0805893-020 DISS
JC-15-SW-080627-URS	K0805893-021 DISS
JC-15-SW-080627-URSD	K0805893-021D DISS
JC-15-SW-080627-URSS	K0805893-021S DISS
SP-02-080627-URS	K0805893-022 DISS
MG-01-SW-080626-URS	K0805893-023 DISS
T4JC-01-SW-080627-URS	K0805893-024 DISS
T4JC-02-SW-080627-URS	K0805893-025 DISS
Method Blank	K0805893-MB
Method Blank	K0805893-MB2

Comments:

Approved By: _____ **Date:** 7/22/08

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-02-SW-080625-URS **Lab Code:** K0805893-001 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.37	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.038		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	3.62		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.008	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	4.94		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-03-SW-080625-URS **Lab Code:** K0805893-002 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.31	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.046		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	3.22		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	B	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.015	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	4.38		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-04-SW-080625-URS **Lab Code:** K0805893-003 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.37	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.040		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	3.22		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.012	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	3.82		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-04-SW-DUP-080625-URS **Lab Code:** K0805893-004 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.40	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.049		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	3.25		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.013	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	4.73		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-05-SW-080625-URS **Lab Code:** K0805893-005 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.39	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.042		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	3.03		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.008	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	3.49		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-06-SW-080625-URS **Lab Code:** K0805893-006 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.22	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.180		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	13.9		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.016	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	22.3		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/25/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: EC-07-SW-080625-URS **Lab Code:** K0805893-007 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.35	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.46		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.011	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.61		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/26/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-01-SW-080625-URS **Lab Code:** K0805893-008 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.564		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	31.3		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.014	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	79.4		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/26/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-02-SW-080625-URS **Lab Code:** K0805893-009 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.519		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	35.6		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.014	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	69.3		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/26/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-03-SW-080625-URS **Lab Code:** K0805893-010 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.496		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	34.9		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.017	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	63.7		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected: 6/27/08
Date Received: 6/30/08
Units: ug/L
Basis: N/A

Sample Name: JC-04-SW-080627-URS
Lab Code: K0805893-011 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.504		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	31.8		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	5.1	B	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.014	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	61.2		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/26/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-07-SW-080626-URS **Lab Code:** K0805893-012 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.537		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	62.8		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.060		
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	88.5		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/26/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-07-SW-DUP-080626-URS **Lab Code:** K0805893-013 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.519		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	62.4		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.066		
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	87.6		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/26/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-08-SW-080626-URS **Lab Code:** K0805893-014 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.228		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	29.0		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.043		
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	42.9		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-09-SW-080627-URS **Lab Code:** K0805893-015 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.031		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	3.45		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.014	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	6.01		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected: 6/27/08
Date Received: 6/30/08
Units: ug/L
Basis: N/A

Sample Name: JC-10-SW-080627-URS
Lab Code: K0805893-016 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.77		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.007	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.65		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-11-SW-080627-URS **Lab Code:** K0805893-017 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.08	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.75		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.010	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.49	B	

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected: 6/27/08
Date Received: 6/30/08
Units: ug/L
Basis: N/A

Sample Name: JC-12-SW-080627-URS
Lab Code: K0805893-018 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.73		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.007	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.75		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-13-SW-080627-URS **Lab Code:** K0805893-019 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.84		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.008	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.82		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-14-SW-080627-URS **Lab Code:** K0805893-020 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.71		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.013	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	1.10		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: JC-15-SW-080627-URS **Lab Code:** K0805893-021 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.74		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.012	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.92		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: SP-02-080627-URS **Lab Code:** K0805893-022 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	5.450		
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	699		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.219		
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	913		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected: 6/27/08
Date Received: 6/30/08
Units: ug/L
Basis: N/A

Sample Name: MG-01-SW-080626-URS
Lab Code: K0805893-023 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.29	B	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.51		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	22.4		
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.010	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	1.13		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected: 6/27/08
Date Received: 6/30/08
Units: ug/L
Basis: N/A

Sample Name: T4JC-01-SW-080627-URS
Lab Code: K0805893-024 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.86		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.035		
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	1.90		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	URS Corporation	**Service Request:**	K0805893
Project No.:	25696770.00001	**Date Collected:**	6/27/08
Project Name:	Blue Ledge Mine	**Date Received:**	6/30/08
Matrix:	WATER	**Units:**	ug/L
		Basis:	N/A

Sample Name: T4JC-02-SW-080627-URS **Lab Code:** K0805893-025 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.89		
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	7.4	B	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.009	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	1.93		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected:
Date Received:
Units: ug/L
Basis: N/A

Sample Name: Method Blank
Lab Code: K0805893-MB

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.02	U	
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.003	U	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.06	U	

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0805893
Date Collected:
Date Received:
Units: ug/L
Basis: N/A

Sample Name: Method Blank
Lab Code: K0805893-MB2

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/18/08	07/10/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/18/08	07/10/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/18/08	07/10/08	0.02	U	
Iron	6010B	20.0	4.0	1.0	07/18/08	07/10/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/18/08	07/10/08	0.009	B	
Zinc	6020	0.50	0.06	1.0	07/18/08	07/10/08	0.06	U	

% Solids: 0.0

Comments:

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: URS Corporation

Service Request: K0805893

Project No.: 25696770.00001

Units: UG/L

Project Name: Blue Ledge Mine

Basis: N/A

Matrix: WATER

% Solids: 0.0

Sample Name: EC-05-SW-080625-URSS

Lab Code: K0805893-005S DISS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	74 - 126	20.8		0.39	B	20.00	102.0		6020
Cadmium	84 - 113	20.6		0.042		20.00	102.8		6020
Copper	63 - 126	23.3		3.03		20.00	101.4		6020
Iron	68 - 135	1020		4.0	U	1000.00	102.0		6010B
Lead	71 - 119	20.3		0.008	B	20.00	101.5		6020
Zinc	62 - 126	24.1		3.49		20.00	103.0		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0805893
Project No.: 25696770.00001
Units: UG/L
Project Name: Blue Ledge Mine
Basis: N/A
Matrix: WATER
% Solids: 0.0

Sample Name: JC-08-SW-080626-URSS
Lab Code: K0805893-014S DISS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	74 - 126	20.3		0.07	U	20.00	101.5		6020
Cadmium	84 - 113	21.2		0.228		20.00	104.9		6020
Copper	63 - 126	48.0		29.0		20.00	95.0		6020
Iron	68 - 135	1040		4.0	U	1000.00	104.0		6010B
Lead	71 - 119	21.1		0.043		20.00	105.3		6020
Zinc	62 - 126	63.2		42.9		20.00	101.5		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0805893
Project No.: 25696770.00001
Units: UG/L
Project Name: Blue Ledge Mine
Basis: N/A
Matrix: WATER
% Solids: 0.0

Sample Name: JC-15-SW-080627-URSS
Lab Code: K0805893-021S DISS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Iron	68 - 135	1010		4.0	U	1000.00	101.0		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: URS Corporation

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Matrix: WATER

Service Request: K0805893

Units: UG/L

Basis: N/A

% Solids: 0.0

Sample Name: Batch QC1S

Lab Code: K0805868-008S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	74 - 126	20.5		0.43	B	20.00	100.4		6020
Cadmium	84 - 113	20.4		0.131		20.00	101.3		6020
Copper	63 - 126	19.7		0.50		20.00	96.0		6020
Lead	71 - 119	20.0		0.164		20.00	99.2		6020
Zinc	62 - 126	23.9		4.99		20.00	94.6		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 6 -

DUPLICATES

Client: URS Corporation

Service Request: K0805893

Project No.: 25696770.00001

Units: UG/L

Project Name: Blue Ledge Mine

Basis: N/A

Matrix: WATER

% Solids: 0.0

Sample Name: EC-05-SW-080625-URSD

Lab Code: K0805893-005D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.39	B	0.35	B	10.8		6020
Cadmium		0.042		0.040		4.9		6020
Copper	20	3.03		3.06		1.0		6020
Iron		4.0	U	4.0	U			6010B
Lead		0.008	B	0.007	B	13.3		6020
Zinc	20	3.49		4.05		14.9		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 6 -

DUPLICATES

Client: URS Corporation
Service Request: K0805893

Project No.: 25696770.00001
Units: UG/L

Project Name: Blue Ledge Mine
Basis: N/A

Matrix: WATER
% Solids: 0.0

Sample Name: JC-08-SW-080626-URSD
Lab Code: K0805893-014D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.07	U	0.07	U			6020
Cadmium	20	0.228		0.246		7.6		6020
Copper	20	29.0		27.9		3.9		6020
Iron		4.0	U	4.0	U			6010B
Lead		0.043		0.046		6.7		6020
Zinc	20	42.9		42.9		0.0		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 6 -

DUPLICATES

Client: URS Corporation
Service Request: K0805893

Project No.: 25696770.00001
Units: UG/L

Project Name: Blue Ledge Mine
Basis: N/A

Matrix: WATER
% Solids: 0.0

Sample Name: JC-15-SW-080627-URSD
Lab Code: K0805893-021D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Iron		4.0	U	4.0	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 6 -

DUPLICATES

Client: URS Corporation
Service Request: K0805893

Project No.: 25696770.00001
Units: UG/L

Project Name: Blue Ledge Mine
Basis: N/A

Matrix: WATER
% Solids: 0.0

Sample Name: Batch QC1D
Lab Code: K0805868-008D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.43	B	0.36	B	17.7		6020
Cadmium	20	0.131		0.132		0.8		6020
Copper		0.50		0.48		4.1		6020
Lead	20	0.164		0.159		3.1		6020
Zinc	20	4.99		4.72		5.6		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

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LABORATORY CONTROL SAMPLE

Client: URS Corporation Service Request: K0805893

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source: Inorganic Ventures Solid LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	20	20.5	102.5					
Cadmium	20	20.4	102.0					
Calcium	12500	12600	100.8					
Copper	20	20.3	101.5					
Iron	2500	2510	100.4					
Lead	20	20.3	101.5					
Magnesium	12500	13300	106.4					
Zinc	20	20.3	101.5					

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation Service Request: K0805893

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source: Inorganic Ventures Solid LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	20	20.1	100.5					
Cadmium	20	20.7	103.5					
Calcium	12500	13000	104.0					
Copper	20	20.4	102.0					
Iron	2500	2560	102.4					
Lead	20	20.7	103.5					
Magnesium	12500	13700	109.6					
Zinc	20	20.4	102.0					

1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

July 24, 2008 Analytical Report for Service Request No: K0805944

Christina Wheeler
URS Corporation
111 SW Columbia
Suite 1500
Portland, OR 97201-5850

RE: Blue Ledge Mine/25696770.00001

Dear Christina:

Enclosed are the results of the samples submitted to our laboratory on July 01, 2008. For your reference, these analyses have been assigned our service request number K0805944.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Lynda Huckestein
Client Services Manager

LH/lb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	URS Corporation	**Service Request No.:**	K0805944
Project:	Blue Ledge Mine	**Date Received:**	7/1/2008
Sample Matrix:	Sediment		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Laboratory Control Sample (LCS).

Sample Receipt

Thirty seven sediment samples were received for analysis at Columbia Analytical Services on 7/1/2008. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of these samples were observed.

Total Metals

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recoveries of Iron for samples EC-07-RS-080625-URS, JC-08-SD-080626-URS, and JC-12-SD-080627-URS are not applicable. The analyte concentration in the samples was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recoveries.

Relative Percent Difference Exceptions:
The Relative Percent Difference (RPD) for the replicate analysis of Arsenic in sample JC-08-SD-080626-URS was outside the normal CAS control limits. The variability in the results is attributed to the heterogeneous character of the sample. Standard mixing techniques were used, but were not sufficient for complete homogenization of this sample.

The control criteria for matrix spike recovery of Lead for sample JC-12-SD-080627-URS is not applicable. The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

Approved by _____ **Date** 7/24/08

Chain of Custody Documentation

CHAIN OF CUSTODY

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An Employee - Owned Company

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SR#: 1080 5944

PAGE 1 OF _____ COC #_____

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 25696770.0001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: URS
CITY/STATE/ZIP: 111 SW COLUMBIA, SUITE 1500
E-MAIL ADDRESS:
PHONE #: 503 222 7200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐ Fuel Fingerprint (FiQ) ☐ NW-HCID ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐	Hex-Chrom ☐	pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	% Moisture	Particle Size (PSEP/PMEL)		REMARKS
AIC-01-RS-080624-URS	6/24/08	1658		S	2								X						X	X			
AIC-01-SD-080624-URS		1645		S	2								X						X	X			
AIC-02-SD-080624-URS		1558		S	2								X						X	X			
AIC-03-SD-080624-URS		1533		S	2								X						X	X			
~~AIC-02-SD-080624-URS~~		1520		S	2								X						X	X			
AIC-02-SD-080624-URS																							
AIC-03-SD-080624-URS		1225		S	2								X						X	X			
AIC-04-SD-080624-URS		1250		S	2								X						X	X			
EC-01-RS-080624-URS		1745		S	2								X						X	X			
EC-01-SD-080624-URS		1735		S	2								X						X	X			

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION

P.O. # 25696770.0000
Bill To: _____

TURNAROUND REQUIREMENTS

____ 24 hr. ____ 48 hr.
____ 5 Day
X Standard (10-15 working days)
____ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

SOIL + SEDIMENT RESULTS SHOULD BE REPORTED ON A DRY WEIGHT BASIS

Container Supply Number 9160

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature]	Signature: [signature]	Signature:	Signature: [signature]
Date/Time: 7/10/08 1025	Date/Time: 7/10/08 1025	Date/Time:	Date/Time: 7/10/08
Printed Name: JENNIFER HENRY	Printed Name: [signature]	Printed Name:	Printed Name: Tracy Black
Firm: URS	Firm: MS	Firm:	Firm: LAA

BCOC #1 06/03

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PAGE 32 OF _____ SR#: KU805944 COC #_____

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 25696.770.0001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: URS
111 SW COLUMBIA, SUITE 1500
CITY/STATE/ZIP: PORTLAND, OR. 97201
E-MAIL ADDRESS:
PHONE #: 503 222 7200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐ Fuel Fingerprint (FIQ) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐	Hex-Chrom ☐	pH, Cond, Cl, SO_4, PO4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	Zr Moisture	Particle Size (1x2" Plug)		REMARKS
EC-02-RS-080625-URS	6/25/08	1136		S	2								X						X	X			
EC-02-SD-080625-URS		1120		S	2								X						X	X			
EC-03-SD-080625-URS		1215		S	2								X						X	X			
EC-04-SD-080625-URS		1355		S	2								X						X	X			
EC-04-SD-DUP-080625-URS		1400		S	2								X						X	X			
EC-05-RS-080625-URS		1550		S	2								X						X	X			
EC-05-RS-DUP-080625-URS		1553		S	2								X						X	X			
EC-05-SD-080625-URS		1540		S	2								X						X	X			①
EC-06-SD-080625-URS		1650		S	2								X						X	X			
EC-07-RS-080625-URS		1730		S	4								X						X	X			①

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION

P.O. # 25696.770.0001
Bill To: _____

TURNAROUND REQUIREMENTS

____ 24 hr. ____ 48 hr.
____ 5 Day
X Standard (10-15 working days)
____ Provide FAX Results
_____ Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
① USE EXTRA VOLUME FOR MS/MSD

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature]	Signature: [signature]	Signature:	Signature: [signature]
Date/Time: 7/1/08 1025	Date/Time: 7/1/08 1025	Date/Time:	Date/Time: 7/1/08 1410
Printed Name: [illegible]	Printed Name: [illegible]	Printed Name:	Printed Name: Tracy Black
Firm: URS	Firm: URS	Firm:	Firm: URS

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An Employee - Owned Company

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PAGE 4 OF 5 SR#: K0805944 COC #

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 25696770.00001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: URS
111 SW Columbia Suite 1500
CITY/STATE/ZIP: Portland, OR 97201
E-MAIL ADDRESS:
PHONE #: 503-222-7200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐	Fuel Fingerprint (FIO) NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals (Total or Dissolved) (See list below)	Cyanide ☐ Hex-Chrom ☐	pH, Cond, Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	% moisture	Particle size (ASTM D422)	REMARKS
EC-07-SD-080626-URS	6/26	1730		S	2										X					X	X	
SC-01-SD-080626-URS	6/26	1115		S	2										X					X	X	
SC-01-RS-080626-URS	6/26	1120		S	2										X					X	X	
SC-02-SD-080626-URS	6/26	1225		S	2										X					X	X	
SC-03-RS-080626-URS	↓	1350		S	2										X					X	X	
SC-03-SD-080626-URS	↓	1345		S	2										X					X	X	
SC-04-RS-080627-URS	6/27	1640		S	2										X					X	X	
SC-04-SD-080627-URS	↓	1635		S	2										X					X	X	
SC-08-SD-080626-URS	6/26	1825		S	4										X					X	X	(1 sep 2)
SC-10-SD-080627-URS	6/27	1133		S	2										X					X	X	

10

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION

P.O. # 25696770.00001
Bill To:

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results
Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm:	Firm:	Firm:	Firm:
Date/Time: 7/10/08 1025	Date/Time: 7/10/08 1829	Date/Time:	Date/Time: 7/11/08 1410

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SR#: 1080594 4

PAGE 4 OF _____ COC #_____

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 256967 70.0001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: URS
CITY/STATE/ZIP: 111 SW COLUMBIA, SUITE 1500
E-MAIL ADDRESS:
PHONE #: 503 222 7200 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (see below) Gas ☐ Diesel ☐ Oil ☐ Fuel Fingerprint (FIC) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐	Hex-Chrom ☐	pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	% Moisture	Particle Size (Sed. Only)		REMARKS
SC-05-SD-DUP-08627-URS	8/26/08	1545			2								X						X	X			
SC-11-SD-08627-URS	8/26/08	1200			2								X						X	X			
SP-12-RS-08627-URS		1225			2								X						X	X			
SC-12-SD-08627-URS		1215			4								X						X	X			Use p2
SC-13-SD-08627-URS		1245			2								X						X	X			
SC-14-RS-08627-URS		1310			2								X						X	X			
SC-14-SD-08627-URS		1305			2								X						X	X			
SC-15-SD-08627-URS	↓	1330			2								X						X	X			

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION
P.O. # 256967 70.0001
Bill To: _____

TURNAROUND REQUIREMENTS
____ 24 hr. ____ 48 hr.
____ 5 Day
X Standard (10-15 working days)
____ Provide FAX Results
_____ Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) Fe (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date/Time: 7/10/08 1025	Date/Time: 7/10/08 10:25	Date/Time:	Date/Time: 7/10/08 1410
Printed Name: Jason Eatherton	Printed Name:	Printed Name:	Printed Name: Tony Black
Firm: URS	Firm: CDD	Firm:	Firm: URS

BCOC #1 06/03

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC LH

Client / Project: URS Service Request K08 05944

Received: 07/01/08 Opened: 07/01/08 By: SB

1. Samples were received via? *US Mail* *Fed Ex* *UPS* *DHL* *GH* *GS* *PDX* (Courier) *Hand Delivered*
2. Samples were received in: (circle) (Cooler) *Box* *Envelope* *Other* _____ NA
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ (NA) Y N

5. Temperature of cooler(s) upon receipt (°C):	1.2	5.2		
Temperature Blank (°C):	7.1	3.1		
6. If applicable, list Chain of Custody Numbers:				

7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Packing material used. *Inserts* *Baggies* (Bubble Wrap) *Gel Packs* (Wet Ice) *Sleeves* *Other* _____
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* Y (N)
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* (NA) Y N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* (NA) Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? (NA) Y N
16. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC
ARV-02	ARV-02-SD-080624-URS		
EC-05-SD-080625-URS	EC-05-SD-DUP-080625-URS		

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: _____

Total Solids

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
AR-01-RS-080624-URS	K0805944-001	06/24/2008	07/01/2008	07/03/2008	86.1	
AR-01-SD-080624-URS	K0805944-002	06/24/2008	07/01/2008	07/03/2008	73.3	
AR-02-SD-080624-URS	K0805944-003	06/24/2008	07/01/2008	07/03/2008	89.0	
ARV-01-SD-080624-URS	K0805944-004	06/24/2008	07/01/2008	07/03/2008	72.6	
ARV-02-SD-080624-URS	K0805944-005	06/24/2008	07/01/2008	07/03/2008	64.7	
ARV-03-SD-080624-URS	K0805944-006	06/24/2008	07/01/2008	07/03/2008	46.9	
EC-01-SD-080624-URS	K0805944-007	06/24/2008	07/01/2008	07/03/2008	85.8	
EC-02-RS-080625-URS	K0805944-008	06/25/2008	07/01/2008	07/03/2008	78.8	
EC-02-SD-080625-URS	K0805944-009	06/25/2008	07/01/2008	07/03/2008	74.2	
EC-03-SD-080625-URS	K0805944-010	06/25/2008	07/01/2008	07/03/2008	86.3	
EC-04-SD-080625-URS	K0805944-011	06/25/2008	07/01/2008	07/03/2008	89.9	
EC-04-SD-DUP-080625-URS	K0805944-012	06/25/2008	07/01/2008	07/03/2008	83.1	
EC-05-RS-080625-URS	K0805944-013	06/25/2008	07/01/2008	07/03/2008	84.0	
EC-05-RS-DUP-080625-URS	K0805944-014	06/25/2008	07/01/2008	07/03/2008	80.4	
EC-05-SD-080625-URS	K0805944-015	06/25/2008	07/01/2008	07/03/2008	82.1	
EC-06-SD-080625-URS	K0805944-016	06/25/2008	07/01/2008	07/03/2008	74.5	
EC-07-RS-080625-URS	K0805944-017	06/25/2008	07/01/2008	07/03/2008	74.8	
EC-07-SD-080625-URS	K0805944-018	06/25/2008	07/01/2008	07/03/2008	75.6	
JC-01-SD-080626-URS	K0805944-019	06/26/2008	07/01/2008	07/03/2008	86.1	
JC-01-RS-080626-URS	K0805944-020	06/26/2008	07/01/2008	07/03/2008	78.9	
JC-02-SD-080626-URS	K0805944-021	06/26/2008	07/01/2008	07/03/2008	94.3	
JC-03-RS-080626-URS	K0805944-022	06/26/2008	07/01/2008	07/03/2008	99.3	
JC-03-SD-080626-URS	K0805944-023	06/26/2008	07/01/2008	07/03/2008	92.3	
JC-04-RS-080627-URS	K0805944-024	06/27/2008	07/01/2008	07/03/2008	96.7	
JC-04-SD-080627-URS	K0805944-025	06/27/2008	07/01/2008	07/03/2008	86.9	
JC-08-SD-080626-URS	K0805944-026	06/26/2008	07/01/2008	07/03/2008	79.2	
JC-10-SD-080627-URS	K0805944-027	06/27/2008	07/01/2008	07/03/2008	61.4	
EC-05-SD-DUP-080625-URS	K0805944-028	06/25/2008	07/01/2008	07/03/2008	80.9	
JC-11-SD-080627-URS	K0805944-029	06/27/2008	07/01/2008	07/03/2008	83.9	
JC-12-RS-080627-URS	K0805944-030	06/27/2008	07/01/2008	07/03/2008	94.5	
JC-12-SD-080627-URS	K0805944-031	06/27/2008	07/01/2008	07/03/2008	87.6	
JC-13-SD-080627-URS	K0805944-032	06/27/2008	07/01/2008	07/03/2008	84.4	
JC-14-RS-080627-URS	K0805944-033	06/27/2008	07/01/2008	07/03/2008	80.9	
JC-14-SD-080627-URS	K0805944-034	06/27/2008	07/01/2008	07/03/2008	88.5	
JC-15-SD-080627-URS	K0805944-035	06/27/2008	07/01/2008	07/03/2008	85.1	
ARV-04-SD-080624-URS	K0805944-036	06/24/2008	07/01/2008	07/03/2008	60.3	
EC-01-RS-080624-URS	K0805944-037	06/24/2008	07/01/2008	07/03/2008	80.7	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0805944
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/24/2008
Sample Matrix:	Sediment	**Date Received:**	07/01/2008
		Date Analyzed:	07/03/2008

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
AR-01-RS-080624-URS	K0805944-001	86.1	84.0	85.1	2	

Client:	URS Corporation	**Service Request:**	K0805944
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/25/2008
Sample Matrix:	Sediment	**Date Received:**	07/01/2008
		Date Analyzed:	07/03/2008

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
EC-07-RS-080625-URS	K0805944-017	74.8	74.8	74.8	<1	

Client:	URS Corporation	**Service Request:**	K0805944
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/26/2008
Sample Matrix:	Sediment	**Date Received:**	07/01/2008
		Date Analyzed:	07/03/2008

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
JC-08-SD-080626-URS	K0805944-026	79.2	78.6	78.9	<1	

Client:	URS Corporation	**Service Request:**	K0805944
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/27/2008
Sample Matrix:	Sediment	**Date Received:**	07/01/2008
		Date Analyzed:	07/03/2008

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
JC-12-SD-080627-URS	K0805944-031	87.6	86.6	87.1	1	

General Chemistry Parameters

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: AR-01-RS-080624-URS
Lab Code: K0805944-001

Sand Fraction: Weight (Grams)	62.9648
Sand Fraction: Weight Recovered (Grams)	63.1097
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	79.1868
Percent Solids	86.1
Weight Oven-Dried (Grams)	68.1798

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	1.2941	1.90
Gravel, Fine	2.00 mm	10	1.6449	2.41
Sand, Very Coarse	0.850 mm	20	3.0826	4.52
Sand, Coarse	0.425 mm	40	4.3204	6.34
Sand, Medium	0.250 mm	60	17.6646	25.9
Sand, Fine	0.106 mm	140	28.7832	42.2
Sand, Very Fine	0.075 mm	200	4.3341	6.36
Silt			5.4700	8.02
Clay			0.2800	0.41
		Total	66.8739	98.1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: AR-01-SD-080624-URS
Lab Code: K0805944-002

Sand Fraction: Weight (Grams)	74.8421
Sand Fraction: Weight Recovered (Grams)	74.9577
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	100.1216
Percent Solids	73.3
Weight Oven-Dried (Grams)	73.3891

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.6683	0.91
Gravel, Fine	2.00 mm	10	1.5384	2.10
Sand, Very Coarse	0.850 mm	20	7.8370	10.7
Sand, Coarse	0.425 mm	40	17.2860	23.6
Sand, Medium	0.250 mm	60	21.5701	29.4
Sand, Fine	0.106 mm	140	21.3246	29.1
Sand, Very Fine	0.075 mm	200	3.7680	5.13
Silt			3.5500	4.84
Clay			0.0500	0.07
		Total	77.5924	106

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: AR-02-SD-080624-URS
Lab Code: K0805944-003

Sand Fraction: Weight (Grams)	84.1149
Sand Fraction: Weight Recovered (Grams)	84.1414
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	91.1346
Percent Solids	89.0
Weight Oven-Dried (Grams)	81.1098

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	14.6284	18.0
Gravel, Fine	2.00 mm	10	19.7187	24.3
Sand, Very Coarse	0.850 mm	20	31.9851	39.4
Sand, Coarse	0.425 mm	40	10.9635	13.5
Sand, Medium	0.250 mm	60	4.8222	5.95
Sand, Fine	0.106 mm	140	1.6912	2.09
Sand, Very Fine	0.075 mm	200	0.2600	0.32
Silt			0.4100	0.51
Clay			-0.0016	0.00
		Total	84.4775	104

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: ARV-01-SD-080624-URS
Lab Code: K0805944-004

Sand Fraction: Weight (Grams)	63.5412
Sand Fraction: Weight Recovered (Grams)	63.4998
Sand Fraction: Percent Recovery	99.9

Weight as received (Grams)	89.8499
Percent Solids	72.6
Weight Oven-Dried (Grams)	65.2310

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.0770	0.12
Gravel, Fine	2.00 mm	10	0.0442	0.07
Sand, Very Coarse	0.850 mm	20	1.7103	2.62
Sand, Coarse	0.425 mm	40	17.7086	27.1
Sand, Medium	0.250 mm	60	24.5321	37.6
Sand, Fine	0.106 mm	140	16.1859	24.8
Sand, Very Fine	0.075 mm	200	2.5096	3.85
Silt			3.7150	5.70
Clay			0.0350	0.05
		Total	66.5177	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: ARV-02-SD-080624-URS
Lab Code: K0805944-005

Sand Fraction: Weight (Grams)	54.8390
Sand Fraction: Weight Recovered (Grams)	54.9334
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	86.5707
Percent Solids	64.7
Weight Oven-Dried (Grams)	56.0112

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	1.0765	1.92
Gravel, Fine	2.00 mm	10	0.7147	1.28
Sand, Very Coarse	0.850 mm	20	6.7972	12.1
Sand, Coarse	0.425 mm	40	13.8069	24.7
Sand, Medium	0.250 mm	60	17.8249	31.8
Sand, Fine	0.106 mm	140	12.3342	22.0
Sand, Very Fine	0.075 mm	200	1.8985	3.39
Silt			2.2950	4.10
Clay			0.0100	0.02
		Total	56.7579	101

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: ARV-03-SD-080624-URS
Lab Code: K0805944-006

Sand Fraction: Weight (Grams)	25.6388
Sand Fraction: Weight Recovered (Grams)	25.5137
Sand Fraction: Percent Recovery	99.5

Weight as received (Grams)	55.0286
Percent Solids	64.6
Weight Oven-Dried (Grams)	35.5485

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.0915	0.26
Gravel, Fine	2.00 mm	10	0.1058	0.30
Sand, Very Coarse	0.850 mm	20	0.1373	0.39
Sand, Coarse	0.425 mm	40	0.2823	0.79
Sand, Medium	0.250 mm	60	1.3776	3.88
Sand, Fine	0.106 mm	140	13.1483	37.0
Sand, Very Fine	0.075 mm	200	6.8790	19.4
Silt			13.4200	37.8
Clay			0.0000	0.00
		Total	35.4418	99.7

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-01-SD-080624-URS
Lab Code: K0805944-007

Sand Fraction: Weight (Grams)	75.9438
Sand Fraction: Weight Recovered (Grams)	75.9600
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	92.7925
Percent Solids	85.8
Weight Oven-Dried (Grams)	79.6160

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	3.0550	3.84
Gravel, Fine	2.00 mm	10	17.2662	21.7
Sand, Very Coarse	0.850 mm	20	25.6141	32.2
Sand, Coarse	0.425 mm	40	6.7672	8.50
Sand, Medium	0.250 mm	60	11.4101	14.3
Sand, Fine	0.106 mm	140	10.2816	12.9
Sand, Very Fine	0.075 mm	200	1.1898	1.49
Silt			1.2350	1.55
Clay			-0.0012	0.00
		Total	76.8178	96.5

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-02-RS-080625-URS
Lab Code: K0805944-008

Sand Fraction: Weight (Grams)	67.2815
Sand Fraction: Weight Recovered (Grams)	65.8024
Sand Fraction: Percent Recovery	97.8

Weight as received (Grams)	85.1105
Percent Solids	80.9
Weight Oven-Dried (Grams)	68.8544

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	14.0269	20.4
Gravel, Fine	2.00 mm	10	14.2219	20.7
Sand, Very Coarse	0.850 mm	20	19.9045	28.9
Sand, Coarse	0.425 mm	40	12.3226	17.9
Sand, Medium	0.250 mm	60	3.8106	5.53
Sand, Fine	0.106 mm	140	1.2778	1.86
Sand, Very Fine	0.075 mm	200	0.1049	0.15
Silt			7.4950	10.9
Clay			0.3200	0.46
		Total	73.4842	107

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-02-SD-080625-URS
Lab Code: K0805944-009

Sand Fraction: Weight (Grams)	76.8134
Sand Fraction: Weight Recovered (Grams)	75.8976
Sand Fraction: Percent Recovery	98.8

Weight as received (Grams)	99.9564
Percent Solids	74.2
Weight Oven-Dried (Grams)	74.1676

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	5.5547	7.49
Gravel, Fine	2.00 mm	10	0.3255	0.44
Sand, Very Coarse	0.850 mm	20	21.5979	29.1
Sand, Coarse	0.425 mm	40	17.1049	23.1
Sand, Medium	0.250 mm	60	18.1348	24.5
Sand, Fine	0.106 mm	140	11.4992	15.5
Sand, Very Fine	0.075 mm	200	1.3931	1.88
Silt			2.9300	3.95
Clay			-0.0022	0.00
		Total	78.5379	106

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-03-SD-080625-URS
Lab Code: K0805944-010

Sand Fraction: Weight (Grams)	85.8535
Sand Fraction: Weight Recovered (Grams)	85.2231
Sand Fraction: Percent Recovery	99.3

Weight as received (Grams)	99.5315
Percent Solids	86.3
Weight Oven-Dried (Grams)	85.8957

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	11.5709	13.5
Gravel, Fine	2.00 mm	10	12.8163	14.9
Sand, Very Coarse	0.850 mm	20	36.8542	42.9
Sand, Coarse	0.425 mm	40	18.9742	22.1
Sand, Medium	0.250 mm	60	3.8614	4.50
Sand, Fine	0.106 mm	140	0.9963	1.16
Sand, Very Fine	0.075 mm	200	0.1173	0.14
Silt			0.2100	0.24
Clay			-0.0018	0.00
		Total	85.4006	99.4

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-04-SD-080625-URS
Lab Code: K0805944-011

Sand Fraction: Weight (Grams)	84.6790
Sand Fraction: Weight Recovered (Grams)	84.7395
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	99.9716
Percent Solids	82.8
Weight Oven-Dried (Grams)	82.7765

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	13.6113	16.4
Gravel, Fine	2.00 mm	10	11.4745	13.9
Sand, Very Coarse	0.850 mm	20	34.2064	41.3
Sand, Coarse	0.425 mm	40	16.0044	19.3
Sand, Medium	0.250 mm	60	6.4436	7.78
Sand, Fine	0.106 mm	140	2.3598	2.85
Sand, Very Fine	0.075 mm	200	0.4911	0.59
Silt			0.8600	1.04
Clay			-0.0013	0.00
		Total	85.4511	103

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-04-SD-DUP-080625-URS
Lab Code: K0805944-012

Sand Fraction: Weight (Grams)	77.8808
Sand Fraction: Weight Recovered (Grams)	77.7828
Sand Fraction: Percent Recovery	99.9

Weight as received (Grams)	99.8088
Percent Solids	79.6
Weight Oven-Dried (Grams)	79.4478

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	7.0935	8.93
Gravel, Fine	2.00 mm	10	7.6337	9.61
Sand, Very Coarse	0.850 mm	20	22.0732	27.8
Sand, Coarse	0.425 mm	40	22.3860	28.2
Sand, Medium	0.250 mm	60	10.6988	13.5
Sand, Fine	0.106 mm	140	6.5755	8.28
Sand, Very Fine	0.075 mm	200	1.1173	1.41
Silt			1.6400	2.06
Clay			-0.0016	0.00
		Total	79.2164	99.7

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-05-RS-080625-URS
Lab Code: K0805944-013

Sand Fraction: Weight (Grams)	64.6129
Sand Fraction: Weight Recovered (Grams)	64.6468
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	79.9775
Percent Solids	84.0
Weight Oven-Dried (Grams)	67.1811

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	4.9266	7.33
Gravel, Fine	2.00 mm	10	2.4407	3.63
Sand, Very Coarse	0.850 mm	20	2.8067	4.18
Sand, Coarse	0.425 mm	40	8.5914	12.8
Sand, Medium	0.250 mm	60	25.1913	37.5
Sand, Fine	0.106 mm	140	17.3399	25.8
Sand, Very Fine	0.075 mm	200	2.4166	3.60
Silt			4.8550	7.23
Clay			0.0150	0.02
		Total	68.5832	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-05-RS-DUP-080625-URS
Lab Code: K0805944-014

Sand Fraction: Weight (Grams)	70.3805
Sand Fraction: Weight Recovered (Grams)	70.4287
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	79.721
Percent Solids	90.8
Weight Oven-Dried (Grams)	72.3867

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.0442	0.06
Gravel, Fine	2.00 mm	10	0.1173	0.16
Sand, Very Coarse	0.850 mm	20	1.6490	2.28
Sand, Coarse	0.425 mm	40	15.5647	21.5
Sand, Medium	0.250 mm	60	30.8811	42.7
Sand, Fine	0.106 mm	140	19.4909	26.9
Sand, Very Fine	0.075 mm	200	2.2292	3.08
Silt			3.1500	4.35
Clay			-0.0006	0.00
		Total	73.1258	101

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-05-SD-080625-URS
Lab Code: K0805944-015

Sand Fraction: Weight (Grams)	67.8352
Sand Fraction: Weight Recovered (Grams)	67.7328
Sand Fraction: Percent Recovery	99.8

Weight as received (Grams)	80.5227
Percent Solids	82.1
Weight Oven-Dried (Grams)	66.1091

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	10.4529	15.8
Gravel, Fine	2.00 mm	10	20.2405	30.6
Sand, Very Coarse	0.850 mm	20	19.6527	29.7
Sand, Coarse	0.425 mm	40	8.6578	13.1
Sand, Medium	0.250 mm	60	5.7513	8.70
Sand, Fine	0.106 mm	140	2.5686	3.89
Sand, Very Fine	0.075 mm	200	0.2595	0.39
Silt			0.6350	0.96
Clay			-0.0019	0.00
		Total	68.2164	103

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-06-SD-080625-URS
Lab Code: K0805944-016

Sand Fraction: Weight (Grams)	81.5109
Sand Fraction: Weight Recovered (Grams)	81.3182
Sand Fraction: Percent Recovery	99.8

Weight as received (Grams)	95.4176
Percent Solids	87.1
Weight Oven-Dried (Grams)	83.1087

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	7.6071	9.15
Gravel, Fine	2.00 mm	10	20.9527	25.2
Sand, Very Coarse	0.850 mm	20	28.8274	34.7
Sand, Coarse	0.425 mm	40	13.8923	16.7
Sand, Medium	0.250 mm	60	6.5936	7.93
Sand, Fine	0.106 mm	140	2.9789	3.58
Sand, Very Fine	0.075 mm	200	0.3791	0.46
Silt			0.5250	0.63
Clay			-0.0026	0.00
		Total	81.7535	98.4

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-07-RS-080625-URS
Lab Code: K0805944-017

Sand Fraction: Weight (Grams)	75.3209
Sand Fraction: Weight Recovered (Grams)	75.6843
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	79.9677
Percent Solids	95.8
Weight Oven-Dried (Grams)	76.6091

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.8363	1.09
Gravel, Fine	2.00 mm	10	1.8871	2.46
Sand, Very Coarse	0.850 mm	20	15.2816	19.9
Sand, Coarse	0.425 mm	40	22.9913	30.0
Sand, Medium	0.250 mm	60	23.1493	30.2
Sand, Fine	0.106 mm	140	10.0634	13.1
Sand, Very Fine	0.075 mm	200	1.1234	1.47
Silt			1.4550	1.90
Clay			-0.0006	0.00
		Total	76.7868	100

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-07-SD-080625-URS
Lab Code: K0805944-018

Sand Fraction: Weight (Grams)	75.9980
Sand Fraction: Weight Recovered (Grams)	75.8370
Sand Fraction: Percent Recovery	99.8

Weight as received (Grams)	99.8497
Percent Solids	75.6
Weight Oven-Dried (Grams)	75.4864

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	2.7702	3.67
Gravel, Fine	2.00 mm	10	1.0390	1.38
Sand, Very Coarse	0.850 mm	20	20.1381	26.7
Sand, Coarse	0.425 mm	40	39.0266	51.7
Sand, Medium	0.250 mm	60	11.4748	15.2
Sand, Fine	0.106 mm	140	1.3693	1.81
Sand, Very Fine	0.075 mm	200	0.0031	0.00
Silt			0.0850	0.11
Clay			-0.0037	0.00
		Total	75.9024	101

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-01-SD-080626-URS
Lab Code: K0805944-019

Sand Fraction: Weight (Grams)	98.5345
Sand Fraction: Weight Recovered (Grams)	98.5147
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	109.0153
Percent Solids	86.1
Weight Oven-Dried (Grams)	93.8622

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	38.4714	41.0
Gravel, Fine	2.00 mm	10	19.8829	21.2
Sand, Very Coarse	0.850 mm	20	20.3878	21.7
Sand, Coarse	0.425 mm	40	10.9389	11.7
Sand, Medium	0.250 mm	60	4.8609	5.18
Sand, Fine	0.106 mm	140	3.1976	3.41
Sand, Very Fine	0.075 mm	200	0.5236	0.56
Silt			1.2000	1.28
Clay			-0.0003	0.00
		Total	99.4628	106

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-01-RS-080626-URS
Lab Code: K0805944-020

Sand Fraction: Weight (Grams)	29.6997
Sand Fraction: Weight Recovered (Grams)	29.1111
Sand Fraction: Percent Recovery	98.0

Weight as received (Grams)	50.2803
Percent Solids	77.5
Weight Oven-Dried (Grams)	38.9672

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	2.4760	6.35
Gravel, Fine	2.00 mm	10	1.6081	4.13
Sand, Very Coarse	0.850 mm	20	2.4754	6.35
Sand, Coarse	0.425 mm	40	3.4223	8.78
Sand, Medium	0.250 mm	60	4.9212	12.6
Sand, Fine	0.106 mm	140	9.7019	24.9
Sand, Very Fine	0.075 mm	200	3.4125	8.76
Silt			9.3950	24.1
Clay			0.1300	0.33
		Total	37.5424	96.3

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-02-SD-080626-URS
Lab Code: K0805944-021

Sand Fraction: Weight (Grams)	95.8330
Sand Fraction: Weight Recovered (Grams)	96.2594
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	103.0347
Percent Solids	94.3
Weight Oven-Dried (Grams)	97.1617

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	26.7381	27.5
Gravel, Fine	2.00 mm	10	28.3317	29.2
Sand, Very Coarse	0.850 mm	20	26.4906	27.3
Sand, Coarse	0.425 mm	40	9.2937	9.57
Sand, Medium	0.250 mm	60	4.0327	4.15
Sand, Fine	0.106 mm	140	1.1100	1.14
Sand, Very Fine	0.075 mm	200	0.1644	0.17
Silt			0.7600	0.78
Clay			-0.0021	0.00
		Total	96.9191	99.8

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-03-RS-080626-URS
Lab Code: K0805944-022

Sand Fraction: Weight (Grams)	40.4835
Sand Fraction: Weight Recovered (Grams)	40.5399
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	50.3672
Percent Solids	99.3
Weight Oven-Dried (Grams)	50.0146

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	14.0406	28.1
Gravel, Fine	2.00 mm	10	8.4670	16.9
Sand, Very Coarse	0.850 mm	20	6.9323	13.9
Sand, Coarse	0.425 mm	40	2.5671	5.13
Sand, Medium	0.250 mm	60	2.4691	4.94
Sand, Fine	0.106 mm	140	3.0430	6.08
Sand, Very Fine	0.075 mm	200	1.4768	2.95
Silt			9.9700	19.9
Clay			0.3200	0.64
		Total	49.2859	98.5

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-03-SD-080626-URS
Lab Code: K0805944-023

Sand Fraction: Weight (Grams)	93.6447
Sand Fraction: Weight Recovered (Grams)	93.8590
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	102.0995
Percent Solids	92.3
Weight Oven-Dried (Grams)	94.2378

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	28.4166	30.2
Gravel, Fine	2.00 mm	10	29.7863	31.6
Sand, Very Coarse	0.850 mm	20	27.5530	29.2
Sand, Coarse	0.425 mm	40	6.6339	7.04
Sand, Medium	0.250 mm	60	1.0660	1.13
Sand, Fine	0.106 mm	140	0.2968	0.31
Sand, Very Fine	0.075 mm	200	0.0530	0.06
Silt			0.2600	0.28
Clay			-0.0033	0.00
		Total	94.0623	99.8

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-04-RS-080627-URS
Lab Code: K0805944-024

Sand Fraction: Weight (Grams)	64.9375
Sand Fraction: Weight Recovered (Grams)	64.9283
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	79.5973
Percent Solids	96.7
Weight Oven-Dried (Grams)	76.9706

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.0000	0.00
Gravel, Fine	2.00 mm	10	0.0550	0.07
Sand, Very Coarse	0.850 mm	20	0.0635	0.08
Sand, Coarse	0.425 mm	40	0.8273	1.07
Sand, Medium	0.250 mm	60	7.8956	10.3
Sand, Fine	0.106 mm	140	37.7302	49.0
Sand, Very Fine	0.075 mm	200	12.6196	16.4
Silt			16.0750	20.9
Clay			0.1600	0.21
		Total	75.4262	98.0

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-04-SD-080627-URS
Lab Code: K0805944-025

Sand Fraction: Weight (Grams)	98.3548
Sand Fraction: Weight Recovered (Grams)	98.5673
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	111.012
Percent Solids	86.9
Weight Oven-Dried (Grams)	96.4694

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	62.2336	64.5
Gravel, Fine	2.00 mm	10	20.5708	21.3
Sand, Very Coarse	0.850 mm	20	10.5305	10.9
Sand, Coarse	0.425 mm	40	1.6151	1.67
Sand, Medium	0.250 mm	60	1.0165	1.05
Sand, Fine	0.106 mm	140	1.4464	1.50
Sand, Very Fine	0.075 mm	200	0.4647	0.48
Silt			1.9500	2.02
Clay			-0.0007	0.00
		Total	99.8269	103

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-08-SD-080626-URS
Lab Code: K0805944-026

Sand Fraction: Weight (Grams)	92.7197
Sand Fraction: Weight Recovered (Grams)	92.8137
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	110.5566
Percent Solids	84.0
Weight Oven-Dried (Grams)	92.8675

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	29.5509	31.8
Gravel, Fine	2.00 mm	10	20.3076	21.9
Sand, Very Coarse	0.850 mm	20	17.7563	19.1
Sand, Coarse	0.425 mm	40	9.3335	10.1
Sand, Medium	0.250 mm	60	8.8147	9.49
Sand, Fine	0.106 mm	140	5.6699	6.11
Sand, Very Fine	0.075 mm	200	0.9446	1.02
Silt			1.9550	2.11
Clay			-0.0016	0.00
		Total	94.3309	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-10-SD-080627-URS
Lab Code: K0805944-027

Sand Fraction: Weight (Grams)	48.6512
Sand Fraction: Weight Recovered (Grams)	48.7341
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	82.5341
Percent Solids	67.9
Weight Oven-Dried (Grams)	56.0407

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.0928	0.17
Gravel, Fine	2.00 mm	10	0.8150	1.45
Sand, Very Coarse	0.850 mm	20	4.7395	8.46
Sand, Coarse	0.425 mm	40	10.7540	19.2
Sand, Medium	0.250 mm	60	11.1954	20.0
Sand, Fine	0.106 mm	140	14.7560	26.3
Sand, Very Fine	0.075 mm	200	4.3834	7.82
Silt			9.1700	16.4
Clay			0.1250	0.22
		Total	56.0311	100

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-05-SD-DUP-080625-URS
Lab Code: K0805944-028

Sand Fraction: Weight (Grams)	83.8013
Sand Fraction: Weight Recovered (Grams)	83.8360
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	99.7852
Percent Solids	80.9
Weight Oven-Dried (Grams)	80.7262

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	2.8561	3.54
Gravel, Fine	2.00 mm	10	16.8697	20.9
Sand, Very Coarse	0.850 mm	20	28.9386	35.8
Sand, Coarse	0.425 mm	40	16.1324	20.0
Sand, Medium	0.250 mm	60	11.6604	14.4
Sand, Fine	0.106 mm	140	6.0659	7.51
Sand, Very Fine	0.075 mm	200	1.0222	1.27
Silt			1.3400	1.66
Clay			-0.0016	0.00
		Total	84.8837	105

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-11-SD-080627-URS
Lab Code: K0805944-029

Sand Fraction: Weight (Grams)	95.8442
Sand Fraction: Weight Recovered (Grams)	95.9639
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	112.1503
Percent Solids	83.9
Weight Oven-Dried (Grams)	94.0941

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	37.4507	39.8
Gravel, Fine	2.00 mm	10	30.9959	32.9
Sand, Very Coarse	0.850 mm	20	20.4305	21.7
Sand, Coarse	0.425 mm	40	5.4430	5.78
Sand, Medium	0.250 mm	60	0.9461	1.01
Sand, Fine	0.106 mm	140	0.3425	0.36
Sand, Very Fine	0.075 mm	200	0.0988	0.11
Silt			0.3050	0.32
Clay			-0.0015	0.00
		Total	96.0110	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-12-RS-080627-URS
Lab Code: K0805944-030

Sand Fraction: Weight (Grams)	53.7820
Sand Fraction: Weight Recovered (Grams)	53.7250
Sand Fraction: Percent Recovery	99.9

Weight as received (Grams)	88.7764
Percent Solids	70.8
Weight Oven-Dried (Grams)	62.8537

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	13.3340	21.2
Gravel, Fine	2.00 mm	10	13.3636	21.3
Sand, Very Coarse	0.850 mm	20	10.0555	16.0
Sand, Coarse	0.425 mm	40	6.0709	9.66
Sand, Medium	0.250 mm	60	3.4539	5.50
Sand, Fine	0.106 mm	140	4.6012	7.32
Sand, Very Fine	0.075 mm	200	1.6854	2.68
Silt			8.9100	14.2
Clay			0.5650	0.90
		Total	62.0395	98.7

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-12-SD-080627-URS
Lab Code: K0805944-031

Sand Fraction: Weight (Grams)	91.7128
Sand Fraction: Weight Recovered (Grams)	91.8623
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	112.6029
Percent Solids	80.8
Weight Oven-Dried (Grams)	90.9831

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	19.3965	21.3
Gravel, Fine	2.00 mm	10	34.0182	37.4
Sand, Very Coarse	0.850 mm	20	24.0281	26.4
Sand, Coarse	0.425 mm	40	8.0921	8.89
Sand, Medium	0.250 mm	60	3.4474	3.79
Sand, Fine	0.106 mm	140	2.3256	2.56
Sand, Very Fine	0.075 mm	200	0.3930	0.43
Silt			1.1100	1.22
Clay			-0.0014	0.00
		Total	92.8095	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/18/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-13-SD-080627-URS
Lab Code: K0805944-032

Sand Fraction: Weight (Grams)	84.7304
Sand Fraction: Weight Recovered (Grams)	84.8257
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	108.4095
Percent Solids	81.3
Weight Oven-Dried (Grams)	88.1369

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Medium Gravel	4.75 mm	4	24.5331	27.8
Fine Gravel	2.00 mm	10	22.8081	25.9
Very Coarse Sand	0.850 mm	20	13.9288	15.8
Coarse Sand	0.425 mm	40	7.6743	8.71
Medium Sand	0.250 mm	60	6.0237	6.83
Fine Sand	0.106 mm	140	7.4191	8.42
Very Fine Sand	0.075 mm	200	1.8964	2.15
Clay			0.1450	0.16
Silt			4.1500	4.71
		Total	88.5785	101

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/18/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-13-SD-080627-URS
Lab Code: K0805944-032DUP

Sand Fraction: Weight (Grams)	83.1716
Sand Fraction: Weight Recovered (Grams)	83.2435
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	108.1071
Percent Solids	81.3
Weight Oven-Dried (Grams)	87.8911

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Medium Gravel	4.75 mm	4	20.2803	23.1
Fine Gravel	2.00 mm	10	23.5858	26.8
Very Coarse Sand	0.850 mm	20	14.2860	16.3
Coarse Sand	0.425 mm	40	8.1432	9.27
Medium Sand	0.250 mm	60	6.5021	7.40
Fine Sand	0.106 mm	140	7.8611	8.94
Very Fine Sand	0.075 mm	200	1.9890	2.26
Clay			0.2450	0.28
Silt			4.2200	4.80
		Total	87.1125	99.1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-14-RS-080627-URS
Lab Code: K0805944-033

Sand Fraction: Weight (Grams)	67.2341
Sand Fraction: Weight Recovered (Grams)	67.2117
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	80.4893
Percent Solids	88.0
Weight Oven-Dried (Grams)	70.8306

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	17.4974	24.7
Gravel, Fine	2.00 mm	10	18.2379	25.7
Sand, Very Coarse	0.850 mm	20	12.4999	17.6
Sand, Coarse	0.425 mm	40	5.1992	7.34
Sand, Medium	0.250 mm	60	4.8898	6.90
Sand, Fine	0.106 mm	140	5.5480	7.83
Sand, Very Fine	0.075 mm	200	2.1808	3.08
Silt			5.3850	7.60
Clay			0.0350	0.05
		Total	71.4730	101

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-14-SD-080627-URS
Lab Code: K0805944-034

Sand Fraction: Weight (Grams)	99.0322
Sand Fraction: Weight Recovered (Grams)	99.1949
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	109.6806
Percent Solids	88.5
Weight Oven-Dried (Grams)	97.0673

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	39.6383	40.8
Gravel, Fine	2.00 mm	10	46.4484	47.9
Sand, Very Coarse	0.850 mm	20	11.5839	11.9
Sand, Coarse	0.425 mm	40	1.0272	1.06
Sand, Medium	0.250 mm	60	0.2916	0.30
Sand, Fine	0.106 mm	140	0.1050	0.11
Sand, Very Fine	0.075 mm	200	0.0361	0.04
Silt			0.1700	0.18
Clay			-0.0024	0.00
		Total	99.2981	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: JC-15-SD-080627-URS
Lab Code: K0805944-035

Sand Fraction: Weight (Grams)	91.4385
Sand Fraction: Weight Recovered (Grams)	91.4844
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	116.5465
Percent Solids	80.1
Weight Oven-Dried (Grams)	93.3537

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	21.3755	22.9
Gravel, Fine	2.00 mm	10	19.1483	20.5
Sand, Very Coarse	0.850 mm	20	20.9826	22.5
Sand, Coarse	0.425 mm	40	11.9647	12.8
Sand, Medium	0.250 mm	60	7.5522	8.09
Sand, Fine	0.106 mm	140	8.0456	8.62
Sand, Very Fine	0.075 mm	200	1.7556	1.88
Silt			2.9650	3.18
Clay			-0.0002	0.00
		Total	93.7893	100

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/18/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: ARV-04-SD-080624-URS
Lab Code: K0805944-036

Sand Fraction: Weight (Grams)	67.2676
Sand Fraction: Weight Recovered (Grams)	66.7611
Sand Fraction: Percent Recovery	99.2

Weight as received (Grams)	99.9619
Percent Solids	71.4
Weight Oven-Dried (Grams)	71.3728

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Medium Gravel	4.75 mm	4	4.1606	5.83
Fine Gravel	2.00 mm	10	13.5130	18.9
Very Coarse Sand	0.850 mm	20	30.9271	43.3
Coarse Sand	0.425 mm	40	7.7797	10.9
Medium Sand	0.250 mm	60	1.1670	1.64
Fine Sand	0.106 mm	140	4.3179	6.05
Very Fine Sand	0.075 mm	200	2.9753	4.17
Clay			0.2800	0.39
Silt			8.0250	11.24
		Total	73.1456	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-01-RS-080624-URS
Lab Code: K0805944-037

Sand Fraction: Weight (Grams)	75.2267
Sand Fraction: Weight Recovered (Grams)	75.3082
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	88.8096
Percent Solids	85.2
Weight Oven-Dried (Grams)	75.6658

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	9.4804	12.5
Gravel, Fine	2.00 mm	10	2.9868	3.95
Sand, Very Coarse	0.850 mm	20	7.7767	10.3
Sand, Coarse	0.425 mm	40	13.5440	17.9
Sand, Medium	0.250 mm	60	21.5743	28.5
Sand, Fine	0.106 mm	140	18.1372	24.0
Sand, Very Fine	0.075 mm	200	1.4727	1.95
Silt			2.0500	2.71
Clay			-0.0009	0.00
		Total	77.0212	102

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-07-RS-080625-URS
Lab Code: K0805944-017DUP

Sand Fraction: Weight (Grams)	75.8235
Sand Fraction: Weight Recovered (Grams)	75.7906
Sand Fraction: Percent Recovery	100.0

Weight as received (Grams)	80.2697
Percent Solids	95.8
Weight Oven-Dried (Grams)	76.8984

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.3137	0.41
Gravel, Fine	2.00 mm	10	1.4836	1.93
Sand, Very Coarse	0.850 mm	20	15.4597	20.1
Sand, Coarse	0.425 mm	40	23.2952	30.3
Sand, Medium	0.250 mm	60	23.8961	31.1
Sand, Fine	0.106 mm	140	10.0183	13.0
Sand, Very Fine	0.075 mm	200	1.0699	1.39
Silt			1.2900	1.68
Clay			-0.0018	0.00
		Total	76.8247	99.9

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-08-SD-080626-URS
Lab Code: K0805944-026DUP

Sand Fraction: Weight (Grams)	93.0091
Sand Fraction: Weight Recovered (Grams)	93.0184
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	111.9843
Percent Solids	84.0
Weight Oven-Dried (Grams)	94.0668

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	26.4392	28.1
Gravel, Fine	2.00 mm	10	22.1667	23.6
Sand, Very Coarse	0.850 mm	20	18.8674	20.1
Sand, Coarse	0.425 mm	40	11.9965	12.8
Sand, Medium	0.250 mm	60	6.5300	6.94
Sand, Fine	0.106 mm	140	5.6442	6.00
Sand, Very Fine	0.075 mm	200	1.0513	1.12
Silt			2.1650	2.30
Clay			-0.0005	0.00
		Total	94.8598	101

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Sediment

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Date Analyzed: 7/8/2008

Particle Size Determination
ASTM Method D422 Modified

Sample Name: EC-12-SD-080627-URS
Lab Code: K0805944-031DUP

Sand Fraction: Weight (Grams)	91.3679
Sand Fraction: Weight Recovered (Grams)	91.4337
Sand Fraction: Percent Recovery	100

Weight as received (Grams)	110.4102
Percent Solids	80.8
Weight Oven-Dried (Grams)	89.2114

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	27.6307	31.0
Gravel, Fine	2.00 mm	10	31.4009	35.2
Sand, Very Coarse	0.850 mm	20	20.1325	22.6
Sand, Coarse	0.425 mm	40	5.3924	6.04
Sand, Medium	0.250 mm	60	3.8199	4.28
Sand, Fine	0.106 mm	140	2.3579	2.64
Sand, Very Fine	0.075 mm	200	0.4899	0.55
Silt			1.1300	1.27
Clay			0.0350	0.04
		Total	92.3892	104

Metals

Columbia Analytical Services

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.: 25696770.00001

Service Request: K0805944

Sample Name:	Lab Code:
AR-01-RS-080624-URS	K0805944-001
AR-01-SD-080624-URS	K0805944-002
AR-02-SD-080624-URS	K0805944-003
ARV-01-SD-080624-URS	K0805944-004
ARV-02-SD-080624-URS	K0805944-005
ARV-03-SD-080624-URS	K0805944-006
EC-01-SD-080624-URS	K0805944-007
EC-02-RS-080625-URS	K0805944-008
EC-02-SD-080625-URS	K0805944-009
EC-03-SD-080625-URS	K0805944-010
EC-04-SD-080625-URS	K0805944-011
EC-04-SD-DUP-080625-URS	K0805944-012
EC-05-RS-080625-URS	K0805944-013
EC-05-RS-DUP-080625-URS	K0805944-014
EC-05-SD-080625-URS	K0805944-015
EC-06-SD-080625-URS	K0805944-016
EC-07-RS-080625-URS	K0805944-017
EC-07-RS-080625-URSD	K0805944-017D
EC-07-RS-080625-URSS	K0805944-017S
EC-07-SD-080625-URS	K0805944-018
JC-01-SD-080626-URS	K0805944-019
JC-01-RS-080626-URS	K0805944-020
JC-02-SD-080626-URS	K0805944-021
JC-03-RS-080626-URS	K0805944-022
JC-03-SD-080626-URS	K0805944-023
JC-04-RS-080627-URS	K0805944-024
JC-04-SD-080627-URS	K0805944-025
JC-08-SD-080626-URS	K0805944-026
JC-08-SD-080626-URSD	K0805944-026D
JC-08-SD-080626-URSS	K0805944-026S
JC-10-SD-080627-URS	K0805944-027
EC-05-SD-DUP-080625-URS	K0805944-028
JC-11-SD-080627-URS	K0805944-029
JC-12-RS-080627-URS	K0805944-030
JC-12-SD-080627-URS	K0805944-031
JC-12-SD-080627-URSD	K0805944-031D
JC-12-SD-080627-URSS	K0805944-031S
JC-13-SD-080627-URS	K0805944-032
JC-14-RS-080627-URS	K0805944-033

Comments:

Approved By: _____ Date: 7/23/08

Columbia Analytical Services

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.: 25696770.00001

Service Request: K0805944

Sample Name:	Lab Code:
JC-14-SD-080627-URS	K0805944-034
JC-15-SD-080627-URS	K0805944-035
ARV-04-SD-080624-URS	K0805944-036
EC-01-RS-080624-URS	K0805944-037
Method Blank	K0805944-MB1
Method Blank	K0805944-MB2

Comments:

Approved By: _____ **Date:** 7/23/08

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: AR-01-RS-080624-URS
Lab Code: K0805944-001

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.48	0.05	5.0	07/09/08	07/10/08	4.65		
Cadmium	6020	0.019	0.004	5.0	07/09/08	07/10/08	0.654		
Copper	6010B	19.4	1.9	20.0	07/09/08	07/14/08	85.0		
Iron	6010B	38.7	19.4	20.0	07/09/08	07/14/08	28600		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	7.06		
Zinc	6010B	19.4	2.90	20.0	07/09/08	07/14/08	185		

% Solids: 86.1

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: AR-01-SD-080624-URS
Lab Code: K0805944-002

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.48	0.05	5.0	07/09/08	07/10/08	3.95		
Cadmium	6020	0.019	0.004	5.0	07/09/08	07/10/08	0.416		
Copper	6010B	19.5	2.0	20.0	07/09/08	07/14/08	68.8		
Iron	6010B	39.0	19.5	20.0	07/09/08	07/14/08	31800		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	5.97		
Zinc	6010B	19.5	2.92	20.0	07/09/08	07/14/08	120		

% Solids: 73.3

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: AR-02-SD-080624-URS
Lab Code: K0805944-003

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.56	0.06	5.0	07/09/08	07/10/08	4.36		
Cadmium	6020	0.022	0.004	5.0	07/09/08	07/10/08	0.406		
Copper	6010B	22.2	2.2	20.0	07/09/08	07/14/08	62.7		
Iron	6010B	44.5	22.2	20.0	07/09/08	07/14/08	33200		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	4.94		
Zinc	6010B	22.2	3.34	20.0	07/09/08	07/14/08	107		

% Solids: 89.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: ARV-01-SD-080624-URS
Lab Code: K0805944-004

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.49	0.05	5.0	07/09/08	07/10/08	4.76		
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/10/08	0.422		
Copper	6010B	19.7	2.0	20.0	07/09/08	07/14/08	70.8		
Iron	6010B	39.4	19.7	20.0	07/09/08	07/14/08	31000		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	6.54		
Zinc	6010B	19.7	2.95	20.0	07/09/08	07/14/08	111		

% Solids: 72.6

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: ARV-02-SD-080624-URS
Lab Code: K0805944-005

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.48	0.05	5.0	07/09/08	07/10/08	4.77		
Cadmium	6020	0.019	0.004	5.0	07/09/08	07/10/08	0.519		
Copper	6010B	19.2	1.9	20.0	07/09/08	07/14/08	81.8		
Iron	6010B	38.4	19.2	20.0	07/09/08	07/14/08	33400		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	6.34		
Zinc	6010B	19.2	2.88	20.0	07/09/08	07/14/08	128		

% Solids: 64.7

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: ARV-03-SD-080624-URS **Lab Code:** K0805944-006

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.59	0.06	5.0	07/09/08	07/10/08	4.71		
Cadmium	6020	0.023	0.005	5.0	07/09/08	07/10/08	0.572		
Copper	6010B	23.6	2.4	20.0	07/09/08	07/14/08	107		
Iron	6010B	47.1	23.6	20.0	07/09/08	07/14/08	36700		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	8.24		
Zinc	6010B	23.6	3.53	20.0	07/09/08	07/14/08	116		

% Solids: 46.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-01-SD-080624-URS **Lab Code:** K0805944-007

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.57	0.06	5.0	07/09/08	07/10/08	4.23		
Cadmium	6020	0.023	0.005	5.0	07/09/08	07/10/08	0.388		
Copper	6010B	23.3	2.3	20.0	07/09/08	07/14/08	43.1		
Iron	6010B	46.6	23.3	20.0	07/09/08	07/14/08	20400		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	5.14		
Zinc	6010B	23.3	3.50	20.0	07/09/08	07/14/08	75.8		

% Solids: 85.8

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-02-RS-080625-URS
Lab Code: K0805944-008

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.39	0.04	5.0	07/09/08	07/10/08	3.29		
Cadmium	6020	0.016	0.003	5.0	07/09/08	07/10/08	0.191		
Copper	6010B	15.9	1.6	20.0	07/09/08	07/14/08	56.0		
Iron	6010B	31.7	15.9	20.0	07/09/08	07/14/08	23000		
Lead	6020	0.04	0.02	5.0	07/09/08	07/10/08	5.75		
Zinc	6010B	15.9	2.38	20.0	07/09/08	07/14/08	64.9		

% Solids: 78.8

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-02-SD-080625-URS **Lab Code:** K0805944-009

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.48	0.05	5.0	07/09/08	07/10/08	4.04		
Cadmium	6020	0.019	0.004	5.0	07/09/08	07/10/08	0.315		
Copper	6010B	19.0	1.9	20.0	07/09/08	07/14/08	57.5		
Iron	6010B	38.0	19.0	20.0	07/09/08	07/14/08	37200		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	5.72		
Zinc	6010B	19.0	2.85	20.0	07/09/08	07/14/08	109		

% Solids: 74.2

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-03-SD-080625-URS **Lab Code:** K0805944-010

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.57	0.06	5.0	07/09/08	07/10/08	4.35		
Cadmium	6020	0.023	0.005	5.0	07/09/08	07/10/08	0.528		
Copper	6010B	22.9	2.3	20.0	07/09/08	07/14/08	42.9		
Iron	6010B	45.9	22.9	20.0	07/09/08	07/14/08	28500		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	4.52		
Zinc	6010B	22.9	3.44	20.0	07/09/08	07/14/08	72.7		

% Solids: 86.3

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-04-SD-080625-URS **Lab Code:** K0805944-011

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.55	0.06	5.0	07/09/08	07/10/08	6.20		
Cadmium	6020	0.022	0.004	5.0	07/09/08	07/10/08	0.211		
Copper	6010B	22.0	2.2	20.0	07/09/08	07/14/08	39.9		
Iron	6010B	44.1	22.0	20.0	07/09/08	07/14/08	27700		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	5.52		
Zinc	6010B	22.0	3.30	20.0	07/09/08	07/14/08	77.1		

% Solids: 89.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-04-SD-DUP-080625-URS **Lab Code:** K0805944-012

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.60	0.06	5.0	07/09/08	07/10/08	5.20		
Cadmium	6020	0.024	0.005	5.0	07/09/08	07/10/08	0.270		
Copper	6010B	24.1	2.4	20.0	07/09/08	07/14/08	51.3		
Iron	6010B	48.1	24.1	20.0	07/09/08	07/14/08	32200		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	4.72		
Zinc	6010B	24.1	3.61	20.0	07/09/08	07/14/08	75.1		

% Solids: 83.1

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-05-RS-080625-URS **Lab Code:** K0805944-013

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.49	0.05	5.0	07/09/08	07/10/08	5.37		
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/10/08	0.281		
Copper	6010B	19.7	2.0	20.0	07/09/08	07/14/08	60.4		
Iron	6010B	39.4	19.7	20.0	07/09/08	07/14/08	28200		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	6.37		
Zinc	6010B	19.7	2.95	20.0	07/09/08	07/14/08	74.0		

% Solids: 84.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-05-RS-DUP-080625-URS **Lab Code:** K0805944-014

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.51	0.05	5.0	07/09/08	07/10/08	5.01		
Cadmium	6020	0.021	0.004	5.0	07/09/08	07/10/08	0.311		
Copper	6010B	20.7	2.1	20.0	07/09/08	07/14/08	80.0		
Iron	6010B	41.5	20.7	20.0	07/09/08	07/14/08	28000		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	6.17		
Zinc	6010B	20.7	3.11	20.0	07/09/08	07/14/08	74.0		

% Solids: 80.4

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-05-SD-080625-URS **Lab Code:** K0805944-015

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.60	0.06	5.0	07/09/08	07/10/08	3.50		
Cadmium	6020	0.024	0.005	5.0	07/09/08	07/10/08	0.213		
Copper	6010B	24.4	2.4	20.0	07/09/08	07/14/08	38.5		
Iron	6010B	48.7	24.4	20.0	07/09/08	07/14/08	25500		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	4.07		
Zinc	6010B	24.4	3.65	20.0	07/09/08	07/14/08	74.5		

% Solids: 82.1

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-06-SD-080625-URS **Lab Code:** K0805944-016

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.41	0.04	5.0	07/09/08	07/10/08	4.92		
Cadmium	6020	0.016	0.003	5.0	07/09/08	07/10/08	0.581		
Copper	6010B	16.7	1.7	20.0	07/09/08	07/14/08	119		
Iron	6010B	33.3	16.7	20.0	07/09/08	07/14/08	33200		
Lead	6020	0.04	0.02	5.0	07/09/08	07/10/08	10.4		
Zinc	6010B	16.7	2.50	20.0	07/09/08	07/14/08	114		

% Solids: 74.5

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-07-RS-080625-URS **Lab Code:** K0805944-017

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.55	0.06	5.0	07/09/08	07/10/08	5.84		
Cadmium	6020	0.022	0.004	5.0	07/09/08	07/10/08	0.220		
Copper	6010B	22.1	2.2	20.0	07/09/08	07/14/08	51.9		
Iron	6010B	44.2	22.1	20.0	07/09/08	07/14/08	40400		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	6.08		
Zinc	6010B	22.1	3.31	20.0	07/09/08	07/14/08	84.6		

% Solids: 74.8

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-07-SD-080625-URS **Lab Code:** K0805944-018

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.54	0.05	5.0	07/09/08	07/10/08	7.59		
Cadmium	6020	0.022	0.004	5.0	07/09/08	07/10/08	0.281		
Copper	6010B	21.7	2.2	20.0	07/09/08	07/14/08	28.0		
Iron	6010B	43.4	21.7	20.0	07/09/08	07/14/08	23200		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	6.91		
Zinc	6010B	21.7	3.25	20.0	07/09/08	07/14/08	59.0		

% Solids: 75.6

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-01-SD-080626-URS
Lab Code: K0805944-019

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.58	0.06	5.0	07/09/08	07/10/08	3.01		
Cadmium	6020	0.023	0.005	5.0	07/09/08	07/10/08	2.14		
Copper	6010B	23.0	2.3	20.0	07/09/08	07/14/08	430		
Iron	6010B	46.0	23.0	20.0	07/09/08	07/14/08	26200		
Lead	6020	0.06	0.02	5.0	07/09/08	07/10/08	5.85		
Zinc	6010B	23.0	3.45	20.0	07/09/08	07/14/08	440		

% Solids: 86.1

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-01-RS-080626-URS **Lab Code:** K0805944-020

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.52	0.05	5.0	07/09/08	07/10/08	4.73		
Cadmium	6020	0.021	0.004	5.0	07/09/08	07/10/08	1.09		
Copper	6010B	20.9	2.1	20.0	07/09/08	07/14/08	378		
Iron	6010B	41.9	20.9	20.0	07/09/08	07/14/08	26600		
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	31.2		
Zinc	6010B	20.9	3.14	20.0	07/09/08	07/14/08	172		

% Solids: 78.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-02-SD-080626-URS **Lab Code:** K0805944-021

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.53	0.05	5.0	07/09/08	07/11/08	1.14		*
Cadmium	6020	0.021	0.004	5.0	07/09/08	07/11/08	2.80		
Copper	6010B	21.2	2.1	20.0	07/09/08	07/14/08	536		
Iron	6010B	42.4	21.2	20.0	07/09/08	07/14/08	22400		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	6.27		*
Zinc	6010B	21.2	3.18	20.0	07/09/08	07/14/08	533		

% Solids: 94.3

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-03-RS-080626-URS
Lab Code: K0805944-022

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.49	0.05	5.0	07/09/08	07/11/08	17.8		*
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/11/08	0.202		
Copper	6010B	20.1	2.0	20.0	07/09/08	07/14/08	141		
Iron	6010B	40.3	20.1	20.0	07/09/08	07/14/08	52400		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	11.6		*
Zinc	6010B	20.1	3.02	20.0	07/09/08	07/14/08	119		

% Solids: 99.3

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-03-SD-080626-URS
Lab Code: K0805944-023

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.54	0.05	5.0	07/09/08	07/11/08	3.22		*
Cadmium	6020	0.022	0.004	5.0	07/09/08	07/11/08	2.70		
Copper	6010B	21.7	2.2	20.0	07/09/08	07/14/08	386		
Iron	6010B	43.3	21.7	20.0	07/09/08	07/14/08	20400		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	7.72		*
Zinc	6010B	21.7	3.25	20.0	07/09/08	07/14/08	423		

% Solids: 92.3

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-04-RS-080627-URS
Lab Code: K0805944-024

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.52	0.05	5.0	07/09/08	07/11/08	3.44		*
Cadmium	6020	0.021	0.004	5.0	07/09/08	07/11/08	0.354		
Copper	6010B	20.7	2.1	20.0	07/09/08	07/14/08	204		
Iron	6010B	41.4	20.7	20.0	07/09/08	07/14/08	24900		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	15.1		*
Zinc	6010B	20.7	3.10	20.0	07/09/08	07/14/08	86.7		

% Solids: 96.7

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-04-SD-080627-URS **Lab Code:** K0805944-025

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.58	0.06	5.0	07/09/08	07/11/08	4.27		*
Cadmium	6020	0.023	0.005	5.0	07/09/08	07/11/08	2.93		
Copper	6010B	22.6	2.3	20.0	07/09/08	07/14/08	558		
Iron	6010B	45.1	22.6	20.0	07/09/08	07/14/08	11300		
Lead	6020	0.06	0.02	5.0	07/09/08	07/11/08	10.0		*
Zinc	6010B	22.6	3.38	20.0	07/09/08	07/14/08	317		

% Solids: 86.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/26/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-08-SD-080626-URS
Lab Code: K0805944-026

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.39	0.04	5.0	07/09/08	07/11/08	2.54		*
Cadmium	6020	0.016	0.003	5.0	07/09/08	07/11/08	0.941		
Copper	6010B	15.6	1.6	20.0	07/09/08	07/14/08	978		
Iron	6010B	31.2	15.6	20.0	07/09/08	07/14/08	24700		
Lead	6020	0.04	0.02	5.0	07/09/08	07/11/08	13.8		*
Zinc	6010B	15.6	2.34	20.0	07/09/08	07/14/08	208		

% Solids: 79.2

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-10-SD-080627-URS **Lab Code:** K0805944-027

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.51	0.05	5.0	07/09/08	07/11/08	2.68		*
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/11/08	0.214		
Copper	6010B	20.4	2.0	20.0	07/09/08	07/14/08	51.7		
Iron	6010B	40.7	20.4	20.0	07/09/08	07/14/08	24000		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	2.67		*
Zinc	6010B	20.4	3.05	20.0	07/09/08	07/14/08	55.6		

% Solids: 61.4

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/25/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-05-SD-DUP-080625-URS **Lab Code:** K0805944-028

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.61	0.06	5.0	07/09/08	07/11/08	3.61		*
Cadmium	6020	0.024	0.005	5.0	07/09/08	07/11/08	0.260		
Copper	6010B	24.2	2.4	20.0	07/09/08	07/14/08	47.0		
Iron	6010B	48.5	24.2	20.0	07/09/08	07/14/08	24300		
Lead	6020	0.06	0.02	5.0	07/09/08	07/11/08	3.54		*
Zinc	6010B	24.2	3.64	20.0	07/09/08	07/14/08	77.8		

% Solids: 80.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-11-SD-080627-URS **Lab Code:** K0805944-029

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.49	0.05	5.0	07/09/08	07/11/08	1.36		*
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/11/08	0.139		
Copper	6010B	19.7	2.0	20.0	07/09/08	07/14/08	47.5		
Iron	6010B	39.4	19.7	20.0	07/09/08	07/14/08	20700		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	1.49		*
Zinc	6010B	19.7	2.96	20.0	07/09/08	07/14/08	36.6		

% Solids: 83.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-12-RS-080627-URS **Lab Code:** K0805944-030

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.53	0.05	5.0	07/09/08	07/11/08	3.16		*
Cadmium	6020	0.021	0.004	5.0	07/09/08	07/11/08	0.166		
Copper	6010B	21.0	2.1	20.0	07/09/08	07/14/08	67.1		
Iron	6010B	41.9	21.0	20.0	07/09/08	07/14/08	21800		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	5.29		*
Zinc	6010B	21.0	3.14	20.0	07/09/08	07/14/08	73.1		

% Solids: 94.5

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-12-SD-080627-URS
Lab Code: K0805944-031

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.57	0.06	5.0	07/09/08	07/11/08	1.77		*
Cadmium	6020	0.023	0.005	5.0	07/09/08	07/11/08	0.097		
Copper	6010B	22.8	2.3	20.0	07/09/08	07/14/08	39.0		
Iron	6010B	45.7	22.8	20.0	07/09/08	07/14/08	16500		
Lead	6020	0.06	0.02	5.0	07/09/08	07/11/08	2.09		*
Zinc	6010B	22.8	3.42	20.0	07/09/08	07/14/08	35.4		

% Solids: 87.6

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-13-SD-080627-URS **Lab Code:** K0805944-032

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.49	0.05	5.0	07/09/08	07/11/08	1.19		*
Cadmium	6020	0.019	0.004	5.0	07/09/08	07/11/08	0.113		
Copper	6010B	19.4	1.9	20.0	07/09/08	07/14/08	37.7		
Iron	6010B	38.8	19.4	20.0	07/09/08	07/14/08	18500		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	1.63		*
Zinc	6010B	19.4	2.91	20.0	07/09/08	07/14/08	40.2		

% Solids: 84.4

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-14-RS-080627-URS **Lab Code:** K0805944-033

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.51	0.05	5.0	07/09/08	07/11/08	1.24		*
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/11/08	0.092		
Copper	6010B	20.3	2.0	20.0	07/09/08	07/14/08	45.2		
Iron	6010B	40.5	20.3	20.0	07/09/08	07/14/08	17100		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	1.83		*
Zinc	6010B	20.3	3.04	20.0	07/09/08	07/14/08	38.9		

% Solids: 80.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-14-SD-080627-URS
Lab Code: K0805944-034

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.55	0.06	5.0	07/09/08	07/11/08	0.74		*
Cadmium	6020	0.022	0.004	5.0	07/09/08	07/11/08	0.093		
Copper	6010B	22.6	2.3	20.0	07/09/08	07/14/08	34.4		
Iron	6010B	45.2	22.6	20.0	07/09/08	07/14/08	14900		
Lead	6020	0.06	0.02	5.0	07/09/08	07/11/08	1.20		*
Zinc	6010B	22.6	3.39	20.0	07/09/08	07/14/08	26.9		

% Solids: 88.5

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/27/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: JC-15-SD-080627-URS
Lab Code: K0805944-035

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.48	0.05	5.0	07/09/08	07/11/08	1.43		*
Cadmium	6020	0.019	0.004	5.0	07/09/08	07/11/08	0.121		
Copper	6010B	19.3	1.9	20.0	07/09/08	07/14/08	47.2		
Iron	6010B	38.5	19.3	20.0	07/09/08	07/14/08	20000		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	1.63		*
Zinc	6010B	19.3	2.89	20.0	07/09/08	07/14/08	44.1		

% Solids: 85.1

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: ARV-04-SD-080624-URS **Lab Code:** K0805944-036

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.46	0.05	5.0	07/09/08	07/11/08	3.98		*
Cadmium	6020	0.018	0.004	5.0	07/09/08	07/11/08	0.434		
Copper	6010B	18.2	1.8	20.0	07/09/08	07/14/08	73.8		
Iron	6010B	36.4	18.2	20.0	07/09/08	07/14/08	27600		
Lead	6020	0.05	0.02	5.0	07/09/08	07/11/08	6.37		*
Zinc	6010B	18.2	2.73	20.0	07/09/08	07/14/08	93.1		

% Solids: 60.3

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected: 6/24/2008
Date Received: 7/1/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-01-RS-080624-URS **Lab Code:** K0805944-037

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.62	0.06	5.0	07/09/08	07/11/08	5.61		*
Cadmium	6020	0.025	0.005	5.0	07/09/08	07/11/08	0.324		
Copper	6010B	24.5	2.5	20.0	07/09/08	07/14/08	74.1		
Iron	6010B	49.1	24.5	20.0	07/09/08	07/14/08	35400		
Lead	6020	0.06	0.03	5.0	07/09/08	07/11/08	5.99		*
Zinc	6010B	24.5	3.68	20.0	07/09/08	07/14/08	97.9		

% Solids: 80.7

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected:
Date Received:
Units: mg/Kg
Basis: DRY

Sample Name: Method Blank
Lab Code: K0805944-MB1

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.05	5.0	07/09/08	07/10/08	0.05	U	
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/10/08	0.004	U	
Copper	6010B	2.0	0.2	2.0	07/09/08	07/14/08	0.2	U	
Iron	6010B	4.0	2.0	2.0	07/09/08	07/14/08	2.0	U	
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	0.02	B	
Zinc	6010B	2.00	0.3	2.0	07/09/08	07/14/08	0.3	U	

% Solids: 100.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SEDIMENT

Service Request: K0805944
Date Collected:
Date Received:
Units: mg/Kg
Basis: DRY

Sample Name: Method Blank
Lab Code: K0805944-MB2

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.05	5.0	07/09/08	07/10/08	0.05	U	*
Cadmium	6020	0.020	0.004	5.0	07/09/08	07/10/08	0.004	U	
Copper	6010B	2.0	0.2	2.0	07/09/08	07/14/08	0.3	B	
Iron	6010B	4.0	2.0	2.0	07/09/08	07/14/08	2.3	B	
Lead	6020	0.05	0.02	5.0	07/09/08	07/10/08	0.02	U	*
Zinc	6010B	2.00	0.3	2.0	07/09/08	07/14/08	0.3	U	

% Solids: 100.0

Comments:

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	URS Corporation	**Service Request:**	K0805944
Project No.:	25696770.00001	**Units:**	MG/KG
Project Name:	Blue Ledge Mine	**Basis:**	DRY
Matrix:	SEDIMENT	**% Solids:**	74.8

Sample Name: EC-07-RS-080625-URSS **Lab Code:** K0805944-017S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	56 - 136	108		5.84		109.58	93.2		6020
Cadmium	68 - 136	11.5		0.220		10.96	102.9		6020
Copper	45 - 148	108		51.9		55.24	101.6		6010B
Iron		40900		40400		220.97	226.3		6010B
Lead	31 - 178	119		6.08		109.58	103.0		6020
Zinc	31 - 160	190		84.6		110.49	95.4		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	URS Corporation	Service Request:	K0805944
Project No.:	25696770.00001	Units:	MG/KG
Project Name:	Blue Ledge Mine	Basis:	DRY
Matrix:	SEDIMENT	% Solids:	79.2

Sample Name: JC-08-SD-080626-URSS Lab Code: K0805944-026S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	56 - 136	77.6		2.54		78.91	95.1		6020
Cadmium	68 - 136	8.96		0.941		7.89	101.6		6020
Copper		1120		978		39.21	362.2		6010B
Iron		25800		24700		156.85	701.3		6010B
Lead	31 - 178	93.8		13.8		78.91	101.4		6020
Zinc	31 - 160	295		208		78.42	110.9		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0805944

Project No.: 25696770.00001
Units: MG/KG

Project Name: Blue Ledge Mine
Basis: DRY

Matrix: SEDIMENT
% Solids: 87.6

Sample Name: JC-12-SD-080627-URSS
Lab Code: K0805944-031S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	56 - 136	108		1.77		114.16	93.1		6020
Cadmium	68 - 136	11.7		0.097		11.42	101.6		6020
Copper	45 - 148	106		39.0		56.51	118.6		6010B
Iron		19400		16500		226.05	1282.9		6010B
Lead	31 - 178	116		2.09		114.16	99.8		6020
Zinc	31 - 160	140		35.4		113.03	92.5		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

Metals

- 6 -

DUPLICATES

Client: URS Corporation
Service Request: K0805944

Project No.: 25696770.00001
Units: MG/KG

Project Name: Blue Ledge Mine
Basis: DRY

Matrix: SEDIMENT
% Solids: 74.8

Sample Name: EC-07-RS-080625-URSD
Lab Code: K0805944-017D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	20	5.84		5.49		6.2		6020
Cadmium	20	0.220		0.231		4.9		6020
Copper		51.9		57.4		10.1		6010B
Iron	30	40400		38700		4.3		6010B
Lead	20	6.08		6.74		10.3		6020
Zinc		84.6		77.4		8.9		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 6 -

DUPLICATES

Client: URS Corporation
Service Request: K0805944

Project No.: 25696770.00001
Units: MG/KG

Project Name: Blue Ledge Mine
Basis: DRY

Matrix: SEDIMENT
% Solids: 79.2

Sample Name: JC-08-SD-080626-URSD
Lab Code: K0805944-026D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	20	2.54		3.67		36.4	*	6020
Cadmium	20	0.941		0.978		3.9		6020
Copper	30	978		1040		6.1		6010B
Iron	30	24700		25200		2.0		6010B
Lead	20	13.8		14.4		4.3		6020
Zinc	30	208		206		1.0		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 6 -

DUPLICATES

Client:	URS Corporation	Service Request:	K0805944
Project No.:	25696770.00001	Units:	MG/KG
Project Name:	Blue Ledge Mine	Basis:	DRY
Matrix:	SEDIMENT	% Solids:	87.6

Sample Name: JC-12-SD-080627-URSD Lab Code: K0805944-031D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		1.77		1.71		3.4		6020
Cadmium		0.097		0.116		17.8		6020
Copper		39.0		49.5		23.7		6010B
Iron	30	16500		21300		25.4		6010B
Lead	20	2.09		4.22		67.5	*	6020
Zinc		35.4		41.6		16.1		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0805944

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source:

Solid LCS Source: ERA D045540

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic				146	150		74 126	102.7
Cadmium				92.8	102		77 133	109.9
Copper				70	65.2		85 121	93.1
Iron				13900	14100		60 165	101.4
Lead				67.5	73.6		75 138	109.0
Zinc				402	363		89 125	90.3

Metals

- 7 -

LABORATORY CONTROL SAMPLE

lient: URS Corporation **Service Request:** K0805944

roject No.: 25696770.00001

roject Name: Blue Ledge Mine

queous LCS Source: **Solid LCS Source:** ERA D045540

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C Limits		%R
Arsenic				146	135	74	126	92.5
Cadmium				92.8	91.9	77	133	99.0
Copper				70	60.5	85	121	86.4
Iron				13900	14100	60	165	101.4
Lead				67.5	66.7	75	138	98.8
Zinc				402	368	89	125	91.5

1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

July 31, 2008 Analytical Report for Service Request No: K0806006

Christina Wheeler
URS Corporation
111 SW Columbia
Suite 1500
Portland, OR 97201-5850

RE: Blue Ledge Mine/25696770.00001

Dear Christina:

Enclosed are the results of the samples submitted to our laboratory on July 02, 2008. For your reference, these analyses have been assigned our service request number K0806006.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Lynda Huckestein
Client Services Manager

LH/ll

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	URS Corporation	**Service Request No.:**	K0806006
Project:	Blue Ledge Mine	**Date Received:**	7/2/2008
Sample Matrix:	Tissue, Solid, Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Laboratory Control Sample (LCS).

Sample Receipt

Six tissue, five solid and one water sample were received for analysis at Columbia Analytical Services on 7/2/2008. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of these samples were observed.

SPLP Metals

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recoveries of Copper and Zinc for sample WRS-1-DUP are not applicable. The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

Total and Dissolved Metals

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 9/4/08

Chain of Custody Documentation

CHAIN OF CUSTODY

Columbia Analytical Services, Inc. — An Employee-Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

SR#: K0806006 PAGE 1 OF 2 COC #

PROJECT NAME: BLUE LEDGE MINE
PROJECT NUMBER: 256967.70.00001
PROJECT MANAGER: M. EDWARDS
COMPANY/ADDRESS: URS
111 SW COLUMBIA, SUITE 1500
CITY/STATE/ZIP: PORTLAND, OR 97201
E-MAIL ADDRESS:
PHONE #: 503 222 7200 FAX #: 503 224 7292
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☐ 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐ Fuel Fingerprint (FIO) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐	Chlorophenolics - 8141A ☐ 8151A ☐ TH ☐ Tetra ☐ PCP ☐	PAHs 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐	Hex-Chrom ☐	pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	% Moisture	SPLP Metals			REMARKS
AMV-02-FT-080627-URS	6/27/08	1130		TISS	1									T					X					T=TOTAL
AR-02-FT-DUP-080627-URS	6/27/08	1800		TISS	1									T					X					" "
AR-02-FT-080627-URS	6/27/08	1800		TISS	1									T					X					" "
EC-02-FT-080626-URS	6/26/08	1015		TISS	1									T					X					" "
EC-04-FT-080626-URS		1145		TISS	1									T					X					" "
EC-07-FT-080626-URS		1245		TISS	1									T					X					" "
WR-1 URS-1	6/24/08	1700		S	1									T					X					" "
URS-1-DUP		1705		S	1									D						X				D=DISS.
URS-2		1710		S	2									D						X				" "
URS-3		1715		S	2									D						X				" "

REPORT REQUIREMENTS

- ___ I. Routine Report: Method Blank, Surrogate, as required
- X II. Report Dup., MS, MSD as required
- ___ III. Data Validation Report (includes all raw data)
- ___ IV. CLP Deliverable Report
- X V. EDD

INVOICE INFORMATION

P.O. # 256967.70.00001
Bill To:

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results
___ Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

Dissolved Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

TISSUE RESULTS SHOULD BE REPORTED ON A WET WEIGHT BASIS.

RUN SPLP EXTRACTION, THEN FILTER AND ANALYZE FOR DISSOLVED METALS (FOR SOIL SAMPLES)

Container Supply Number

9160

RELINQUISHED BY:

Signature: [signature] Date/Time: 7/2/08 1130
Printed Name: JENNIFER KAY Firm: URS

RECEIVED BY:

Signature: [signature] Date/Time: 7/2/08 1230
Printed Name: Tracy Black Firm: CAS

RELINQUISHED BY:

Signature _____ Date/Time _____
Printed Name _____ Firm _____

RECEIVED BY:

Signature _____ Date/Time _____
Printed Name _____ Firm _____

RCOC #1 06/03

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CHAIN OF CUSTODY

An Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE 2 OF 2 SR#: 10806006 COC #

PROJECT NAME	BLUE LEDGE MINE
PROJECT NUMBER	25696770.00001
PROJECT MANAGER	M. EDWARDS
COMPANY/ADDRESS	URS
	111 SW COLUMBIA, SUITE 1500
CITY/STATE/ZIP	PORTLAND, OR 97201
E-MAIL ADDRESS	
PHONE #	503 222 7200 FAX# 503 222 4292
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐	Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Fuel Fingerprint (FIQ) ☐ NW-HCID Screen	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCB's Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081A☐ 8141A☐ 8151A☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	PAHs 8310☐ SIM☐	Metals, Total (or Dissolved) (See list below)	Cyanide☐	Hex-Chrom☐	pH, Cond., CKSO4, PO4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020☐ AOX 1650☐ 506☐	SPLP METALS	TCLP METALS (SM3120B)	HARDNESS (SM2340B)	REMARKS
WLS-4	6/24/08	1720		S	2										D					X				D=DISS
T3SC-01-SW-062408-WLS	6/24/08	1830		W	3										X			X			X	X		

REPORT REQUIREMENTS

- ___ I. Routine Report: Method Blank, Surrogate, as required
- X II. Report Dup., MS, MSD as required
- ___ III. Data Validation Report (includes all raw data)
- ___ IV. CLP Deliverable Report
- X V. EDD

INVOICE INFORMATION

P.O. # 25696770.00001

Bill To: _____

TURNAROUND REQUIREMENTS

- ___ 24 hr. ___ 48 hr.
- ___ 5 Day
- X Standard (10-15 working days)
- ___ Provide FAX Results

Requested Report Date: _____

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al (As) Sb Ba Be B Ca (Cd) Co Cr (Cu) (Fe) (Pb) Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V (Zn) Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

See p. 1

500 ml HNO_3 + 250 ml Poly HAVE BEEN FIELD FILTERED

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature]	Signature: [signature]	Signature:	Signature:
Printed Name: JENNIFER FOX-HALL	Printed Name: Tracy Black	Printed Name:	Printed Name:
Date/Time: 7/2/08 1150	Date/Time: 7/2/08 1230	Date/Time:	Date/Time:
Firm: URS	Firm: CAS	Firm:	Firm:

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PAGE 02

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC LH

Client / Project: URS Service Request K08 06006

Received: 7/2/08 Opened: 7/2/08 By: A.J

1. Samples were received via? *US Mail* *Fed Ex* *UPS* *DHL* *GH* *GS* *PDX* (Courier) *Hand Delivered*
2. Samples were received in: (circle) (Cooler) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ NA (Y) N

5. Temperature of cooler(s) upon receipt (°C): -0.6
   Temperature Blank (°C): Broken
6. If applicable, list Chain of Custody Numbers:
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Packing material used. *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* (Wet Ice) *Sleeves* *Other* _____
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* (Y) N
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* NA (Y) N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* (NA) Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? (NA) Y N
16. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: _____

Total Solids

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Solid

Service Request: K0806006

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
WRS-1	K0806006-007	06/24/2008	07/02/2008	07/08/2008	78.0	
WRS-1-DUP	K0806006-008	06/24/2008	07/02/2008	07/08/2008	98.6	
WRS-2	K0806006-009	06/24/2008	07/02/2008	07/08/2008	94.5	
WRS-3	K0806006-010	06/24/2008	07/02/2008	07/08/2008	88.4	
WRS-4	K0806006-011	06/24/2008	07/02/2008	07/08/2008	92.4	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0806006
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/24/2008
Sample Matrix:	Solid	**Date Received:**	07/02/2008
		Date Analyzed:	07/08/2008

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
WRS-1	K0806006-007	78.0	83.8	80.9	7	

General Chemistry Parameters

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 06/26/08
Date Received : 07/02/08

Alkalinity as CaCO3, Total

Analysis Method : SM 2320 B
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
T3JC-01-SW-080626	K0806006-012	2	1	1	07/03/08	78	
Method Blank	K0806006-MB	2	1	1	07/03/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 6/26/2008
Date Received : 7/2/2008
Date Prepared : NA
Date Analyzed : 07/03/08

Duplicate Summary
Inorganic Parameters

Sample Name : T3JC-01-SW-080626
Lab Code : K0806006-012DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Alkalinity as CaCO3, Total	SM 2320 B	2	78	76	77	3	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0806006
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/03/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0806006-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Alkalinity as CaCO3, Total	NONE	SM 2320 B	110	109	99	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 06/26/08
Date Received : 07/02/08

Sulfate

Analysis Method : 300.0
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
T3JC-01-SW-080626	K0806006-012	0.2	0.012	2	07/07/08	1.9	
Method Blank	K0806006-MB	0.2	0.006	1	07/07/08	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 6/26/2008
Date Received : 7/2/2008
Date Prepared : NA
Date Analyzed : 07/07/08

Duplicate Summary
Inorganic Parameters

Sample Name : T3JC-01-SW-080626
Lab Code : K0806006-012DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	300.0	0.2	1.9	1.8	1.9	5	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 6/26/2008
Date Received : 7/2/2008
Date Prepared : NA
Date Analyzed : 07/07/08

Matrix Spike Summary
Inorganic Parameters

Sample Name : T3JC-01-SW-080626
Lab Code : K0806006-012MS
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	300.0	0.2	4.0	1.9	5.7	96	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0806006
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/07/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0806006-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	NONE	300.0	5.0	4.6	92	90-110	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project : Blue Ledge Mine

Service Request : K0806006
Date Collected : NA
Date Received : NA

Sulfate
300.0
Units: mg/L

CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	7/7/2008	5.0	4.8	96
CCV2 Result	7/7/2008	5.0	4.8	96
CCV3 Result	7/7/2008	5.0	4.7	94
CCV4 Result	7/7/2008	5.0	4.7	94

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project : Blue Ledge Mine

Service Request : K0806006
Date Collected : NA
Date Received : NA

Sulfate
300.0
Units: mg/L

CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	7/7/2008	0.2	ND
CCB2 Result	7/7/2008	0.2	ND
CCB3 Result	7/7/2008	0.2	ND
CCB4 Result	7/7/2008	0.2	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 06/26/08
Date Received : 07/02/08

Solids, Total Dissolved

Analysis Method : SM 2540 C
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
T3JC-01-SW-080626	K0806006-012	5	5	1	07/03/08	91	
Method Blank	K0806006-MB	5	5	1	07/03/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : NA
Date Received : NA
Date Prepared : NA
Date Analyzed : 07/03/08

Duplicate Summary
Inorganic Parameters

Sample Name : Batch QC
Lab Code : K0805877-018DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Dissolved	SM 2540 C	5	185	189	187	2	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0806006
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/03/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0806006-LCS	Basis :	NA
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Dissolved	NONE	SM 2540 C	805	728	90	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : 06/26/08
Date Received : 07/02/08

Solids, Total Suspended (TSS)

Analysis Method : SM 2540 D
Test Notes :

Units : mg/L
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
T3JC-01-SW-080626	K0806006-012	5	5	1	07/03/08	8	
Method Blank	K0806006-MB	5	5	1	07/03/08	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Blue Ledge Mine
Project Number : 25696770.00001
Sample Matrix : WATER

Service Request : K0806006
Date Collected : NA
Date Received : NA
Date Prepared : NA
Date Analyzed : 07/03/08

Duplicate Summary
Inorganic Parameters

Sample Name : Batch QC
Lab Code : K0805877-017DUP
Test Notes :

Units : mg/L
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Suspended (TSS)	SM 2540 D	5	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0806006
Project Name :	Blue Ledge Mine	**Date Collected :**	NA
Project Number :	25696770.00001	**Date Received :**	NA
Sample Matrix :	WATER	**Date Prepared :**	NA
		Date Analyzed :	07/03/08

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Lab Control Sample	Units :	mg/L
Lab Code :	K0806006-LCS	Basis :	NA

Test Notes :

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Suspended (TSS)	NONE	SM 2540 D	215	214	100	85-115	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	URS Corporation	**Service Request:**	K0806006
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/27/08
Sample Matrix:	Tissue	**Date Received:**	07/02/08

Solids, Total

Prep Method:	NONE	Units:	PERCENT
Analysis Method:	Freeze Dry	Basis:	Wet
Test Notes:			

Sample Name	Lab Code	Date Analyzed	Result	Result Notes
ARV-02-FT-080627-URS	K0806006-001	07/15/08	21.5	
AR-02-FT-DUP-080627-URS	K0806006-002	07/15/08	23.9	
AR-02-FT-080627-URS	K0806006-003	07/15/08	23.2	
EC-02-FT-080626-URS	K0806006-004	07/15/08	23.6	
EC-04-FT-080626-URS	K0806006-005	07/15/08	25.7	
EC-07-FT-080626-URS	K0806006-006	07/15/08	24.9	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0806006
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/27/08
Sample Matrix:	Tissue	**Date Received:**	07/02/08
		Date Extracted:	NA
		Date Analyzed:	07/15/08

Duplicate Summary
Total Metals

Sample Name:	ARV-02-FT-080627-URS	Units:	PERCENT
Lab Code:	K0806006-001D	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total	NA	Freeze Dry	21.5	22.1	21.8	3	

Metals

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.: 25696770.00001

Service Request: K0806006

Sample Name:	Lab Code:
ARV-02-FT-080627-URS	K0806006-001
ARV-02-FT-080627-URSD	K0806006-001D
ARV-02-FT-080627-URSS	K0806006-001S
AR-02-FT-DUP-080627-URS	K0806006-002
AR-02-FT-080627-URS	K0806006-003
EC-02-FT-080626-URS	K0806006-004
EC-04-FT-080626-URS	K0806006-005
EC-07-FT-080626-URS	K0806006-006
Method Blank	K0806006-MB

Comments:

Approved By: _____ **Date:** 7/31/08

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/27/2008
Date Received: 7/2/2008
Units: mg/Kg
Basis: DRY

Sample Name: ARV-02-FT-080627-URS
Lab Code: K0806006-001

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.48	0.08	5.0	07/18/08	07/24/08	0.63		
Cadmium	200.8	0.019	0.005	5.0	07/18/08	07/24/08	0.228		
Copper	200.8	0.10	0.05	5.0	07/18/08	07/24/08	10.7		
Iron	6010B	1.9	0.7	1.0	07/18/08	07/23/08	198		
Lead	200.8	0.019	0.004	5.0	07/18/08	07/24/08	0.126		
Zinc	200.8	0.48	0.08	5.0	07/18/08	07/24/08	107		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/27/2008
Date Received: 7/2/2008
Units: mg/Kg
Basis: DRY

Sample Name: AR-02-FT-DUP-080627-URS **Lab Code:** K0806006-002

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.49	0.08	5.0	07/18/08	07/24/08	0.55		
Cadmium	200.8	0.020	0.005	5.0	07/18/08	07/24/08	0.555		
Copper	200.8	0.10	0.05	5.0	07/18/08	07/24/08	13.8		
Iron	6010B	2.0	0.7	1.0	07/18/08	07/23/08	487		
Lead	200.8	0.020	0.004	5.0	07/18/08	07/24/08	0.099		
Zinc	200.8	0.49	0.08	5.0	07/18/08	07/24/08	127		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/27/2008
Date Received: 7/2/2008
Units: mg/Kg
Basis: DRY

Sample Name: AR-02-FT-080627-URS **Lab Code:** K0806006-003

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.43	0.07	5.0	07/18/08	07/24/08	0.70		
Cadmium	200.8	0.017	0.004	5.0	07/18/08	07/24/08	0.623		
Copper	200.8	0.09	0.04	5.0	07/18/08	07/24/08	13.6		
Iron	6010B	1.7	0.6	1.0	07/18/08	07/23/08	298		
Lead	200.8	0.017	0.003	5.0	07/18/08	07/24/08	0.074		
Zinc	200.8	0.43	0.07	5.0	07/18/08	07/24/08	144		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/26/2008
Date Received: 7/2/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-02-FT-080626-URS **Lab Code:** K0806006-004

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.49	0.08	5.0	07/18/08	07/24/08	0.63		
Cadmium	200.8	0.019	0.005	5.0	07/18/08	07/24/08	0.734		
Copper	200.8	0.10	0.05	5.0	07/18/08	07/24/08	24.3		
Iron	6010B	2.0	0.7	1.0	07/18/08	07/23/08	436		
Lead	200.8	0.019	0.004	5.0	07/18/08	07/24/08	0.265		
Zinc	200.8	0.49	0.08	5.0	07/18/08	07/24/08	157		

Comments:

Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/26/2008
Date Received: 7/2/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-04-FT-080626-URS **Lab Code:** K0806006-005

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.47	0.08	5.0	07/18/08	07/24/08	0.58		
Cadmium	200.8	0.019	0.005	5.0	07/18/08	07/24/08	0.521		
Copper	200.8	0.10	0.05	5.0	07/18/08	07/24/08	18.6		
Iron	6010B	1.9	0.7	1.0	07/18/08	07/23/08	4430		
Lead	200.8	0.019	0.004	5.0	07/18/08	07/24/08	0.756		
Zinc	200.8	0.47	0.08	5.0	07/18/08	07/24/08	114		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/26/2008
Date Received: 7/2/2008
Units: mg/Kg
Basis: DRY

Sample Name: EC-07-FT-080626-URS
Lab Code: K0806006-006

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.49	0.08	5.0	07/18/08	07/24/08	0.98		
Cadmium	200.8	0.019	0.005	5.0	07/18/08	07/24/08	0.274		
Copper	200.8	0.10	0.05	5.0	07/18/08	07/24/08	9.32		
Iron	6010B	2.0	0.7	1.0	07/18/08	07/23/08	1180		
Lead	200.8	0.019	0.004	5.0	07/18/08	07/24/08	0.261		
Zinc	200.8	0.49	0.08	5.0	07/18/08	07/24/08	99.6		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected:
Date Received:
Units: mg/Kg
Basis: DRY

Sample Name: Method Blank
Lab Code: K0806006-MB

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.50	0.08	5.0	07/18/08	07/24/08	0.08	U	
Cadmium	200.8	0.020	0.005	5.0	07/18/08	07/24/08	0.005	U	
Copper	200.8	0.10	0.05	5.0	07/18/08	07/24/08	0.06	B	
Iron	6010B	2.0	0.7	1.0	07/18/08	07/23/08	0.7	U	
Lead	200.8	0.020	0.004	5.0	07/18/08	07/24/08	0.004	U	
Zinc	200.8	0.50	0.08	5.0	07/18/08	07/24/08	0.18	B	

Comments:

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: URS Corporation **Service Request:** K0806006

Project No.: 25696770.00001 **Units:** MG/KG

Project Name: Blue Ledge Mine **Basis:** DRY

Matrix: TISSUE

Sample Name: ARV-02-FT-080627-URSS **Lab Code:** K0806006-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	70 - 130	16.9		0.63		14.74	110.4		200.8
Cadmium	70 - 130	5.210		0.228		4.41	113.0		200.8
Copper	70 - 130	33.2		10.7		22.06	102.0		200.8
Iron	70 - 130	281		198		88.24	94.1		6010B
Lead	70 - 130	43.7		0.126		44.12	98.8		200.8
Zinc	70 - 130	147		107		44.12	90.7		200.8

An empty field in the Control Limit column indicates the control limit is not applicabl

Metals

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DUPLICATES

Client: URS Corporation
Service Request: K0806006

Project No.: 25696770.00001
Units: MG/KG

Project Name: Blue Ledge Mine
Basis: DRY

Matrix: TISSUE
% Solids: 100.0

Sample Name: ARV-02-FT-080627-URSD
Lab Code: K0806006-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.63		0.64		1.6		200.8
Cadmium	30	0.228		0.234		2.6		200.8
Copper	30	10.7		10.7		0.0		200.8
Iron	20	198		192		3.1		6010B
Lead	30	0.126		0.110		13.6		200.8
Zinc	30	107		127		17.1		200.8

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation **Service Request:** K0806006

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source: Inorganic Ventures **Solid LCS Source:**

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	167	174	104.2					
Cadmium	50	54.1	108.2					
Copper	250	261	104.4					
Iron	1000	1080	108.0					
Lead	500	506	101.2					
Zinc	500	511	102.2					

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine
LCS Matrix: Tissue

Service Request: K0806006
Date Collected: NA
Date Received: NA
Date Extracted: 7/18/2008
Date Analyzed: 7/23/2008-7/24/2008

Laboratory Control Sample Summary
Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K0806006-LCS
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dorm-2

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	200.8	18	20	111	13.5-22.9	
Cadmium	PSEP Tissue	200.8	0.043	0.0610	142	0.028-0.0612	
Copper	PSEP Tissue	200.8	2.34	2.45	105	1.74-3.00	
Iron	PSEP Tissue	6010B	142	171	120	106-182	
Lead	PSEP Tissue	200.8	0.065	0.063	97	0.020-0.091	
Zinc	PSEP Tissue	200.8	25.6	30.4	119	20.3-31.0	

LCS/032295

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine
LCS Matrix: Tissue

Service Request: K0806006
Date Collected: NA
Date Received: NA
Date Extracted: 7/18/2008
Date Analyzed: 7/23/2008-7/24/2008

Laboratory Control Sample Summary
Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K0806006-LCS
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Tort-2

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	200.8	21.6	24.2	112	15.8-28.1	
Cadmium	PSEP Tissue	200.8	26.7	29.4	110	20.9-32.8	
Copper	PSEP Tissue	200.8	106	107	101	77-139	
Iron	PSEP Tissue	6010B	105	111	106	74-142	
Lead	PSEP Tissue	200.8	0.35	0.4	114	0.18-0.58	
Zinc	PSEP Tissue	200.8	180	199	111	139-223	

TCLP METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0806006

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Sample No.	Lab Sample ID.
WRS-1	K0806006-007
WRS-1D	K0806006-007D
WRS-1S	K0806006-007S
WRS-1-DUP	K0806006-008
WRS-2	K0806006-009
WRS-3	K0806006-010
WRS-4	K0806006-011
Method Blank	K0806006-MB

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

Signature: _____ Date: 7/31/08

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0806006
Project No.:	25696770.00001	Date Collected:	06/24/08
Project Name:	Blue Ledge Mine	Date Received:	07/02/08
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: WRS-1 Lab Code: K0806006-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.02	1	7/15/08	7/15/08	0.02	U	
Barium	6010B	1.0	0.1	1	7/15/08	7/15/08	0.4	B	
Cadmium	6010B	0.0100	0.0008	1	7/15/08	7/15/08	0.0010	B	
Chromium	6010B	0.010	0.002	1	7/15/08	7/15/08	0.002	U	
Lead	6010B	0.05	0.02	1	7/15/08	7/15/08	0.02	U	
Mercury	7470A	0.0010	0.0002	1	7/15/08	7/16/08	0.0002	U	
Selenium	6010B	0.10	0.03	1	7/15/08	7/15/08	0.03	U	
Silver	6010B	0.020	0.003	1	7/15/08	7/15/08	0.003	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0806006
Project No.:	25696770.00001	Date Collected:	06/24/08
Project Name:	Blue Ledge Mine	Date Received:	07/02/08
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: WRS-1-DUP Lab Code: K0806006-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.02	1	7/15/08	7/15/08	0.02	U	
Barium	6010B	1.0	0.1	1	7/15/08	7/15/08	0.3	B	
Cadmium	6010B	0.0100	0.0008	1	7/15/08	7/15/08	0.0008	U	
Chromium	6010B	0.010	0.002	1	7/15/08	7/15/08	0.002	B	
Lead	6010B	0.05	0.02	1	7/15/08	7/15/08	0.02	U	
Mercury	7470A	0.0010	0.0002	1	7/15/08	7/16/08	0.0002	U	
Selenium	6010B	0.10	0.03	1	7/15/08	7/15/08	0.03	U	
Silver	6010B	0.020	0.003	1	7/15/08	7/15/08	0.003	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0806006
Project No.:	25696770.00001	Date Collected:	06/24/08
Project Name:	Blue Ledge Mine	Date Received:	07/02/08
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: WRS-2 Lab Code: K0806006-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.02	1	7/15/08	7/15/08	0.02	U	
Barium	6010B	1.0	0.1	1	7/15/08	7/15/08	0.3	B	
Cadmium	6010B	0.0100	0.0008	1	7/15/08	7/15/08	0.0008	U	
Chromium	6010B	0.010	0.002	1	7/15/08	7/15/08	0.002	U	
Lead	6010B	0.05	0.02	1	7/15/08	7/15/08	0.04	B	
Mercury	7470A	0.0010	0.0002	1	7/15/08	7/16/08	0.0002	U	
Selenium	6010B	0.10	0.03	1	7/15/08	7/15/08	0.03	U	
Silver	6010B	0.020	0.003	1	7/15/08	7/15/08	0.003	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0806006
Project No.:	25696770.00001	Date Collected:	06/24/08
Project Name:	Blue Ledge Mine	Date Received:	07/02/08
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: WRS-3 Lab Code: K0806006-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.02	1	7/15/08	7/15/08	0.02	U	
Barium	6010B	1.0	0.1	1	7/15/08	7/15/08	0.3	B	
Cadmium	6010B	0.0100	0.0008	1	7/15/08	7/15/08	0.0008	U	
Chromium	6010B	0.010	0.002	1	7/15/08	7/15/08	0.002	U	
Lead	6010B	0.05	0.02	1	7/15/08	7/15/08	0.04	B	
Mercury	7470A	0.0010	0.0002	1	7/15/08	7/16/08	0.0002	U	
Selenium	6010B	0.10	0.03	1	7/15/08	7/15/08	0.03	U	
Silver	6010B	0.020	0.003	1	7/15/08	7/15/08	0.003	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0806006
Project No.:	25696770.00001	Date Collected:	06/24/08
Project Name:	Blue Ledge Mine	Date Received:	07/02/08
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: WRS-4 Lab Code: K0806006-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.02	1	7/15/08	7/15/08	0.02	U	
Barium	6010B	1.0	0.1	1	7/15/08	7/15/08	0.3	B	
Cadmium	6010B	0.0100	0.0008	1	7/15/08	7/15/08	0.0008	U	
Chromium	6010B	0.010	0.002	1	7/15/08	7/15/08	0.002	U	
Lead	6010B	0.05	0.02	1	7/15/08	7/15/08	0.02	U	
Mercury	7470A	0.0010	0.0002	1	7/15/08	7/16/08	0.0002	U	
Selenium	6010B	0.10	0.03	1	7/15/08	7/15/08	0.03	U	
Silver	6010B	0.020	0.003	1	7/15/08	7/15/08	0.003	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TCLP

Service Request: K0806006
Date Collected:
Date Received:
Units: MG/L
Basis: NA

Sample Name: Method Blank
Lab Code: K0806006-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.02	1	7/15/08	7/15/08	0.02	U	
Barium	6010B	1.0	0.1	1	7/15/08	7/15/08	0.1	U	
Cadmium	6010B	0.0100	0.0008	1	7/15/08	7/15/08	0.0008	U	
Chromium	6010B	0.010	0.002	1	7/15/08	7/15/08	0.002	U	
Lead	6010B	0.05	0.02	1	7/15/08	7/15/08	0.02	U	
Mercury	7470A	0.0010	0.0002	1	7/15/08	7/16/08	0.0003	B	
Selenium	6010B	0.10	0.03	1	7/15/08	7/15/08	0.03	U	
Silver	6010B	0.020	0.003	1	7/15/08	7/15/08	0.003	U	

% Solids: 0.0

Comments:

TCLP METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TCLP

Service Request: K0806006
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: WRS-1S
Lab Code: K0806006-007S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	5.01		0.02	U	5.00	100		6010B
Barium	75 - 125	10.7		0.4	B	10.0	103		6010B
Cadmium	75 - 125	1.0300		0.0010	B	1.0000	102		6010B
Chromium	75 - 125	4.970		0.002	U	5.000	99		6010B
Lead	75 - 125	4.69		0.02	U	5.00	94		6010B
Mercury	75 - 125	0.0049		0.0002	U	0.0050	98		7470A
Selenium	75 - 125	1.04		0.03	U	1.00	104		6010B
Silver	75 - 125	0.941		0.003	U	1.000	94		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

TCLP METALS

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DUPLICATES

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TCLP

Service Request: K0806006
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: WRS-1D
Lab Code: K0806006-007D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.02	U	0.02	U			6010B
Barium		0.4	B	0.4	B	1		6010B
Cadmium		0.0010	B	0.0010	B	5		6010B
Chromium		0.002	U	0.002	U			6010B
Lead		0.02	U	0.02	U			6010B
Mercury		0.0002	U	0.0002	U			7470A
Selenium		0.03	U	0.03	U			6010B
Silver		0.003	U	0.003	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

TCLP METALS

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LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0806006

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous mg/L True	Found	%R	Solid (mg/kg) True	Found	C	Limits (%)		%R
Arsenic	5.00	5.07	101						
Barium	10.0	10.4	104						
Cadmium	1.00	1.02	102						
Chromium	5.00	4.95	99						
Lead	5.00	4.67	93						
Mercury	0.00500	0.00540	108						
Selenium	1.00	1.07	107						
Silver	1.00	0.948	95						

Columbia Analytical Services

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.: 25696770.00001

Service Request: K0806006

Sample Name:	Lab Code:
WRS-1	K0806006-007
WRS-1D	K0806006-007D
WRS-1S	K0806006-007S
WRS-1-DUP	K0806006-008
WRS-1-DUPD	K0806006-008D
WRS-1-DUPS	K0806006-008S
WRS-2	K0806006-009
WRS-3	K0806006-010
WRS-4	K0806006-011
Method Blank	K0806006-MB

Comments:

Approved By: _____ **Date:** 7/31/08

SPLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SPLP

Service Request: K0806006
Date Collected: 6/24/08
Date Received: 7/2/08
Units: mg/L
Basis: N/A

Sample Name: WRS-1
Lab Code: K0806006-007

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.0005	1.0	07/14/08	07/18/08	0.0005	U	
Cadmium	6020	0.00005	1.0	07/14/08	07/18/08	0.00067		
Copper	6020	0.005	1.0	07/14/08	07/18/08	0.11		
Iron	6010B	0.02	1.0	07/08/08	07/09/08	0.04		
Lead	6020	0.0002	1.0	07/14/08	07/18/08	0.0012		
Zinc	6020	0.005	1.0	07/14/08	07/18/08	0.26		

% Solids: 0.0

Comments:

SPLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SPLP

Service Request: K0806006
Date Collected: 6/24/08
Date Received: 7/2/08
Units: mg/L
Basis: N/A

Sample Name: WRS-1-DUP
Lab Code: K0806006-008

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.0005	1.0	07/14/08	07/18/08	0.0005	U	
Cadmium	6020	0.00005	1.0	07/14/08	07/18/08	0.00073		
Copper	6020	0.005	1.0	07/14/08	07/18/08	0.13		
Iron	6010B	0.02	1.0	07/08/08	07/09/08	0.06		
Lead	6020	0.0002	1.0	07/14/08	07/18/08	0.0009		
Zinc	6020	0.005	1.0	07/14/08	07/18/08	0.26		

% Solids: 0.0

Comments:

SPLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SPLP

Service Request: K0806006
Date Collected: 6/24/08
Date Received: 7/2/08
Units: mg/L
Basis: N/A

Sample Name: WRS-2
Lab Code: K0806006-009

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.0005	1.0	07/14/08	07/18/08	0.0005	U	
Cadmium	6020	0.00005	1.0	07/14/08	07/18/08	0.00010		
Copper	6020	0.005	1.0	07/14/08	07/18/08	0.086		
Iron	6010B	0.02	1.0	07/08/08	07/09/08	0.03		
Lead	6020	0.0002	1.0	07/14/08	07/18/08	0.017		
Zinc	6020	0.005	1.0	07/14/08	07/18/08	0.14		

% Solids: 0.0

Comments:

SPLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SPLP

Service Request: K0806006
Date Collected: 6/24/08
Date Received: 7/2/08
Units: mg/L
Basis: N/A

Sample Name: WRS-3
Lab Code: K0806006-010

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.0005	1.0	07/14/08	07/18/08	0.0005	U	
Cadmium	6020	0.00005	1.0	07/14/08	07/18/08	0.00050		
Copper	6020	0.005	1.0	07/14/08	07/18/08	0.23		
Iron	6010B	0.02	1.0	07/08/08	07/09/08	0.03		
Lead	6020	0.0002	1.0	07/14/08	07/18/08	0.021		
Zinc	6020	0.005	1.0	07/14/08	07/18/08	0.20		

% Solids: 0.0

Comments:

SPLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SPLP

Service Request: K0806006
Date Collected: 6/24/08
Date Received: 7/2/08
Units: mg/L
Basis: N/A

Sample Name: WRS-4
Lab Code: K0806006-011

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.0005	1.0	07/14/08	07/18/08	0.0005	U	
Cadmium	6020	0.00005	1.0	07/14/08	07/18/08	0.00086		
Copper	6020	0.005	1.0	07/14/08	07/18/08	0.23		
Iron	6010B	0.02	1.0	07/08/08	07/09/08	0.06		
Lead	6020	0.0002	1.0	07/14/08	07/18/08	0.0069		
Zinc	6020	0.005	1.0	07/14/08	07/18/08	0.20		

% Solids: 0.0

Comments:

SPLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: SPLP

Service Request: K0806006
Date Collected:
Date Received:
Units: mg/L
Basis: N/A

Sample Name: Method Blank
Lab Code: K0806006-MB

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.0005	1.0	07/14/08	07/18/08	0.0005	U	
Cadmium	6020	0.00005	1.0	07/14/08	07/18/08	0.00005	U	
Copper	6020	0.005	1.0	07/14/08	07/18/08	0.005	U	
Iron	6010B	0.02	1.0	07/08/08	07/09/08	0.02	U	
Lead	6020	0.0002	1.0	07/14/08	07/18/08	0.0002	U	
Zinc	6020	0.005	1.0	07/14/08	07/18/08	0.005	U	

% Solids: 0.0

Comments:

SPLP Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	URS Corporation	**Service Request:**	K0806006
Project No.:	25696770.00001	**Units:**	MG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	SPLP	**% Solids:**	0.0

Sample Name: WRS-1S **Lab Code:** K0806006-007S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Iron	75 - 125	9.09		0.02	U	10.00	91		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

SPLP Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	URS Corporation	**Service Request:**	K0806006
Project No.:	25696770.00001	**Units:**	MG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	SPLP	**% Solids:**	0.0

Sample Name: WRS-1-DUPS **Lab Code:** K0806006-008S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	0.0184		0.0005	U	0.02	92		6020
Cadmium	75 - 125	0.01993		0.00073		0.02	96		6020
Copper		0.146		0.127		0.02	95		6020
Lead	75 - 125	0.0205		0.0009		0.02	98		6020
Zinc		0.285		0.259		0.02	130		6020

An empty field in the Control Limit column indicates the control limit is not applicable

SPLP Metals

- 6 -

DUPLICATES

Client:	URS Corporation	**Service Request:**	K0806006
Project No.:	25696770.00001	**Units:**	MG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	SPLP	**% Solids:**	0.0

Sample Name: WRS-1D **Lab Code:** K0806006-007D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Iron		0.04		0.04		0.0		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

SPLP Metals

- 6 -

DUPLICATES

Client: URS Corporation
Service Request: K0806006

Project No.: 25696770.00001
Units: MG/L

Project Name: Blue Ledge Mine
Basis: N/A

Matrix: SPLP
% Solids: 0.0

Sample Name: WRS-1-DUPD
Lab Code: K0806006-008D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.0005	U	0.0005	U			6020
Cadmium	20	0.00073		0.00077		5.33		6020
Copper	20	0.127		0.128		0.78		6020
Lead		0.0009		0.0009		0.00		6020
Zinc	20	0.259		0.264		1.91		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

SPLP Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation **Service Request:** K0806006

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source: CAS MIXED **Solid LCS Source:**

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	0.02	0.02	100					
Cadmium	0.02	0.02	100					
Copper	0.02	0.02	100					
Iron	10.00	8.90	89					
Lead	0.02	0.02	100					
Zinc	0.02	0.02	100					

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	URS Corporation	**Service Request:**	K0806006
Project:	Blue Ledge Mine/25696770.00001	**Date Collected:**	06/26/08
Sample Matrix:	Water	**Date Received:**	07/02/08

Hardness as CaCO3

Prep Method:	CLAA	Units:	mg/L (ppm)
Analysis Method:	6010B/SM 2340B	Basis:	NA
Test Notes:			

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
T3JC-01-SW-080626	K0806006-012	0.4	1	07/21/08	07/22/08	74.1	
Method Blank	K0806006-MB	0.4	1	07/21/08	07/22/08	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Blue Ledge Mine/25696770.00001
Sample Matrix: Water

Service Request: K0806006
Date Collected: 06/26/08
Date Received: 07/02/08
Date Extracted: 07/21/08
Date Analyzed: 07/22/08

Duplicate Summary
Metals

Sample Name: T3JC-01-SW-080626
Lab Code: K0806006-012
Test Notes:

Units: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hardness as CaCO3	CLAA	6010B/SM 2340B	0.4	74.1	71.8	73.0	3	

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project Name: Blue Ledge Mine
Project No.: 25696770.00001

Service Request: K0806006

Sample Name:	Lab Code:
T3JC-01-SW-080626	K0806006-012 DISS
T3JC-01-SW-080626D	K0806006-012D DISS
T3JC-01-SW-080626S	K0806006-012S DISS
Method Blank	K0806006-MB

Comments:

Approved By: _____ **Date:** 7/31/08

Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0806006
Date Collected: 6/26/2008
Date Received: 7/2/2008
Units: ug/L
Basis: N/A

Sample Name: T3JC-01-SW-080626
Lab Code: K0806006-012 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/16/08	07/18/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/16/08	07/18/08	0.010	B	
Copper	6020	0.10	0.02	1.0	07/16/08	07/18/08	0.42		
Iron	6010B	20.0	4.0	1.0	07/21/08	07/22/08	97.9		
Lead	6020	0.020	0.003	1.0	07/16/08	07/18/08	0.007	B	
Zinc	6020	0.50	0.06	1.0	07/16/08	07/18/08	1.75		

% Solids: 0.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: WATER

Service Request: K0806006
Date Collected:
Date Received:
Units: ug/L
Basis: N/A

Sample Name: Method Blank
Lab Code: K0806006-MB

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.07	1.0	07/16/08	07/18/08	0.07	U	
Cadmium	6020	0.020	0.008	1.0	07/16/08	07/18/08	0.008	U	
Copper	6020	0.10	0.02	1.0	07/16/08	07/18/08	0.05	B	
Iron	6010B	20.0	4.0	1.0	07/21/08	07/22/08	4.0	U	
Lead	6020	0.020	0.003	1.0	07/16/08	07/18/08	0.003	U	
Zinc	6020	0.50	0.06	1.0	07/16/08	07/18/08	0.34	B	

% Solids: 0.0

Comments:

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	URS Corporation	**Service Request:**	K0806006
Project No.:	25696770.00001	**Units:**	UG/L
Project Name:	Blue Ledge Mine	**Basis:**	N/A
Matrix:	WATER	**% Solids:**	0.0

Sample Name: T3JC-01-SW-080626S **Lab Code:** K0806006-012S DISS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	74 - 126	19.7		0.50	U	20.00	98.5		6020
Cadmium	84 - 113	19.5		0.010	B	20.00	97.4		6020
Copper	63 - 126	19.1		0.42		20.00	93.4		6020
Iron	68 - 135	1090		97.9		1000.00	99.2		6010B
Lead	71 - 119	19.5		0.007	B	20.00	97.5		6020
Zinc	62 - 126	20.7		1.75		20.00	94.8		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

Metals

- 6 -

DUPLICATES

Client:	URS Corporation	Service Request:	K0806006
Project No.:	25696770.00001	Units:	UG/L
Project Name:	Blue Ledge Mine	Basis:	N/A
Matrix:	WATER	% Solids:	0.0

Sample Name: T3JC-01-SW-080626D Lab Code: K0806006-012D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.07	U	0.09	B	200.0		6020
Cadmium		0.010	B	0.008	U	200.0		6020
Copper		0.42		0.39		7.4		6020
Iron		97.9		93.8		4.3		6010B
Lead		0.007	B	0.003	U	200.0		6020
Zinc		1.75		1.75		0.0		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation Service Request: K0806006

Project No.: 25696770.00001

Project Name: Blue Ledge Mine

Aqueous LCS Source: CAS MIXED Solid LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	20	19.7	98.5					
Cadmium	20	19.9	99.5					
Calcium	12500	12700	101.6					
Copper	20	19.5	97.5					
Iron	2500	2520	100.8					
Lead	20	20.1	100.5					
Magnesium	12500	12300	98.4					
Zinc	20	20.0	100.0					

1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

August 13, 2008 Analytical Report for Service Request No: K0806006

Christina Wheeler
URS Corporation
111 SW Columbia
Suite 1500
Portland, OR 97201-5850

RE: Blue Ledge Mine/25696770.00001

Dear Christina:

Enclosed are the revised pages for the samples submitted to our laboratory on July 02, 2008. For your reference, these analyses have been assigned our service request number K0806006.

The results have been revised to reflect a wet weight basis.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Lynda Huckestein
Client Services Manager

LH/afs

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/27/08
Date Received: 7/2/08
Units: mg/Kg
Basis: WET

Sample Name: ARV-02-FT-080627-URS
Lab Code: K0806006-001

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.10	0.02	5.0	07/18/08	07/24/08	0.14		
Cadmium	200.8	0.004	0.001	5.0	07/18/08	07/24/08	0.049		
Copper	200.8	0.02	0.01	5.0	07/18/08	07/24/08	2.29		
Iron	6010B	0.4	0.1	1.0	07/18/08	07/23/08	43		
Lead	200.8	0.004	0.001	5.0	07/18/08	07/24/08	0.027		
Zinc	200.8	0.10	0.02	5.0	07/18/08	07/24/08	22.9		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/27/08
Date Received: 7/2/08
Units: mg/Kg
Basis: WET

Sample Name: AR-02-FT-DUP-080627-URS
Lab Code: K0806006-002

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.12	0.02	5.0	07/18/08	07/24/08	0.13		
Cadmium	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.133		
Copper	200.8	0.02	0.01	5.0	07/18/08	07/24/08	3.30		
Iron	6010B	0.5	0.2	1.0	07/18/08	07/23/08	116		
Lead	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.024		
Zinc	200.8	0.12	0.02	5.0	07/18/08	07/24/08	30.3		

Comments:

Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/27/08
Date Received: 7/2/08
Units: mg/Kg
Basis: WET

Sample Name: AR-02-FT-080627-URS
Lab Code: K0806006-003

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.10	0.02	5.0	07/18/08	07/24/08	0.16		
Cadmium	200.8	0.004	0.001	5.0	07/18/08	07/24/08	0.145		
Copper	200.8	0.02	0.01	5.0	07/18/08	07/24/08	3.15		
Iron	6010B	0.4	0.1	1.0	07/18/08	07/23/08	69		
Lead	200.8	0.004	0.001	5.0	07/18/08	07/24/08	0.017		
Zinc	200.8	0.10	0.02	5.0	07/18/08	07/24/08	33.5		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/26/08
Date Received: 7/2/08
Units: mg/Kg
Basis: WET

Sample Name: EC-02-FT-080626-URS
Lab Code: K0806006-004

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.12	0.02	5.0	07/18/08	07/24/08	0.15		
Cadmium	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.173		
Copper	200.8	0.02	0.01	5.0	07/18/08	07/24/08	5.73		
Iron	6010B	0.5	0.2	1.0	07/18/08	07/23/08	103		
Lead	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.062		
Zinc	200.8	0.12	0.02	5.0	07/18/08	07/24/08	37.1		

Comments:

Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/26/08
Date Received: 7/2/08
Units: mg/Kg
Basis: WET

Sample Name: EC-04-FT-080626-URS
Lab Code: K0806006-005

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.12	0.02	5.0	07/18/08	07/24/08	0.15		
Cadmium	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.134		
Copper	200.8	0.02	0.01	5.0	07/18/08	07/24/08	4.79		
Iron	6010B	0.5	0.2	1.0	07/18/08	07/23/08	1140		
Lead	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.194		
Zinc	200.8	0.12	0.02	5.0	07/18/08	07/24/08	29.2		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected: 6/26/08
Date Received: 7/2/08
Units: mg/Kg
Basis: WET

Sample Name: EC-07-FT-080626-URS
Lab Code: K0806006-006

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.12	0.02	5.0	07/18/08	07/24/08	0.24		
Cadmium	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.068		
Copper	200.8	0.02	0.01	5.0	07/18/08	07/24/08	2.32		
Iron	6010B	0.5	0.2	1.0	07/18/08	07/23/08	295		
Lead	200.8	0.005	0.001	5.0	07/18/08	07/24/08	0.065		
Zinc	200.8	0.12	0.02	5.0	07/18/08	07/24/08	24.8		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation
Project No.: 25696770.00001
Project Name: Blue Ledge Mine
Matrix: TISSUE

Service Request: K0806006
Date Collected:
Date Received:
Units: mg/Kg
Basis: WET

Sample Name: Method Blank
Lab Code: K0806006-MB

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.15	0.02	5.0	07/18/08	07/24/08	0.02	U	
Cadmium	200.8	0.006	0.002	5.0	07/18/08	07/24/08	0.002	U	
Copper	200.8	0.03	0.02	5.0	07/18/08	07/24/08	0.02	B	
Iron	6010B	0.6	0.2	1.0	07/18/08	07/23/08	0.2	U	
Lead	200.8	0.006	0.001	5.0	07/18/08	07/24/08	0.001	U	
Zinc	200.8	0.15	0.02	5.0	07/18/08	07/24/08	0.05	B	

Comments:

DATA QUALITY QA/QC REPORT

The data quality review of thirty-three primary water samples, two field duplicate water samples, twenty-four primary sediment samples, two duplicate sediment samples, ten riparian soil samples, one duplicate riparian soil samples, five primary fish tissue samples, one duplicate fish tissue sample, four primary waste rock samples and one duplicate waste rock sample collected as part of the Summer 2008 Field Investigation at the Blue Ledge Mine has been completed. The sampling occurred from June 24th to June 27th, 2008. The samples were submitted to Columbia Analytical Services, Inc (CAS) located in Kelso, Washington. All analyses were performed in general accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846*), Update IIIB, June 2005 and *Methods for Chemical Analysis of Water and Wastes*, March 1983. Samples were analyzed for one or more of the following parameters:

Method	Analytical Parameter
EPA 6010B/6020	Total and Dissolved Metals[1]
EPA 1312	SPLP Metals[1]
EPA 1311	TCLP Metals[2]
SM 2540D	Total Suspended Solids (TSS)
SM 2540C	Total Dissolved Solids (TDS)
EPA 300.0	Sulfate
SM 2340B	Hardness
SM 2320B	Alkalinity
ASTM D422 mod.	Particle Size Determination
Freeze Dry (Tissue) 160.3M (Soil/Sediment)	Percent Solids

[1]Arsenic, Cadmium, Copper, Iron, Lead and Zinc
[2]Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver

The project samples were divided into four sample delivery groups (SDGs) and assigned CAS SDG numbers K0805778, K0805893, K0805944 and K0806006. CAS provided data packages for these four SDGs consisting of summarized sample and QC results. The analytical review of this data included the evaluation of hold times, method blanks, surrogate recoveries, laboratory control sample (LCS) results, laboratory and field duplicate results (DUP), and matrix spike/matrix spike duplicate (MS/MSD) results. Additionally verification of the reported electronic data with the hard copy deliverable was reviewed at a frequency of 15% or greater. Specific sample identifications and requested analyses are presented in Table 1. The data were reviewed based on *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, October 2004 and laboratory quality control criteria per the project *Work Plan and Sampling Analysis Plan* (WSAP) (URS, 2008). Data qualifiers assigned to sample results are presented in Table 2 and have been incorporated into the data tables attached to the main body of this report.

The cooler temperatures were recorded as part of the check-in procedure by CAS. Coolers associated with SDG K0805893 were received by the laboratory at temperatures ranging from

6.0°C to 7.0°C, slightly above the EPA recommended temperature range of 4 ± 2°C. The samples were packed into coolers with fresh ice just prior to the lab courier pick-up; therefore, the coolers did not have sufficient time to reach the EPA recommended temperature range. No qualification due to the temperature exceedance was necessary.

INORGANIC ANALYSES

Samples were analyzed for total and dissolved metals, TCLP and SPLP metals by the methods identified in the introduction to this report.

1. Holding Times – Acceptable
2. Blanks – Acceptable with the following exceptions:

   Dissolved Metals by EPA Method 6020 – Zinc (dissolved) was detected at 0.10 ug/L in the method blank associated with batch K0805778. All associated sample results were greater than ten times the blank result with the exception of sample AR-01-SW-080624-URS (K0805778-001). This result was qualified as non-detect at the reporting limit, 0.50 U.

   Dissolved Metals by EPA Method 6020 – Lead (dissolved) was detected at 0.0009 ug/L in the method blank, MB2, associated with batch K0805893. All associated sample results less than ten times the blank result were qualified as non-detect at the reporting limit, 0.020 U.

   Dissolved Metals by EPA Method 6020 – Lead (dissolved), copper (dissolved), and zinc were detected in the method blank associated with batch K0806006. All associated sample results were greater than 10 times the blank concentration, therefore, no qualification was necessary.
3. Laboratory Control Samples (LCS or Blank Spike) – Acceptable
4. Laboratory Duplicate – Acceptable with the following exceptions:

   Total Metals by EPA Method 6020 – The relative percent difference (RPD) for arsenic of 36.4% exceeded the laboratory control limit of 20% in the laboratory duplicate analysis of sample JC-08-SD-080626-URS. Upon comparison of physical and chemical results of other samples in the investigation, it was determined that qualification of only the parent sample was required. The arsenic result for the parent sample was qualified as estimated and flagged 'J'.

   Total Metals by EPA Method 6020 – The relative percent difference (RPD) for lead of 67.5% exceeded the laboratory control limit of 20% in the laboratory duplicate analysis of sample JC-12-SD-080627-URS. Upon comparison of physical and chemical results of other samples in the investigation, it was determined that qualification of only the parent sample was required. The arsenic result for the parent sample was qualified as estimated and flagged 'J'.
5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Acceptable
6. Laboratory Qualifiers

   The laboratory flagged results detected at concentrations between the method detection

limit (MDL) and the method-reporting limit (MRL) with a 'B' to indicate that the concentration is estimated. This qualifier was amended to a 'J' as a result of this data review.

CONVENTIONAL CHEMISTRY PARAMETERS

Samples were analyzed for sulfate, total suspended solids, total dissolved solids, hardness and alkalinity by the methods identified in the introduction to this report.

1. Holding Times – Acceptable
2. Blanks – Acceptable
3. Laboratory Control Samples (LCS or Blank Spike) – Acceptable
4. Duplicate – Acceptable
5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Acceptable

FIELD DUPLICATE

Samples submitted for field duplicate analysis and the associated parent sample are summarized below:

Field Duplicate Sample ID	Parent Sample ID	Matrix
AR-02-FT-DUP-080627-URS	AR-02-FT-080627-URS	Fish Tissue
WRS-1-DUP	WRS-1	Waste Rock
EC-04-SD-DUP-080625-URS	EC-04-SD-080625-URS	Sediment
EC-05-SD-DUP-080625-URS	EC-05-SD-080625-URS	Sediment
EC-05-RS-DUP-080625-URS	EC-05-RS-080625-URS	Riparian Soil
EC-04-SW-DUP-080625-URS	EC-04-SW-080625-URS	Surface Water
JC-07-SW-DUP-080626-URS	JC-07-SW-080625-URS	Surface Water

Field duplicates were collected at the appropriate frequency of one per twenty samples per matrix as required by the WSAP. RPDs were calculated for all results greater than five times the reporting limit. Project-specific criteria for field duplicate precision was not specifically delineated in the WSAP, however recommend criteria of 30% for solid matrices and 20% for water were applied. All calculated RPDs between the parent sample and field duplicate for all parameters were with these recommended limits with one exception. The RPD for iron in the analysis of AR-02-FT-DUP-080627-URS and AR-02-FT-080627-URS of 50% exceeded the recommended control limit. The total iron sample results for the parent/duplicate pair were qualified as estimated and flagged 'J'.

OVERALL ASSESSMENT OF DATA

The completeness of the CAS reports for the 2008 Site Investigation sampling events is 100%. The laboratory originally submitted the fish tissue results on a dry weight basis when results had

been requested on a wet weight basis. The laboratory promptly supplied the revised results for these analyses. The usefulness of this data is based on USEPA guidance documents referenced in the introduction to this report. Upon consideration of the information presented above, the data are considered usable. Data qualifiers assigned by the laboratory are shown on the laboratory reports.

DATA QUALIFIER DEFINITIONS:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table 1

Client Sample ID	Sample Location	Sample Date	Laboratory Sample ID	Requested Analyses
DAM-01-080624-URS	DAM-01	6/24/08	K0805778-005	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
AD-01-080624-URS	AD-01	6/24/08	K0805778-008	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
AD-02-080624-URS	AD-02	6/24/08	K0805778-006	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
SP-01-080624-URS	SP-01	6/24/08	K0805778-007	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
SP-02-080627-URS	SP-02	6/27/08	K0805893-022	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
WRS-1	Waste Rock Pile	6/24/08	K0806006-007	SPLP Metals and TCLP Metals
WRS-1-DUP	Waste Rock Pile	6/24/08	K0806006-008	SPLP Metals and TCLP Metals
WRS-2	Waste Rock Pile	6/24/08	K0806006-009	SPLP Metals and TCLP Metals
WRS-3	Waste Rock Pile	6/24/08	K0806006-010	SPLP Metals and TCLP Metals
WRS-4	Waste Rock Pile	6/24/08	K0806006-011	SPLP Metals and TCLP Metals
JC-01-SD-080626-URS	JC-01	6/26/08	K0805944-019	Total Metals, Particle Size
JC-01-SW-080626-URS	JC-01	6/26/08	K0805893-008	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-01-RS-080626-URS	JC-01	6/26/08	K0805944-020	Total Metals, Particle Size
JC-02-SD-080626-URS	JC-02	6/26/08	K0805944-021	Total Metals, Particle Size
JC-02-SW-080626-URS	JC-02	6/26/08	K0805893-009	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-03-RS-080626-URS	JC-03	6/26/08	K0805944-022	Total Metals, Particle Size
JC-03-SD-080626-URS	JC-03	6/26/08	K0805944-023	Total Metals, Particle Size
JC-03-SW-080626-URS	JC-03	6/26/08	K0805893-010	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-04-RS-080627-URS	JC-04	6/27/08	K0805944-024	Total Metals, Particle Size
JC-04-SD-080627-URS	JC-04	6/27/08	K0805944-025	Total Metals, Particle Size
JC-04-SW-080627-URS	JC-04	6/27/08	K0805893-011	Dissolved Metals, Sulfate, Alkalinity. Hardness, TDS, TSS
JC-07-SW-080626-URS	JC-07	6/26/08	K0805893-012	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-07-SW-DUP-080626-URS	JC-07	6/26/08	K0805893-013	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-08-SD-080626-URS	JC-08	6/26/08	K0805944-026	Total Metals, Particle Size
JC-08-SW-080626-URS	JC-08	6/26/08	K0805893-014	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-09-SW-080627-URS	JC-09	6/27/08	K0805893-015	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-10-SD-080627-URS	JC-10	6/27/08	K0805944-027	Total Metals, Particle Size
JC-10-SW-080627-URS	JC-10	6/27/08	K0805893-016	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-11-SD-080627-URS	JC-11	6/27/08	K0805944-029	Total Metals, Particle Size
JC-11-SW-080627-URS	JC-11	6/27/08	K0805893-017	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-12-RS-080627-URS	JC-12	6/27/08	K0805944-030	Total Metals, Particle Size
JC-12-SD-080627-URS	JC-12	6/27/08	K0805944-031	Total Metals, Particle Size

Client Sample ID	Sample Location	Sample Date	Laboratory Sample ID	Requested Analyses
JC-12-SW-080627-URS	JC-12	6/27/08	K0805893-018	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-13-SD-080627-URS	JC-13	6/27/08	K0805944-032	Total Metals, Particle Size
JC-13-SW-080627-URS	JC-13	6/27/08	K0805893-019	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-14-RS-080627-URS	JC-14	6/27/08	K0805944-033	Total Metals, Particle Size
JC-14-SD-080627-URS	JC-14	6/27/08	K0805944-034	Total Metals, Particle Size
JC-14-SW-080627-URS	JC-14	6/27/08	K0805893-020	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
JC-15-SD-080627-URS	JC-15	6/27/08	K0805944-035	Total Metals, Particle Size
JC-15-SW-080627-URS	JC-15	6/27/08	K0805893-021	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
MG-01-SW-080626-URS	MG-01	6/26/08	K0805893-023	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
T3JC-01-SW-080626-URS	T3JC-01	6/26/08	K0806006-012	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
T4JC-01-SW-080627-URS	T4JC-01	6/27/08	K0805893-024	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
T4JC-02-SW-080627-URS	T4JC-02	6/27/08	K0805893-025	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-01-SW-080624-URS	EC-01	6/24/08	K0805778-002	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-01-RS-080624-URS	EC-01	6/24/08	K0805944-037	Total Metals, Particle Size
EC-01-SD-080624-URS	EC-01	6/24/08	K0805944-007	Total Metals, Particle Size
EC-02-RS-080625-URS	EC-02	6/25/08	K0805944-008	Total Metals, Particle Size
EC-02-SD-080625-URS	EC-02	6/25/08	K0805944-009	Total Metals, Particle Size
EC-03-SD-080625-URS	EC-03	6/25/08	K0805944-010	Total Metals, Particle Size
EC-04-SD-080625-URS	EC-04	6/25/08	K0805944-011	Total Metals, Particle Size
EC-04-SD-DUP-080625-URS	EC-04	6/25/08	K0805944-012	Total Metals, Particle Size
EC-05-RS-080625-URS	EC-05	6/25/08	K0805944-013	Total Metals, Particle Size
EC-05-RS-DUP-080625-URS	EC-05	6/25/08	K0805944-014	Total Metals, Particle Size
EC-05-SD-080625-URS	EC-05	6/25/08	K0805944-015	Total Metals, Particle Size
EC-05-SD-DUP-080625-URS	EC-05	6/25/08	K0805944-028	Total Metals, Particle Size
EC-06-SD-080625-URS	EC-06	6/25/08	K0805944-016	Total Metals, Particle Size
EC-07-RS-080625-URS	EC-07	6/25/08	K0805944-017	Total Metals, Particle Size
EC-07-SD-080625-URS	EC-07	6/25/08	K0805944-018	Total Metals, Particle Size
EC-02-FT-080626-URS	EC-02	6/26/08	K0806006-004	Total Metals
EC-02-SW-080625-URS	EC-02	6/25/08	K0805893-001	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-03-SW-080625-URS	EC-03	6/25/08	K0805893-002	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-04-FT-080626-URS	EC-04	6/26/08	K0806006-005	Total Metals
EC-04-SW-080625-URS	EC-04	6/25/08	K0805893-003	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-04-SW-DUP-080625-URS	EC-04	6/25/08	K0805893-004	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-05-SW-080625-URS	EC-05	6/25/08	K0805893-005	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
EC-06-SW-080625-URS	EC-06	6/25/08	K0805893-006	Dissolved Metals, Sulfate,

Client Sample ID	Sample Location	Sample Date	Laboratory Sample ID	Requested Analyses
				Alkalinity, Hardness, TDS, TSS
EC-07-FT-080626-URS	EC-07	6/26/08	K0806006-006	Total Metals
EC-07-SW-080625-URS	EC-07	6/25/08	K0805893-007	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
AR-01-SW-080624-URS	AR-01	6/24/08	K0805778-001	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
AR-01-RS-080624-URS	AR-01	6/24/08	K0805944-001	Total Metals, Particle Size
AR-01-SD-080624-URS	AR-01	6/24/08	K0805944-002	Total Metals, Particle Size
AR-02-FT-080627-URS	AR-02	6/27/08	K0806006-003	Total Metals
AR-02-FT-DUP-080627-URS	AR-02	6/27/08	K0806006-002	Total Metals
AR-02-SW-080624-URS	AR-02	6/24/08	K0805778-004	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS
AR-02-SD-080624-URS	AR-02	6/24/08	K0805944-003	Total Metals, Particle Size
ARV-01-SD-080624-URS	ARV-01	6/24/08	K0805944-004	Total Metals, Particle Size
ARV-02-FT-080627-URS	ARV-02	6/27/08	K0806006-001	Total Metals
ARV-02-SD-080624-URS	ARV-01	6/24/08	K0805944-005	Total Metals, Particle Size
ARV-03-SD-080624-URS	ARV-03	6/24/08	K0805944-006	Total Metals, Particle Size
ARV-04-SD-080624-URS	ARV-04	6/24/08	K0805944-036	Total Metals, Particle Size
ARV-04-SW-080624-URS	ARV-04	6/24/08	K0805778-003	Dissolved Metals, Sulfate, Alkalinity, Hardness, TDS, TSS

Notes:
Sample matrix identified within Sample ID as:
SD = Sediment
RS = Riparian Soil
SW = Surface Water
WR = Waste Rock
FT = Fish Tissue
Samples collected at sample locations DAM-01, AD-01, AD-02, SP-01, SP-02 are water matrices.

Table 2

Client Sample ID	Laboratory Sample ID	Analyte	Qualifier	Rationale
AR-01-SW-080624-URS	K0805778-001	Zinc (dissolved)	0.50 U	Method Blank
EC-02-SW-080625-URS	K0805893-001	Lead (dissolved)	0.020 U	Method Blank
EC-03-SW-080625-URS	K0805893-002	Lead (dissolved)	0.020 U	Method Blank
EC-04-SW-080625-URS	K0805893-003	Lead (dissolved)	0.020 U	Method Blank
EC-04-SW-DUP-080625-URS	K0805893-004	Lead (dissolved)	0.020 U	Method Blank
EC-05-SW-080625-URS	K0805893-005	Lead (dissolved)	0.020 U	Method Blank
EC-06-SW-080625-URS	K0805893-006	Lead (dissolved)	0.020 U	Method Blank
EC-07-SW-080625-URS	K0805893-007	Lead (dissolved)	0.020 U	Method Blank
JC-01-SW-080625-URS	K0805893-008	Lead (dissolved)	0.020 U	Method Blank
JC-02-SW-080625-URS	K0805893-009	Lead (dissolved)	0.020 U	Method Blank
JC-03-SW-080625-URS	K0805893-010	Lead (dissolved)	0.020 U	Method Blank
JC-04-SW-080625-URS	K0805893-011	Lead (dissolved)	0.020 U	Method Blank
JC-09-SW-080627-URS	K0805893-015	Lead (dissolved)	0.020 U	Method Blank
JC-10-SW-080627-URS	K0805893-016	Lead (dissolved)	0.020 U	Method Blank
JC-11-SW-080627-URS	K0805893-017	Lead (dissolved)	0.020 U	Method Blank
JC-12-SW-080627-URS	K0805893-018	Lead (dissolved)	0.020 U	Method Blank
JC-13-SW-080627-URS	K0805893-019	Lead (dissolved)	0.020 U	Method Blank
JC-14-SW-080627-URS	K0805893-020	Lead (dissolved)	0.020 U	Method Blank
JC-15-SW-080627-URS	K0805893-021	Lead (dissolved)	0.020 U	Method Blank
MG-01-SW-080626-URS	K0805893-023	Lead (dissolved)	0.020 U	Method Blank
T4JC-02-SW-080627-URS	K0805893-025	Lead (dissolved)	0.020 U	Method Blank
AR-01-SW-080624-URS	K0805778-001	Cadmium (dissolved) Iron (dissolved) Lead (dissolved)	J	Detection between MDL and MRL
EC-01-SW-080624-URS	K0805778-002	Arsenic (dissolved) Iron (dissolved)	J	Detection between MDL and MRL
ARV-04-SW-080624-URS	K0805778-003	Arsenic (dissolved) Cadmium (dissolved) Iron (dissolved) Lead (dissolved)	J	Detection between MDL and MRL
AR-02-SW-080624-URS	K0805778-004	Arsenic (dissolved) Iron (dissolved) Lead (dissolved)	J	Detection between MDL and MRL
SP-01-080624-URS	K0805778-007	Arsenic (dissolved)	J	Detection between MDL and MRL
EC-02-SW-080625-URS	K0805893-001	Arsenic (dissolved)	J	Detection between MDL and MRL
EC-03-SW-080625-URS	K0805893-002	Arsenic (dissolved) Iron (dissolved)	J	Detection between MDL and MRL
EC-04-SW-080625-URS	K0805893-003	Arsenic (dissolved)	J	Detection between MDL and MRL

Client Sample ID	Laboratory Sample ID	Analyte	Qualifier	Rationale
EC-04-SW-DUP-080625-URS	K0805893-004	Arsenic (dissolved)	J	Detection between MDL and MRL
EC-05-SW-080625-URS	K0805893-005	Arsenic (dissolved)	J	Detection between MDL and MRL
EC-06-SW-080625-URS	K0805893-006	Arsenic (dissolved)	J	Detection between MDL and MRL
EC-07-SW-080625-URS	K0805893-007	Arsenic (dissolved)	J	Detection between MDL and MRL
JC-01-SW-080625-URS	K0805893-008	Lead (dissolved)	J	Detection between MDL and MRL
JC-02-SW-080625-URS	K0805893-009	Lead (dissolved)	J	Detection between MDL and MRL
JC-03-SW-080625-URS	K0805893-010	Lead (dissolved)	J	Detection between MDL and MRL
JC-04-SW-080627-URS	K0805893-011	Iron (dissolved) Lead (dissolved)	J	Detection between MDL and MRL
JC-09-SW-080627-URS	K0805893-015	Lead (dissolved)	J	Detection between MDL and MRL
JC-10-SW-080627-URS	K0805893-016	Lead (dissolved)	J	Detection between MDL and MRL
JC-11-SW-080627-URS	K0805893-017	Arsenic (dissolved) Lead (dissolved) Zinc (dissolved)	J	Detection between MDL and MRL
JC-12-SW-080627-URS	K0805893-018	Lead (dissolved)	J	Detection between MDL and MRL
JC-13-SW-080627-URS	K0805893-019	Lead (dissolved)	J	Detection between MDL and MRL
JC-14-SW-080627-URS	K0805893-020	Lead (dissolved)	J	Detection between MDL and MRL
JC-15-SW-080627-URS	K0805893-021	Lead (dissolved)	J	Detection between MDL and MRL
MG-01-SW-080626-URS	K0805893-023	Lead (dissolved)	J	Detection between MDL and MRL
T4JC-02-SW-080627-URS	K0805893-025	Iron (dissolved) Lead (dissolved)	J	Detection between MDL and MRL
WRS-1	K0806006-007	TCLP Barium TCLP Cadmium	J	Detection between MDL and MRL
WRS-1-DUP	K0806006-008	TCLP Barium TCLP Chromium	J	Detection between MDL and MRL
WRS-2	K0806006-009	TCLP Barium TCLP Lead	J	Detection between MDL and MRL
WRS-3	K0806006-010	TCLP Barium TCLP Lead	J	Detection between MDL and MRL
WRS-4	K0806006-011	TCLP Barium	J	Detection between MDL and MRL
T3JC-01-SW-080626	K0806006-012	Cadmium (dissolved) Lead (dissolved)	J	Detection between MDL and MRL
JC-08-SD-080626-URS	K0805944-026	Arsenic (total)	J	Laboratory duplicate RPD exceedence
JC-12-SD-080627-URS	K0805944-030	Lead (total)	J	Laboratory duplicate RPD exceedence

Client Sample ID	Laboratory Sample ID	Analyte	Qualifier	Rationale
AR-02-FT-080627-URS	K0806006-003	Iron (total)	J	Field duplicate RPD exceedence
AR-02-FT-DUP-080627-URS	K0806006-002	Iron (total)	J	Field duplicate RPD exceedence