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YOUR REFERENCE DV1020012401
OUR REFERENCE McBRIDE ASSOC RESULTS

March 22, 2004

Mr. George Andrews
McBride Associates, LLC
200 W. 48th Avenue
Denver, Colorado 80216

PUBLIC
DOCUMENT

Dear Mr. Andrews:

Thank you for allowing the EPA to collect samples from your property to investigate whether there is any significant environmental contamination remaining from the ARGO Smelter that existed near the I-25 and I-70 interchange prior to 1900. This letter provides you with a summary of the overall site-wide results and the specific results of the sampling conducted at your property in December 2003.

Summary of Site-Wide Findings

The EPA collected soil samples from borings at 36 different locations across the site. These locations are shown on Figure 1. Each boring went from the surface down to about 10-25 feet in depth. Each boring was divided into several depth intervals (e.g., 0-2 feet, 2-6 feet, etc.) before analysis for metals often associated with smelter sites (arsenic, cadmium, lead, copper, zinc, etc.). Of the 122 total soil samples analyzed, all but one was found to be below a level of concern for workers at the site. One sample (from a depth of 10-12 feet) had an elevated level of arsenic that would be of potential concern if a worker were exposed to it for many years. Because the sample is buried, no one is currently exposed, and the EPA considers it rather unlikely that anyone would be exposed in the future. Also, the spatial extent of the contamination appears to be limited. Thus, the EPA has concluded that there is no significant reason to be concerned over contamination in the soil.

The EPA also attempted to investigate whether groundwater at the site is contaminated. However, most of the borings (34 out of 36) drilled at the site did not encounter any water. At the two locations where near-surface groundwater was present, samples of the water were found to contain elevated levels of several metals at concentrations high enough to make the water unsafe to drink. However, this water is not currently used for drinking, and the EPA believes that it is not likely to be used in the future as a source of drinking water. Thus, the EPA believes that there is no reason at the present time for health concerns due to groundwater contamination.

Summary of the Results from Your Property

The results of the sampling from your property at two locations are provided in the attached sheets. In brief, these results indicate that soil beneath your site is not contaminated at a level of concern, and no groundwater was located on your property. Thus, the EPA does not believe that there is a reason for concern at your property.

Mr. George Andrews
McBride Associates, LLC

March 22, 2004

Next Steps at the Site

Because metals in the water samples collected at the site were elevated, the EPA and the State believe it is important to collect additional data to determine if contaminated water might be migrating off the site to a location where humans could be exposed. For this reason, the EPA will be placing some temporary wells to monitor water (if any water is present) at the eastern edge of the site near I-25 and I-70. This activity will occur in early spring with the duration of sampling dependent on the results of the sampling and analysis.

If you have any questions regarding the sampling results for your property or about the EPA's plans to investigate further, please do not hesitate to contact me at 303-629-8788. Mr. Victor Ketellapper, EPA Project Manager, can be reached at 303-312-6578.

Sincerely,
Knight Piesold and Co

Paul D. Bergstrom
Project Manager

PDB:lkr
Attachments

cc: Mr. Victor Ketellapper, EPA

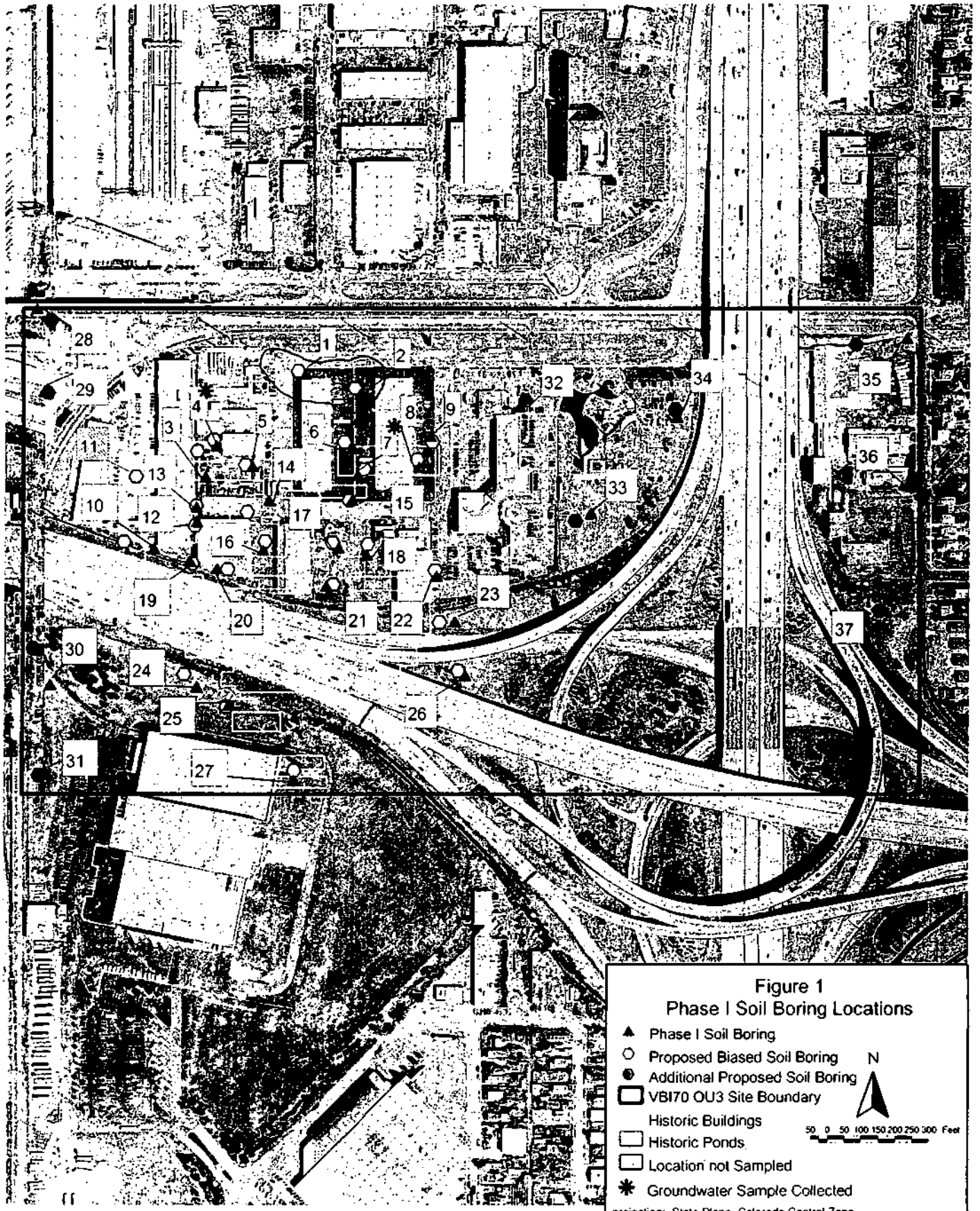

Figure 1
Phase I Soil Boring Locations

- ▲ Phase I Soil Boring
- ○ Proposed Biased Soil Boring
- ● Additional Proposed Soil Boring
- VBI70 OU3 Site Boundary
- Historic Buildings
- Historic Ponds
- Location not Sampled
- ✱ Groundwater Sample Collected

projection: State Plane, Colorado Central Zone
horizontal datum: NAD83/92 Adjusted to the HARN
vertical datum: NAVD88

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SOIL BORING LOG

KUMAR & ASSOCIATES

Project Name: VB & I-70	Project No. 03-1-411	Boring No: 33	Sheet 1 of 1
Boring Location: SEE SITE PLAN	Start Date: 12/18/03	Completion Date: 12/18/03	
Driller: ZACK ENS / Rig Type: DIRECT PUSH	Ground Elev: 5198.94	NORTHING 1710284.93	EASTING 3143031.77
Logged By: CAJ	Water Depth: Not Encountered		

SOIL CORE

Depth, feet	EXTENT	% RECOVERY	Laboratory Sample ID	PID Reading (ppm)	Graphic Log	U.S.C.S	DESCRIPTION	CONTACT DEPTH	FIELD NOTES
0	0-5	75	0033A			FILL	ASPHALT 0-4", ABOVE GRAVEL, ABOVE CLAYEY SAND.		SAMPLE AT 4"
2			0033B			SC	CLAYEY SAND, DARK BROWN 10YR 3/3, MOIST	2'6"	STIFFENS AND DARKENS AT 2'-6" SAMPLE AT 3'
4								4'6"	
6	5-10	75							
8			0033C			SP-SM	SLIGHTLY SILTY SAND, MOIST BROWN 10YR 6/3 NOTICEABLY SOFTER THAN THE SC FROM 2'6"-4'6"		SAMPLE AT 9'
10									
12	10-15	125							
14			0033D			SP-GP	GRAVELLY SAND TO SANDY GRAVEL, PINK 5R 7/4 TO LIGHT GRAYN7/ GRANITIC GRAINS, SUBANGULAR, WET FROM 16'6" TO 17'3"	14'10"	SAMPLE AT 15'
16	15-20	90						17'	
18			0033E			CS	WEATHERED CLAYSTONE, OLIVE GREEN 5Y 4/1 SLIGHTLY MOIST		SAMPLE AT 18' ORGANICS AT 18'
20					REFUSAL		REFUSAL AT 20' BELOW GROUND SURFACE	20'	
22									
24									
26									
28									
30									
32			RIN-0004				Qc SAMPLES: RINSEATE BLANK		
34									
36									

SOIL BORING LOG

KUMAR & ASSOCIATES

Project Name: VB & I-70	Project No. 03-1-411	Boring No: 34	Sheet 1 of 1
Boring Location: SEE SITE PLAN	Start Date: 12/18/03	Completion Date: 12/18/03	
Driller: ZACK ENS / Rig Type: DIRECT PUSH	Ground Elev: 5200.47	NORTHING	EASTING
Logged By: CAJ	Water Depth: Not Encountered	1710567.65	3143284.37

SOIL CORE

Depth, feet	EXTENT	% RECOVERY	Laboratory Sample ID	PID Reading (ppm)	Graphic Log	U.S.C.S	DESCRIPTION	CONTACT DEPTH	FIELD NOTES
0			0034A				ASPHALT 0-4" ABOVE 3" OF GRAVEL, ABOVE CLAYEY SAND FROM 7" TO 4'6" ABOVE BRICK FROM 4'6" TO 5', ABOVE CLAYEY SAND, LIGHT BROWN 10YR 8/3		SAMPLE AT 4"
2	0-5	55							1" OF BLACK AND AT 7'6"
4			0034B			FILL			SAMPLE AT 4'6"
6									
8	5-10	48						7'6"	DENSE AT CONTACT POSSIBLE GROUND SURFACE
10							SILTY SAND, LIGHT BROWN 10YR 7/3, MOIST, LOOSE TO MEDIUM DENSE		
12	10-15	60	0034C&D			SP-SM			SAMPLE AT 11'
14									
16								16'6"	SHARP CONTACT
18	15-20	75	0034E			SP-GP	GRAVELLY SAND, LAYERS OF SANDY GRAVEL, GRANITIC GRAINS, SUBANGULAR, SLIGHTLY MOIST	17'6"	SHARP CONTACT SAMPLE AT 18'
20									
22	20-24	125	0034F			CS	WEATHERED CLAYSTONE, SLIGHTLY MOIST, YELLOWISH GRAY 5Y 8/1, LIGHT OLIVE BROWN 5Y 5/6 IRONSTAINING IN FRACTURES		SAMPLE AT 21'
24					REFUSAL		REFUSAL AT 24' BELOW GROUND SURFACE	24'	
26									
28									
30									
32									
34									
36									

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-A

TOTAL Metals

Lot-Sample #...: D3L190464-001 Matrix.....: SOLID
Date Sampled...: 12/18/03 14:15 Date Received..: 12/19/03 16:35
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356303						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F659E1A2
		Dilution Factor: 1				
Prep Batch #...: 3357647						
Silver	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AA
		Dilution Factor: 1				
Aluminum	20000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AC
		Dilution Factor: 1				
Arsenic	5.5	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AD
		Dilution Factor: 1				
Barium	200	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AE
		Dilution Factor: 1				
Beryllium	0.51	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AF
		Dilution Factor: 1				
Calcium	8000	20	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AG
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AH
		Dilution Factor: 1				
Cobalt	7.5	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AJ
		Dilution Factor: 1				
Chromium	13	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AK
		Dilution Factor: 1				
Copper	18	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AL
		Dilution Factor: 1				
Iron	17000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AM
		Dilution Factor: 1				
Potassium	1900	300	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AN
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-A

TOTAL Metals

Lot-Sample #...: D3L190464-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	3500	20	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AP
		Dilution Factor: 1				
Manganese	240	1.0	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AQ
		Dilution Factor: 1				
Sodium	530	500	mg/kg	SW846 6010B	12/30-01/05/04	F659E1AR
		Dilution Factor: 1				
Nickel	8.5	4.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AT
		Dilution Factor: 1				
Lead	21	0.80	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AU
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AV
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AW
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/30-01/04/04	F659E1AX
		Dilution Factor: 1				
Vanadium	32	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659E1A0
		Dilution Factor: 1				
Zinc	65	2.0	mg/kg	SW846 6010B	12/30-01/05/04	F659E1A1
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-B

TOTAL Metals

Lot-Sample #...: D3L190464-002 Matrix.....: SOLID
Date Sampled...: 12/18/03 14:20 Date Received..: 12/19/03 16:35
% Moisture.....: 8.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356303						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F659F1AD
		Dilution Factor: 1				
Prep Batch #...: 3357647						
Silver	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AF
		Dilution Factor: 1				
Aluminum	13000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AG
		Dilution Factor: 1				
Arsenic	2.9	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AH
		Dilution Factor: 1				
Barium	100	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AJ
		Dilution Factor: 1				
Beryllium	ND	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AK
		Dilution Factor: 1				
Calcium	2700	20	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AL
		Dilution Factor: 1				
Cadmium	ND G	1.1	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AM
		Dilution Factor: 1				
Cobalt	6.4	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AN
		Dilution Factor: 1				
Chromium	16	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AP
		Dilution Factor: 1				
Copper	8.1	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AQ
		Dilution Factor: 1				
Iron	17000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AR
		Dilution Factor: 1				
Potassium	2800	300	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-B

TOTAL Metals

Lot-Sample #...: D3L190464-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	3100	20	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AU
		Dilution Factor: 1				
Manganese	300	1.0	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AV
		Dilution Factor: 1				
Sodium	ND	500	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AW
		Dilution Factor: 1				
Nickel	8.6	4.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AX
		Dilution Factor: 1				
Lead	12	0.80	mg/kg	SW846 6010B	12/30-01/04/04	F659F1A0
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/30-01/04/04	F659F1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/30-01/04/04	F659F1A3
		Dilution Factor: 1				
Vanadium	31	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659F1AA
		Dilution Factor: 1				
Zinc	55	2.0	mg/kg	SW846 6010B	12/30-01/05/04	F659F1AC
		Dilution Factor: 1				

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-C

TOTAL Metals

Lot-Sample #...: D3L190464-003 Matrix.....: SOLID
Date Sampled...: 12/18/03 14:25 Date Received..: 12/19/03 16:35
% Moisture.....: 3.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356303						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F659G1AD
		Dilution Factor: 1				
Prep Batch #...: 3357647						
Silver	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AF
		Dilution Factor: 1				
Aluminum	5100	10	mg/kg	SW846 6010B	12/30-01/05/04	F659G1AG
		Dilution Factor: 1				
Arsenic	1.8	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AH
		Dilution Factor: 1				
Barium	55	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AJ
		Dilution Factor: 1				
Beryllium	ND	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AK
		Dilution Factor: 1				
Calcium	2500	20	mg/kg	SW846 6010B	12/30-01/05/04	F659G1AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AM
		Dilution Factor: 1				
Cobalt	4.0	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AN
		Dilution Factor: 1				
Chromium	13	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AP
		Dilution Factor: 1				
Copper	6.0	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1AQ
		Dilution Factor: 1				
Iron	12000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659G1AR
		Dilution Factor: 1				
Potassium	1200	300	mg/kg	SW846 6010B	12/30-01/05/04	F659G1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-C

TOTAL Metals

Lot-Sample #...: D3L190464-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**1700**	**20**	**mg/kg**	**SW846 6010B**	**12/30-01/05/04**	**F659G1AU**
		Dilution Factor: 1				
Manganese	**160**	**1.0**	**mg/kg**	**SW846 6010B**	**12/30-01/05/04**	**F659G1AV**
		Dilution Factor: 1				
Sodium	ND	500	mg/kg	SW846 6010B	12/30-01/05/04	F659G1AW
		Dilution Factor: 1				
Nickel	**5.8**	**4.0**	**mg/kg**	**SW846 6010B**	**12/30-01/04/04**	**F659G1AX**
		Dilution Factor: 1				
Lead	**9.3**	**0.80**	**mg/kg**	**SW846 6010B**	**12/30-01/04/04**	**F659G1A0**
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659G1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/30-01/04/04	F659G1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/30-01/04/04	F659G1A3
		Dilution Factor: 1				
Vanadium	**23**	**2.0**	**mg/kg**	**SW846 6010B**	**12/30-01/04/04**	**F659G1AA**
		Dilution Factor: 1				
Zinc	**33**	**2.0**	**mg/kg**	**SW846 6010B**	**12/30-01/05/04**	**F659G1AC**
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-D

TOTAL Metals

Lot-Sample #...: D3L190464-004 Matrix.....: SOLID
Date Sampled...: 12/18/03 14:30 Date Received..: 12/19/03 16:35
% Moisture.....: 3.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356303						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F659H1AD
		Dilution Factor: 1				
Prep Batch #...: 3357647						
Silver	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AF
		Dilution Factor: 1				
Aluminum	1400	10	mg/kg	SW846 6010B	12/30-01/05/04	F659H1AG
		Dilution Factor: 1				
Arsenic	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AH
		Dilution Factor: 1				
Barium	11	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AJ
		Dilution Factor: 1				
Beryllium	ND	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AK
		Dilution Factor: 1				
Calcium	600	20	mg/kg	SW846 6010B	12/30-01/05/04	F659H1AL
		Dilution Factor: 1				
Cadmium	0.88	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AM
		Dilution Factor: 1				
Cobalt	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AN
		Dilution Factor: 1				
Chromium	2.2	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AP
		Dilution Factor: 1				
Copper	7.5	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AQ
		Dilution Factor: 1				
Iron	3300	10	mg/kg	SW846 6010B	12/30-01/05/04	F659H1AR
		Dilution Factor: 1				
Potassium	330	300	mg/kg	SW846 6010B	12/30-01/05/04	F659H1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-D

TOTAL Metals

Lot-Sample #...: D3L190464-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**330**	**20**	**mg/kg**	**SW846 6010B**	**12/30-01/05/04**	**F659H1AU**
		Dilution Factor: 1				
Manganese	**30**	**1.0**	**mg/kg**	**SW846 6010B**	**12/30-01/05/04**	**F659H1AV**
		Dilution Factor: 1				
Sodium	ND	500	mg/kg	SW846 6010B	12/30-01/05/04	F659H1AW
		Dilution Factor: 1				
Nickel	ND	4.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1AX
		Dilution Factor: 1				
Lead	**1.7**	**0.80**	**mg/kg**	**SW846 6010B**	**12/30-01/04/04**	**F659H1A0**
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659H1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/30-01/04/04	F659H1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/30-01/04/04	F659H1A3
		Dilution Factor: 1				
Vanadium	**4.6**	**2.0**	**mg/kg**	**SW846 6010B**	**12/30-01/04/04**	**F659H1AA**
		Dilution Factor: 1				
Zinc	**25**	**2.0**	**mg/kg**	**SW846 6010B**	**12/30-01/05/04**	**F659H1AC**
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-E

TOTAL Metals

Lot-Sample #...: D3L190464-005 Matrix.....: SOLID
Date Sampled...: 12/18/03 14:35 Date Received..: 12/19/03 16:35
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356303						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F659J1AD
		Dilution Factor: 1				
Prep Batch #...: 3357647						
Silver	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AF
		Dilution Factor: 1				
Aluminum	23000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AG
		Dilution Factor: 1				
Arsenic	6.7	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AH
		Dilution Factor: 1				
Barium	36	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AJ
		Dilution Factor: 1				
Beryllium	0.94	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AK
		Dilution Factor: 1				
Calcium	6300	20	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AM
		Dilution Factor: 1				
Cobalt	18	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AN
		Dilution Factor: 1				
Chromium	13	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AP
		Dilution Factor: 1				
Copper	14	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AQ
		Dilution Factor: 1				
Iron	17000	10	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AR
		Dilution Factor: 1				
Potassium	1900	300	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0033-E

TOTAL Metals

Lot-Sample #...: D3L190464-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	3700	20	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AU
		Dilution Factor: 1				
Manganese	160	1.0	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AV
		Dilution Factor: 1				
Sodium	720	500	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AW
		Dilution Factor: 1				
Nickel	21	4.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AX
		Dilution Factor: 1				
Lead	18	0.80	mg/kg	SW846 6010B	12/30-01/04/04	F659J1A0
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/30-01/04/04	F659J1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/30-01/04/04	F659J1A3
		Dilution Factor: 1				
Vanadium	29	2.0	mg/kg	SW846 6010B	12/30-01/04/04	F659J1AA
		Dilution Factor: 1				
Zinc	67	2.0	mg/kg	SW846 6010B	12/30-01/05/04	F659J1AC
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-A

TOTAL Metals

Lot-Sample #...: D3L190419-015 Matrix.....: SOLID
Date Sampled...: 12/18/03 13:30 Date Received..: 12/18/03 16:56
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356301						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F65V01AD
		Dilution Factor: 1				
Prep Batch #...: 3357648						
Silver	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AF
		Dilution Factor: 1				
Aluminum	23000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AG
		Dilution Factor: 1				
Arsenic	8.8	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AH
		Dilution Factor: 1				
Barium	430	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AJ
		Dilution Factor: 1				
Beryllium	0.59	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AK
		Dilution Factor: 1				
Calcium	9800	20	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AM
		Dilution Factor: 1				
Cobalt	21	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AN
		Dilution Factor: 1				
Chromium	13	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AP
		Dilution Factor: 1				
Copper	12	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AQ
		Dilution Factor: 1				
Iron	18000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AR
		Dilution Factor: 1				
Potassium	1300	300	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-A

TOTAL Metals

Lot-Sample #...: D3L190419-015 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	3800	20	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AU
		Dilution Factor: 1				
Manganese	770	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AV
		Dilution Factor: 1				
Sodium	1000	500	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AW
		Dilution Factor: 1				
Nickel	15	4.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AX
		Dilution Factor: 1				
Lead	19	0.80	mg/kg	SW846 6010B	12/29-12/30/03	F65V01A0
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/29-12/30/03	F65V01A2
		Dilution Factor: 1				
Thallium	1.2	1.2	mg/kg	SW846 6010B	12/29-12/30/03	F65V01A3
		Dilution Factor: 1				
Vanadium	40	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V01AA
		Dilution Factor: 1				
Zinc	62	2.0	mg/kg	SW846 6010B	12/29-01/05/04	F65V01AC
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VB003-SB-0034-B

TOTAL Metals

Lot-Sample #...: D3L190419-016 Matrix.....: SOLID
Date Sampled...: 12/18/03 13:35 Date Received..: 12/18/03 16:56
% Moisture.....: 11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356301						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F65V31AH
		Dilution Factor: 1				
Prep Batch #...: 3357648						
Silver	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AK
		Dilution Factor: 1				
Aluminum	25000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65V31AL
		Dilution Factor: 1				
Arsenic	9.2	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AM
		Dilution Factor: 1				
Barium	250	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AN
		Dilution Factor: 1				
Beryllium	0.65	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AP
		Dilution Factor: 1				
Calcium	8700	20	mg/kg	SW846 6010B	12/29-01/05/04	F65V31AQ
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AR
		Dilution Factor: 1				
Cobalt	8.4	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AT
		Dilution Factor: 1				
Chromium	14	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AU
		Dilution Factor: 1				
Copper	8.3	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AV
		Dilution Factor: 1				
Iron	20000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65V31AW
		Dilution Factor: 1				
Potassium	1300	300	mg/kg	SW846 6010B	12/29-01/05/04	F65V31AX
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-B

TOTAL Metals

Lot-Sample #...: D3L190419-016 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	4500	20	mg/kg	SW846 6010B	12/29-01/05/04	F65V31A0
		Dilution Factor: 1				
Manganese	270	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31A1
		Dilution Factor: 1				
Sodium	2000	500	mg/kg	SW846 6010B	12/29-01/05/04	F65V31A2
		Dilution Factor: 1				
Nickel	7.0	4.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31A3
		Dilution Factor: 1				
Lead	12	0.80	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AA
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AC
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AD
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AE
		Dilution Factor: 1				
Vanadium	55	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V31AF
		Dilution Factor: 1				
Zinc	58	2.0	mg/kg	SW846 6010B	12/29-01/05/04	F65V31AG
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-C

TOTAL Metals

Lot-Sample #...: D3L190419-017 Matrix.....: SOLID
Date Sampled...: 12/18/03 13:40 Date Received..: 12/18/03 16:56
% Moisture.....: 3.6

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356301						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F65V61AD
		Dilution Factor: 1				
Prep Batch #...: 3357648						
Silver	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AF
		Dilution Factor: 1				
Aluminum	8000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65V61AG
		Dilution Factor: 1				
Arsenic	2.6	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AH
		Dilution Factor: 1				
Barium	73	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AJ
		Dilution Factor: 1				
Beryllium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AK
		Dilution Factor: 1				
Calcium	3600	20	mg/kg	SW846 6010B	12/29-01/05/04	F65V61AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AM
		Dilution Factor: 1				
Cobalt	6.0	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AN
		Dilution Factor: 1				
Chromium	16	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AP
		Dilution Factor: 1				
Copper	7.3	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61AQ
		Dilution Factor: 1				
Iron	16000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65V61AR
		Dilution Factor: 1				
Potassium	2100	300	mg/kg	SW846 6010B	12/29-01/05/04	F65V61AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-C

TOTAL Metals

Lot-Sample #...: D3L190419-017 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**2400**	**20**	**mg/kg**	**SW846 6010B**	**12/29-01/05/04**	**F65V61AU**
		Dilution Factor: 1				
Manganese	**250**	**1.0**	**mg/kg**	**SW846 6010B**	**12/29-12/30/03**	**F65V61AV**
		Dilution Factor: 1				
Sodium	ND	500	mg/kg	SW846 6010B	12/29-01/05/04	F65V61AW
		Dilution Factor: 1				
Nickel	**8.2**	**4.0**	**mg/kg**	**SW846 6010B**	**12/29-12/30/03**	**F65V61AX**
		Dilution Factor: 1				
Lead	**12**	**0.80**	**mg/kg**	**SW846 6010B**	**12/29-12/30/03**	**F65V61A0**
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65V61A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/29-12/30/03	F65V61A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/29-12/30/03	F65V61A3
		Dilution Factor: 1				
Vanadium	**27**	**2.0**	**mg/kg**	**SW846 6010B**	**12/29-12/30/03**	**F65V61AA**
		Dilution Factor: 1				
Zinc	**41**	**2.0**	**mg/kg**	**SW846 6010B**	**12/29-01/05/04**	**F65V61AC**
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-D

TOTAL Metals

Lot-Sample #...: D3L190419-018 Matrix.....: SOLID
Date Sampled...: 12/18/03 13:40 Date Received..: 12/18/03 16:56
% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356301						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F65WA1AD
		Dilution Factor: 1				
Prep Batch #...: 3357648						
Silver	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AF
		Dilution Factor: 1				
Aluminum	7200	10	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AG
		Dilution Factor: 1				
Arsenic	2.3	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AH
		Dilution Factor: 1				
Barium	67	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AJ
		Dilution Factor: 1				
Beryllium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AK
		Dilution Factor: 1				
Calcium	3200	20	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AM
		Dilution Factor: 1				
Cobalt	5.5	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AN
		Dilution Factor: 1				
Chromium	15	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AP
		Dilution Factor: 1				
Copper	7.5	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AQ
		Dilution Factor: 1				
Iron	15000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AR
		Dilution Factor: 1				
Potassium	1900	300	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-D

TOTAL Metals

Lot-Sample #...: D3L190419-018 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	2200	20	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AU
		Dilution Factor: 1				
Manganese	220	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AV
		Dilution Factor: 1				
Sodium	ND	500	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AW
		Dilution Factor: 1				
Nickel	7.6	4.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AX
		Dilution Factor: 1				
Lead	10	0.80	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1A0
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1A3
		Dilution Factor: 1				
Vanadium	25	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WA1AA
		Dilution Factor: 1				
Zinc	38	2.0	mg/kg	SW846 6010B	12/29-01/05/04	F65WA1AC
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-E

TOTAL Metals

Lot-Sample #...: D3L190419-019 Matrix.....: SOLID
Date Sampled...: 12/18/03 13:45 Date Received..: 12/18/03 16:56
% Moisture.....: 3.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356301						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F65WE1AD
		Dilution Factor: 1				
Prep Batch #...: 3357648						
Silver	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AF
		Dilution Factor: 1				
Aluminum	8400	10	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AG
		Dilution Factor: 1				
Arsenic	1.2	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AH
		Dilution Factor: 1				
Barium	670	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AJ
		Dilution Factor: 1				
Beryllium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AK
		Dilution Factor: 1				
Calcium	2800	20	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AM
		Dilution Factor: 1				
Cobalt	2.7	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AN
		Dilution Factor: 1				
Chromium	6.0	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AP
		Dilution Factor: 1				
Copper	4.1	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AQ
		Dilution Factor: 1				
Iron	7900	10	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AR
		Dilution Factor: 1				
Potassium	1000	300	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-E

TOTAL Metals

Lot-Sample #...: D3L190419-019 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	1300	20	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AU
		Dilution Factor: 1				
Manganese	92	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AV
		Dilution Factor: 1				
Sodium	840	500	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AW
		Dilution Factor: 1				
Nickel	ND	4.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AX
		Dilution Factor: 1				
Lead	4.1	0.80	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1A0
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1A3
		Dilution Factor: 1				
Vanadium	16	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WE1AA
		Dilution Factor: 1				
Zinc	22	2.0	mg/kg	SW846 6010B	12/29-01/05/04	F65WE1AC
		Dilution Factor: 1				

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-F

TOTAL Metals

Lot-Sample #...: D3L190419-020 Matrix.....: SOLID
Date Sampled...: 12/18/03 13:50 Date Received..: 12/18/03 16:56
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3356301						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/31/03	F65WH1AD
		Dilution Factor: 1				
Prep Batch #...: 3357648						
Silver	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AF
		Dilution Factor: 1				
Aluminum	28000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AG
		Dilution Factor: 1				
Arsenic	4.8	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AH
		Dilution Factor: 1				
Barium	51	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AJ
		Dilution Factor: 1				
Beryllium	0.88	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AK
		Dilution Factor: 1				
Calcium	6400	20	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AL
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AM
		Dilution Factor: 1				
Cobalt	7.5	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AN
		Dilution Factor: 1				
Chromium	11	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AP
		Dilution Factor: 1				
Copper	12	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AQ
		Dilution Factor: 1				
Iron	24000	10	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AR
		Dilution Factor: 1				
Potassium	1700	300	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AT
		Dilution Factor: 1				

(Continued on next page)

FORM 1
Equivalent

KNIGHT PIESOLD

Client Sample ID: 01-VBOU3-SB-0034-F

TOTAL Metals

Lot-Sample #...: D3L190419-020 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	4400	20	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AU
		Dilution Factor: 1				
Manganese	340	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AV
		Dilution Factor: 1				
Sodium	910	500	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AW
		Dilution Factor: 1				
Nickel	9.1	4.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AX
		Dilution Factor: 1				
Lead	12	0.80	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1A0
		Dilution Factor: 1				
Antimony	ND	1.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1A1
		Dilution Factor: 1				
Selenium	ND	1.3	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1A2
		Dilution Factor: 1				
Thallium	ND	1.2	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1A3
		Dilution Factor: 1				
Vanadium	29	2.0	mg/kg	SW846 6010B	12/29-12/30/03	F65WH1AA
		Dilution Factor: 1				
Zinc	71	2.0	mg/kg	SW846 6010B	12/29-01/05/04	F65WH1AC
		Dilution Factor: 1				

FORM 1
Equivalent