Phelps Dodge Corporation - Chino Mines Company
Water Quality Monitoring Data

Site Number	Sample Date	Cd, Diss (mg/l)	Co, Diss (mg/l)	Cu, Diss (mg/l)	Depth to Water (ft)	F, Tot_ (mg/l)	Fe, Diss (mg/l)	Well Collar Level (ft msl)	Well Depth	Mn, Diss (mg/l)	Ni, Diss (mg/l)	Pb, Diss (mg/l)	pH, Field (su)	SO4, Tot_ (mg/l)	TDS (mg/l)	Water Temp (Cent)	Zn, Diss (mg/l)
Water Quality Standard		0.01	0.05	1		1.6	1			0.2	0.2	0.05	6- 9	600	1000		10
GH-2004-2D	10/28/2004	0.0044	<0.006	0.0049	62	<1	<0.02	6,009.67	157.6	0.0591	<0.01	<0.005	6.63	1780	2580	17.3	0.743
GH-2004-2S	10/28/2004	0.0153	<0.006	0.007	53.25	0.31	<0.02	6,009.67	84.8**	0.703	<0.01	<0.005	7.07	1460	2120	17	2.15
GH-2004-2D	5/17/2005	0.0027	<0.006	<0.01	44.5	<0.5	0.089	6003.74	147.6	0.374	<0.01	<0.005	6.76	1640	2440	17.4	0.654
GH-2004-2S	5/17/2005	0.0029	<0.006	0.014	46.73	<0.5	<0.06	6003.74	83	0.0826	<0.01	<0.005	7.39	1360	2080	17.4	0.371
GH-Sump*	4/14/2005	2.31	1.11	95.1	surface	6.04	0.28	surface	surface	333	0.846	1.24	3.92	5530	9220	17.7	844
GH-2004-2D	10/25/2005	0.0074	<0.006	<0.01	46.3	1.03	<0.06	6003.74	147.6	0.213	<0.01	0.009	6.62	1620	2530	17.4	1.65
GH-2004-2S	10/25/2005	0.0026	<0.006	<0.01	40.16	1.02	<0.06	6003.74	83	0.0321	<0.01	<0.0075	6.99	1390	2160	17.3	0.421
GH-Sump*	9/26/2005	0.749	0.307	20.2	surface	1.32	<0.3	surface	surface	95.3	0.178	0.289	4.05	2870	4460	23.6	224
GH-2004-2D	3/14/2006	0.0087	<0.006	<0.01	47.43	0.2	<0.06	6003.74	147.6	0.129	<0.01	0.009	6.63	1800	2770	17.2	0.851
GH-2004-2S	3/14/2006	0.0027	<0.006	<0.01	40.64	0.73	<0.06	6003.74	83	0.0216	<0.01	<0.008	7.26	1410	2240	17.1	0.291
GH-Sump*	3/14/2006	0.701	0.284	20.2	surface	5.34	<0.06	surface	surface	116	0.184	0.16	4.88	3160	5100	13.1	232

*Water in sump at this time was from the construction phase of the stockpile removal.

**Well depth on record is incorrect

677581

SVL ANALYTICAL, INC.
One Government Gulch ▪ P.O. Box 929 ▪ Kellogg, Idaho 83837-0929 ▪ Phone: (208)784-1258 ▪ Fax: (208)783-0891

Certificate: ID ID00019

CLIENT : PHELPS DODGE - CHINO MINES
PROJECT: G04880
CLIENT SAMPLE ID: 276910
Sample Collected: 3/14/06 12:55
Sample Receipt : 3/16/06
Date of Report : 3/30/06

SVL JOB: 121669
SAMPLE: 497040
TOT/DIS
Matrix: WATER

	Determination	Result	Units	Method	Analyzed
T	TDS	2770	mg/L	160.1	3/17/06
T	Fluoride	0.20	mg/L	300.0	3/27/06
T	Sulfate, SO4	1600	mg/L	300.0	3/25/06
D	Cadmium	0.0087	mg/L	200.7	3/29/06
D	Cobalt	<0.0060	mg/L	200.7	3/29/06
D	Copper	<0.010	mg/L	200.7	3/29/06
D	Iron	<0.06	mg/L	200.7	3/29/06
D	Manganese	0.129	mg/L	200.7	3/29/06
D	Nickel	<0.010	mg/L	200.7	3/29/06
D	Lead	0.009	mg/L	200.7	3/29/06
D	Zinc	0.851	mg/L	200.7	3/29/06

Filtered fraction: 497050

Reviewed By: _____ Date 3/30/06
3/30/06 12:59

AZ: AZ0538 CA: NO. 2080 CO: 9/1/05 ID: ID00019 MT: 6/6/05 NV: 8/1/05 WA: C1268

SVL ANALYTICAL, INC.
One Government Gulch ▪ P.O. Box 929 ▪ Kellogg, Idaho 83837-0929 ▪ Phone: (208)784-1258 ▪ Fax: (208)783-0891

Certificate: ID ID00019

CLIENT : PHELPS DODGE - CHINO MINES
PROJECT: G04880
CLIENT SAMPLE ID: 276911
Sample Collected: 3/14/06 12:30
Sample Receipt : 3/16/06
Date of Report : 3/30/06

SVL JOB: 121669
SAMPLE: 497041
TOT/DIS
Matrix: WATER

	Determination	Result	Units	Method	Analyzed
T	TDS	2240	mg/L	160.1	3/17/06
T	Fluoride	0.73	mg/L	300.0	3/27/06
T	Sulfate, SO4	1410	mg/L	300.0	3/25/06
D	Cadmium	0.0027	mg/L	200.7	3/29/06
D	Cobalt	<0.0060	mg/L	200.7	3/29/06
D	Copper	<0.010	mg/L	200.7	3/29/06
D	Iron	<0.06	mg/L	200.7	3/29/06
D	Manganese	0.0216	mg/L	200.7	3/29/06
D	Nickel	<0.010	mg/L	200.7	3/29/06
D	Lead	<0.008	mg/L	200.7	3/29/06
D	Zinc	0.291	mg/L	200.7	3/29/06

Filtered fraction: 497051

Reviewed By: _____ Date 3/30/06
3/30/06 12:59

AZ: AZ0538 CA: NO. 2080 CO: 9/1/05 ID: ID00019 MT: 6/6/05 NV: 8/1/05 WA: C1268

SVL ANALYTICAL, INC.
One Government Gulch ▪ P.O. Box 929 ▪ Kellogg, Idaho 83837-0929 ▪ Phone: (208)784-1258 ▪ Fax: (208)783-0891

Certificate: ID ID00019

CLIENT : PHELPS DODGE - CHINO MINES
PROJECT: G04880
CLIENT SAMPLE ID: 276912
Sample Collected: 3/14/06 12:45
Sample Receipt : 3/16/06
Date of Report : 3/30/06

SVL JOB: 121669
SAMPLE: 497042
TOT/DIS
Matrix: WATER

	Determination	Result	Units	Method	Analyzed
T	TDS	5100	mg/L	160.1	3/17/06
T	Fluoride	5.3	mg/L	300.0	3/25/06
T	Sulfate, SO4	3160	mg/L	300.0	3/25/06
D	Cadmium	0.701	mg/L	200.7	3/29/06
D	Cobalt	0.284	mg/L	200.7	3/29/06
D	Copper	20.2	mg/L	200.7	3/29/06
D	Iron	<0.06	mg/L	200.7	3/29/06
D	Manganese	116	mg/L	200.7	3/29/06
D	Nickel	0.184	mg/L	200.7	3/29/06
D	Lead	0.160	mg/L	200.7	3/29/06
D	Zinc	232	mg/L	200.7	3/29/06

Filtered fraction: 497052

Reviewed By: _____ Date 3/30/06
3/30/06 12:59

AZ: AZ0538 CA: NO. 2080 CO: 9/1/05 ID: ID00019 MT: 6/6/05 NV: 8/1/05 WA: C1268

SVL ANALYTICAL, INC.

Quality Control Report
Part I Prep Blank and Laboratory Control Sample

Client :PHELPS DODGE - CHINO MINES

SVL JOB No: 121669

Analyte	Method	Matrix	Units	Prep Blank	True—LCS	Found	LCS %R	Analysis Date
Aluminum	200.7	WATER	mg/L	<0.030	1.00	0.966	96.6	3/29/06
Arsenic	200.7	WATER	mg/L	<0.0250	1.00	0.946	94.6	3/29/06
Barium	200.7	WATER	mg/L	<0.0020	1.00	0.967	96.7	3/29/06
Beryllium	200.7	WATER	mg/L	<0.0020	1.00	0.909	90.9	3/29/06
Calcium	200.7	WATER	mg/L	<0.040	20.0	18.7	93.5	3/29/06
Cadmium	200.7	WATER	mg/L	<0.0020	1.00	0.938	93.8	3/29/06
Cobalt	200.7	WATER	mg/L	<0.0060	1.00	0.939	93.9	3/29/06
Chromium	200.7	WATER	mg/L	<0.0060	1.00	0.948	94.8	3/29/06
Copper	200.7	WATER	mg/L	<0.010	1.00	0.915	91.5	3/29/06
Iron	200.7	WATER	mg/L	<0.060	10.0	9.37	93.7	3/29/06
Potassium	200.7	WATER	mg/L	<0.50	20.0	19.0	95.0	3/29/06
Magnesium	200.7	WATER	mg/L	<0.060	20.0	18.7	93.5	3/29/06
Manganese	200.7	WATER	mg/L	<0.0040	1.00	0.937	93.7	3/29/06
Molybdenum	200.7	WATER	mg/L	<0.0080	1.00	0.948	94.8	3/29/06
Sodium	200.7	WATER	mg/L	<0.50	19.0	17.7	93.2	3/29/06
Nickel	200.7	WATER	mg/L	<0.010	1.00	0.912	91.2	3/29/06
Lead	200.7	WATER	mg/L	<0.00750	1.00	0.956	95.6	3/29/06
Selenium	200.7	WATER	mg/L	<0.040	1.00	0.997	99.7	3/29/06
Zinc	200.7	WATER	mg/L	<0.010	1.00	0.953	95.3	3/29/06
Chloride	300.0	WATER	mg/L	<0.20	5.05	5.04	99.8	3/24/06
Fluoride	300.0	WATER	mg/L	<0.10	2.49	2.36	94.8	3/24/06
Sulfate, SO4	300.0	WATER	mg/L	<0.30	9.93	9.85	99.2	3/24/06
ALKALINITY	2320B	WATER	mg/L	<1.0	28.2	30.1	106.7	3/20/06
TDS	160.1	WATER	mg/L	<10	359	350	97.5	3/17/06

LEGEND:

LCS = Laboratory Control Sample LCS %R = LCS Percent Recovery N/A = Not Applicable

SVL ANALYTICAL, INC.

Quality Control Report
Part II Duplicate and Spike Analysis

Client : PHELPS DODGE - CHINO MINES

SVL JOB No: 121669

Test	Method	Mtx	QC SAMPLE ID Units	Result	Duplicate or MSD Found	RPD%	Matrix Spike Result	SPK ADD	%R	Analysis Date
Al	200.7	W	1 mg/L	<0.030	<0.030	UDL	0.993	1.00	99.3	3/29/06
As	200.7	W	1 mg/L	<0.0250	<0.0250	UDL	0.986	1.00	98.6	3/29/06
Ba	200.7	W	1 mg/L	0.0020	0.0024	18.2	0.870	1.00	86.8	3/29/06
Be	200.7	W	1 mg/L	<0.0020	<0.0020	UDL	0.876	1.00	87.6	3/29/06
Ca	200.7	W	1 mg/L	565	518	8.7	560	20.0	R >4S	3/29/06
Cd	200.7	W	1 mg/L	<0.0020	<0.0020	UDL	0.873	1.00	87.3	3/29/06
Co	200.7	W	1 mg/L	0.0074	0.0075	1.3	0.853	1.00	84.6	3/29/06
Cr	200.7	W	1 mg/L	<0.0060	<0.0060	UDL	0.910	1.00	91.0	3/29/06
Cu	200.7	W	1 mg/L	<0.010	<0.010	UDL	0.973	1.00	97.3	3/29/06
Fe	200.7	W	1 mg/L	12.7	12.4	2.4	21.3	10.0	86.0	3/29/06
K	200.7	W	1 mg/L	10.5	10.2	2.9	29.8	20.0	96.5	3/29/06
Mg	200.7	W	1 mg/L	136	132	3.0	150	20.0	R >4S	3/29/06
Mn	200.7	W	1 mg/L	6.74	6.71	0.4	7.41	1.00	R >4S	3/29/06
Mo	200.7	W	1 mg/L	0.0081	<0.0080	200.0	0.903	1.00	89.5	3/29/06
Na	200.7	W	1 mg/L	43.0	38.7	10.5	59.4	19.0	86.3	3/29/06
Ni	200.7	W	1 mg/L	<0.010	<0.010	UDL	0.877	1.00	87.7	3/29/06
Pb	200.7	W	1 mg/L	<0.00750	<0.00750	UDL	0.882	1.00	88.2	3/29/06
Se	200.7	W	1 mg/L	<0.040	<0.040	UDL	1.02	1.00	102.0	3/29/06
Zn	200.7	W	1 mg/L	<0.010	<0.010	UDL	0.840	1.00	84.0	3/29/06
Cl	300.0	W	2 mg/L	16.8	16.7	0.6	20.6	4.00	95.0	3/27/06
F	300.0	W	2 mg/L	0.24	0.24	0.0	4.84	4.00	115.0	3/27/06
SO4	300.0	W	2 mg/L	1780	1780	0.0	2260	500	96.0	3/24/06
ALK	2320B	W	2 mg/L	209	207	1.0	N/A	N/A	N/A	3/20/06
CO3	2320B	W	2 mg/L	<1.0	<1.0	UDL	N/A	N/A	N/A	3/20/06
HCO3	2320B	W	2 mg/L	209	207	1.0	N/A	N/A	N/A	3/20/06
TDS	160.1	W	2 mg/L	2860	2890	1.0	N/A	N/A	N/A	3/17/06

LEGEND:

RPD% = (|SAM - DUP|/((SAM + DUP)/2) * 100) UDL = Both SAM & DUP not detected. *Result or *Found: Interference required dilution.

RPD% = (|SPK - MSD|/((SPK + MSD)/2) * 100) M in Duplicate/MSD column indicates MSD.

SPIKE ADD column, A = Post Digest Spike; %R = Percent Recovery N/A = Not Analyzed; R > 4S = Result more than 4X the Spike Added

QC limits for MS recoveries apply only if the spike is at least 1/4 the concentration of the analyte in the sample.

Control limits for the RPD apply only if the concentration of the analyte in the sample is at least five times the reporting limit.

QC Sample 1: SVL SAM No.: 497045 Client Sample ID: 274516 ^D

QC Sample 2: SVL SAM No.: 497035 Client Sample ID: 274516 ^T