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Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Doug Solon
 ASARCO Texas Custodial Trust

Report Date: July 26, 2010

P. O. Box 1111
 El Paso, TX, 79999

Work Order: 10072308



Project Location: El Paso, Texas
 Project Name: Former ASARCO Smelter
 Project Number: Former ASARCO Smelter

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
238343	SW Pond A	water	2010-07-20	14:15	2010-07-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Former ASARCO Smelter were received by TraceAnalysis, Inc. on 2010-07-21 and assigned to work order 10072308. Samples for work order 10072308 were received intact at a temperature of 3.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Ag, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
As, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Ba, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Cd, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Cr, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Cu, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Hg, Total	S 7470A	61732	2010-07-26 at 13:04	72047	2010-07-26 at 14:18
Mn, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Ni, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Pb, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Se, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21
Zn, Total	S 6010C	61722	2010-07-26 at 10:13	72032	2010-07-26 at 11:21

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10072308 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Ag, Total
QC Batch: 72032
Prep Batch: 61722

Analytical Method: S 6010C
Date Analyzed: 2010-07-26
Sample Preparation: 2010-07-26

Prep Method: S 3010A
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: As, Total
QC Batch: 72032
Prep Batch: 61722

Analytical Method: S 6010C
Date Analyzed: 2010-07-26
Sample Preparation: 2010-07-26

Prep Method: S 3010A
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		0.0700	mg/L	1	0.0100

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Ba, Total
QC Batch: 72032
Prep Batch: 61722

Analytical Method: S 6010C
Date Analyzed: 2010-07-26
Sample Preparation: 2010-07-26

Prep Method: S 3010A
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		0.0500	mg/L	1	0.0100

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Cd, Total
QC Batch: 72032
Prep Batch: 61722

Analytical Method: S 6010C
Date Analyzed: 2010-07-26
Sample Preparation: 2010-07-26

Prep Method: S 3010A
Analyzed By: RR
Prepared By: KV

continued ...

sample 238343 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Cadmium		0.0300	mg/L	1	0.00500

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Cr, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		<0.0100	mg/L	1	0.0100

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Cu, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		0.354	mg/L	1	0.00500

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Hg, Total Analytical Method: S 7470A Prep Method: N/A
QC Batch: 72047 Date Analyzed: 2010-07-26 Analyzed By: TP
Prep Batch: 61732 Sample Preparation: 2010-07-26 Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Mercury		0.000310	mg/L	1	0.000200

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Mn, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Manganese		0.0940	mg/L	1	0.00500

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Ni, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Nickel		<0.0100	mg/L	1	0.0100

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Pb, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		0.0960	mg/L	1	0.00500

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Se, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Selenium		0.0310	mg/L	1	0.0200

Sample: 238343 - SW Pond A

Laboratory: Lubbock
Analysis: Zn, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 Sample Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		0.235	mg/L	1	0.00500

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.000469	mg/L	0.005

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00465	mg/L	0.01

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00418	mg/L	0.01

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00232	mg/L	0.005

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.00291	mg/L	0.01

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00313	mg/L	0.005

Method Blank (1) QC Batch: 72032

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Manganese		<0.00423	mg/L	0.005

Method Blank (1) QC Batch: 72047

QC Batch: 72047 Date Analyzed: 2010-07-26 Analyzed By: TP
Prep Batch: 61732 QC Preparation: 2010-07-26 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000388	mg/L	0.0002

Laboratory Control Spike (LCS-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.129	mg/L	1	0.125	<0.000469	103	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.126	mg/L	1	0.125	<0.000469	101	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.527	mg/L	1	0.500	<0.00465	105	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.525	mg/L	1	0.500	<0.00465	105	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00377	mg/L	1	0.00400	<0.0000388	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00374	mg/L	1	0.00400	<0.0000388	94	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.130	mg/L	1	0.125	<0.000469	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.129	mg/L	1	0.125	<0.000469	103	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.616	mg/L	1	0.500	0.07	109	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.618	mg/L	1	0.500	0.07	110	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.13	mg/L	1	1.00	0.05	108	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.13	mg/L	1	1.00	0.05	108	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.312	mg/L	1	0.250	0.03	113	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.312	mg/L	1	0.250	0.03	113	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.102	mg/L	1	0.100	<0.00291	102	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.102	mg/L	1	0.100	<0.00291	102	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.494	mg/L	1	0.125	0.354	112	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.491	mg/L	1	0.125	0.354	110	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Manganese	0.368	mg/L	1	0.250	0.094	110	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Manganese	0.366	mg/L	1	0.250	0.094	109	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.278	mg/L	1	0.250	<0.00593	111	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.277	mg/L	1	0.250	<0.00593	111	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.641	mg/L	1	0.500	0.096	109	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.639	mg/L	1	0.500	0.096	109	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.511	mg/L	1	0.500	0.031	96	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.515	mg/L	1	0.500	0.031	97	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR
Prep Batch: 61722 QC Preparation: 2010-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.501	mg/L	1	0.250	0.235	106	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.503	mg/L	1	0.250	0.235	107	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238343

QC Batch: 72047 Date Analyzed: 2010-07-26 Analyzed By: TP
Prep Batch: 61732 QC Preparation: 2010-07-26 Prepared By: TP

Standard (CCV-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2010-07-26

Standard (CCV-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2010-07-26

Standard (CCV-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2010-07-26

Standard (CCV-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Manganese		mg/L	1.00	1.03	103	90 - 110	2010-07-26

Standard (CCV-1)

QC Batch: 72032 Date Analyzed: 2010-07-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2010-07-26

Table 5-1
Numeric Effluent Limitations

Hazardous Metal (Total)	Daily Average (mg/l)	Daily Composite (mg/l)	Daily Maximum (mg/l)	Monitoring Frequency
Arsenic ✓	0.1	0.2	0.3	1/Year
Barium ✓	1.0	2.0	4.0	1/Year
Cadmium ✓	0.05	0.1	0.2	1/Year
Chromium ✓	0.5	1.0	5.0	1/Year
Copper ✓	0.5	1.0	2.0	1/Year
Lead ✓	0.5	1.0	1.5	1/Year
Manganese ✓	1.0	2.0	3.0	1/Year
Mercury ✓	0.005	0.005	0.01	1/Year
Nickel ✓	1.0	2.0	3.0	1/Year
Selenium ✓	0.05	0.1	0.2	1/Year
Silver ✓	0.05	0.1	0.2	1/Year
Zinc ✓	1.0	2.0	6.0	1/Year