

GRCB 06

 ENTERED



COVER LETTER

January 17, 2006

Cindy Hurtado
San Juan Refining
#50 CR 4990
Bloomfield, NM 87413
TEL: (505) 632-4161
FAX (505) 632-3911

RE: River Terrace Baseline Pre Dewater

Order No.: 0601032

Dear Cindy Hurtado:

Hall Environmental Analysis Laboratory received 10 samples on 1/5/2006 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

AZ license # AZ0682
ORELAP Lab # NM100001



Hall Environmental Analysis Laboratory

Date: 17-Jan-06

CLIENT: San Juan Refining
 Lab Order: 0601032
 Project: River Terrace Baseline Pre Dewater
 Lab ID: 0601032-02

Client Sample ID: TP #2
 Collection Date: 1/4/2006 8:48:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	ND	0.00020		mg/L	1	1/9/2006
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	1/10/2006 10:26:13 AM
Barium	0.85	0.020		mg/L	1	1/9/2006 7:02:36 PM
Cadmium	ND	0.0020		mg/L	1	1/9/2006 7:02:36 PM
Chromium	ND	0.0060		mg/L	1	1/9/2006 7:02:36 PM
Lead	0.016	0.0050		mg/L	1	1/9/2006 7:02:36 PM
Selenium	ND	0.050		mg/L	1	1/9/2006 7:02:36 PM
Silver	ND	0.0050		mg/L	1	1/9/2006 7:02:36 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 17-Jan-06

CLIENT: San Juan Refining
 Lab Order: 0601032
 Project: River Terrace Baseline Pre Dewater
 Lab ID: 0601032-04

Client Sample ID: TP #3
 Collection Date: 1/4/2006 9:10:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	ND	0.00020		mg/L	1	1/9/2006
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	1/10/2006 10:40:56 AM
Barium	0.11	0.020		mg/L	1	1/9/2006 7:22:40 PM
Cadmium	ND	0.0020		mg/L	1	1/9/2006 7:22:40 PM
Chromium	ND	0.0060		mg/L	1	1/9/2006 7:22:40 PM
Lead	0.014	0.0050		mg/L	1	1/9/2006 7:22:40 PM
Selenium	ND	0.050		mg/L	1	1/9/2006 7:22:40 PM
Silver	ND	0.0050		mg/L	1	1/9/2006 7:22:40 PM

Qualifiers:
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 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 17-Jun-06

CLIENT: San Juan Refining
 Lab Order: 0601032
 Project: River Terrace Baseline Pre Dewater
 Lab ID: 0601032-06

Client Sample ID: TP #8
 Collection Date: 1/4/2006 12:10:00 PM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	ND	0.00020		mg/L	1	1/9/2006
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	1/10/2006 10:46:08 AM
Barium	2.2	0.10		mg/L	5	1/9/2006 8:20:53 PM
Cadmium	ND	0.0020		mg/L	1	1/9/2006 7:28:28 PM
Chromium	ND	0.0060		mg/L	1	1/9/2006 7:28:28 PM
Lead	0.020	0.0050		mg/L	1	1/9/2006 7:28:28 PM
Selenium	ND	0.050		mg/L	1	1/9/2006 7:28:28 PM
Silver	ND	0.0050		mg/L	1	1/9/2006 7:28:28 PM

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 17-Jun-06

CLIENT: San Juan Refining
 Lab Order: 0601032
 Project: River Terrace Baseline Pre Dewater
 Lab ID: 0601032-08

Client Sample ID: TP #10
 Collection Date: 1/4/2006 12:30:00 PM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	ND	0.00020		mg/L	1	1/9/2006
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	1/10/2006 10:50:41 AM
Barium	0.46	0.020		mg/L	1	1/9/2006 7:36:37 PM
Cadmium	ND	0.0020		mg/L	1	1/9/2006 7:36:37 PM
Chromium	0.0072	0.0060		mg/L	1	1/9/2006 7:36:37 PM
Lead	0.015	0.0050		mg/L	1	1/9/2006 7:36:37 PM
Selenium	ND	0.050		mg/L	1	1/9/2006 7:36:37 PM
Silver	ND	0.0050		mg/L	1	1/9/2006 7:36:37 PM

Qualifiers:
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 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 17-Jan-06

CLIENT: San Juan Refining
 Lab Order: 0601032
 Project: River Terrace Baseline Pre Dewater
 Lab ID: 0601032-10

Client Sample ID: DW #1
 Collection Date: 1/4/2006 10:50:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	0.011	0.00040		mg/L	2	1/9/2006
EPA 6010: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	1/10/2006 12:20:26 PM
Barium	0.45	0.020		mg/L	1	1/9/2006 7:43:53 PM
Cadmium	ND	0.0020		mg/L	1	1/9/2006 7:43:53 PM
Chromium	ND	0.0060		mg/L	1	1/9/2006 7:43:53 PM
Lead	ND	0.0050		mg/L	1	1/9/2006 7:43:53 PM
Selenium	ND	0.050		mg/L	1	1/9/2006 7:43:53 PM
Silver	ND	0.0050		mg/L	1	1/9/2006 7:43:53 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
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 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 17-Jan-06

CLIENT: San Juan Refining
 Work Order: 0601032
 Project: River Terrace Baseline Pre Dewater

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 0601032-10A DUP		Batch ID: 9527		Test Code: SW6010A		Units: mg/L		Analysis Date: 1/9/2006 7:47:56 PM		Prep Date: 1/6/2006	
Client ID: DW #1		Run ID: ICP_060109B		SeqNo: 438975							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.4504	0.02	0	0	0	0	0	0.4485	0.443	30	
Cadmium	ND	0.002	0	0	0	0	0	0	0	30	
Chromium	ND	0.006	0	0	0	0	0	0	0	30	
Lead	ND	0.005	0	0	0	0	0	0	0	30	
Selenium	ND	0.05	0	0	0	0	0	0	0	30	
Silver	ND	0.005	0	0	0	0	0	0	0	30	

Sample ID: 0601032-10A DUP		Batch ID: 9527		Test Code: SW6010A		Units: mg/L		Analysis Date: 1/10/2006 12:22:16 PM		Prep Date: 1/6/2006	
Client ID: DW #1		Run ID: ICP_060109B		SeqNo: 439061							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.01915	0.02	0	0	0	0	0	0.01355	0	30	J

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Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0601032
Project: River Terrace Baseline Pre Dewater

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Sample ID: 0601032-10A MSD	Batch ID: 9527	Test Code: SW6010A	Units: mg/L	Analysis Date: 1/10/2006 11:04:09 AM	Prep Date: 1/6/2006						
Client ID: DW #1	Run ID: ICP_060109B	SeqNo: 439058									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5678	0.02	0.5	0.01355	111	75	125	0.566	0.312	20	

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: San Juan Refining
 Work Order: 0601032
 Project: River Terrace Baseline Pre Dewater

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID: LCSD-9527 Batch ID: 9527 Test Code: SW6010A Units: mg/L Analysis Date: 1/9/2006 6:38:53 PM Prep Date: 1/6/2006
 Client ID: Run ID: ICP_060109B SeqNo: 438959

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4796	0.02	0.5	0	95.9	80	120	0.4814	0.368	20	
Barium	0.4621	0.02	0.5	0	92.4	80	120	0.4668	1.02	20	
Cadmium	0.4764	0.002	0.5	0	95.3	80	120	0.4721	0.907	20	
Chromium	0.4689	0.006	0.5	0	93.8	80	120	0.4736	1.01	20	
Lead	0.4626	0.005	0.5	0	92.5	80	120	0.4583	0.924	20	
Selenium	0.4664	0.05	0.5	0	93.3	80	120	0.4663	0.0293	20	
Silver	0.4845	0.005	0.5	0	96.9	80	120	0.4876	0.629	20	

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CHAIN-OF-CUSTODY RECORD

Client: SAN Juan Refining

Address: #50 Rd 499D
Bloomfield, NM
87413

Phone #: 505-632-4161

Fax #: 505-632-3911

QA/QC Package:
Std Level 4
Other: _____

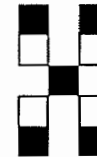
Project Name: River Terrace
Baseline Pre Dewater

Project #:

Project Manager:

Sampler: Cindy Hurtado/Angele Folk

Sample Temperature: 10



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative		HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8810 (PNA or PAH)	RCHA B Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles or Headspace (Y or N)	
					HgCl ₂	HNO ₃															
01/04/06	835A	H ₂ O	TP # 1	1-500 ml		X	0601032-1								X						
	838A 848A	H ₂ O	TP # 2			X	-2								X						
	10A		TP # 5A			X	-3								X						
	910A		TP # 53A			X	-4								X						
	1040A		TP # 6			X	-5								X						
	1210		TP # 8			X	-6								X						
	1020A		TP # 9			X	-7								X						
	1230 ^{12:30}		TP # 10			X	-8								X						
	1135A		MW # 49			X	-9								X						
	1050A		DW # 1			X	-10								X						

Date: 01/04/06 Time: 7:20pm
Relinquished By: (Signature) Cindy Hurtado
Relinquished By: (Signature) _____

Received By: (Signature) [Signature] 1/5/06
Received By: (Signature) [Signature] 1205

Remarks: _____