

#50 Road 4990
P. O. Box 159
Bloomfield, NM 87413
505-632-8013
505-632-3911 (fax)

 ENTERED

Giant Refinery

GRCB 05 - River Terrace
Investigation + Sampling

Fax

To: HOPE MONZEGLIO From: Cindy Hurtado

Fax: 505-428-2567 Pages: 5

Phone: Date: 4/13/05

Re: JANUARY - MW48 & MW49 CC:

- Urgent For Review Please Comment Please Reply Please Recycle

● Comments:

HOPE,

S = Shallow

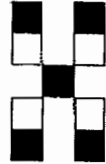
D = Deep

Cindy

CHAIN-OF-CUSTODY RECORD

Client: SAN Juan Refining
 Address: #50 CR 4990
Bloomfield, NM
87413
 Phone #: 505-632-4161
 Fax #: 505-632-3911

QA/QC Package:
 Std Level 4
 Other: _____
 Project Name: River Terrace Investigation
 Project #: _____
 Project Manager: _____
 Sampler: Cindy Hurtado / Kelly Rolano
 Sample Temperature: 4th



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.
					HgCl ₂	HNO ₃	
4/18/05	130pm	GW	MW #48D	3-VOA			0501150 4
	132pm			3-VOA			
	140		M	1-liter			
	141			1-500ml			
	143			1-500ml			
	134			1-500ml			
	145			1-125ml			
4/18/05	131pm	GW	QC	1-liter			-4
4/18/05		GW	Trip Blank	4-VOA			-8

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)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	Sulfate, Alkalinity TKN, TDS	TOC	Dissolved IRON	Air Bubbles or Headspace (Y or N)
		X													
						X				X					
												X			
													X		
														X	
															X

Date: 4/19/05 Time: 9AM Relinquished By: (Signature) Cindy Hurtado
 Received By: (Signature) [Signature]
 Date: _____ Time: _____ Relinquished By: (Signature) _____
 Received By: (Signature) _____

Remarks: _____
1639

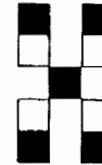
CHAIN-OF-CUSTODY RECORD

QA/QC Package:
 Std Level 4
 Other: _____

Client: SAN Juan Refining Project Name: River Terrace Investigation
Bloomfield, NM 89413 Association

Address: #50 CR 4990 Project #:
Bloomfield, NM
89413

Project Manager:
 Phone #: 505-632-4161 Sampler: Cindy Huatado / Kelly Robinson
 Fax #: 505-632-3911 Sample Temperature: 40°



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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)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	Sulfate, Alkalinity	TKN, TDS	TDC	Dissolved Iron	Air Bubbles or Headspace (Y or N)	
					HgCl ₂	HNO ₃																				
1/18/05	221	GW	MW#485	3-VOA	X			0501/50			X															
	2:22			3-VOA	X													X								
	2:24			1-liter			Amber							X												
	2:25			1-500ml																	X					
	2:26			1-500ml			H ₂ SO ₄															X				
	2:23			1-500ml			H ₃ PO ₃																X			
	2:27			1-125ml			HCl																	X		

Date: 1/19/05 Time: 9Am Relinquished By: (Signature) Cindy Huatado
 Date: _____ Time: _____ Relinquished By: (Signature) _____

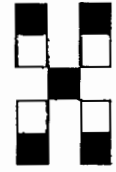
Received By: (Signature) Donnales 1/19/05
 Received By: (Signature) _____

Remarks: _____

CHAIN-OF-CUSTODY RECORD

Client: SAN Juan Refining
 Address: #50 CR 4990
Bloomfield, NM
87413
 Phone #: 505-632-4161
 Fax #: 505-632-3911

Accreditation Applied:
 NELAC USACE
 Other: _____
 Project Name: River Terrace Investigation
 Project #: _____
 Project Manager: _____
 Sampler: Cindy Hurtado/Kelly Robinson
 Sample Temperature: 4°



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ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative		HEAL No.
					H ₂ Cl ₂	HNO ₃	
1/18	945	GW	MW#49D	3-VBA	X		0501150
1/19/05	947	GW		3-VBA	X		6
	950	GW		1-liter		Amber	
	952	GW		1-500ml			
	954	GW		1-500ml		H ₂ SO ₄	
	941	GW		1-500ml		H ₃ PO ₃	
	954	GW		1-125ml		HCl	

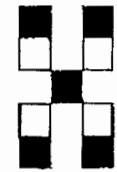
BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Cations (Na, K, Ca, Mg)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260 (VDA)	8270 (Semi-VDA) Substrate, Alkalinity	TKN, TDS	TOC	Dissolved Iron	Air Bubbles or Headspace (Y or N)
		X														
						X										
											X					
												X				
													X			
														X		

Date: 1/19/05 Time: 9 AM Relinquished By: (Signature) Cindy Hurtado
 Date: _____ Time: _____ Relinquished By: (Signature) _____
 Remarks: San Juan 1/19/05
 Remarks: _____

Remarks: _____

CHAIN-OF-CUSTODY RECORD

Accreditation Applied:
 NELAC USAGE
 Other: _____



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 Address: #50 CR 4990
Bloomfield, NM
87413
 Phone #: 505-632-4161
 Fax #: 505-632-3911

Project Name: River Terrace Investigation
 Project #: _____
 Project Manager: _____
 Sampler: Cindy Hurtado / Kelly Robinson
 Sample Temperature: 4

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative		HEAL No.
					H ₂ Cl ₂	HNO ₃	
1/18/05	1109	GW	MW#495	3-VOA	X		0501180 7
1/19/05	1111			3-VOA	X		
	1107			1-liter		Amber	
	1125			1-500ml			
	1120			1-500ml		H ₂ SO ₄	
	1106			1-500ml		H ₂ PO ₄	
	1127			1-125ml		HCL	

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Cations (Na, K, Ca, Mg)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260 (VOA)	8270 (Semi-VOA) Sulfate Alkalinity	TKN, TDS	TOC	Dissolved Iron	Air Bubbles or Headspace (Y or N)
		X					X				X					
												X				
													X			
														X		
															X	

Date: 1/19/05 Time: 9AM Relinquished By: (Signature) Cindy Hurtado
 Date: _____ Time: _____ Relinquished By: (Signature) _____
 Remarks: George Oro 1/19/05
 Remarks: _____

11639

Hope Monzeglio

From: Cindy Hurtado [churtado@giant.com]
Sent: Tuesday, April 19, 2005 1:59 PM
To: 'Hope Monzeglio'
Cc: Randy Schmaltz; 'Denny Foust'; 'Wayne Price'
Subject: RE: River Terrace January Samples results MW-48 & MW-49

Hope,
Please find in the attachment the information that you requested.
Cindy

-----Original Message-----

From: Hope Monzeglio [mailto:hope_monzeglio@nmenv.state.nm.us]
Sent: Friday, April 15, 2005 10:21 AM
To: Cindy Hurtado
Cc: Denny Foust; Wayne Price; Randy Schmaltz
Subject: River Terrace January Samples results MW-48 & MW-49

Cindy

I received your fax, thank you. I have a few questions pertaining to the January sampling results for MW-48 & 49 (Shallow (S) & Deep (D) sampling).

1. How were the samples collected, was a bailer used, what type of pump, low flow sampling?
2. What were the initial depth to water measurements for MW-48 & MW-49?
3. At what depths were the S & D water samples collected for each well and how were the depths determined?
4. What prompted Giant to collect S & D samples, provide the reasoning for collecting S & D samples?

Thanks

Hope

Hope Monzeglio
Environmental Specialist
New Mexico Environment Department
2905 Rodeo Park Drive East
BLDG 1
Santa Fe NM 87505
(505) 428-2545

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4/21/2005

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1. Low flow sampling using a peristaltic pump collected the samples.
2. Initial depth to water was MW #48 = 7.88', MW #49 = 9.19'.
3. MW #48 shallow = 8.88', deep = 16.0'. MW #49 shallow = 10.19', deep = 15.5'. Giant wanted analytical data from surface (6" or more below water level) and deep (1-1½' above well bottom) locations to allow for two discreet interval samples.
4. The purpose of the vertical interval sampling was to further investigate remedial options at the River Terrace. Interpretation of that data will occur in the Voluntary Corrective Measures Work Plan.