

GRCB 04

GRCB email 10/6/04



Release North of MW#45 Progress Report

Weekly Progress

On 9/29/2004 Giant-Bloomfield was directed to take an additional river water sample 100 yards downstream of any draw area and include this sample point in future sampling events. This river sample was taken on 9/30/2004 and sent to Hall Environmental labs for analysis. The sample came back "Non Detect" for BTEX and TPH (results are attached). This sampling point will be included in the "Monitoring and Contingency Plan". Giant continues to monitor all the draws along the property boundaries.

Giant continues to work with Malcom Pirnie on the Engineering and Design of a cut system.



COVER LETTER

October 05, 2004

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

RE: River Downstream

Order No.: 0410010

Dear Cindy Hurtado:

Hall Environmental Analysis Laboratory received 1 sample on 10/1/2004 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



Hall Environmental Analysis Laboratory

Date: 05-Oct-04

CLIENT: San Juan Refining
 Lab Order: 0410010
 Project: River Downstream
 Lab ID: 0410010-01

Client Sample ID: River-Down Stream
 Collection Date: 9/30/2004 9:40:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/5/2004 6:01:51 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/5/2004 6:01:51 AM
Surr: DNOP	121	58-140		%REC	1	10/5/2004 6:01:51 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/1/2004 3:12:26 PM
Surr: BFB	86.3	74-118		%REC	1	10/1/2004 3:12:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/1/2004 3:12:26 PM
Benzene	ND	0.50		µg/L	1	10/1/2004 3:12:26 PM
Toluene	ND	0.50		µg/L	1	10/1/2004 3:12:26 PM
Ethylbenzene	ND	0.50		µg/L	1	10/1/2004 3:12:26 PM
Xylenes, Total	ND	0.50		µg/L	1	10/1/2004 3:12:26 PM
Surr: 4-Bromofluorobenzene	93.3	74-118		%REC	1	10/1/2004 3:12:26 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: 05-Oct-04

CLIENT: San Juan Refining
 Work Order: 0410010
 Project: River Downstream

QC SUMMARY REPORT
 Method Blank

Sample ID	MB-6605	Batch ID:	6605	Test Code:	SW8015	Units:	mg/L	Analysis Date	10/5/2004 4:32:45 AM	Prep Date	10/4/2004
Client ID:		Run ID:	FID(17A) 2_041004A	SeqNo:	310403						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1									
Motor Oil Range Organics (MRO)	ND	5									
Surr: DNOP	1.162	0	1	0	116	58	140	0			

Sample ID	Reagent Blank 5m	Batch ID:	R13318	Test Code:	SW8015	Units:	mg/L	Analysis Date	10/1/2004 8:39:21 AM	Prep Date	
Client ID:		Run ID:	PIDFID_041001A	SeqNo:	309516						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.05									
Surr: BFB	17.31	0	20	0	86.6	74	118	0			

Sample ID	Reagent Blank 5m	Batch ID:	R13318	Test Code:	SW8021	Units:	µg/L	Analysis Date	10/1/2004 8:39:21 AM	Prep Date	
Client ID:		Run ID:	PIDFID_041001A	SeqNo:	309515						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	2.5									
Benzene	ND	0.5									
Toluene	ND	0.5									
Ethylbenzene	ND	0.5									
Xylenes, Total	ND	0.5									

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

Hall Environmental Analysis Laboratory

Date: 05-Oct-04

CLIENT: San Juan Refining
 Work Order: 0410010
 Project: River Downstream

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	LCS-6605	Batch ID: 6605	Test Code: SW8015	Units: mg/L	Analysis Date	10/5/2004 5:02:37 AM	Prep Date	10/4/2004				
Client ID:			Run ID: FID(17A) 2_041004A		SeqNo:	310404						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		5.55	1	5	0	111	81.2	149	0			

Sample ID	LCSD-6605	Batch ID: 6605	Test Code: SW8015	Units: mg/L	Analysis Date	10/5/2004 5:32:11 AM	Prep Date	10/4/2004				
Client ID:			Run ID: FID(17A) 2_041004A		SeqNo:	310405						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		5.736	1	5	0	115	81.2	149	5.55	3.29	23	

Sample ID	GRO std 2.5ug	Batch ID: R13318	Test Code: SW8015	Units: mg/L	Analysis Date	10/1/2004 9:09:08 AM	Prep Date					
Client ID:			Run ID: PIDFID_041001A		SeqNo:	309539						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		0.4924	0.05	0.5	0	98.5	80.3	116	0			

Sample ID	GRO std 2.5ug	Batch ID: R13318	Test Code: SW8015	Units: mg/L	Analysis Date	10/1/2004 3:42:10 PM	Prep Date					
Client ID:			Run ID: PIDFID_041001A		SeqNo:	309540						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		0.46	0.05	0.5	0	92.0	80.3	116	0.4924	6.80	8.39	

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

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CLIENT: San Juan Refining
 Work Order: 0410010
 Project: River Downstream

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	BTEX std 100ng	Batch ID: R13318	Test Code: SW8021	Units: µg/L	Analysis Date	10/1/2004 9:38:57 AM	Prep Date				
Client ID:			Run ID: PIDFID_041001A		SeqNo:	309532					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	30.97	2.5	40	0	77.4	54.9	142	0			
Benzene	21	0.5	20	0	105	81.3	121	0			
Toluene	21	0.5	20	0	105	84.9	118	0			
Ethylbenzene	21.34	0.5	20	0	107	53.8	149	0			
Xylenes, Total	64.81	0.5	60	0	108	83.1	122	0			

Sample ID	BTEX std 100ng	Batch ID: R13318	Test Code: SW8021	Units: µg/L	Analysis Date	10/1/2004 8:39:38 PM	Prep Date				
Client ID:			Run ID: PIDFID_041001A		SeqNo:	309533					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	28.94	2.5	40	0	72.3	54.9	142	30.97	6.79	28	
Benzene	19.22	0.5	20	0	96.1	81.3	121	21	8.87	27	
Toluene	19.68	0.5	20	0	98.5	84.9	118	21	6.41	19	
Ethylbenzene	18.92	0.5	20	0	94.8	53.8	149	21.34	12.0	15	
Xylenes, Total	57.34	0.5	60	0	95.6	83.1	122	64.81	12.2	13	

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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

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name SJR

Date and Time Received:

10/1/2004

Work Order Number 0410010

Received by AT

Checklist completed by

Signature: [Handwritten Signature] Date: 10/1/04

Matrix

Carrier name UPS

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present Not Shipped
- Custody seals intact on sample bottles? Yes No N/A
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - pH acceptable upon receipt? Yes No N/A
- Container/Temp Blank temperature? 5° 4° C ± 2 Acceptable
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

