

Monzeglio, Hope, NMENV

From: Steve Morris [smorris@giant.com]
Sent: Friday, March 30, 2007 8:03 AM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Jim Lieb; Ed Riege
Subject: First week samples.
Attachments: HALL4348_000.pdf

Hope & Carl,

Here are the results from the first week of samples after the release from the NAPIS. While the level of benzene is elevated coming out of the NAPIS, it appears to have dropped significantly at the outlet of Lagoon two.

With the packing being cleaned in the benzene strippers, the benzene number in to Lagoon one will be much lower.

I am actually on my day off, but will be back in the office Monday the second.

Our phones are working at the refinery again.

Thanks,
Steve Morris

This inbound email has been scanned by the MessageLabs Email Security System.

Release occurred on March 6, 2007



COVER LETTER

Wednesday, March 28, 2007

Steve Morris
Giant Refining Co
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-3833
FAX (505) 722-0210

RE: NMED Weekly NAPIS Release Samples 3/

Order No.: 0703354

Dear Steve Morris:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 3/22/2007 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

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001



Hall Environmental Analysis Laboratory, Inc.

Date: 28-Mar-07

CLIENT: Giant Refining Co
Lab Order: 0703354
Project: NMED Weekly NAPIS Release Samples 3/22/2
Lab ID: 0703354-01

Client Sample ID: AL-1 Inlet
Collection Date: 3/22/2007 10:00:00 AM
Date Received: 3/22/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	390	30		mg/L	10	3/28/2007 6:27:10 AM
Motor Oil Range Organics (MRO)	ND	150		mg/L	10	3/28/2007 6:27:10 AM
Surr: DNOP	132	58-140		%REC	10	3/28/2007 6:27:10 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	25	2.5		mg/L	50	3/26/2007 8:17:54 PM
Surr: BFB	112	79.2-121		%REC	50	3/26/2007 8:17:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	140	120		µg/L	50	3/26/2007 8:17:54 PM
Benzene	3400	50		µg/L	50	3/26/2007 8:17:54 PM
Toluene	4800	50		µg/L	50	3/26/2007 8:17:54 PM
Ethylbenzene	300	50		µg/L	50	3/26/2007 8:17:54 PM
Xylenes, Total	1900	100		µg/L	50	3/26/2007 8:17:54 PM
Surr: 4-Bromofluorobenzene	89.5	70.2-105		%REC	50	3/26/2007 8:17:54 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Mar-07

CLIENT: Giant Refining Co
 Lab Order: 0703354
 Project: NMED Weekly NAPIS Release Samples 3/22/2
 Lab ID: 0703354-02

Client Sample ID: AL-2 Outlet
 Collection Date: 3/22/2007 10:20:00 AM
 Date Received: 3/22/2007
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	65	1.0		mg/L	1	3/27/2007 3:19:35 PM
Motor Oil Range Organics (MRO)	9.8	5.0		mg/L	1	3/27/2007 3:19:35 PM
Surr: DNOP	118	58-140		%REC	1	3/27/2007 3:19:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1.2	0.50		mg/L	10	3/27/2007 9:33:19 AM
Surr: BFB	110	79.2-121		%REC	10	3/27/2007 9:33:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	3/27/2007 9:33:19 AM
Benzene	17	10		µg/L	10	3/27/2007 9:33:19 AM
Toluene	51	10		µg/L	10	3/27/2007 9:33:19 AM
Ethylbenzene	ND	10		µg/L	10	3/27/2007 9:33:19 AM
Xylenes, Total	59	20		µg/L	10	3/27/2007 9:33:19 AM
Surr: 4-Bromofluorobenzene	91.2	70.2-105		%REC	10	3/27/2007 9:33:19 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Mar-07

CLIENT:	Giant Refining Co	Client Sample ID:	EP-2 Inlet
Lab Order:	0703354	Collection Date:	3/22/2007 10:40:00 AM
Project:	NMED Weekly NAPIS Release Samples 3/22/2	Date Received:	3/22/2007
Lab ID:	0703354-03	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	84	1.0		mg/L	1	3/27/2007 3:54:00 PM
Motor Oil Range Organics (MRO)	13	5.0		mg/L	1	3/27/2007 3:54:00 PM
Surr: DNOP	115	58-140		%REC	1	3/27/2007 3:54:00 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1.5	0.50		mg/L	10	3/27/2007 11:44:13 AM
Surr: BFB	110	79.2-121		%REC	10	3/27/2007 11:44:13 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	3/27/2007 11:44:13 AM
Benzene	16	10		µg/L	10	3/27/2007 11:44:13 AM
Toluene	58	10		µg/L	10	3/27/2007 11:44:13 AM
Ethylbenzene	ND	10		µg/L	10	3/27/2007 11:44:13 AM
Xylenes, Total	69	20		µg/L	10	3/27/2007 11:44:13 AM
Surr: 4-Bromofluorobenzene	89.6	70.2-105		%REC	10	3/27/2007 11:44:13 AM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

QA/QC SUMMARY REPORT

Client: Giant Refining Co
 Project: NMED Weekly NAPIS Release Samples 3/22/2

Work Order: 0703354

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8015									
Sample ID: MB-12590		MBLK							
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-12590		LCS							
Diesel Range Organics (DRO)	4.535	mg/L	1.0	90.7	74	157			
Sample ID: LCSD-12590		LCSD							
Diesel Range Organics (DRO)	5.484	mg/L	1.0	110	74	157	18.9	23	
Method: SW8015									
Sample ID: 5ML REAGENT BLA		MBLK							
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 5ML REAGENT BLA		MBLK							
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		LCS							
Gasoline Range Organics (GRO)	0.4522	mg/L	0.050	87.2	80	115			
Sample ID: 2.5UG GRO LCS		LCS							
Gasoline Range Organics (GRO)	0.4678	mg/L	0.050	90.6	80	115			
Sample ID: 2.5UG GRO LCSD		LCSD							
Gasoline Range Organics (GRO)	0.4456	mg/L	0.050	85.9	80	115	1.47	8.39	

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- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Giant Refining Co
 Project: NMED Weekly NAPIS Release Samples 3/22/2

Work Order: 0703354

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: SW8021

Sample ID: 5ML REAGENT BLA MBLK Batch ID: R22985 Analysis Date: 3/26/2007 8:01:09 AM

Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						

Sample ID: 5ML REAGENT BLA MBLK Batch ID: R23003 Analysis Date: 3/27/2007 1:04:31 AM

Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						

Sample ID: 100NG BTEX LCS LCS Batch ID: R22985 Analysis Date: 3/27/2007 12:31:13 AM

Methyl tert-butyl ether (MTBE)	19.00	µg/L	2.5	95.0	51.2	138			
Benzene	19.27	µg/L	1.0	96.4	85.9	113			
Toluene	19.26	µg/L	1.0	96.3	86.4	113			
Ethylbenzene	19.57	µg/L	1.0	97.9	83.5	118			
Xylenes, Total	58.31	µg/L	2.0	97.2	83.4	122			

Sample ID: 100NG BTEX LCS LCS Batch ID: R23003 Analysis Date: 3/27/2007 1:47:13 PM

Methyl tert-butyl ether (MTBE)	19.29	µg/L	2.5	96.4	51.2	138			
Benzene	19.59	µg/L	1.0	97.9	85.9	113			
Toluene	19.65	µg/L	1.0	98.2	86.4	113			
Ethylbenzene	20.05	µg/L	1.0	100	83.5	118			
Xylenes, Total	59.57	µg/L	2.0	99.3	83.4	122			

Sample ID: 100NG BTEX LCSD LCSD Batch ID: R22985 Analysis Date: 3/27/2007 1:01:06 AM

Methyl tert-butyl ether (MTBE)	19.46	µg/L	2.5	97.3	51.2	138	2.38	28	
Benzene	19.95	µg/L	1.0	99.8	85.9	113	3.48	27	
Toluene	20.03	µg/L	1.0	100	86.4	113	3.90	19	
Ethylbenzene	20.27	µg/L	1.0	101	83.5	118	3.52	10	
Xylenes, Total	60.05	µg/L	2.0	100	83.4	122	2.95	13	

Qualifiers:

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- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name GIANTREFIN

Date and Time Received:

3/22/2007

Work Order Number 0703354

Received by AT

Checklist completed by Jamyg S Signature Date March 22, 07

Matrix Carrier name Client drop-off

- Shipping container/cooler in good condition? Yes [x] No [] Not Present []
Custody seals intact on shipping container/cooler? Yes [] No [] Not Present [] Not Shipped [x]
Custody seals intact on sample bottles? Yes [] No [] N/A [x]
Chain of custody present? Yes [x] No []
Chain of custody signed when relinquished and received? Yes [x] No []
Chain of custody agrees with sample labels? Yes [x] No []
Samples in proper container/bottle? Yes [x] No []
Sample containers intact? Yes [x] No []
Sufficient sample volume for indicated test? Yes [x] No []
All samples received within holding time? Yes [x] No []
Water - VOA vials have zero headspace? No VOA vials submitted [] Yes [x] No []
Water - Preservation labels on bottle and cap match? Yes [] No [] N/A [x]
Water - pH acceptable upon receipt? Yes [] No [] N/A [x]

Container/Temp Blank temperature? 2° 4° C ± 2 Acceptable If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package:

Std Level 4

Other: _____

Client: *Giant Refining Company - Cimiga*
 Address: *Route 3 Box 7 Gallup, NM 87301*

Project Name: *NMED Weekly NAPIS Release Samples 3-22-2007*

Project #:

Project Manager:

Steve Morris

Phone #: *505 722 3833*

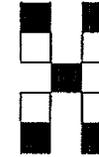
Sampler: *Steve Morris*

Fax #: *505 722 9210*

Sample Temperature: *2*

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative			HEAL No.	BTEX + MTBE + THP 's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EOC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₂ , NO ₃ , 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																
<i>3/22/07</i>	<i>1000</i>	<i>H₂O</i>	<i>AL-1 Inlet</i>	<i>6</i>				<i>0703364</i>	<i>1</i>	<i>X</i>	<i>X</i>											
<i>"</i>	<i>1020</i>	<i>"</i>	<i>AL-2 Outlet</i>	<i>6</i>					<i>2</i>	<i>X</i>	<i>X</i>											
<i>"</i>	<i>1040</i>	<i>"</i>	<i>EP-2 Inlet</i>	<i>6</i>					<i>3</i>	<i>X</i>	<i>X</i>											

ANALYSIS REQUEST



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

Date: *3/22/07* Time: *1530* Relinquished By: (Signature) *Steve Morris*

Received By: (Signature) *[Signature]*
 Received By: (Signature) *3/22/07 1530*

Remarks: