GW - 32

REPORTS

YEAR(S):

1996 4QTR RESULTS

GIANT
INDUSTRIES, INC.

February 7, 1996

Route 3, Box 7
Gallup, New Mexico
87301

Mr. P. W. Sanchez
State of New Mexico
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Dear Mr. Sanchez:

SUBJECT: ANALYTICAL REPORT FOR DISCHARGE PERMIT GW-32 - 4TH QUARTER 95.

On January 17, 1996, water samples were taken from the API separator and the aerated lagoon. This sampling event was to comply with quarterly sampling requirements set out in the GW 32 Discharge Permit. Attached is a hard copy of the analytical results for this sampling event. ATI ID# 601359-01 corresponds to Giant's sample number OCD 4Q95-AP1, which is the API separator, and ATI I # 601359-02 corresponds to Giant's sample number OCD 4Q95-AL2, aerated lagoon.

If there are any questions please contact me at (505) 722-0227.

Sincerely,

Edward L. Horst, Environmental Manager
Giant Refining Company
CINIZA Facility

xc:
David Pavlich, HSE Manager
Steve Morris, Environmental Spec.
File: 4QTR95

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **601359**

February 3, 1996

Giant Refining Co.
Route 3, Box 7
Gallup, NM 87301

Project Name/Number: OCD-WM 4 QTR 95

Attention: Edward Horst

On **01/18/96**, Analytical Technologies, of New Mexico Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 150.1 (pH) analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 11 East Olive Road, Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical**Technologies,**Inc.

CLIENT : GIANT REFINING CO.
PROJECT # : 4 QTR 95
PROJECT NAME : OCD-WM

DATE RECEIVED : 01/18/96
REPORT DATE : 02/03/96

ATI ID: 601359

	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	601359-01	OCD 4Q95-AP1	AQUEOUS	01/17/96
02	601359-02	OCD 4Q95-AL2	AQUEOUS	01/17/96

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical**Technologies,**Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: GIANT REFINING CO.	ATI I.D.	: 601359
PROJECT #	: 4 QTR 95	DATE RECEIVED	: 01/18/96
PROJECT NAME	: OCD-WM	DATE ANALYZED	: 01/19/96

PARAMETER	UNITS	01	02
PH (150.1)	UNITS	8.70	7.61

Analytical**Technologies,**Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : GIANT REFINING CO. ATI I.D. : 601359

PROJECT # : 4 QTR 95 SAMPLE MATRIX : AQUEOUS

PROJECT NAME : OCD-WM

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	60135901	8.70	8.74	0.5	NA	NA	NA

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Oil Conservation Division

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical**Technologies,**Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 601355
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 601359
Project Name: GIANT
Project Location: OCD-WM
Test: Group of Single Wetchem
Matrix: WATER
QC Level: II

Lab ID: 001
Client Sample Id: 601359-01

Sample Date/Time: 17-JAN-96 1225
Received Date: 19-JAN-96

Parameters:	Units:	Results:	Rpt Lmts:	Q:	Batch:	Analyst:
BIOCHEMICAL OXYGEN DEMAND (405.1)	MG/L	>7800	2		BDW007	AB
CHEMICAL OXYGEN DEMAND (410.4)	MG/L	17000	200	+	CHX004	RB
TOTAL DISSOLVED SOLIDS (160.1)	MG/L	16000	5		TDW006	ED

Comments:

API

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Environmental Bureau
Oil Conservation Division

Analytical**Technologies,**Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 601355
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 601359
Project Name: GIANT
Project Location: OCD-WM
Test: Group of Single Wetchem
Matrix: WATER
QC Level: II

Lab ID: 002 Sample Date/Time: 17-JAN-96 1250
Client Sample Id: 601359-02 Received Date: 19-JAN-96

Parameters:	Units:	Results:	Rpt Lmts:	Q:	Batch:	Analyst:
BIOCHEMICAL OXYGEN DEMAND (405.1)	MG/L	4100	2		BDW007	AB
CHEMICAL OXYGEN DEMAND (410.4)	MG/L	6600	200	+	CHX004	RB
TOTAL DISSOLVED SOLIDS (160.1)	MG/L	6400	5		TDW006	ED

Comments:

ALZ

Analytical**Technologies,**Inc.

"Method Report Summary"

Accession Number: 601355
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 601359
Project Name: GIANT
Project Location: OCD-WM
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:	
601359-01	BIOCHEMICAL OXYGEN DEMAND (405.1)	MG/L	>7800	API
	CHEMICAL OXYGEN DEMAND (410.4)	MG/L	17000	
	TOTAL DISSOLVED SOLIDS (160.1)	MG/L	16000	
601359-02	BIOCHEMICAL OXYGEN DEMAND (405.1)	MG/L	4100	AC2.
	CHEMICAL OXYGEN DEMAND (410.4)	MG/L	6600	
	TOTAL DISSOLVED SOLIDS (160.1)	MG/L	6400	

Analytical**Technologies,**Inc.

"WetChem Quality Control Report"

Parameter:	BOD	COD HIGH	TDS
Batch Id:	BDW007	CHX004	TDW006
Blank Result:	<2	<10	<5
Anal. Method:	405.1	410.4	160.1
Prep. Method:	N/A	N/A	N/A
Analysis Date:	24-JAN-96	23-JAN-96	25-JAN-96
Prep. Date:	19-JAN-96	23-JAN-96	22-JAN-96
Sample Duplication			
Sample Dup:	601357-1	601355-1	601365-21
Rept Limit:	<2	<200+	<5
Sample Result:	12	17100	750
Dup Result:	12	17240	736
Sample RPD:	0	1	2
Max RPD:	22	5	16
Dry Weight%	N/A	N/A	N/A
Matrix Spike			
Sample Spiked:	N/A	601355-1	N/A
Rept Limit:	N/A	<200+	N/A
Sample Result:		17100	
Spiked Result:		31680	
Spike Added:		15000	
% Recovery:		97	
% Rec Limits:		81-117	
Dry Weight%		N/A	
ICV			
ICV Result:		660	
True Result:		701	
% Recovery:		94	
% Rec Limits:		90-110	
LCS			
LCS Result:	201		337
True Result:	200		293
% Recovery:	101		115
% Rec Limits:	85-115		66-122

Analytical**Technologies,**Inc.

"Quality Control Comments"

Batch Id:	Comments:
TDW006	601408-1 WAS ADDED TO BATCH ON 1/23/96.
TDW006	601451-1,2,3,4,5,6,7 WERE ADDED TO BATCH ON 1/24/96.

Analytical**Technologies,**Inc.

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DIGESTION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3rd Edition, September 1986 and Revision 1, July 1992.
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH Manual of Analytical Methods, 3rd Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG
NC = NICOLE CALL
CF = CHRISTINE FOSTER
BF = BLANCA FACH
SG = SCOTT GRESHAM
NSB = NANCY S. BUTLER
ED = ESTHER DANTIN
RB = REBECCA BROWN
MM = MARY MOLONEY
AB = ANDY BROTHERTON

Analytical**Technologies,** Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	601355
Client:	ANALYTICAL TECHNOLOGIES, INC.
Project Number:	601359
Project Name:	GIANT
Project Location:	OCD-WM
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	001		Sample Date/Time:	17-JAN-96 1225
Client Sample Id:	601359-01		Received Date:	19-JAN-96
Batch: TOW003			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	24-JAN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	4300	200	
ANALYST	INITIALS	DWB		

Comments:

API

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Environmental Bureau
Oil Conservation Division

Analytical**Technologies,**Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	601355
Client:	ANALYTICAL TECHNOLOGIES, INC.
Project Number:	601359
Project Name:	GIANT
Project Location:	OCD-WM
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	002		Sample Date/Time:	17-JAN-96 1250
Client Sample Id:	601359-02		Received Date:	19-JAN-96
Batch: TOW003			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	24-JAN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1200	200	
ANALYST	INITIALS	DWB		

Comments:

AL 2

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Environmental Bureau
Oil Conservation Division

Analytical**Technologies,**Inc.

"Method Report Summary"

Accession Number: 601355
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 601359
Project Name: GIANT
Project Location: OCD-WM
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
601359-01	TOTAL ORGANIC CARBON	MG/L	4300 API
601359-02	TOTAL ORGANIC CARBON	MG/L	1200 AL2

Analytical**Technologies,**Inc.

"QC Report"

Title: Water Blank
Batch: TOW003
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Blank Id: A Date Analyzed: 24-JAN-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	DWB	

Comments:

Analytical**Technologies,**Inc.

"QC Report"

Title: Water Reagent
Batch: TOW003
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

RS Date Analyzed: 24-JAN-96
RSD Date Analyzed: 24-JAN-96

RS Date Extracted: N/A
RSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	6.5	97	6.6	99	2	30	71-127

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Analytical**Technologies,**Inc.

"QC Report"

Title: Water Matrix
Batch: TOW003
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 601439-14

MS Date Analyzed: 24-JAN-96
MSD Date Analyzed: 24-JAN-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	7	14	21	100	21	100	0	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

Analytical**Technologies,**Inc.

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
SW = STEVE WILHITE
KW = KAREN WADSWORTH
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ

Analytical**Technologies** of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

60/359 DATE: 1-18-96 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: **Analytical Technologies of New Mexico, Inc.**
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

RECEIVED
FEB 15 1996
Environmental Bureau
Oil Conservation Division

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
60/359-01	1-17-96	12:25	AQ	1
↓ -02	↓	12:50	AQ	2

	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry	TDS		Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta				NUMBER OF CONTAINERS
60/359-01								X		X			X	X															1
↓ -02								X		X			X	X															2

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	60/359	TOTAL NUMBER OF CONTAINERS	
PROJECT NAME:	Giant	CHAIN OF CUSTODY SEALS	
QC LEVEL:	(STD) IV	INTACT?	
QC REQUIRED:	(MS) MSD BLANK	RECEIVED GOOD COND./COLD	
TAT:	(STANDARD) RUSH!	LAB NUMBER	

DUE DATE: 2-1-96
RUSH SURCHARGE: ____
CLIENT DISCOUNT: 10%
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

IWO#: KM 1113
BOD 48 hr holdtime

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.
Signature: Dan Johnson Time: 15:14
Printed Name: Dan Johnson Date: 1-18-96
Analytical Technologies of New Mexico, Inc. Albuquerque

RECEIVED BY: 1.
Signature: Robert Elsperman Time: 1013
Printed Name: R. ELSPERMAN Date: 1/19/96
Company: ATI-FL

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: Time:
Printed Name: Date:
Company:

[redacted]5 ATI [redacted]an D[redacted] 9) 45[redacted] Phoe[redacted]2) 49[redacted] Seatt[redacted] (206) 228-8235 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI Pink - ORIGINATOR

AnalyticalTechnologies of New Mexico, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque • Anchorage

CHAIN OF CUSTODY

DATE: 1-17-96 PAGE: 1 OF 1

ATI LAB I.D. 601359

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER:

COMPANY: GIANT REFINING CO.
ADDRESS: ROUTE 3, BOX 7
GALLUP, NM 87301
PHONE: (505) 722-0227
FAX: (505) 722-0210

BILL TO: EDWARD L. HORST
COMPANY: same
ADDRESS: SAME

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject	BOD	(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	COD	504 EDB ☐ / DBCP ☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	TOC	General Chemistry:	TDS	pH	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
OCD 4Q[redacted]95-API	1-17-96	12:25	H_2O	-01			X							X								X		X	X						5
OCD 4Q[redacted]95-AL2	1-17-96	12:50	H_2O	-02			X							X								X		X	X						5

PROJECT INFORMATION

PROJ. NO.: 4QTR95
PROJ. NAME: OCD - YYM
P.O. NO.:
SHIPPED VIA: FED EX

SAMPLE RECEIPT

NO. CONTAINERS	10
CUSTODY SEALS	(Y) N / NA
RECEIVED INTACT	Y
BLUE ICE/ICE	

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

CERTIFICATION REQUIRED: ☐ NM ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: NOT BOD HAS 40 hr. holding time limit

RECEIVED
FEB 15 1996
Environmental Bureau
Oil Conservation Division

RELINQUISHED BY: 1.

Signature: Time: 1320 hr (1:20 PM)
Printed Name: E.L. HORST Date: 1-17-96
Company: GIANT

RECEIVED BY: 1.

Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.

Signature: Dan Johnson Time: 14:34
Printed Name: Dan Johnson Date: 1-18-96
Analytical Technologies of New Mexico