

HIP - __110__

**GENERAL
CORRESPONDENCE**

YEAR(S): 01/30/2009

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Tuesday, April 21, 2009 4:10 PM
To: 'Marcelle Fiedler'
Cc: Rebecca Sandoval; Mark Sikelianos
Subject: RE: water analysis results for Santa Fe Bypass project.

Marcelle,

I have reviewed the test results of the hydrostatic test water and they satisfy the conditions set forth in the approved permit and application. The OCD requires NMGC to notify the operators of the Marty Sanchez golf course that the hydrostatic wastewater exceeds the manganese standard for a domestic water supply prior to Marty Sanchez golf course acceptance of the wastewater and NMGC's discharging the wastewater into the lined irrigation pond. Please implement best management practices and spill prevention measures when transferring the water to the Marty Sanchez golf course lined irrigation pond for reuse. Also, please comply with the application and the conditions of your permit (HIP- 110).

This approval does not relieve NMGC of responsibility should its operation result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve NMGC of responsibility for compliance with other federal, state or local regulations.

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Marcelle Fiedler [mailto:Marcelle.Fiedler@nmgco.com]
Sent: Tuesday, April 21, 2009 2:35 PM
To: Jones, Brad A., EMNRD
Cc: Rebecca Sandoval; Mark Sikelianos
Subject: water analysis results for Santa Fe Bypass project.

Brad
Please see the attachments.
I will follow up with a phone call soon.

marcelle

Marcelle Fiedler
NMGC
7120 Wyoming Blvd. NE, Suite 20
Albuquerque, NM 87109
Phone: 505-697-3516
Cell: 505-220-1056

Fax: 505-697-4481 or 4497

Mailing address:

PO Box 97500

Albuquerque, NM 87199-7500

marcelle.fiedler@nmgco.com

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

Jones, Brad A., EMNRD

From: Marcelle Fiedler [Marcelle.Fiedler@nmgco.com]
Sent: Tuesday, April 21, 2009 2:35 PM
To: Jones, Brad A., EMNRD
Cc: Rebecca Sandoval; Mark Sikelianos
Subject: water analysis results for Santa Fe Bypass project.
Attachments: OCD water analysis results.pdf; 0904161.pdf

Brad
Please see the attachments.
I will follow up with a phone call soon.

marcelle

Marcelle Fiedler
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New Mexico GAS COMPANY

April 21, 2009

Mr. Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Santa Fe Main Line Replacement Project Hydrostatic - Test Discharge Permit
- HI-110

Dear Mr. Brad Jones,

New Mexico Gas Company has received results for laboratory analyses of the hydrostatic test water from the Santa Fe Main Line Replacement project. Samples submitted for water quality analyses of New Mexico Water Quality Control Commission Standards (NMWQCC) showed all parameters to be below NMWQCC standards with the exception of Manganese (Mn), which was reported at 1.5 mg/l. We believe the Mn became dissolved while undergoing the high pressure test, but will reduce when oxidized and precipitate out. We are running additional laboratory analyses to determine if this is the case.

Since Manganese falls under part B of the NMWQCC standards "Other Standards for Domestic Water Supply", and is not a contaminant in part A "Human Health Standard", NMGC is of the opinion that a high level of Manganese will not pose a threat to human health. NMGC understands that limits for Manganese are usually included for aesthetic reasons. In addition, depth to groundwater is between 250 and 400 feet below ground surface in the vicinity of the Golf Course where it will be applied for irrigation and therefore the water will not reach groundwater.

Since NMCC can not leave this water in the pipe line for an extended time we are making a special request to discharge this water into the golf course ponds where it will be applied for irrigation use per our permit application.

Your prompt attention is greatly appreciated since time is of the essence. You may contact me at either (505) 697-3639 or on my Cell phone (505) 269-8181

Respectfully Submitted,

Curtis J. Winner
New Mexico Gas Company
Manager, Land Services
7120 Wyoming Ste 20
Albuquerque, NM 87109



COVER LETTER

Friday, April 17, 2009

Rebecca Sandoval
New Mexico Gas Company
7120 Wyoming Blvd NE Ste 20
Albuquerque, NM 87109

TEL: (505) 264-3594

FAX

RE: Santa Fe Mainline Replacement Hydrostatic Test

Order No.: 0904161

Dear Rebecca Sandoval:

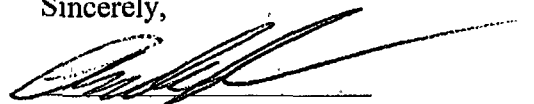
Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 4/9/2009 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

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,



Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 17-Apr-09

CLIENT: New Mexico Gas Company **Client Sample ID:** Hydrostatic TW from pipe (new)
Lab Order: 0904161 **Collection Date:** 4/9/2009 3:45:00 PM
Project: Santa Fe Mainline Replacement Hydrostatic Test **Date Received:** 4/9/2009
Lab ID: 0904161-01 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 504.1: EDB						Analyst: JAT
1,2-Dibromoethane	ND	0.010		µg/L	1	4/14/2009 7:07:21 PM
Surr: 1,2,3-Trichloropropane	111	54.9-135		%REC	1	4/14/2009 7:07:21 PM
EPA METHOD 8082: PCB'S						Analyst: JMP
Aroclor 1016	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1221	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1232	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1242	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1248	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1254	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1260	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Surr: Decachlorobiphenyl	71.2	23.9-124		%REC	1	4/15/2009 2:54:22 PM
Surr: Tetrachloro-m-xylene	85.2	28.1-139		%REC	1	4/15/2009 2:54:22 PM
EPA METHOD 8310: PAHS						Analyst: DMG
Naphthalene	ND	2.0		µg/L	1	4/15/2009 5:02:38 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	4/15/2009 5:02:38 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	4/15/2009 5:02:38 PM
Acenaphthylene	ND	2.5		µg/L	1	4/15/2009 5:02:38 PM
Acenaphthene	ND	5.0		µg/L	1	4/15/2009 5:02:38 PM
Fluorene	ND	0.80		µg/L	1	4/15/2009 5:02:38 PM
Phenanthrene	ND	0.60		µg/L	1	4/15/2009 5:02:38 PM
Anthracene	ND	0.60		µg/L	1	4/15/2009 5:02:38 PM
Fluoranthene	ND	0.30		µg/L	1	4/15/2009 5:02:38 PM
Pyrene	ND	0.30		µg/L	1	4/15/2009 5:02:38 PM
Benz(a)anthracene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Chrysene	ND	0.20		µg/L	1	4/15/2009 5:02:38 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	4/15/2009 5:02:38 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	4/15/2009 5:02:38 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	4/15/2009 5:02:38 PM
Surr: Benzo(e)pyrene	71.3	44.8-104		%REC	1	4/15/2009 5:02:38 PM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	0.25	0.10		mg/L	1	4/11/2009 12:55:47 AM
Chloride	25	0.10		mg/L	1	4/11/2009 12:55:47 AM
Nitrogen, Nitrate (As N)	0.74	0.10		mg/L	1	4/11/2009 12:55:47 AM
Sulfate	23	0.50		mg/L	1	4/11/2009 12:55:47 AM
EPA METHOD 7470: MERCURY						Analyst: MMS

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 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: 17-Apr-09

CLIENT: New Mexico Gas Company Client Sample ID: Hydrostatic TW from pipe (new)
 Lab Order: 0904161 Collection Date: 4/9/2009 3:45:00 PM
 Project: Santa Fe Mainline Replacement Hydrostatic Test Date Received: 4/9/2009
 Lab ID: 0904161-01 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: MMS
Mercury	ND	0.00020		mg/L	1	4/13/2009 5:53:16 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: NMO
Aluminum	ND	0.020		mg/L	1	4/15/2009 10:02:20 AM
Arsenic	ND	0.10		mg/L	1	4/15/2009 10:02:20 AM
Barium	ND	1.0		mg/L	1	4/15/2009 10:02:20 AM
Boron	0.11	0.040		mg/L	1	4/15/2009 10:02:20 AM
Cadmium	ND	0.010		mg/L	1	4/15/2009 10:02:20 AM
Chromium	ND	0.0080		mg/L	1	4/15/2009 10:02:20 AM
Cobalt	ND	0.0060		mg/L	1	4/15/2009 10:02:20 AM
Copper	ND	1.0		mg/L	1	4/15/2009 10:02:20 AM
Iron	ND	1.0		mg/L	1	4/15/2009 2:20:53 PM
Lead	ND	0.050		mg/L	1	4/15/2009 10:02:20 AM
Manganese	1.5	1.0		mg/L	5	4/15/2009 10:21:21 AM
Molybdenum	ND	0.0080		mg/L	1	4/15/2009 10:02:20 AM
Nickel	ND	0.010		mg/L	1	4/15/2009 10:02:20 AM
Selenium	ND	0.050		mg/L	1	4/15/2009 10:02:20 AM
Silver	ND	0.050		mg/L	1	4/15/2009 10:02:20 AM
Zinc	ND	10		mg/L	1	4/15/2009 10:02:20 AM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	1.3	1.0		µg/L	1	4/11/2009 4:28:25 PM
Toluene	6.7	1.0		µg/L	1	4/11/2009 4:28:25 PM
Ethylbenzene	2.6	1.0		µg/L	1	4/11/2009 4:28:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,4-Trimethylbenzene	2.4	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Naphthalene	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:28:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:28:25 PM
Acetone	12	10		µg/L	1	4/11/2009 4:28:25 PM
Bromobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Bromodichloromethane	7.2	1.0		µg/L	1	4/11/2009 4:28:25 PM
Bromoform	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Bromomethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2-Butanone	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Carbon disulfide	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Chlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Chloroethane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: 17-Apr-09

CLIENT: New Mexico Gas Company **Client Sample ID:** Hydrostatic TW from pipe (new)
Lab Order: 0904161 **Collection Date:** 4/9/2009 3:45:00 PM
Project: Santa Fe Mainline Replacement Hydrostatic Test **Date Received:** 4/9/2009
Lab ID: 0904161-01 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Chloroform	33	1.0		µg/L	1	4/11/2009 4:28:25 PM
Chloromethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
Dibromochloromethane	3.0	1.0		µg/L	1	4/11/2009 4:28:25 PM
Dibromomethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2-Hexanone	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Methylene Chloride	6.7	3.0		µg/L	1	4/11/2009 4:28:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Styrene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM

Qualifiers:
 * Value exceeds Maximum Contaminant Level
 E Estimated value
 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: 17-Apr-09

CLIENT: New Mexico Gas Company**Client Sample ID:** Hydrostatic TW from pipe (new)**Lab Order:** 0904161**Collection Date:** 4/9/2009 3:45:00 PM**Project:** Santa Fe Mainline Replacement Hydrostatic Test**Date Received:** 4/9/2009**Lab ID:** 0904161-01**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Vinyl chloride	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Xylenes, Total	10	1.5		µg/L	1	4/11/2009 4:28:25 PM
Surr: 1,2-Dichloroethane-d4	96.5	68.1-123		%REC	1	4/11/2009 4:28:25 PM
Surr: 4-Bromofluorobenzene	96.5	53.2-145		%REC	1	4/11/2009 4:28:25 PM
Surr: Dibromofluoromethane	95.8	68.5-119		%REC	1	4/11/2009 4:28:25 PM
Surr: Toluene-d8	92.4	64-131		%REC	1	4/11/2009 4:28:25 PM
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: JMP
Phenolics, Total Recoverable	3.6	2.5		µg/L	1	4/16/2006
SM4500-H+B: PH						Analyst: NSB
pH	7.44	0.1		pH units	1	4/13/2009
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DMG
Total Dissolved Solids	250	20		mg/L	1	4/15/2009

Qualifiers:

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- E Estimated value
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- 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: 17-Apr-09

CLIENT: New Mexico Gas Company **Client Sample ID:** Trip Blank
Lab Order: 0904161 **Collection Date:**
Project: Santa Fe Mainline Replacement Hydrostatic Test **Date Received:** 4/9/2009
Lab ID: 0904161-02 **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Toluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Ethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Naphthalene	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:58:03 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:58:03 PM
Acetone	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Bromobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Bromoform	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Bromomethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2-Butanone	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Carbon disulfide	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Chlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Chloroethane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Chloroform	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Chloromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Dibromomethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2-Hexanone	ND	10		µg/L	1	4/11/2009 4:58:03 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 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: 17-Apr-09

CLIENT: New Mexico Gas Company

Client Sample ID: Trip Blank

Lab Order: 0904161

Collection Date:

Project: Santa Fe Mainline Replacement Hydrostatic Test

Date Received: 4/9/2009

Lab ID: 0904161-02

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Isopropylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Methylene Chloride	ND	3.0		µg/L	1	4/11/2009 4:58:03 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Styrene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Vinyl chloride	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Xylenes, Total	ND	1.5		µg/L	1	4/11/2009 4:58:03 PM
Surr: 1,2-Dichloroethane-d4	95.9	68.1-123		%REC	1	4/11/2009 4:58:03 PM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	1	4/11/2009 4:58:03 PM
Surr: Dibromofluoromethane	97.9	68.5-119		%REC	1	4/11/2009 4:58:03 PM
Surr: Toluene-d8	98.4	64-131		%REC	1	4/11/2009 4:58:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- 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



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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0904161
Lab ID: B09041185-001
Client Sample ID: 0904161-01F, Hydrostatic TW from Pipe (New)

Report Date: 04/14/09
Collection Date: 04/09/09 15:45
Date Received: 04/14/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/14/09 14:32 / kjp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Hall Environmental
Project: 0804161

Report Date: 04/14/09
Work Order: B09041185

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod							Analytical Run: AUTOAN201-B_090414B		
Sample ID: ICV-1	Initial Calibration Verification Standard								04/14/09 14:26
Cyanide, Total	0.138	mg/L	0.0050	92	90	110			
Method: Kelada mod							Batch: R127811		
Sample ID: LFB-2	Laboratory Fortified Blank								04/14/09 14:28
Cyanide, Total	0.0966	mg/L	0.0050	97	90	110			
Sample ID: MBLK-3	Method Blank								04/14/09 14:30
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B09041186-003BMS	Sample Matrix Spike								04/14/09 14:35
Cyanide, Total	0.108	mg/L	0.0050	108	90	110			
Sample ID: B09041186-003BMSD	Sample Matrix Spike Duplicate								04/14/09 14:37
Cyanide, Total	0.109	mg/L	0.0050	109	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		MBLK			Batch ID: R33201		Analysis Date: 4/10/2009 9:33:04 AM		
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS-b		LCS			Batch ID: R33201		Analysis Date: 4/10/2009 10:25:19 AM		
Fluoride	0.4954	mg/L	0.10	99.1	90	110			
Chloride	5.184	mg/L	0.10	104	90	110			
Nitrogen, Nitrate (As N)	2.624	mg/L	0.10	105	90	110			
Sulfate	10.48	mg/L	0.50	105	90	110			
Method: EPA Method 9067: Total Phenolics									
Sample ID: MB-18850		MBLK			Batch ID: 18860		Analysis Date: 4/16/2006		
Phenolics, Total Recoverable	ND	µg/L	2.5						
Sample ID: LCS-18850		LCS			Batch ID: 18860		Analysis Date: 4/16/2006		
Phenolics, Total Recoverable	18.50	µg/L	2.5	92.5	51.7	133			
Sample ID: LCSD-18850		LCSD			Batch ID: 18860		Analysis Date: 4/16/2006		
Phenolics, Total Recoverable	19.78	µg/L	2.5	98.9	51.7	133	6.68	20	
Method: EPA Method 504.1: EDB									
Sample ID: MB-18833		MBLK			Batch ID: 18833		Analysis Date: 4/14/2009 5:11:04 PM		
1,2-Dibromoethane	ND	µg/L	0.010						
Sample ID: LCS-18833		LCS			Batch ID: 18833		Analysis Date: 4/14/2009 5:24:03 PM		
1,2-Dibromoethane	0.09600	µg/L	0.010	96.0	70	130			
Sample ID: LCSD-18833		LCSD			Batch ID: 18833		Analysis Date: 4/14/2009 5:36:58 PM		
1,2-Dibromoethane	0.08900	µg/L	0.010	89.0	70	130	7.57	13.5	
Method: EPA Method 8082: PCB's									
Sample ID: MB-18816		MBLK			Batch ID: 18816		Analysis Date: 4/15/2009 12:40:44 PM		
Aroclor 1016	ND	µg/L	1.0						
Aroclor 1221	ND	µg/L	1.0						
Aroclor 1232	ND	µg/L	1.0						
Aroclor 1242	ND	µg/L	1.0						
Aroclor 1248	ND	µg/L	1.0						
Aroclor 1254	ND	µg/L	1.0						
Aroclor 1260	ND	µg/L	1.0						
Sample ID: LCS-18816		LCS			Batch ID: 18816		Analysis Date: 4/16/2009 3:01:19 PM		
Aroclor 1016	4.524	µg/L	1.0	90.5	27.4	132			
Aroclor 1260	4.830	µg/L	1.0	96.6	33.6	97.7			
Sample ID: LCSD-18816		LCSD			Batch ID: 18816		Analysis Date: 4/15/2009 2:09:51 PM		
Aroclor 1016	3.598	µg/L	1.0	71.9	27.4	132	22.9	45.7	
Aroclor 1260	4.116	µg/L	1.0	82.3	33.6	97.7	16.0	30	

Qualifiers:

E Estimated value
 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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8310: PAHs

Sample ID: MB-18811

MBLK

Batch ID: 18811 Analysis Date: 4/15/2009 3:21:25 PM

Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	2.0
2-Methylnaphthalene	ND	µg/L	2.0
Acenaphthylene	ND	µg/L	2.5
Acenaphthene	ND	µg/L	5.0
Fluorene	ND	µg/L	0.80
Phenanthrene	ND	µg/L	0.60
Anthracene	ND	µg/L	0.60
Fluoranthene	ND	µg/L	0.30
Pyrene	ND	µg/L	0.30
Benz(a)anthracene	ND	µg/L	0.070
Chrysene	ND	µg/L	0.20
Benzo(b)fluoranthene	ND	µg/L	0.10
Benzo(k)fluoranthene	ND	µg/L	0.070
Benzo(a)pyrene	ND	µg/L	0.070
Dibenz(a,h)anthracene	ND	µg/L	0.070
Benzo(g,h,i)perylene	ND	µg/L	0.080
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080

Sample ID: LCS-18811

LCS

Batch ID: 18811 Analysis Date: 4/17/2009 1:53:22 PM

Naphthalene	40.55	µg/L	2.0	50.7	31.5	90.7
1-Methylnaphthalene	40.02	µg/L	2.0	49.9	32.5	93.3
2-Methylnaphthalene	41.20	µg/L	2.0	51.5	32.8	89.6
Acenaphthylene	39.72	µg/L	2.5	49.5	37.8	92.4
Acenaphthene	42.72	µg/L	5.0	53.4	38.6	93.9
Fluorene	3.350	µg/L	0.80	41.8	38	95.5
Phenanthrene	1.960	µg/L	0.60	48.8	32.9	107
Anthracene	1.980	µg/L	0.60	49.3	35.2	98.3
Fluoranthene	3.950	µg/L	0.30	49.3	36.4	104
Pyrene	4.320	µg/L	0.30	53.9	37.1	102
Benz(a)anthracene	0.4400	µg/L	0.070	54.9	33.7	101
Chrysene	1.990	µg/L	0.20	49.5	35.2	98.1
Benzo(b)fluoranthene	0.5200	µg/L	0.10	51.9	33.6	94.2
Benzo(k)fluoranthene	0.2700	µg/L	0.070	54.0	25.4	110
Benzo(a)pyrene	0.2700	µg/L	0.070	53.8	28.9	102
Dibenz(a,h)anthracene	0.4900	µg/L	0.070	48.9	40.7	92.1
Benzo(g,h,i)perylene	0.5100	µg/L	0.080	51.0	24.3	109
Indeno(1,2,3-cd)pyrene	0.9700	µg/L	0.080	48.4	42.6	99.9

Sample ID: LCSD-18811

LCSD

Batch ID: 18811 Analysis Date: 4/15/2009 4:01:53 PM

Naphthalene	32.91	µg/L	2.0	41.1	31.5	90.7	20.8	32.1
1-Methylnaphthalene	34.98	µg/L	2.0	43.6	32.5	93.3	13.4	32.7
2-Methylnaphthalene	35.72	µg/L	2.0	44.7	32.8	89.6	14.2	34
Acenaphthylene	39.12	µg/L	2.5	48.8	37.8	92.4	1.52	38.8
Acenaphthene	39.61	µg/L	5.0	49.5	38.6	93.9	7.55	38.6
Fluorene	3.320	µg/L	0.80	41.4	38	95.5	0.900	29.3

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: LCSD-18811		LCSD			Batch ID: 18811	Analysis Date: 4/15/2009 4:01:53 PM			
Phenanthrene	1.730	µg/L	0.60	43.0	32.9	107	12.5	25	
Anthracene	1.890	µg/L	0.60	47.0	35.2	98.3	4.65	23.9	
Fluoranthene	3.710	µg/L	0.30	46.3	36.4	104	6.27	15.7	
Pyrene	4.320	µg/L	0.30	53.9	37.1	102	0	15.3	
Benz(a)anthracene	0.4300	µg/L	0.070	53.6	33.7	101	2.30	19	
Chrysene	1.960	µg/L	0.20	48.8	35.2	96.1	1.52	16.6	
Benzo(b)fluoranthene	0.5200	µg/L	0.10	51.9	33.6	94.2	0	21.7	
Benzo(k)fluoranthene	0.2600	µg/L	0.070	52.0	25.4	110	3.77	19.4	
Benzo(a)pyrene	0.2600	µg/L	0.070	51.8	26.9	102	3.77	16.7	
Dibenz(a,h)anthracene	0.4800	µg/L	0.070	47.9	40.7	92.1	2.06	17.3	
Benzo(g,h,i)perylene	0.5300	µg/L	0.080	53.0	24.3	109	3.85	18	
Indeno(1,2,3-cd)pyrene	1.010	µg/L	0.080	50.4	42.6	99.9	4.04	17.7	

Method: EPA Method 7470: Mercury

Sample ID: MB-18812		MBLK			Batch ID: 18812	Analysis Date: 4/13/2009 5:33:17 PM			
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-18812		LCS			Batch ID: 18812	Analysis Date: 4/13/2009 5:35:06 PM			
Mercury	0.005417	mg/L	0.00020	108	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 6010B: Dissolved Metals

Sample ID: 0904161-01DMSD

MSD

Batch ID: R33250 Analysis Date: 4/15/2009 10:08:55 AM

Aluminum	0.5058	mg/L	0.020	101	75	125	2.34	20
Arsenic	0.5006	mg/L	0.020	100	75	125	4.76	20
Barium	0.4891	mg/L	0.020	95.2	75	125	1.72	20
Boron	0.6019	mg/L	0.040	99.2	75	125	1.27	20
Cadmium	0.4995	mg/L	0.0020	99.9	75	125	2.83	20
Chromium	0.4861	mg/L	0.0060	97.2	75	125	3.19	20
Cobalt	0.4870	mg/L	0.0060	97.1	75	125	2.84	20
Copper	0.4893	mg/L	0.0060	96.8	75	125	1.94	20
Lead	0.4885	mg/L	0.0060	97.7	75	125	3.37	20
Molybdenum	0.4958	mg/L	0.0080	98.7	75	125	4.06	20
Nickel	0.4940	mg/L	0.010	97.1	75	125	3.03	20
Selenium	0.5463	mg/L	0.050	109	75	125	0.799	20
Silver	0.4448	mg/L	0.0050	89.0	75	125	3.42	20
Zinc	0.5348	mg/L	0.050	102	75	125	2.45	20

Sample ID: 0904161-01DMSD

MSD

Batch ID: R33250 Analysis Date: 4/15/2009 10:27:07 AM

Manganese	1.941	mg/L	0.010	88.6	75	125	2.81	20
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Sample ID: 0904161-01DMSD

MSD

Batch ID: R Analysis Date: 4/15/2009 2:25:29 PM

Iron	0.4152	mg/L	0.020	78.5	75	125	0.425	20
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Sample ID: MB

MBLK

Batch ID: R33250 Analysis Date: 4/15/2009 9:59:29 AM

Aluminum	ND	mg/L	0.020					
Arsenic	ND	mg/L	0.020					
Barium	ND	mg/L	0.020					
Boron	ND	mg/L	0.040					
Cadmium	ND	mg/L	0.0020					
Chromium	ND	mg/L	0.0060					
Cobalt	ND	mg/L	0.0060					
Copper	ND	mg/L	0.0060					
Lead	ND	mg/L	0.0050					
Manganese	ND	mg/L	0.0020					
Molybdenum	ND	mg/L	0.0080					
Nickel	ND	mg/L	0.010					
Selenium	ND	mg/L	0.050					
Silver	ND	mg/L	0.0050					
Zinc	ND	mg/L	0.050					

Sample ID: MB

MBLK

Batch ID: R Analysis Date: 4/15/2009 2:15:52 PM

Iron	ND	mg/L	0.020					
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Sample ID: LCS

LCS

Batch ID: R33250 Analysis Date: 4/15/2009 9:55:54 AM

Aluminum	0.5177	mg/L	0.020	103	80	120		
Arsenic	0.4679	mg/L	0.020	93.6	80	120		
Barium	0.4684	mg/L	0.020	91.7	80	120		
Boron	0.4784	mg/L	0.040	95.7	80	120		
Cadmium	0.4690	mg/L	0.0020	93.8	80	120		
Chromium	0.4690	mg/L	0.0060	93.8	80	120		

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 6010B: Dissolved Metals

Sample ID: LCS LCS Batch ID: R33250 Analysis Date: 4/15/2009 9:55:54 AM

Cobalt	0.4458	mg/L	0.0060	89.2	80	120
Copper	0.4443	mg/L	0.0060	88.9	80	120
Lead	0.4633	mg/L	0.0050	92.7	80	120
Manganese	0.4527	mg/L	0.0020	90.5	80	120
Molybdenum	0.4839	mg/L	0.0080	96.1	80	120
Nickel	0.4457	mg/L	0.010	89.1	80	120
Selenium	0.4509	mg/L	0.050	90.2	80	120
Silver	0.4684	mg/L	0.0050	93.6	80	120
Zinc	0.4724	mg/L	0.050	94.5	80	120

Sample ID: LCS LCS Batch ID: R Analysis Date: 4/15/2009 2:18:09 PM

Iron	0.4787	mg/L	0.020	95.7	80	120
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Sample ID: 0904161-01DMS MS Batch ID: R33250 Analysis Date: 4/15/2009 10:05:33 AM

Aluminum	0.4941	mg/L	0.020	98.5	75	125
Arsenic	0.4773	mg/L	0.020	95.5	75	125
Barium	0.4808	mg/L	0.020	93.5	75	125
Boron	0.5943	mg/L	0.040	97.6	75	125
Cadmium	0.4855	mg/L	0.0020	97.1	75	125
Chromium	0.4708	mg/L	0.0060	94.2	75	125
Cobalt	0.4734	mg/L	0.0060	94.4	75	125
Copper	0.4798	mg/L	0.0060	94.9	75	125
Lead	0.4723	mg/L	0.0050	94.5	75	125
Molybdenum	0.4760	mg/L	0.0080	94.8	75	125
Nickel	0.4793	mg/L	0.010	94.1	75	125
Selenium	0.5420	mg/L	0.050	108	75	125
Silver	0.4298	mg/L	0.0050	86.0	75	125
Zinc	0.5219	mg/L	0.050	99.8	75	125

Sample ID: 0904161-01DMS MS Batch ID: R33250 Analysis Date: 4/15/2009 10:23:47 AM

Manganese	1.887	mg/L	0.010	77.8	75	125
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Sample ID: 0904161-01DMS MS Batch ID: R Analysis Date: 4/15/2009 2:23:07 PM

Iron	0.4134	mg/L	0.020	78.2	75	125
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Method: SM2540C MOD: Total Dissolved Solids

Sample ID: 0904161-01CMSD MSD Batch ID: 18825 Analysis Date: 4/15/2009

Total Dissolved Solids	1245	mg/L	20	100	80	120	1.37	20
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Sample ID: 0904161-01CMS MS Batch ID: 18825 Analysis Date: 4/15/2009

Total Dissolved Solids	1228	mg/L	20	98.3	80	120
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Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R33198 Analysis Date: 4/10/2009 9:10:14 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R33198 Analysis Date: 4/10/2009 9:10:14 AM

4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: b11

MBLK

Batch ID: R33198 Analysis Date: 4/11/2009 10:02:08 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b11

MBLK

Batch ID: R33198 Analysis Date: 4/11/2009 10:02:08 AM

Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 100ng lcs

LCS

Batch ID: R33198 Analysis Date: 4/10/2009 10:09:45 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 100ng lcs

LCS

Batch ID: R33198

Analysis Date: 4/10/2009 10:09:45 AM

Benzene	19.32	µg/L	1.0	96.6	88	116			
Toluene	18.22	µg/L	1.0	96.1	82.9	112			
Chlorobenzene	19.26	µg/L	1.0	96.3	71.4	133			
1,1-Dichloroethene	19.12	µg/L	1.0	95.6	97.9	140			S
Trichloroethene (TCE)	18.26	µg/L	1.0	91.3	90.5	112			

Sample ID: 100ng lcs-II

LCS

Batch ID: R33218

Analysis Date: 4/13/2009 2:04:35 PM

Benzene	20.61	µg/L	1.0	103	88	116			
Toluene	19.42	µg/L	1.0	97.1	82.9	112			
Chlorobenzene	18.94	µg/L	1.0	94.7	71.4	133			
1,1-Dichloroethene	19.83	µg/L	1.0	99.2	97.9	140			
Trichloroethene (TCE)	18.77	µg/L	1.0	93.8	90.5	112			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name NM GAS COMPANY

Date Received:

4/9/2009

Work Order Number 0904161

Received by: AT

Sample ID labels checked by:

Initials

Checklist completed by:

Signature

Date

4/9/09

Matrix:

Carrier name Client drop-off

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 - Preservation labels on bottle and cap match?	Yes ☒	No ☐	N/A ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐

Container/Temp Blank temperature?

11°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



February 5, 2009

Ms. Marcelle Fiedler
New Mexico Gas Company
7120 Wyoming Blvd. NE Suite 20
Albuquerque, NM 87109
505-697-3516

**RE: Request to Transfer PNM HIP-110 to NMGC for Santa Fe Replacement Pressure Test
New Mexico Gas Company
HIP-110**

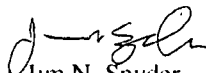
Dear Ms. Fiedler:

The New Mexico Oil Conservation Division (OCD) has reviewed the New Mexico Gas Company (NMGC) request, dated January 30, 2009. OCD has accepted and processed the transfer of HIP-110 to NMGC. OCD recognizes effective January 30, 2009 the Public Service Company of New Mexico (PNM) will sell their gas operations to the NMGC. Included in the sale are all assets related to the Santa Fe Replacement Project in Santa Fe County, New Mexico for which PNM has acquired permit HIP-110 authorizing the discharge of 399,000 gallons of water. The NMGC will be the new owners of the Santa Fe Replacement construction project and will conduct the hydrostatic test. See attachment of HIP-110. NMGC understands and agrees to comply with the terms and conditions of the permit.

Please be advised that approval of this request does not relieve the New Mexico Gas Company of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve New Mexico Gas Company of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3484 or jim.snyder@state.nm.us.

Sincerely,


Jim N. Snyder
Hydrologist

JNS/jns

cc: OCD District IV Office, Santa Fe
attachment: HIP-110



Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Tuesday, April 21, 2009 4:10 PM
To: 'Marcelle Fiedler'
Cc: Rebecca Sandoval; Mark Sikelianos
Subject: RE: water analysis results for Santa Fe Bypass project.

Marcelle,

I have reviewed the test results of the hydrostatic test water and they satisfy the conditions set forth in the approved permit and application. The OCD requires NMGC to notify the operators of the Marty Sanchez golf course that the hydrostatic wastewater exceeds the manganese standard for a domestic water supply prior to Marty Sanchez golf course acceptance of the wastewater and NMGC's discharging the wastewater into the lined irrigation pond. Please implement best management practices and spill prevention measures when transferring the water to the Marty Sanchez golf course lined irrigation pond for reuse. Also, please comply with the application and the conditions of your permit (HIP- 110).

This approval does not relieve NMGC of responsibility should its operation result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve NMGC of responsibility for compliance with other federal, state or local regulations.

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Marcelle Fiedler [mailto:Marcelle.Fiedler@nmgco.com]
Sent: Tuesday, April 21, 2009 2:35 PM
To: Jones, Brad A., EMNRD
Cc: Rebecca Sandoval; Mark Sikelianos
Subject: water analysis results for Santa Fe Bypass project.

Brad
Please see the attachments.
I will follow up with a phone call soon.

marcelle

Marcelle Fiedler
NMGC
7120 Wyoming Blvd. NE, Suite 20
Albuquerque, NM 87109
Phone: 505-697-3516
Cell: 505-220-1056

Fax: 505-697-4481 or 4497

Mailing address:

PO Box 97500

Albuquerque, NM 87199-7500

marcelle.fiedler@nmgco.com

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

Jones, Brad A., EMNRD

From: Marcelle Fiedler [Marcelle.Fiedler@nmgco.com]
Sent: Tuesday, April 21, 2009 2:35 PM
To: Jones, Brad A., EMNRD
Cc: Rebecca Sandoval; Mark Sikelianos
Subject: water analysis results for Santa Fe Bypass project.
Attachments: OCD water analysis results.pdf; 0904161.pdf

Brad
Please see the attachments.
I will follow up with a phone call soon.

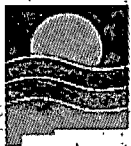
marcelle

Marcelle Fiedler
NMGC
7120 Wyoming, Blvd. NE, Suite 20
Albuquerque, NM 87109
Phone: 505-697-3516
Cell: 505-220-1056
Fax: 505-697-4481 or 4497

Mailing address:
PO Box 97500
Albuquerque, NM 87199-7500

marcelle.fiedler@nmgco.com

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



New Mexico GAS COMPANY

April 21, 2009

Mr. Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Santa Fe Main Line Replacement Project Hydrostatic - Test Discharge Permit
- HI-110

Dear Mr. Brad Jones,

New Mexico Gas Company has received results for laboratory analyses of the hydrostatic test water from the Santa Fe Main Line Replacement project. Samples submitted for water quality analyses of New Mexico Water Quality Control Commission Standards (NMWQCC) showed all parameters to be below NMWQCC standards with the exception of Manganese (Mn), which was reported at 1.5 mg/l. We believe the Mn became dissolved while undergoing the high pressure test, but will reduce when oxidized and precipitate out. We are running additional laboratory analyses to determine if this is the case.

Since Manganese falls under part B of the NMWQCC standards "Other Standards for Domestic Water Supply", and is not a contaminant in part A "Human Health Standard", NMGC is of the opinion that a high level of Manganese will not pose a threat to human health. NMGC understands that limits for Manganese are usually included for aesthetic reasons. In addition, depth to groundwater is between 250 and 400 feet below ground surface in the vicinity of the Golf Course where it will be applied for irrigation and therefore the water will not reach groundwater.

Since NMCC can not leave this water in the pipe line for an extended time we are making a special request to discharge this water into the golf course ponds where it will be applied for irrigation use per our permit application.

Your prompt attention is greatly appreciated since time is of the essence. You may contact me at either (505) 697-3639 or on my Cell phone (505) 269-8181

Respectfully Submitted,

Curtis J. Winner
New Mexico Gas Company
Manager, Land Services
7120 Wyoming Ste 20
Albuquerque, NM 87109



COVER LETTER

Friday, April 17, 2009

Rebecca Sandoval
New Mexico Gas Company
7120 Wyoming Blvd NE Ste 20
Albuquerque, NM 87109

TEL: (505) 264-3594

FAX

RE: Santa Fe Mainline Replacement Hydrostatic Test

Order No.: 0904161

Dear Rebecca Sandoval:

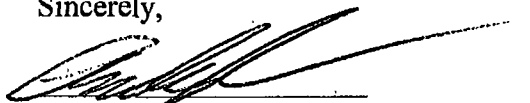
Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 4/9/2009 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

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,



Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Apr-09

CLIENT: New Mexico Gas Company **Client Sample ID:** Hydrostatic TW from pipe (new)
Lab Order: 0904161 **Collection Date:** 4/9/2009 3:45:00 PM
Project: Santa Fe Mainline Replacement Hydrostatic Test **Date Received:** 4/9/2009
Lab ID: 0904161-01 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 504.1: EDB						Analyst: JAT
1,2-Dibromoethane	ND	0.010		µg/L	1	4/14/2009 7:07:21 PM
Surr: 1,2,3-Trichloropropane	111	54.9-135		%REC	1	4/14/2009 7:07:21 PM
EPA METHOD 8082: PCB'S						Analyst: JMP
Aroclor 1016	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1221	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1232	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1242	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1248	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1254	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Aroclor 1260	ND	1.0		µg/L	1	4/15/2009 2:54:22 PM
Surr: Decachlorobiphenyl	71.2	23.9-124		%REC	1	4/15/2009 2:54:22 PM
Surr: Tetrachloro-m-xylene	85.2	28.1-139		%REC	1	4/15/2009 2:54:22 PM
EPA METHOD 8310: PAHS						Analyst: DMG
Naphthalene	ND	2.0		µg/L	1	4/15/2009 5:02:38 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	4/15/2009 5:02:38 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	4/15/2009 5:02:38 PM
Acenaphthylene	ND	2.5		µg/L	1	4/15/2009 5:02:38 PM
Acenaphthene	ND	5.0		µg/L	1	4/15/2009 5:02:38 PM
Fluorene	ND	0.80		µg/L	1	4/15/2009 5:02:38 PM
Phenanthrene	ND	0.60		µg/L	1	4/15/2009 5:02:38 PM
Anthracene	ND	0.60		µg/L	1	4/15/2009 5:02:38 PM
Fluoranthene	ND	0.30		µg/L	1	4/15/2009 5:02:38 PM
Pyrene	ND	0.30		µg/L	1	4/15/2009 5:02:38 PM
Benz(a)anthracene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Chrysene	ND	0.20		µg/L	1	4/15/2009 5:02:38 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	4/15/2009 5:02:38 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	4/15/2009 5:02:38 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	4/15/2009 5:02:38 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	4/15/2009 5:02:38 PM
Surr: Benzo(e)pyrene	71.3	44.8-104		%REC	1	4/15/2009 5:02:38 PM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	0.25	0.10		mg/L	1	4/11/2009 12:55:47 AM
Chloride	25	0.10		mg/L	1	4/11/2009 12:55:47 AM
Nitrogen, Nitrate (As N)	0.74	0.10		mg/L	1	4/11/2009 12:55:47 AM
Sulfate	23	0.50		mg/L	1	4/11/2009 12:55:47 AM
EPA METHOD 7470: MERCURY						Analyst: MMS

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 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: 17-Apr-09

CLIENT: New Mexico Gas Company**Client Sample ID:** Hydrostatic TW from pipe (new)**Lab Order:** 0904161**Collection Date:** 4/9/2009 3:45:00 PM**Project:** Santa Fe Mainline Replacement Hydrostatic Test**Date Received:** 4/9/2009**Lab ID:** 0904161-01**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: MMS
Mercury	ND	0.00020		mg/L	1	4/13/2009 5:53:16 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: NMO
Aluminum	ND	0.020		mg/L	1	4/15/2009 10:02:20 AM
Arsenic	ND	0.10		mg/L	1	4/15/2009 10:02:20 AM
Barium	ND	1.0		mg/L	1	4/15/2009 10:02:20 AM
Boron	0.11	0.040		mg/L	1	4/15/2009 10:02:20 AM
Cadmium	ND	0.010		mg/L	1	4/15/2009 10:02:20 AM
Chromium	ND	0.0060		mg/L	1	4/15/2009 10:02:20 AM
Cobalt	ND	0.0060		mg/L	1	4/15/2009 10:02:20 AM
Copper	ND	1.0		mg/L	1	4/15/2009 10:02:20 AM
Iron	ND	1.0		mg/L	1	4/15/2009 2:20:53 PM
Lead	ND	0.050		mg/L	1	4/15/2009 10:02:20 AM
Manganese	1.5	1.0		mg/L	5	4/15/2009 10:21:21 AM
Molybdenum	ND	0.0080		mg/L	1	4/15/2009 10:02:20 AM
Nickel	ND	0.010		mg/L	1	4/15/2009 10:02:20 AM
Selenium	ND	0.050		mg/L	1	4/15/2009 10:02:20 AM
Silver	ND	0.050		mg/L	1	4/15/2009 10:02:20 AM
Zinc	ND	10		mg/L	1	4/15/2009 10:02:20 AM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	1.3	1.0		µg/L	1	4/11/2009 4:28:25 PM
Toluene	6.7	1.0		µg/L	1	4/11/2009 4:28:25 PM
Ethylbenzene	2.6	1.0		µg/L	1	4/11/2009 4:28:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,4-Trimethylbenzene	2.4	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Naphthalene	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:28:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:28:25 PM
Acetone	12	10		µg/L	1	4/11/2009 4:28:25 PM
Bromobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Bromodichloromethane	7.2	1.0		µg/L	1	4/11/2009 4:28:25 PM
Bromoform	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Bromomethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2-Butanone	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Carbon disulfide	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Chlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Chloroethane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- 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: 17-Apr-09

CLIENT: New Mexico Gas Company **Client Sample ID:** Hydrostatic TW from pipe (new)
Lab Order: 0904161 **Collection Date:** 4/9/2009 3:45:00 PM
Project: Santa Fe Mainline Replacement Hydrostatic Test **Date Received:** 4/9/2009
Lab ID: 0904161-01 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Chloroform	33	1.0		µg/L	1	4/11/2009 4:28:25 PM
Chloromethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
Dibromochloromethane	3.0	1.0		µg/L	1	4/11/2009 4:28:25 PM
Dibromomethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
2-Hexanone	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/11/2009 4:28:25 PM
Methylene Chloride	6.7	3.0		µg/L	1	4/11/2009 4:28:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Styrene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/11/2009 4:28:25 PM

Qualifiers:
 * Value exceeds Maximum Contaminant Level
 E Estimated value
 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: 17-Apr-09

CLIENT: New Mexico Gas Company**Client Sample ID:** Hydrostatic TW from pipe (new)**Lab Order:** 0904161**Collection Date:** 4/9/2009 3:45:00 PM**Project:** Santa Fe Mainline Replacement Hydrostatic Test**Date Received:** 4/9/2009**Lab ID:** 0904161-01**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Vinyl chloride	ND	1.0		µg/L	1	4/11/2009 4:28:25 PM
Xylenes, Total	10	1.5		µg/L	1	4/11/2009 4:28:25 PM
Surr: 1,2-Dichloroethane-d4	96.5	68.1-123		%REC	1	4/11/2009 4:28:25 PM
Surr: 4-Bromofluorobenzene	96.5	53.2-145		%REC	1	4/11/2009 4:28:25 PM
Surr: Dibromofluoromethane	95.8	68.5-119		%REC	1	4/11/2009 4:28:25 PM
Surr: Toluene-d8	92.4	64-131		%REC	1	4/11/2009 4:28:25 PM
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: JMP
Phenolics, Total Recoverable	3.6	2.5		µg/L	1	4/16/2006
SM4500-H+B: PH						Analyst: NSB
pH	7.44	0.1		pH units	1	4/13/2009
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DMG
Total Dissolved Solids	250	20		mg/L	1	4/15/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- 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: 17-Apr-09

CLIENT: New Mexico Gas Company **Client Sample ID:** Trip Blank
Lab Order: 0904161 **Collection Date:**
Project: Santa Fe Mainline Replacement Hydrostatic Test **Date Received:** 4/9/2009
Lab ID: 0904161-02 **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Toluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Ethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Naphthalene	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:58:03 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2009 4:58:03 PM
Acetone	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Bromobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Bromoform	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Bromomethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2-Butanone	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Carbon disulfide	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Chlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Chloroethane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Chloroform	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Chloromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Dibromomethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
2-Hexanone	ND	10		µg/L	1	4/11/2009 4:58:03 PM

Qualifiers:
 * Value exceeds Maximum Contaminant Level
 E Estimated value
 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: 17-Apr-09

CLIENT: New Mexico Gas Company

Client Sample ID: Trip Blank

Lab Order: 0904161

Collection Date:

Project: Santa Fe Mainline Replacement Hydrostatic Test

Date Received: 4/9/2009

Lab ID: 0904161-02

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Isopropylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/11/2009 4:58:03 PM
Methylene Chloride	ND	3.0		µg/L	1	4/11/2009 4:58:03 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Styrene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/11/2009 4:58:03 PM
Vinyl chloride	ND	1.0		µg/L	1	4/11/2009 4:58:03 PM
Xylenes, Total	ND	1.5		µg/L	1	4/11/2009 4:58:03 PM
Surr: 1,2-Dichloroethane-d4	95.9	68.1-123		%REC	1	4/11/2009 4:58:03 PM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	1	4/11/2009 4:58:03 PM
Surr: Dibromofluoromethane	97.9	68.5-119		%REC	1	4/11/2009 4:58:03 PM
Surr: Toluene-d8	98.4	64-131		%REC	1	4/11/2009 4:58:03 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
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



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800-735-4489 • 406-252-6325 • 406-252-6069 fax • el@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0904161
Lab ID: B09041185-001
Client Sample ID: 0904161-01F, Hydrostatic TW from Pipe (New)

Report Date: 04/14/09
Collection Date: 04/09/09 15:45
Date Received: 04/14/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/14/09 14:32 / klp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Hall Environmental

Project: 0904181

Report Date: 04/14/09

Work Order: B09041185

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod							Analytical Run: AUTOAN201-B_090414B		
Sample ID: ICV-1	Initial Calibration Verification Standard								04/14/09 14:26
Cyanide, Total	0.138	mg/L	0.0050	92	90	110			
Method: Kelada mod							Batch: R127811		
Sample ID: LFB-2	Laboratory Fortified Blank								04/14/09 14:26
Cyanide, Total	0.0966	mg/L	0.0050	97	90	110			
Sample ID: MBLK-3	Method Blank								04/14/09 14:30
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B09041186-003BMS	Sample Matrix Spike								04/14/09 14:35
Cyanide, Total	0.108	mg/L	0.0050	108	90	110			
Sample ID: B09041186-003BMSD	Sample Matrix Spike Duplicate								04/14/09 14:37
Cyanide, Total	0.109	mg/L	0.0050	109	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 300.0: Anions

Sample ID: MB MBLK Batch ID: R33201 Analysis Date: 4/10/2009 9:33:04 AM

Fluoride ND mg/L 0.10
 Chloride ND mg/L 0.10
 Nitrogen, Nitrate (As N) ND mg/L 0.10
 Sulfate ND mg/L 0.50

Sample ID: LCS-b

LCS

Batch ID: R33201 Analysis Date: 4/10/2009 10:25:19 AM

Fluoride 0.4954 mg/L 0.10 99.1 90 110
 Chloride 5.184 mg/L 0.10 104 90 110
 Nitrogen, Nitrate (As N) 2.624 mg/L 0.10 105 90 110
 Sulfate 10.48 mg/L 0.50 105 90 110

Method: EPA Method 9067: Total Phenolics

Sample ID: MB-18850 MBLK Batch ID: 18860 Analysis Date: 4/16/2006

Phenolics, Total Recoverable ND µg/L 2.5

Sample ID: LCS-18850

LCS

Batch ID: 18860 Analysis Date: 4/16/2006

Phenolics, Total Recoverable 18.50 µg/L 2.5 92.5 51.7 133

Sample ID: LCSD-18850

LCSD

Batch ID: 18860 Analysis Date: 4/16/2006

Phenolics, Total Recoverable 19.78 µg/L 2.5 98.9 51.7 133 6.68 20

Method: EPA Method 504.1: EDB

Sample ID: MB-18833 MBLK Batch ID: 18833 Analysis Date: 4/14/2009 5:11:04 PM

1,2-Dibromoethane ND µg/L 0.010

Sample ID: LCS-18833

LCS

Batch ID: 18833 Analysis Date: 4/14/2009 5:24:03 PM

1,2-Dibromoethane 0.09600 µg/L 0.010 96.0 70 130

Sample ID: LCSD-18833

LCSD

Batch ID: 18833 Analysis Date: 4/14/2009 5:36:58 PM

1,2-Dibromoethane 0.08900 µg/L 0.010 89.0 70 130 7.57 13.5

Method: EPA Method 8082: PCB's

Sample ID: MB-18816 MBLK Batch ID: 18816 Analysis Date: 4/15/2009 12:40:44 PM

Aroclor 1016 ND µg/L 1.0

Aroclor 1221 ND µg/L 1.0

Aroclor 1232 ND µg/L 1.0

Aroclor 1242 ND µg/L 1.0

Aroclor 1248 ND µg/L 1.0

Aroclor 1254 ND µg/L 1.0

Aroclor 1260 ND µg/L 1.0

Sample ID: LCS-18816

LCS

Batch ID: 18816 Analysis Date: 4/16/2009 3:01:19 PM

Aroclor 1016 4.524 µg/L 1.0 90.5 27.4 132

Aroclor 1260 4.830 µg/L 1.0 96.6 33.6 97.7

Sample ID: LCSD-18816

LCSD

Batch ID: 18816 Analysis Date: 4/15/2009 2:09:51 PM

Aroclor 1016 3.596 µg/L 1.0 71.9 27.4 132 22.9 45.7

Aroclor 1260 4.116 µg/L 1.0 82.3 33.6 97.7 16.0 30

Qualifiers:

E Estimated value

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company

Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8310: PAHs

Sample ID: MB-18811

MBLK

Batch ID: 18811 Analysis Date: 4/15/2009 3:21:25 PM

Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	2.0
2-Methylnaphthalene	ND	µg/L	2.0
Acenaphthylene	ND	µg/L	2.5
Acenaphthene	ND	µg/L	5.0
Fluorene	ND	µg/L	0.80
Phenanthrene	ND	µg/L	0.60
Anthracene	ND	µg/L	0.60
Fluoranthene	ND	µg/L	0.30
Pyrene	ND	µg/L	0.30
Benz(a)anthracene	ND	µg/L	0.070
Chrysene	ND	µg/L	0.20
Benzo(b)fluoranthene	ND	µg/L	0.10
Benzo(k)fluoranthene	ND	µg/L	0.070
Benzo(a)pyrene	ND	µg/L	0.070
Dibenz(a,h)anthracene	ND	µg/L	0.070
Benzo(g,h,i)perylene	ND	µg/L	0.080
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080

Sample ID: LCS-18811

LCS

Batch ID: 18811 Analysis Date: 4/17/2009 1:53:22 PM

Naphthalene	40.55	µg/L	2.0	50.7	31.5	90.7
1-Methylnaphthalene	40.02	µg/L	2.0	49.9	32.5	93.3
2-Methylnaphthalene	41.20	µg/L	2.0	51.5	32.8	89.6
Acenaphthylene	39.72	µg/L	2.5	49.5	37.8	92.4
Acenaphthene	42.72	µg/L	5.0	53.4	38.6	93.9
Fluorene	3.350	µg/L	0.80	41.8	38	95.5
Phenanthrene	1.960	µg/L	0.60	48.8	32.9	107
Anthracene	1.980	µg/L	0.60	49.3	35.2	98.3
Fluoranthene	3.950	µg/L	0.30	49.3	36.4	104
Pyrene	4.320	µg/L	0.30	53.9	37.1	102
Benz(a)anthracene	0.4400	µg/L	0.070	54.9	33.7	101
Chrysene	1.990	µg/L	0.20	49.5	35.2	98.1
Benzo(b)fluoranthene	0.5200	µg/L	0.10	51.9	33.6	94.2
Benzo(k)fluoranthene	0.2700	µg/L	0.070	54.0	25.4	110
Benzo(a)pyrene	0.2700	µg/L	0.070	53.8	26.9	102
Dibenz(a,h)anthracene	0.4900	µg/L	0.070	48.9	40.7	92.1
Benzo(g,h,i)perylene	0.5100	µg/L	0.080	51.0	24.3	109
Indeno(1,2,3-cd)pyrene	0.9700	µg/L	0.080	48.4	42.6	99.9

Sample ID: LCSD-18811

LCSD

Batch ID: 18811 Analysis Date: 4/15/2009 4:01:53 PM

Naphthalene	32.91	µg/L	2.0	41.1	31.5	90.7	20.8	32.1
1-Methylnaphthalene	34.98	µg/L	2.0	43.6	32.5	93.3	13.4	32.7
2-Methylnaphthalene	35.72	µg/L	2.0	44.7	32.8	89.6	14.2	34
Acenaphthylene	39.12	µg/L	2.5	48.8	37.8	92.4	1.52	38.8
Acenaphthene	39.61	µg/L	5.0	49.5	38.6	93.9	7.55	38.6
Fluorene	3.320	µg/L	0.80	41.4	38	95.5	0.900	29.3

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8310: PAHs

Sample ID: LCSD-18811

LCSD

Batch ID: 18811

Analysis Date: 4/15/2009 4:01:53 PM

Phenanthrene	1.730	µg/L	0.60	43.0	32.9	107	12.5	25	
Anthracene	1.890	µg/L	0.60	47.0	35.2	98.3	4.85	23.9	
Fluoranthene	3.710	µg/L	0.30	46.3	36.4	104	6.27	15.7	
Pyrene	4.320	µg/L	0.30	53.9	37.1	102	0	15.3	
Benz(a)anthracene	0.4300	µg/L	0.070	53.6	33.7	101	2.30	19	
Chrysene	1.960	µg/L	0.20	48.8	35.2	96.1	1.52	16.6	
Benzo(b)fluoranthene	0.5200	µg/L	0.10	51.9	33.6	94.2	0	21.7	
Benzo(k)fluoranthene	0.2600	µg/L	0.070	52.0	25.4	110	3.77	19.4	
Benzo(a)pyrene	0.2600	µg/L	0.070	51.8	26.9	102	3.77	16.7	
Dibenz(a,h)anthracene	0.4800	µg/L	0.070	47.9	40.7	92.1	2.06	17.3	
Benzo(g,h,i)perylene	0.5300	µg/L	0.080	53.0	24.3	109	3.85	18	
Indeno(1,2,3-cd)pyrene	1.010	µg/L	0.080	50.4	42.6	99.9	4.04	17.7	

Method: EPA Method 7470: Mercury

Sample ID: MB-18812

MBLK

Batch ID: 18812

Analysis Date: 4/13/2009 5:33:17 PM

Mercury ND mg/L 0.00020

Sample ID: LCS-18812

LCS

Batch ID: 18812

Analysis Date: 4/13/2009 5:35:06 PM

Mercury 0.005417 mg/L 0.00020 108 80 120

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 6010B: Dissolved Metals

Sample ID: 0904161-01DMSD

MSD

Batch ID: R33250

Analysis Date: 4/15/2009 10:08:55 AM

Aluminum	0.5058	mg/L	0.020	101	75	125	2.34	20
Arsenic	0.5006	mg/L	0.020	100	75	125	4.76	20
Barium	0.4891	mg/L	0.020	95.2	75	125	1.72	20
Boron	0.6019	mg/L	0.040	99.2	75	125	1.27	20
Cadmium	0.4995	mg/L	0.0020	99.9	75	125	2.83	20
Chromium	0.4861	mg/L	0.0060	97.2	75	125	3.19	20
Cobalt	0.4870	mg/L	0.0060	97.1	75	125	2.84	20
Copper	0.4893	mg/L	0.0060	96.8	75	125	1.94	20
Lead	0.4885	mg/L	0.0060	97.7	75	125	3.37	20
Molybdenum	0.4958	mg/L	0.0080	98.7	75	125	4.06	20
Nickel	0.4940	mg/L	0.010	97.1	75	125	3.03	20
Selenium	0.5463	mg/L	0.050	109	75	125	0.799	20
Silver	0.4448	mg/L	0.0050	89.0	75	125	3.42	20
Zinc	0.5348	mg/L	0.050	102	75	125	2.45	20

Sample ID: 0904161-01DMSD

MSD

Batch ID: R33250

Analysis Date: 4/15/2009 10:27:07 AM

Manganese	1.941	mg/L	0.010	88.6	75	125	2.81	20
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Sample ID: 0904161-01DMSD

MSD

Batch ID: R

Analysis Date: 4/15/2009 2:25:29 PM

Iron	0.4152	mg/L	0.020	78.5	75	125	0.425	20
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Sample ID: MB

MBLK

Batch ID: R33250

Analysis Date: 4/15/2009 9:59:29 AM

Aluminum	ND	mg/L	0.020					
Arsenic	ND	mg/L	0.020					
Barium	ND	mg/L	0.020					
Boron	ND	mg/L	0.040					
Cadmium	ND	mg/L	0.0020					
Chromium	ND	mg/L	0.0060					
Cobalt	ND	mg/L	0.0060					
Copper	ND	mg/L	0.0060					
Lead	ND	mg/L	0.0050					
Manganese	ND	mg/L	0.0020					
Molybdenum	ND	mg/L	0.0080					
Nickel	ND	mg/L	0.010					
Selenium	ND	mg/L	0.050					
Silver	ND	mg/L	0.0050					
Zinc	ND	mg/L	0.050					

Sample ID: MB

MBLK

Batch ID: R

Analysis Date: 4/15/2009 2:15:52 PM

Iron	ND	mg/L	0.020					
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Sample ID: LCS

LCS

Batch ID: R33250

Analysis Date: 4/15/2009 9:55:54 AM

Aluminum	0.5177	mg/L	0.020	103	80	120		
Arsenic	0.4679	mg/L	0.020	93.6	80	120		
Barium	0.4584	mg/L	0.020	91.7	80	120		
Boron	0.4784	mg/L	0.040	95.7	80	120		
Cadmium	0.4690	mg/L	0.0020	93.8	80	120		
Chromium	0.4690	mg/L	0.0060	93.8	80	120		

Qualifiers:

E Estimated value
 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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 6010B: Dissolved Metals

Sample ID: LCS LCS Batch ID: R33250 Analysis Date: 4/15/2009 9:55:54 AM

Cobalt	0.4458	mg/L	0.0060	89.2	80	120
Copper	0.4443	mg/L	0.0060	88.9	80	120
Lead	0.4633	mg/L	0.0050	92.7	80	120
Manganese	0.4527	mg/L	0.0020	90.5	80	120
Molybdenum	0.4839	mg/L	0.0080	96.1	80	120
Nickel	0.4457	mg/L	0.010	89.1	80	120
Selenium	0.4509	mg/L	0.050	90.2	80	120
Silver	0.4684	mg/L	0.0050	93.6	80	120
Zinc	0.4724	mg/L	0.050	94.5	80	120

Sample ID: LCS LCS Batch ID: R Analysis Date: 4/15/2009 2:18:09 PM

Iron	0.4787	mg/L	0.020	95.7	80	120
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Sample ID: 0904161-01DMS MS Batch ID: R33250 Analysis Date: 4/15/2009 10:05:33 AM

Aluminum	0.4941	mg/L	0.020	98.5	75	125
Arsenic	0.4773	mg/L	0.020	95.5	75	125
Barium	0.4808	mg/L	0.020	93.5	75	125
Boron	0.5943	mg/L	0.040	97.6	75	125
Cadmium	0.4855	mg/L	0.0020	97.1	75	125
Chromium	0.4708	mg/L	0.0060	94.2	75	125
Cobalt	0.4734	mg/L	0.0060	94.4	75	125
Copper	0.4798	mg/L	0.0060	94.9	75	125
Lead	0.4723	mg/L	0.0050	94.5	75	125
Molybdenum	0.4760	mg/L	0.0080	94.8	75	125
Nickel	0.4793	mg/L	0.010	94.1	75	125
Selenium	0.5420	mg/L	0.050	108	75	125
Silver	0.4298	mg/L	0.0050	86.0	75	125
Zinc	0.5219	mg/L	0.050	99.8	75	125

Sample ID: 0904161-01DMS MS Batch ID: R33250 Analysis Date: 4/15/2009 10:23:47 AM

Manganese	1.887	mg/L	0.010	77.8	75	125
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Sample ID: 0904161-01DMS MS Batch ID: R Analysis Date: 4/15/2009 2:23:07 PM

Iron	0.4134	mg/L	0.020	78.2	75	125
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Method: SM2540C MOD: Total Dissolved Solids

Sample ID: 0904161-01CMSD MSD Batch ID: 18825 Analysis Date: 4/15/2009

Total Dissolved Solids	1245	mg/L	20	100	80	120	1.37	20
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Sample ID: 0904161-01CMS MS Batch ID: 18825 Analysis Date: 4/15/2009

Total Dissolved Solids	1228	mg/L	20	98.3	80	120
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Qualifiers:

E Estimated value
 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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R33198 Analysis Date: 4/10/2009 9:10:14 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5mi rb

MBLK

Batch ID: R33198 Analysis Date: 4/10/2009 9:10:14 AM

4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: b11

MBLK

Batch ID: R33198 Analysis Date: 4/11/2009 10:02:08 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0

Qualifiers:

E Estimated value
 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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b11

MBLK

Batch ID: R33198 Analysis Date: 4/11/2009 10:02:08 AM

Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 100ng lcs

LCS

Batch ID: R33198 Analysis Date: 4/10/2009 10:09:45 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: New Mexico Gas Company
 Project: Santa Fe Mainline Replacement Hydrostatic Test

Work Order: 0904161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 100ng lcs LCS Batch ID: R33198 Analysis Date: 4/10/2009 10:09:45 AM

Benzene	19.32	µg/L	1.0	96.6	88	116
Toluene	19.22	µg/L	1.0	96.1	82.9	112
Chlorobenzene	19.26	µg/L	1.0	96.3	71.4	133
1,1-Dichloroethene	19.12	µg/L	1.0	95.6	97.9	140
Trichloroethene (TCE)	18.26	µg/L	1.0	91.3	90.5	112

S

Sample ID: 100ng lcs-II LCS Batch ID: R33218 Analysis Date: 4/13/2009 2:04:35 PM

Benzene	20.61	µg/L	1.0	103	88	116
Toluene	19.42	µg/L	1.0	97.1	82.9	112
Chlorobenzene	18.94	µg/L	1.0	94.7	71.4	133
1,1-Dichloroethene	19.83	µg/L	1.0	99.2	97.9	140
Trichloroethene (TCE)	18.77	µg/L	1.0	93.8	90.5	112

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name NM GAS COMPANY

Date Received:

4/9/2009

Work Order Number 0904161

Received by: AT

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name Client drop-off

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 - Preservation labels on bottle and cap match?	Yes ☒	No ☐	N/A ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐

Container/Temp Blank temperature?

11°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: New Mexico Gas Company

Mailing Address: 7120 Wyoming Blvd NE

Albuquerque NM 87109

Phone #: 505-264-3594

email or Fax#: rebecca.sandoval@nmgco.com

QA/QC Package: nmgco.com

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 4/17/09

Project Name: Santa Fe Mainline replacement
Hydrostatic test

Project #: 01 11 11

Project Manager: Rebecca Sandoval

Sampler: Marcelle Fiedler

☐ On ☒ Off ☐ No

Sample temperature: 11°



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	ANALYSIS REQUEST	BTEX + MTE	BTEX + MTE	TPH Method	TPH (Method	EDB (Method	8310 (PNA c	RCRA 8 Me	Anions (F, Cl	8081 Pesticid	8260B (VOA	8270 (Semi-	*WQCC	Air Bubbles
4/9/09	3:45	Aqueous	Hydrostatic test water from pipe (new)	3-40mL VOAs HCL		-												X	
				1-40mL VOA sodium thiosulfate		-													
				2-1L Amber cool		-													
				1-2L Amber H ₂ SO ₄		-													
				2-500ml HNO ₃		-													
				2-250ml patty NaOH		-													
				1-500ml patty cool		-													
			trip Blank	2-40mL VOAs HCL		- 2													

Date: 4/9/09 Time: 16:52 Relinquished by: Marcelle Muller

Date: Time: Relinquished by:

Received by: [Signature] Date: 4/9/09 Time: 16:52

Received by: Date: Time:

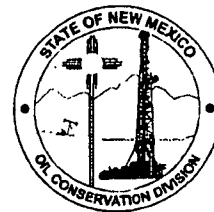
Remarks: * WQCC list AB, +C
without Rad 226 or uranium

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



February 5, 2009

Ms. Marcelle Fiedler
New Mexico Gas Company
7120 Wyoming Blvd. NE Suite 20
Albuquerque, NM 87109
505-697-3516

**RE: Request to Transfer PNM HIP-110 to NMGC for Santa Fe Replacement Pressure Test
New Mexico Gas Company
HIP-110**

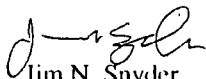
Dear Ms. Fiedler:

The New Mexico Oil Conservation Division (OCD) has reviewed the New Mexico Gas Company (NMGC) request, dated January 30, 2009. OCD has accepted and processed the transfer of HIP-110 to NMGC. OCD recognizes effective January 30, 2009 the Public Service Company of New Mexico (PNM) will sell their gas operations to the NMGC. Included in the sale are all assets related to the Santa Fe Replacement Project in Santa Fe County, New Mexico for which PNM has acquired permit HIP-110 authorizing the discharge of 399,000 gallons of water. The NMGC will be the new owners of the Santa Fe Replacement construction project and will conduct the hydrostatic test. See attachment of HIP-110. NMGC understands and agrees to comply with the terms and conditions of the permit.

Please be advised that approval of this request does not relieve the New Mexico Gas Company of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve New Mexico Gas Company of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3484 or jim.snyder@state.nm.us.

Sincerely,


Jim N. Snyder
Hydrologist

JNS/jns

cc: OCD District IV Office, Santa Fe
attachment: HIP-110





New Mexico GAS COMPANY

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DRIVE
SANTA FE, NEW MEXICO 87505

RECEIVED

2009 JAN 30 PM 12 03

To: To whom it may concern

From: Marcelle Fiedler
Senior Environmental Scientist
New Mexico Gas Company, Inc.
7120 Wyoming, Blvd. NE, Suite 20
Albuquerque, NM 87109
(505) 697-3516
Marcelle.fiedler@nmgco.com

Re: PNM Permit HIP-110 Transfer to NMGC for the Santa Fe Replacement Pressure Test

The purpose of this memo is to record receipt, by the OCD, of the administrative name change for the following PNM Permit HIP-110 Transfer to NMGC for the Santa Fe Replacement Pressure Test from PNM to New Mexico Gas Company (NMGC)

Documents requesting the administrative name change were received on:

Jan 30, 2009 at 12:03 pm

Signed.


Mr. Brad Jones
State of New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



New Mexico GAS COMPANY

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DRIVE
SANTA FE, NEW MEXICO 87505

RECEIVED

HAND DELIVERED

2009 JAN 30 PM 12 03

January 30, 2009

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Permit HIP-110 Transfer to NMGC for the Santa Fe Replacement Pressure Test

Effective January 30, 2009 the Public Service Company of New Mexico (PNM) will sell their gas operations to the New Mexico Gas Company (NMGC). Included in the sale are all assets related to the Santa Fe Replacement Project in Santa Fe County, New Mexico for which PNM has acquired permit HIP-110 authorizing the discharge of 399,000 gallons of water. The NMGC will be the new owners of the Santa Fe Replacement construction project and will conduct the hydrostatic test. NMGC has reviewed the permit and understands and agrees to comply with the terms and conditions of the permit. Attached is a copy of PNM's letter requesting the transfer of the permit to NMGC. The NMGC contact for this permit will be Marcelle Fiedler. Her contact information is:

New Mexico Gas Company Business Center Office
7120 Wyoming Blvd. NE Suite 20
Albuquerque, New Mexico 87109
505-697-3516

The NMGC Director of Engineering & DOT Compliance is Deborah J. Brunt, P.E., 505-697-3585.

If you have any questions, please contact Marcelle Fiedler at 505-697-3516.

Sincerely,

Curtis Winner
Manager of NMGC Land Services

Attachment: PNM request to transfer permit HIP-110

Alvarado Square
Albuquerque, NM 87158-2104
P 505.241.2031
F 505.241.2384
PNMResources.com



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 27, 2009

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Permit HIP-110 Transfer to NMGC for the Santa Fe Replacement Pressure Test

Effective January 30, 2009 the Public Service Company of New Mexico (PNM) will sell their gas operations to the New Mexico Gas Company (NMGC). Included in the sale are all assets related to the Santa Fe Replacement Project in Santa Fe County, New Mexico for which PNM has acquired permit HIP-110 authorizing the discharge of 399,000 gallons of water. The NMGC will be the new owners of the Santa Fe Replacement construction project and will conduct the hydrostatic test. PNM has notified the NMGC about the permit authorizing the discharge of hydrostatic test water. PNM is requesting that OCD transfer permit HIP-110 to the NMGC.

Sincerely,

A handwritten signature in cursive script that reads "Maureen Gannon".

Maureen Gannon
Director Environment and Land Services

Cc: Annette Gardner, President NMGC

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____

dated 1/22/09

or cash received on _____ in the amount of \$ 600⁰⁰

from PXIA

for HIP-110

Submitted by: Lawrence Zorano Date: 2/2/09

Submitted to ASD by: Lawrence Zorano Date: 2/2/09

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____

Modification _____ Other General Permit Fee

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

Alvarado Square
Albuquerque, NM 87158-2104
P 505.241.2031
F 505.241.2384
PNMResources.com



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 26, 2009

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Santa Fe Replacement Project
Permit fee for Hydrostatic Test Discharge Permit – HI-110

Dear Mr. Jones,

Enclosed is a check in the amount of \$600 for PNM's Hydrostatic Test Discharge Permit for the Santa Fe Replacement Project. PNM has completed the public notice requirement NMAC 20.6.2.3108.

Sincerely,

A handwritten signature in black ink, appearing to read "Marcelle Fiedler".

Marcelle Fiedler
Senior Environmental Scientist
Attachment: check
Cc: DCC