# 3R - <u>318</u>

# REPORTS

# DATE: 1998

Public Service Company of New Mexico Alvarado Square MS 0408 Albuquerque, NM 87158

C. Conservation Division

PN

Mr. William Olson

April 2, 1998

Hydrogeologist Oil Conservation Division 2040 So. Pacheco Santa Fe, New Mexico 87505

# RE: 1998 SAN JUAN BASIN ANNUAL GROUNDWATER REPORT

Dear Bill:

PNM is pleased to submit the 1998 Annual Groundwater Report on Unlined Surface Impoundments in the San Juan Basin. Pursuant to PNM's Groundwater Management Program for Unlined Surface Impoundment Closures, the report details the ongoing investigation/remedial activities at unlined surface impoundments having groundwater contamination as identified by PNM. A list of groundwater sites reported in this document is provided below.

Cozzens B1 **Dogie Compressor Station East Pit Dogie Compressor Station North Pit** Florance 32A Florance Z 40 M Florance 44 Florance 47X Florance 124 Hampton 4M Honolulu Loop Line Drip Ice Canyon Drip Jacques 2A Mangum 1E McClanahan 22 McClanahan A2E McCoy Gas Com A1 Miles Federal 1E Miles Federal 1E Drip Randleman 1 Reid 16 Drip Sammons 2 Turner 1A Turner 3

Zachry 18E





PNM plans to request closure of two of the above sites, the Cozzens B1 and the Sammons 2, in our April 30, 1998 filing of the San Juan Pit Closure Reports to the OCD Santa Fe office. If you have any questions regarding the contents of the report, please contact me at (505) 241-2974.

Sincerely, Mauruhala M

Maureen Gannon Project Manager

Attachment

cc: Ingrid Deklau, WFS Denny Foust, OCD-Aztec Office Bill VonDrehle, WFS

98rptltr.doc





### PNM 1998 Groundwater Report

bcc: Colin Adams (w/o analytical results) Kathy Juckes Ron Johnson (w/o analytical results) Mark Sikelianos

98rptltr.doc

# **Groundwater Site Summary Report**

Quarter/Year: 2<sup>nd</sup>/97, 3<sup>rd</sup>/97, 4<sup>th</sup>/97 & 1<sup>st</sup>/98

Operator: Amoco Sec: 27 Twn: 29N Rng: 9 W Unit: M Canyon: Largo

Topo Map: previously submitted Well Completion Diagram: previously submitted Site Map with Groundwater Analysis: Figure 1 Groundwater Contour Map: Figure 2 (August 1997), Figure 3 (November 1997), and Figure 4 (January 1998) Hydrograph: Figure 5 Full Suite- Groundwater Sampling: previously submitted Analytical Results: attached

### **Activities for Previous Year:**

Between December 1996 and August 1997, PNM ceased performing quarterly groundwater sampling at this site after submitting a request for closure due to elevated total dissolved solids (TDS) concentrations (>10000 ppm) in groundwater in all four wells at the site, and PNM's belief that the high TDS was indicative of general background water quality in the local area. OCD denied closure based upon their own test results on groundwater in the Largo Canyon Wash, located approximately 800 feet to the southwest of the well pad. TDS in groundwater beneath the wash was approximately 3000 ppm.

PNM resumed quarterly sampling on August 20, 1997. Subsequent sampling occurred on November 6, 1997 and January 19, 1998. Water levels were measured in the four monitoring wells at the site. PNM conducted groundwater sampling in each well for chemical analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX). Sampling was performed in strict compliance with EPA protocol.

PNM delivered the samples to OnSite Technologies, Farmington, New Mexico. The samples were analyzed for BTEX using EPA Method 8020.

### **Results:**

Figure 1 provides a site map showing benzene, toluene, ethylbenzene and xylenes (BTEX) and a sample portion of total dissolved solids (TDS) analytical data for each monitoring well since groundwater contamination was discovered.

Figure(s) 2, 3 and 4 provide groundwater contour maps for the months of August and November 1997 and January 1998, respectively. The groundwater flow direction is westerly to northwesterly beneath the site. Figure 5 presents a groundwater hydrograph of the site since monitoring began. In each well, the groundwater level has risen over time with the exception of the period between November 1997 and January 1998 when water levels were fairly constant.

### **Further Action:**

PNM will continue to monitor the groundwater gradient and perform quarterly groundwater sampling at the Florance 124.

### Public Service Company of New Mexico - Gas Services Environmental Services Division - Alvarado Square, MS-0408 Albuquerque, NM 87158

### **Contact: Maureen Gannon**

PNMGS: 98gwrpt.doc

Telephone: 505-241-2974

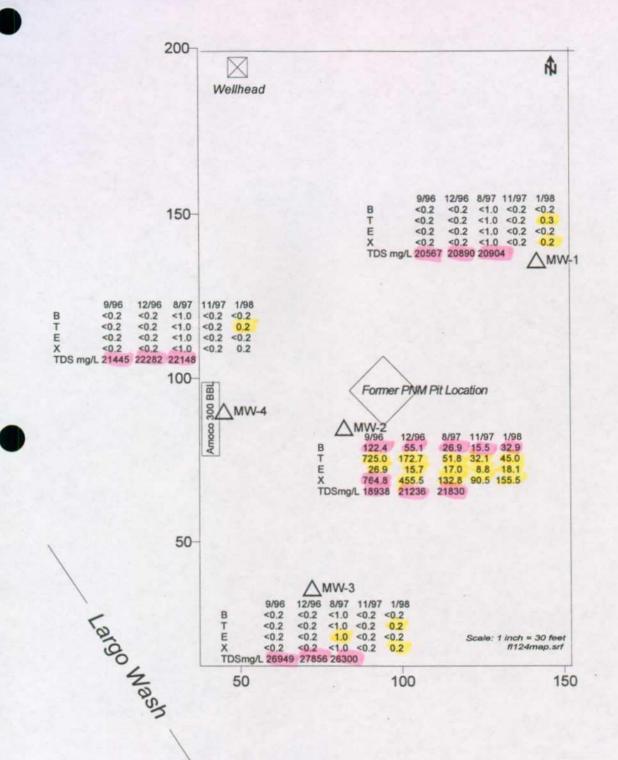


Copies: WFS(1) Operator (1) NMOCD District Office (1) NMOCD Santa Fe (1)

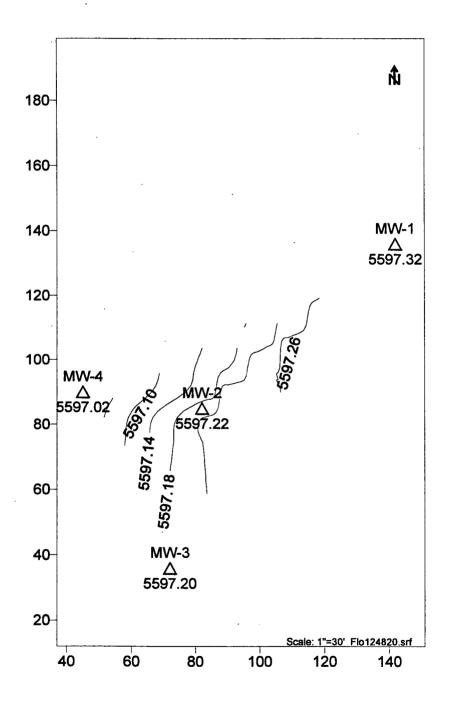
Vulnerable Class: Original OCD Ranking: 30 Lead Agency: NMOCD



Figure 1. Florance 124: Site Map with Analytical Results (concentrations in ppb)









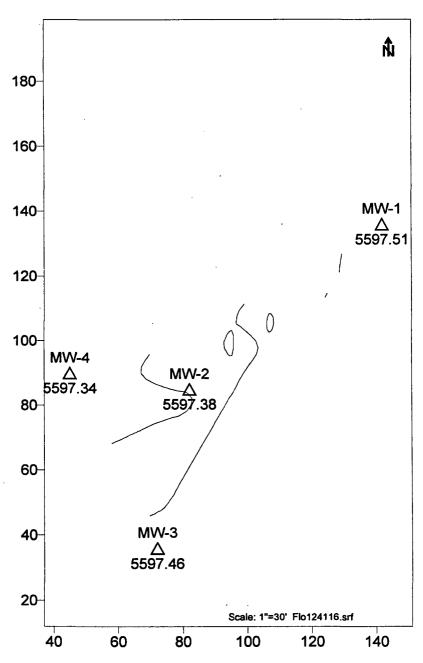


Figure 4. Florance 124 Groundwater Contour Map (January 19, 1998)

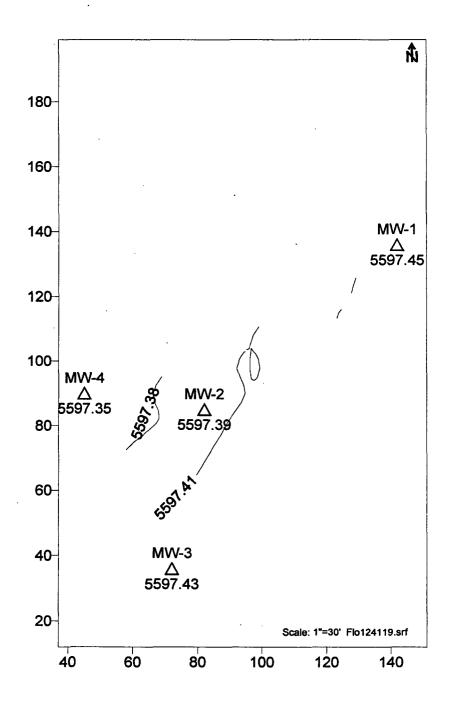
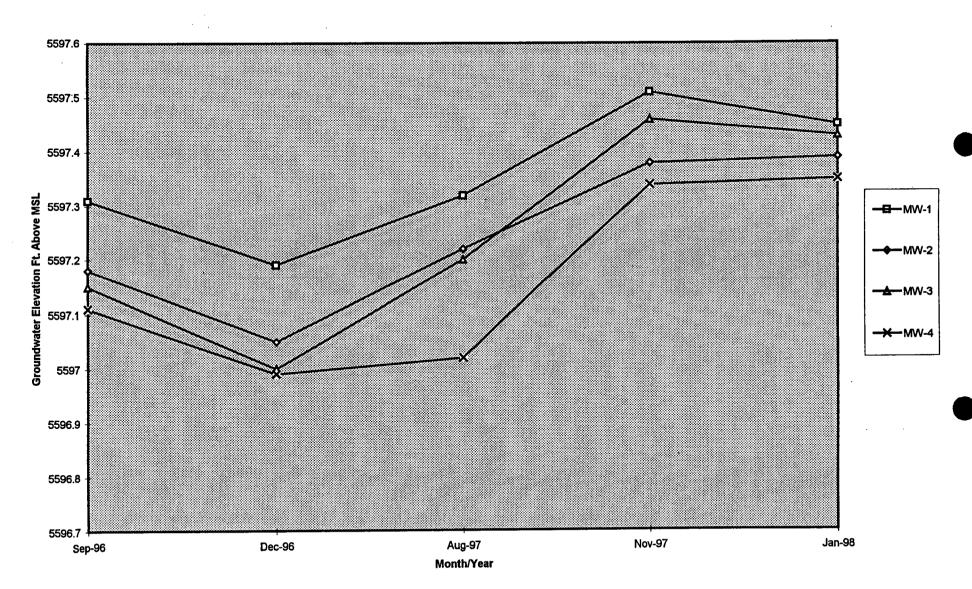
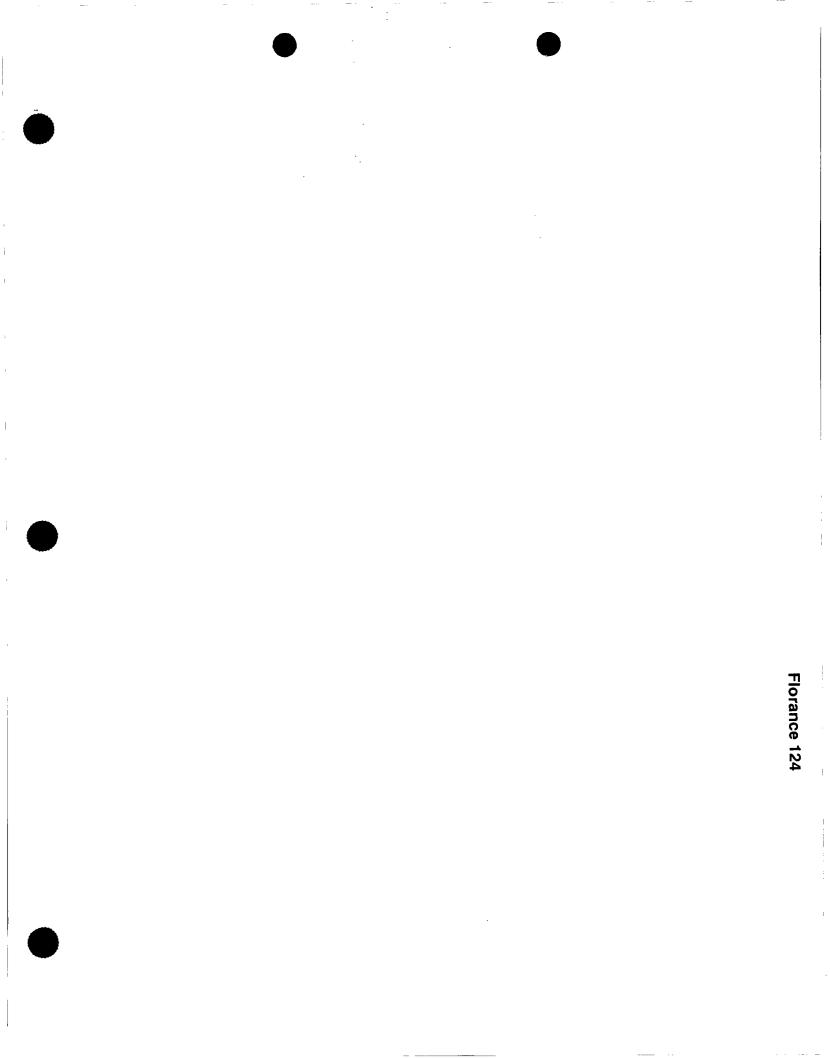


Figure 5. Florance 124 Hydrograph







LAB: (505) 325-1556

TECHNOLOGIES, LTD.

## ANALYTICAL REPORT

Attn: Dei	nver Bearden	Date:	27-Aug-97
Company: PN	M Gas Services	COC No.:	5650
Address: 603	3 W. Elm	Sample No.:	15841
City, State: Far	mington, NM 87401	Job No.:	2-1000
Project Name: Project Location Sampled by: Analyzed by: Sample Matrix:	PNM Gas Service 9708201300; M MG/MS DC Liquid	 20-Aug-97 Time: 22-Aug-97	13:00

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	1.0	ug/L
Toluene		ND	ug/L	1.0	ug/L
Ethylbenzene		ND	ug/L	1.0	ug/L
m,p-Xylene		ND	ug/L	1.0	ug/L
o-Xylene		ND	ug/L	1.0	ug/L
	TOTAL	ND	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: 5/25/97 Date:



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Bearden	Date:	3-Sep-97
Company:	PNM Gas Services	COC No.:	5650
Address:	603 W. Elm	Sample ID.:	15841
City, State	: Farmington, NM 87401	Job No.:	2-1000
Project Nor	mol PNM Gas Sanvions - Elorance 124		

PNM Gas Services - Fl	orance 124		
9708201300; MW-1			
MS/MG	Date:	20-Aug-97 Time:	13:00
HR	Date:	2-Sep-97	
	<b>9708201300; MW-1</b> MS/MG	MS/MG Date:	<b>9708201300; MW-1</b> MS/MG Date: 20-Aug-97 Time:

### Laboratory Analysis

		Results as	Unit of	7	Results as	Unit of	
Parameter		Received	Measure	· ·	Received	Measure	
Cations							
Sodium	Na	5875	mg/L		255.55	me/L	
Calcium	Ca	360	mg/L		17.96	me/L	
Magnesium	Mg	120	mg/L		9.87	me/L	
Potassium	к	25.3	mg/L		0.65	me/L	
Anions							
Chloride	C/	131	mg/L		3.70	me/L	
Sulfate	S04	12752	mg/L		265.49	me/L	
Carbonate	CO3 as CaCO3	< 1	mg/L		< 0.01	me/L	
Bicarbonate	HCO3 as CaCO3	432	mg/L		7.08	me/L	
Hydroxide	OH as CaCO3	< 1	mg/L		< 0.01	me/L	
Total Dissolv	ed Solids						
Calculated, Sur	m of Cation/Anion	19695	mg/L		Cation-Anio	n Balance	_
Total Dissolv	ed Solids				7.77	Difference Catio	n-Anion, me/L
Dried @ 180 C		20904	mg/L	560.30 Total Cation-Anion, me		ion, me/L	
					1.4	% Difference Ca	tion-Anion
рН		7.46					
Conductivity	@ 25 C	22000	uS/cm		Comme	ents	-
Total Hardne	ss as CaCO3	1393	mg/L				

Approved by: Date: 9/4/97



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver E	Rearden		Date:	27-Aug-97
Company:	PNM Gas	s Services		COC No.:	5650
Address:	603 W. I	Elm		Sample No.:	15842
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nan	ne:	PNM Gas Servi	ices - Florance 124		
Project Loca	ation:	9708201330;	MW-2		
Sampled by	<i>י</i> :	MG/MS	Date:	20-Aug-97 Time:	13:30
Analyzed by	y:	DC	Date:	25-Aug-97	
Sample Mat	trix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		26.9	ug/L	0.2	ug/L
Toluene		51.8	ug/L	0.2	ug/L
Ethylbenzene		17.0	ug/L	0.2	ug/L
m,p-Xylene		109.0	ug/L	0.2	ug/L
o-Xylene		33.8	ug/L	0.2	ug/L
	TOTAL	238.5	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 3/28/57

 P.O. BOX 2606 • FARMINGTON, NM 87499

 - To show of the data of Manasara state the Louis compared



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Bearden	Date:	3-Sep-97
Company:	PNM Gas Services	COC No.:	5650
Address:	603 W. Elm	Sample ID.:	15842
City, State	: Farmington, NM 87401	Job No.:	2-1000

Project Name:	PNM Gas Servic	ces - Florance 124		
Project Location:	9708201330;	MW-2		
Sampled by:	MS/MG	Date:	20-Aug-97 Time:	13:30
Analyzed by:	HR	Date:	2-Sep-97	

### Laboratory Analysis

		Results as	Unit of	Results as	Unit of	
Parameter		Received	Measure	Received	Measure	
Cations		0075	_			
Sodium	Na	6375	mg/L	277.30	me/L	
Calcium	Ca	385	mg/L	19.21	me/L	
Magnesium	Mg	126	mg/L	10.37	me/L	
Potassium	ĸ	28.6	mg/L	0.73	me/L	
Anions						
Chloride	C/	116	mg/L	3.27	me/L	
Sulfate	S04	13512	mg/L	281.31	me/L	
Carbonate	CO3 as CaCO3	< 1	mg/L	< 0.01	me/L	
Bicarbonate	HCO3 as CaCO3	550	mg/L	9.01	me/L	
Hydroxide	OH as CaCO3	< 1	mg/L	< 0.01	me/L	
Total Dissolv	ed Solids					
Calculated, Sur	n of Cation/Anion	21093	mg/L	Cation-Anio	n Balance	_
Total Dissolv	ed Solids			14.01	Difference Catio	n-Anion, me/L
Dried @ 180 C		21830	mg/L	L 601.21 Total Cation-Anion, m		ion, me/L
				2.3	% Difference Ca	tion-Anion
pН		7.45			~	
Conductivity	@ 25 C	22600	uS/cm	Comme	ents	
Total Hardne	ss as CaCO3	1480	mg/L	· · · · · · · · · · · · · · · · · · ·		-

Approved by: Date: 9/4/97



LAB: (505) 325-1556

TECHNOLOGIES, LTD.

# ANALYTICAL REPORT

Attn:	Denver E	Bearden		Date:	27-Aug-97
Company:	PNM Gas	s Services		COC No.:	5650
Address:	603 W. I	Elm		Sample No.:	15843
City, State:	: Farmingt	on, NM 87401		Job No.:	2-1000
<b>D</b> :					
Project Nan	ne:	PNM Gas Servi	ces - Florance 124		
Project Loc	ation:	9708201400;	MVV-3		
Sampled by	<i>'</i> :	MG/MS	Date:	20-Aug-97 Time:	14:00
Analyzed by	y:	DC	Date:	22-Aug-97	
Sample Ma	trix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	1.0	ug/L
Toluene		ND	ug/L	1.0	ug/L
Ethylbenzene		ND	ug/L	1.0	ug/L
m,p-Xylene		ND	ug/L	1.0	ug/L
o-Xylene		ND	ug/L	1.0	ug/L
	TOTAL	ND	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 8/28/57



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Bearden	Date:	3-Sep-97
Company:	PNM Gas Services	COC No.:	5650
Address:	603 W. Elm	Sample ID.:	15843
City, State	: Farmington, NM 87401	Job No.:	2-1000

Project Name:	PNM Gas Services - F	lorance 124		
Project Location:	9708201400; MW-3			
Sampled by:	MS/MG	Date:	20-Aug-97 Time:	14:00
Analyzed by:	HR	Date:	2-Sep-97	

### Laboratory Analysis

		Results as	Unit of	Results as	Unit of	
Parameter		Received	Measure	Received	Measure	
Cations						
Sodium	Na	7000	mg/L	304.48	me/L	
Calcium	Ca	373	mg/L	18.61	me/L	
Magnesium	Mg	170	mg/L	13.99	me/L	
Potassium	к	32.5	mg/L	0.83	me/L	
Anions						
Chloride	— сі	125	mg/L	3.53	me/L	
Sulfate	S04	13630	mg/L	283.77	me/L	
Carbonate	CO3 as CaCO3	< 1	mg/L	< 0.01	me/L	
Bicarbonate	HCO3 as CaCO3	473	mg/L	7.75	me/L	
Hydroxide	OH as CaCO3	< 1	mg/L	< 0.01	me/L	
Total Dissolv	ed Solids					
Calculated, Sui	m of Cation/Anion	21804	mg/L	Cation-Anic	on Balance	
Total Dissolv	ed Solids			42.87	Difference Catio	– on-Anion, me/L
Dried @ 180 C		26300	mg/L	632.97	Total Cation-Ar	ion. me/L
				6.8	% Difference Co	ation-Anion
pН		7.37				
Conductivity	@ 25 C	26300	uS/cm	Comm	ents	_
Total Hardne	ss as CaCO3	1631	mg/L			—

Approved by: 9/4/97 Date:



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver E	Bearden		Date:	27-Aug-97
Company:	PNM Gas	s Services		COC No.:	5650
Address:	603 W.	Elm		Sample No.:	15844
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nam	ne:	PNM Gas Servi	ces - Florance 124		
Project Loca	ation:	9708201430;	MW-4		
Sampled by	:	MG/MS	Date:	20-Aug-97 Time:	14:30
Analyzed by	<i>'</i> :	DC	Date:	22-Aug-97	
Sample Mat	rix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	1.0	ug/L
Toluene		ND	ug/L	1.0	ug/L
Ethylbenzene		ND	ug/L	1.0	ug/L
m,p-Xylene		ND	ug/L	1.0	ug/L
o-Xylene		ND	ug/L	1.0	ug/L
	TOTAL	ND	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 378 177

ON SITE TECHNOLOGIES, LTD.

OFF: (505) 325-5667

LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Bearden	Date:	3-Sep-97
Company:	PNM Gas Services	COC No.:	5650
Address:	603 W. Elm	Sample ID.:	15844
City, State	: Farmington, NM 87401	Job No.:	2-1000

Project Name:	PNM Gas Servic	ces - Florance 124		
Project Location:	9708201430;	MW-4		
Sampled by:	MS/MG	Date:	20-Aug-97 Time:	14:30
Analyzed by:	HR	Date:	2-Sep-97	

### Laboratory Analysis

		Results as	Unit of	Results as	Unit of	
Parameter		Received	Measure	Received	Measure	
Cations						
Sodium	Na	5900	mg/L	256.64	me/L	
Calcium	Ca	385	mg/L	19.21	me/L	
Magnesium	Mg	127	mg/L	10.45	me/L	
Potassium	к	28.1	mg/L	0.72	me/L	
Anions						
Chloride	CI	117	mg/L	3.30	me/L	
Sulfate	S04	13097	mg/L	272.67	me/L	
Carbonate	CO3 as CaCO3	<1	mg/L	< 0.01	me/L	
Bicarbonate	HCO3 as CaCO3	492	mg/L	8.06	me/L	
Hydroxide	OH as CaCO3	< 1	mg/L	< 0.01	me/L	
Total Dissolv		20140				
	m of Cation/Anion	20146	mg/L	Cation-Anio		• •• • • • • • • • • • • • • • • • • •
Total Dissolved Solids Dried @ 180 C		22148	mg/L		Difference Catio Total Cation-An	
		22140	mg/L		% Difference Ca	
pН		7.51		0.5	Jo Difference Cu	non-Amon
Conductivity	@ 25 C	23100	uS/cm	Comme	ents	_
Total Hardne	ss as CaCO3	1484	mg/L			-

Approved by:

9/4/97 Date:

# P.O. BOX 2606 • FARMINGTON, NM 87499

- TLEHNEL OF BLENDING INDUSTRY WITH THE ENVIRENMENT -



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver E	Rearden		Date:	27-Aug-97
Company:	PNM Gas	s Services		COC No.:	5650
Address:	603 W. I	Elm		Sample No.:	15845
City, State	: Farmingt	on, NM 87401		Job No.:	2-1000
Project Nar	ne:	PNM Gas Serv	ices - Florance 124		
Project Loc		9708201500;	MW-5		
Sampled by	/:	MG/MS	Date:	20-Aug-97 Time:	15:00
Analyzed b	y:	DC	Date:	22-Aug-97	
Sample Ma	trix:	Liquid			

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	ND	ug/L	1.0	ug/L
Toluene	ND	ug/L	1.0	ug/L
Ethylbenzene	ND	ug/L	1.0	ug/L
m,p-Xylene	ND	ug/L	1.0	ug/L
o-Xylene	ND	ug/L	1.0	ug/L
TO	TAL ND	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: S/28/17



LAB: (505) 325-1556

# QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 22-Aug-97

Internal QC No.: 0527-STD Surrogate QC No.: 0528-STD Reference Standard QC No.: 0529/30-QC

Method Blank

		Unit of
Parameter	Result	Measure
Average Amount of All Analytes In Blank	< 1.0	ppb

### **Calibration Check**

Parameter	Unit of Measure	True Value	Analyzed Value	RPD	Limit
		74.20			
Benzene	ppb	20.0	19.7	2	15%
Toluene	ppb	20.0	20.4	2	15%
Ethylbenzene	ppb	20.0	20.6	3	15%
m,p-Xylene	ppb	40.0	39.4	2	15%
o-Xylene	ppb	20.0	20.4	2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	Limit
Benzene	96	91	(39-150)	3	20%
Toluene	100	97	(46-148)	3	20%
Ethylbenzene	100	97	(32-160)	3	20%
m,p-Xylene	96	93	(35-145)	3	20%
o-Xylene	99	96	(35-145)	2	20%

### Surrogate Recoveries

	\$1	S2 ·		S1	S2
	Percent	Percent		Percent	Percent
Laboratory Identification	Recovered	Recovered	Laboratory Identification	Recovered	Recovered
Limit Percent Recovered	(70-130)		Limit Percent Recovered	(70-130)	
15841-5650	97				
15843-5650	96				
15844-5650	96				
15845-5650	96				
				br	(ne)
				8/29/97	8/28/97

S1: Flourobenzene



LAB: (505) 325-1556

# QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 25-Aug-97

Internal QC No.: 0527-STD Surrogate QC No.: 0528-STD Reference Standard QC No.: 0529/30-QC

Method Blank

		Unit of
Parameter	Result	Measure
Average Amount of All Analytes In Blank	< 0.2	ppb

### Calibration Check

0	Unit of	True	Analyzed Value	RPD	Limit
Parameter	Measure	Value	Value	RPD	
Benzene	ppb	20.0	19.5	3	15%
Toluene	ppb	20.0	20.4	2	15%
Ethylbenzene	ppb	20.0	20.7	3	15%
m,p-Xylene	ppb	40.0	39.5	1	15%
o-Xylene	ppb	20.0	20.5	2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	Limit
Benzene	98	89	(39-150)	3	20%
Toluene	99	97	(46-148)	2	20%
Ethylbenzene	99	96	(32-160)	3	20%
m,p-Xylene	96	94	(35-145)	3	20%
o-Xylene	98	96	(35-145)	2	20%

### Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered	Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovered	(70-130)		Limit Percent Recovered	(70-130)	
15842-5650	88			· · · · · · · · · · · · · · · · · · ·	
				JIR,	(R) Shelef

S1: Flourobenzene

### P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BEENDING INCONTRACTION FOR THE ENDING -



LAB: (505) 325-1556

L

**QUALITY ASSURANCE REPORT** 

Cation/Anion Balance

Date: 2-Sep-97

### **Quality Control Sample**

	Laboratory	True	Analyzed	Unit of	·	Limit
Parameter	Identification	Value	Value	Measure	% Diff	% Diff
Sodium, Na	0451-QC	2.32	2.31	mg/L	0	10
Calcium, Ca	0465-QC	2.18	2.22	mg/L	2	10
Magnesium, Mg	0465-QC	1.14	1.23	mg/L	8	10
Potassium, K	0451-QC	1.33	1.34	mg/L	1	10
Chloride, Cl	0437-QC	200	207	mg/L	4	10
Sulfate, SO4	0541-QC	78	81	mg/L	4	10
Alkalinity	0541-QC	159	167	mg/L	5	10
pH	0541-QC	9.13	9.29		2	10
Conductivity	0541-QC	740	735	uS/cm	-1	15
Total Dissolved Solids, 180C	0541-QC	642	622	uS/cm	-3	15

### Matrix Spike

	Laboratory	Analyzed	Matrix	Spike	Unit of	Spike
Parameter	Identification	Value	Spike	Value	Measure	Recovery
Sodium, Na	15843-5650	1.40	0.50	1.93	mg/L	102%
Calcium, Ca	15843-5650	1.86	0.50	2.50	mg/L	106%
Magnesium, Mg	15853-5652	0.81	0.50	1.36	mg/L	104%
Potassium, K	15853-5652	1.46	0.50	2.00	mg/L	102%

### Method Blank

Parameter	Laboratory Identification	Analyzed Value	Unit of Measure
Sodium, Na	LF-Blank	<0.2	mg/L
Calcium, Ca	LF-Blank	<0.05	mg/L
Magnesium, Mg	LF-Blank	< 0.05	mg/L
Potassium, K	LF-Blank	<0.05	mg/L
Chloride, Cl	LF-Blank	<3 X DL	mg/L
Sulfate, SO4	LF-Blank	< 1	mg/L
Conductivity	LF-Blank	<2	uS/cm

(pe) WR 9/4/97 9/4/97

### P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLING REDUCTION TO ATTACK TO A CONTRACT



CHAIN OF CUSEDDY RECORD

Date: 8-20-97

●650 \_of\_\_/\_\_\_ Page \_\_\_

657 W. Maple • P. O. Box 2606 • Farmington NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256

ſ	Purchas	e Order No.:		Job No.					Name		Mauree	n Gannon		Title	
Γ		Name	Denver Bearden					S TC	Compar	лу	PNM Ga	s Service	S		
		Company	PNM Gas Services		Dept. 32	24-3763		REPORT IESULTS TO	Mailing	Address	Alverad	o Square,	Mail Sto	op 0408	
l	NN I	Address	603 W. Elm Street					BESE	City, Sta	ate, Zip	Albuque	erque, NM	87158		
		City, State, Zip	Farmington, NM 87	401					Telepho	one No.	505-848	505-848-2974 Telefax No.			
	Samplin	g Location:										ANALYSIS		ERTED	
	F	FLORAN	CE 124					er of ners		70/				777	
	Sampler J	4. Sikelia	ins / MGa			<b>1</b>	r	Number of Containers		A COLORING	2.03				
		SA		DATE	19	MATRIX	PRES.		6	3					LAB ID
Ĺ	1708	3201300	MUEL	8/20/0	WWW.	420	Ha	3	X	×					159+1-5650
$\mathcal{H}$	9708	320 1330	MWZ			   _ i _ ·		3	× 2	×					15842-1
	9 <b>708</b>	20 1400	MW3					<u></u>		X					158-13-
	9706	8201430	MWY	↓	₩	<u> </u>	<b>v</b>	3		X					15844-
	9708	820 1500	MWS	6-70	<del>47</del> —	HZO	Hee	HU	- X						15845- V
								MC							
		, <u>, , , , , , , , , , , , , , , , , , </u>													
													_		
-															
									<u> </u>						
	Relinqui	ished by: 11(1	und haman		Date/Time	8-20-4	7	Rece	eived by:	/-¥	r¥			Date/	Time 42017 1540
	Relinqui	ished by:			Date/Time	· · · · · ·		Rece	eived by:	$\cup$		·····		Date/	Time
	Relinqui	ished by:	······································		Date/Time		<u> </u>	1	eived by:					Date/	
	Method	of Shipment:						Rust	ר	24-	48 Hours	10 Work	ing Days	Special Ins	
	Authoriz	zed by:(	Client Signature Must Acco	mpany Request)	_ Date	-20-9	7	-						1	ults to be sent oth parties.

Distribution: White - On Site Goldenrod – Client Yellow – LAB PINK - Sampler

HAT SAMDLE



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver B	earden		Date:	17-Nov-97
Company:	PNM Gas	Services		COC No.:	7082
Address:	603 W. E	-Im		Sample No.:	16792
City, State:	: Farmingto	on, NM 87401		Job No.:	2-1000
Project Nan	ne:	PNM Gas Se	ervices - Florance 124		
Project Loc	ation:	971106133	0; MW-1		
Sampled by	/:	MG	Date:	6-Nov-97 Time:	13:30
Analyzed by	y:	DC	Date:	12-Nov-97	
Sample Ma	trix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	0.2	ug/L
Toluene		ND	ug/L	0.2	ug/L
Ethylbenzene		ND	ug/L	0.2	ug/L
m,p-Xylene		ND	ug/L	0.2	ug/L
o-Xylene		ND	ug/L	0.2	ug/L
	TOTAL	ND	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

. .

Approved By: Date: 11/17/97

P.O. BOX 2606 • FARMINGTON, NM 87499

. . .



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver B	Rearden		Date:	17-Nov-97
Company:	PNM Gas Services			COC No.:	7082
Address:	603 W. Elm			Sample No.:	1 <b>6</b> 792
City, State: Farmington, NM 87401				Job No.:	2-1000
Project Name: PNM Gas Services - Florance 124					
Project Loca	ation:	9711061330;	MW-1		
Sampled by	:	MG	Date:	6-Nov-97 Time:	13:30
Analyzed by	/:	HR	Date:	17-Nov-97	
Sample Mat	rix:	Liquid			

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Dissolved Solids. TDS	1130	10	mg/L	EPA Method 160.1

### Quality Assurance Report

Quality Control Sample

		True	Analyzed	Unit of		Limit
Parameter	LAB ID No.	Value	Value	Measure	RPD	RPD
Total Dissolved Solids	0563-STD	732	788	mg/L	7	10

**Duplication** 

Laboratory Identification	RPD	Limit RPD
16830-6576	12.8	15.0

Approved by: Date: 11/17/97



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn: /	Denver Bearden	Date:	17-Nov-97
Company: /	PNM Gas Services	COC No.:	7082
Address: 6	603 W. Elm	Sample No.:	16793
City, State: /	Farmington, NM 87401	Job No.:	2-1000
Project Name Project Locat Sampled by: Analyzed by: Sample Matri	tion: <b>9711061400; MW-2</b> MG Date: DC Date:	<b>24</b> 6-Nov-97 Time: 12-Nov-97	14:00

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	15.5	ug/L	0.2	ug/L
Toluene	32.1	ug/L	0.2	ug/L
Ethylbenzene	8.8	ug/L	0.2	ug/L
m,p-Xylene	64.0	ug/L	0.2	ug/L
o-Xylene	26.5	ug/L	0.2	ug/L
ΤΟΤΑΙ	146.9	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 11/17/97

P.O. BOX 2606 • FARMINGTON, NM 87499

Sample Matrix:



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Bearden			Date:	17-Nov-97
Company:	PNM Gas Services			COC No.:	7082
Address:	603 W. Elm			Sample No.:	16793
City, State:	Farmington	n, NM 87401	Job No.:	2-1000	
Project Name: PNM Gas Services - Florance 124					
Project Location: 9711061400; MV.'-2					
Sampled by:	:	MG	Date:	6-Nov-97 Time:	14:00
Analyzed by	:	HR	Date:	17-Nov-97	

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Dissolved Solids, TDS	700	10	mg/L	EPA Method 160.1

Quality Assurance Report

Quality Control Sample

Liquid

		True	Analyzed	Unit of		Limit
Parameter	LAB ID No.	Value	Value	Measure	RPD	RPD
Total Dissolved Solids	0563-STD	732	788	mg/L	7	10

DuplicationLaboratory IdentificationLimit16830-657612.815.0

Approved by: 11/17/97 Date:



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:Denver BeardenCompany:PNM Gas ServicesAddress:603 W. ElmCity, State:Farmington, NM 87401				Date: COC No.: Sample No.: Job No.:	17-Nov-97 7082 16794 2-1000
Project Name: <i>PNM Gas Services - Florance 124</i> Project Location: <i>9711061430; MW-3</i>					
Sampled by	:	MG	Date:	6-Nov-97 Time:	14:30
Analyzed by	<i>'</i> :	DC	Date:	12-Nov-97	
Sample Mat	rix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	0.2	ug/L
Toluene		ND	ug/L	0.2	ug/L
Ethylbenzene		ND	ug/L	0.2	ug/L
m,p-Xylene		0.2	ug/L	0.2	ug/L
o-Xylene		ND	ug/L	0.2	ug/L
	TOTAL	0.2	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: 11/17 197 Date:

P.O. BOX 2606 • FARMINGTON, NM 87499

\* A set of the set

Sample Matrix:



LAB: (505) 325-1556

## ANALYTICAL REPORT

Attn:	Denver Bearden			Date:	17-Nov-97
Company:	PNM Gas	Services		COC No.:	7082
Address:	603 W. El	m		Sample No.:	16794
City, State: Farmington, NM 87401				Job No.:	2-1000
Project Name: PNM Gas Services - Florance 124			vices - Florance 124		
Project Location: 9711061430; MW-3					
Sampled by:	:	MG	Date:	6-Nov-97 Time:	14:30
Analyzed by	:	HR	Date:	17-Nov-97	

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Dissolved Solids, TDS	26900	10	mg/L	EPA Method 160.1

### Quality Assurance Report

Quality Control Sample

Liquid

		True	Analyzed	Unit of		Limit
Parameter	LAB ID No.	Value	Value	Measure	RPD	RPD
Total Dissolved Solids	0563-STD	732	788	mg/L	7	10

 Duplication
 Limit

 Laboratory Identification
 RPD
 RPD

 16830-6576
 12.8
 15.0

Approved by: Date: 11/17/97

P.O. BOX 2606 • FARMINGTON, NM 87499

•••• •••



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver E	Bearden		Date:	17-Nov-97
Company:	PNM Gas	s Services		COC No.:	7082
Address:	ddress: 603 W. Elm			Sample No.:	<b>16795</b>
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nam	ne:	PNM Gas Se	ervices - Florance 124		
Project Loca	ation:	971106150	0; MW-4		
Sampled by	:	MG	Date:	6-Nov-97 Time:	15:00
Analyzed by	/:	DC	Date:	12-Nov-97	
Sample Mat	rix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	0.2	ug/L
Toluene		ND	ug/L	0.2	ug/L
Ethylbenzene		ND	ug/L	0.2	ug/L
m,p-Xylene		ND	ug/L	0.2	ug/L
o-Xylene		ND	ug/L	0.2	ug/L
	TOTAL	ND	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 11/17/97



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Be	earden		Date:	17-Nov-97
Company:	PNM Gas	Services		COC No.:	7082
Address:	603 W. E	ilm		Sample No.:	16795
City, State:	Farmingto	on, NM 87401		Job No.:	2-1000
Project Nam	ne:	PNM Gas Servi	ices - Florance 124		
Project Loca	ation:	9711061500;	MV√-4		
Sampled by	:	MG	Date:	6-Nov-97 Time:	15:00
Analyzed by	/:	HR	Date:	17-Nov-97	
Sample Mat	rix:	Liquid			

Laboratory Analysis

Parameter	Results as Limit of Received Quantitation		Unit of Measure	Method	
Total Dissolved Solids, TDS	22300	10	mg/L	EPA Method 160.1	

### Quality Assurance Report

Quality Control Sample

		True	Analyzed	Unit of		Limit
Parameter	LAB ID No.	Value	Value	Measure	RPD	RPD
Total Dissolved Solids	0563-STD	732	788	mg/L	7	10

**Duplication** 

Laboratory Identification	RPD	Limit RPD	
16830-6576	12.8	15.0	

Approved by: Jac 11/17/97 Date:



LAB: (505) 325-1556

# **QUALITY ASSURANCE REPORT**

for EPA Method 8020

Date Analyzed: 12-Nov-97

 Internal QC No.:
 0559-STD

 Surrogate QC No.:
 0556-STD

 Reference Standard QC No.:
 0529/30-QC

Method Blank

		Unit of
Parameter	Result	Measure
Average Amount of All Analytes In Blank	< 0.2	ppb

### **Calibration Check**

Parameter	Unit of Measure	True Value	Analyzed Value	 RPD	Limit
Benzene	ppb	20.0	19.7	1	15%
Toluene	ppb	20.0	20.4	2	15%
Ethylbenzene	ppb	20.0	20.6	3	15%
m,p-Xylene	ppb	40.0	39.3	2	15%
o-Xylene	ppb	20.0	20.7	4	15%

Matrix Spike

	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	RPD	Limit
Benzene	96	103	(39-150)	3	20%
Toluene	99	113	(46-148)	7	20%
Ethylbenzene	97	101	(32-160)	2	20%
m,p-Xylene	94	99	(35-145)	2	20%
o-Xylene	95	99	(35-145)	2	20%

### Surrogate Recoveries

	S1 Percent	S2 Percent		S1 Percent	S2 Percent
Laboratory Identification	Recovered	Recovered	Laboratory Identification	Recovered	Recovered
Limit Percent Recovered	(70-130)		Limit Percent Recovered	(70-130)	
16792-7082	95				<u> </u>
16793-7082	87				
16794-7082	95				
16795-7082	95				
				diR,	(re).
				11/24/97	11/17/97

S1: Flourobenzene

### P.O. BOX 2606 • FARMINGTON, NM 87499

- Testen is the Brenegrad to the one of the met Eleanna cover th







of *i* Page:

612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase	Order No.:		Job No.					10	Name	1		Maur	een G	annon	Т	itle			
ш	Name	Denver Bearden						E S	Comp	any		PNM	Gas S	ervice	S			<del>_</del>	-
	Company	PNM Gas Services		Dept.	324-3763	3		REPORT SULTS	Mailin	g Addr	ess	Alver	ado S	quare,	Mail S	Stop 04	408		
SEND INVOICE TO	Address	603 W. Elm Street						REPOR ESULTS	City, S	State, Z	lip.	Albu	querqu	Je, NM	87158	3			
L	City, State, Zip	Farmington, NM 87	401						Telept	none N	0.	505-8	48-29	74	Т	elefax	No.	····	
Sampling Location:																			
1 21	JLORANCE 12.4					to si	ANALYSIS REQUESTED												
1							ine l				/	/					/ /	,	
Sampler: Müuren Váanan						Number of Containers			5/	/ /	/ /	/ /	/ /	/ /	/ /				
	SAMPLE	DENTIFICATION		DATE	APLE TIME	MATRIX	PRES.		/ A									LA	B ID
9711	06 1330	MWI				HZC	HG	3	×	X								16792-	· 7052
9711	06 400	mwz		ļ				3	×	X								16793-	• 1
9711	061430					4	$  \mathbf{v}  $	3_	×	X-								16794-	
971	1061500	mart				HEC	Hip	3	ĸ	K								16795-	. /
	· · · · · · · · · · · · · · · · · · ·								ļ										
			<u> </u>																
				· · · · · · · · · · · · · · · · · · ·															
	· · · · · · · · · · · · · · · · ·				ļ											<u> </u>			
					ļ											<u> </u>			
																<b> </b>			
Relinquish	ad by: Maria			Date/	[ [ime_]](	I		Receiv	ed by:					L		L	ato/Tin		100
Relinquish	ed by:	un toman		Date/1	Time	2/97-1	530	Receiv		- <del>(``}</del>	4						ate/Tin	10/1/6/17	<u>w</u>
				Date/1				Receiv					<u></u>				ate/Tin		
					Rush		24	-48 Hoi	JIS	110 W	Iorkina	Davs			ictions:				
											10 110			Juniy	Juyo	545010			
Authorize	Authorized by: <u>Mauricaitiana</u> Date <u>II-06-977</u> (Client Signatore <u>Must</u> Accompany Request) Date <u>II-06-977</u> to both parties.																		
L				Notribution: M				<del></del>						_					

Sample Matrix:



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver Bea	arden		Date:	23-Jan-98
Company:	PNM Gas S	Services		COC No.:	7134
Address:	603 W. Eln	n		Sample No.:	17366
City, State:	Farmington	, NM 87401		Job No.:	2-1000
Project Nan	ne:	PNM Gas Services -	Florance 124		
Project Loc	ation:	9801191011; MW-	-1		
Sampled by	<i>/</i> :	RD	Date:	19-Jan-98 Time:	10:11
Analyzed b		DC	Date:	21-Jan-98	

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	0.2	ug/L
Toluene		0.3	ug/L	0.2	ug/L
Ethylbenzene		ND	ug/L	0.2	ug/L
m,p-Xylene		0.3	ug/L	0.2	ug/L
o-Xylene		ND	ug/L	0.2	ug/L
	TOTAL	0.5	ug/L		

ND - Not Detected at Limit of Quantitation

Liquid

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 2/2



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver B	Rearden		Date:	23-Jan-98
Company:	PNM Gas	s Services		COC No.:	7134
Address:	603 W. I	Elm		Sample No.:	17367
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nam			ervices - Florance 124		
Project Loca	ation:	<i>98011910</i> 3	31; MW-2		
Sampled by:	:	RD	Date:	19-Jan-98 Time:	10:31
Analyzed by	<i>'</i> :	DC	Date:	21-Jan-98	
Sample Mat	rix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		32.9	ug/L	0.2	ug/L
Toluene		45.2	ug/L	0.2	ug/L
Ethylbenzene		18.1	ug/L	0.2	ug/L
m,p-Xylene		114.1	ug/L	0.2	ug/L
o-Xylene		41.4	ug/L	0.2	ug/L
	TOTAL	251.5	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: 2/2/98 Date:



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver B	learden		Date:	23-Jan-98
Company:	PNM Gas	Services		COC No.:	7134
Address:	603 W. L	Im		Sample No.:	17368
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nan	ne:	PNM Gas Ser	vices - Florance 124		
Project Loca	ation:	9801191046	; MW-3		
Sampled by	<i>/</i> :	RD	Date:	19-Jan-98 Time:	10:46
Analyzed by	y:	DC	Date:	21-Jan-98	
Sample Mar	trix:	Liquid			

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	ND	ug/L	0.2	ug/L
Toluene	0.2	ug/L	0.2	ug/L
Ethylbenzene	ND	ug/L	0.2	ug/L
m,p-Xylene	0.2	ug/L	0.2	ug/L
o-Xylene	ND	ug/L	0.2	ug/L
τοτλ	al 0.4	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 2/2/98

### P.O. BOX 2606 • FARMINGTON, NM 87499

The second strategy is a second s



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver E	Bearden		Date:	23-Jan-98
Company:	PNM Gas	s Services		COC No.:	7134
Address:	603 W. I	Elm		Sample No.:	17369
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nam	ne:	PNM Gas Se	ervices - Florance 124		
Project Loca	ation:	980119110	3; MW-4		
Sampled by	:	RD	Date:	19-Jan-98 Time:	11:03
Analyzed by	/:	DC	Date:	21-Jan-98	
Sample Mat	trix:	Liquid			

Parameter	·····	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/L	0.2	ug/L
Toluene		0.2	ug/L	0.2	ug/L
Ethylbenzene		ND	ug/L	0.2	ug/L
m,p-Xylene		0.2	ug/L	0.2	ug/L
o-Xylene		ND	ug/L	0.2	ug/L
	TOTAL	0.4	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 2/2/98

## P.O. BOX 2606 • FARMINGTON, NM 87499

- The second second second second second



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn:	Denver B	Rearden		Date:	23-Jan-98
Company:	PNM Gas	s Services		COC No.:	7134
Address:	603 W. I	Elm		Sample No.:	17370
City, State:	Farmingt	on, NM 87401		Job No.:	2-1000
Project Nam	ne:	PNM Gas Se	ervices - Florance 124		
Project Loca	ation:	980119112	1; MW-5		
Sampled by	:	RD	Date:	19-Jan-98 Time:	11:21
Analyzed by	/:	DC	Date:	21-Jan-98	
Sample Mat	rix:	Liquid			

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		21.2	ug/L	0.2	ug/L
Toluene		30.7	ug/L	0.2	ug/L
Ethylbenzene		12.4	ug/L	0.2	ug/L
m,p-Xylene		72.1	ug/L	0.2	ug/L
o-Xylene		26.0	ug/L	0.2	ug/L
	TOTAL	162.4	ug/L		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved By: Date: 2 /2 /98

# P.O. BOX 2606 • FARMINGTON, NM 87499

 Reserve a state of the second sec second sec



LAB: (505) 325-1556

# **QUALITY ASSURANCE REPORT**

for EPA Method 8020

Date Analyzed: 21-Jan-98

Internal QC No.: 0559-STD Surrogate QC No.: 0567-STD Reference Standard QC No.: 0529/30-QC

Method Blank

		Unit of
Parameter	Result	Measure
Average Amount of All Analytes In Blank	< 0.2	ppb

### Calibration Check

Parameter	Unit of Measure	True Value	Analyzed Value	RPD	Limit		
Benzene	ppb	30.0	30.6	2	15%		
Toluene	ppb	30.0	30.8	3	15%		
Ethylbenzene	ppb	30.0	31.4	5	15%		
m,p-Xylene	ppb	60.0	59.7	0	15%		
o-Xylene	ppb	30.0	31.1	4	15%		

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	Limit		
Benzene	102	92	(39-150)	2	20%		
Toluene	108	105	(46-148)	2	20%		
Ethylbenzene	108	105	(32-160)	3	20%		
m,p-Xylene	104	102	(35-145)	3	20%		
o-Xylene	1.10	107	(35-145)	2	20%		

### Surrogate Recoveries

	S1 Percent	S2 Percent		S1 Percent	S2 Percent
Laboratory Identification	Recovered	Recovered	Laboratory Identification	Recovered	Recovered
Limit Percent Recovered	(70-130)		Limit Percent Recovered	(70-130)	
17366-7134	101				
17367-7134	92				
17368-7134	102				
17369-7134	102				
17370-7134	92			212	(ne,
				1/26/95	2/2/95

\$1: Flourobenzene

		СЦА				P,	חר	VI			סו					7	4	
TECHN	ON SI NOLOGIES, LTD.	612 E. Murphy I		2606 • Fa	rmington, 1	NM 87	•	<u>9   98</u>			חו	U	Ρ	age: _	1	of		
Purchase	Order No.:	Job No	).	···· •			۲ ۲	Name			Maure	en G	annon	Ti	itle		<u> </u>	
	Name Denver Bearden									PNM Gas Services								
SEND INVOICE TO	Company PNM Gas Services Dept. 324-3763					REPORT ESULTS	Mailing Address		s	Alverado Square, Mail Stop 0408								
SEND VVOICI TO	Address	603 W. Elm Street	<b>I</b>				REI				Albuquerque, NM 87158				8	······································		
" <u>Z</u>	City, State, Zip	Farmington, NM 87401	<u> </u>				ä								Felefax No.			
Sampling Location:					of rs			ANALYSIS REQUES				STED			-			
Sampler:	Dedrich	124 L					Number of Containers	[st	100 P	/	/	7	Γ	Γ				
	SAMPLE II	DENTIFICATION	SAN DATE	TIME	MATRIX	PRES.		18	/ /			/						D
1801	191011	MWI	1/19/98	1011	1120	11-<1	1	X						[	1	Í	17366-7	134
	191031	med 2	1/19/98	1031		ΗČΪ	1	$\mathbf{X}$									17367-	1
9801	191046	14107	1/19/70	1046		IKI	1	X									17368-	
7801	191103	mwy	1/19/98			14((	1	X									17369-	
9801	191121	mws	1/19/98	1121	H20	142 (	_1										17370-	
Relinguish	ed by: D- il		Date/T	ime ///	kn 14	-29	Receiv	red by:	-X-	~	L		L	L	ـــــــــــــــــــــــــــــــــــــ	L )ate/Tir	ne 1/10/00/	579
Relinquish		Magun .	Date/Time //ic/tg 1529				Received by: ()			<u></u>					Date/Time 1/19/98/579 Date/Time			
Relinquish			Date/Time				Received by:						Date/Time					
	Method of Shipment:				Rush						ictions:							
Authorized by: Read DD in Date 1/17/75. (Client Signature Must Accompany Request)				ink - Samp		enrod - Clier								s to be sent oth parties.				