# HIP - 96

## GENERAL CORRESPONDENCE

YEAR(S): 2005



#### COVER LETTER

June 16, 2005

Richard Duarte El Paso Natural Gas Company 8645 Railroad Drive El Paso, TX 79904 TEL: (505) 831-7763 FAX

RE: Gallup District

Order No.: 0506140

Dear Richard Duarte:

Hall Environmental Analysis Laboratory received 2 samples on 6/16/2005 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business)Manager Nancy McDuffie, Laboratory Manager



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

CLIENT:	El Paso Natural Gas (	Company		Cli	ent Sample ID:	#1	
Lab Order:	0506140				Collection Dat	e: 6/15/2	2005 7:20:00 PM
Project:	Gallun District					0, 10, 1	
Lab ID.					Matri	x. AOIT	FOUS
Lab ID:	0506140-01	· · · · · · · · · · · · · · · · · · ·				<b></b> AQU	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 3	00.0: ANIONS						Analyst: MAP
Fluoride		1.8	0.50		mg/L	5	6/16/2005
Chloride		26	0.50		mg/L	5	6/16/2005
Nitrogen, Nitrite	(As N)	ND	0.50		mg/L	5	6/16/2005
Bromide		ND	2.5		mg/L	5	6/16/2005
Nitrogen, Nitrate	(As N)	1.2	0.50		mg/L	5	6/16/2005
Phosphorus, Ort	hophosphate (As P)	ND	2.5		mg/L	5	6/16/2005
Sulfate		210	2.5		mg/L	5	6/16/2005
EPA METHOD 3	10.1: ALKALINITY						Analyst: MAP
Alkalinity, Total (	As CaCO3)	170	2.0		mg/L CaCO3	1	6/16/2005
Carbonate		ND	2.0		mg/L CaCO3	1	6/16/2005
Bicarbonate		170	2.0		mg/L CaCO3	1	6/16/2005
EPA METHOD 8	260: VOLATILES						Analyst: KTM
Benzene		8.8	2.0		µg/L	2	6/16/2005
Toluene		37	2.0		µg/L	2	6/16/2005
Ethylbenzene		5.1	2.0		µg/L	2	6/16/2005
Methyl tert-butyl	ether (MTBE)	ND	2.0		µg/L	2	6/16/2005
1,2,4-Trimethylb	enzene	20	2.0		µg/L	2	6/16/2005
1,3,5-Trimethylb	enzene	7.3	2.0		µg/L	2	6/16/2005
1,2-Dichloroetha	ne (EDC)	ND	2.0		µg/L	2	6/16/2005
1,2-Dibromoetha	ine (EDB)	ND	2.0		µg/L	2	6/16/2005
Naphthalene		5.8	4.0		µg/L	2	6/16/2005
1-Methylnaphtha	lene	ND	8.0		µg/L	2	6/16/2005
2-Methylnaphtha	lene	ND	8.0		µg/L	2	6/16/2005
Acelone		ND	20		µg/L	2	6/16/2005
Bromobenzene		ND	2.0		µg/L	2	6/16/2005
Bromochloromet	hane	ND	2.0		µg/L	2	6/16/2005
Bromodichlorom	ethane	9.8	2.0		μα/L	2	6/16/2005
Bromoform		9.4	2.0		ug/L	2	6/16/2005
Bromomethane		ND	4.0		μα/L	2	6/16/2005
2-Butanone		ND	20		ha/r	2	6/16/2005
Carbon disulfide		ND	20		uo/L	2	6/16/2005
Carbon Tetrachl	oride	ND	2.0		μ <b>α</b> /L	2	8/18/2005
Chlorobenzene		ND	2.0		10/l	2	6/16/2005
Chloroethane		ND	4.0		μ <b>α</b> /Ι	2	6/16/2005
Chloroform		6.3	20		10/l	2	6/16/2005
Chloromethane		ND	20		µg/l	2	6/16/2005
2-Chlorotoluene		ND	20		P9/-	2	6/16/2005
4-Chlorotoluene		ND	20		uo/l	~ 2	8/16/2005
ris-1 2-DCE			2.0		10/l	2	6/16/2005
cis-1,3-Dichloron	ropene	ND	2.0		ругс µg/L	2	6/16/2005
Qualifiers	ND - Not Detected at the R	norting [ imit		c	- Snike Recovery r	utside acce	nted recovery limits

J - Analyte detected below quantitation limits

計算法 图标

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B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

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S - Spike Recovery outside accepted recovery limits

Date: 16-Jun-05

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Page 1 of 5

### CLIENT:El Paso Natural Gas CompanyLab Order:0506140

Lab Order:0506140Project:Gallup District

Lab ID: 0506140-01

Date: 16-Jun-05

#### Client Sample ID: #1 Collection Date: 6/15/2005 7:20:00 PM

Matrix: AQUEOUS

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
1,2-Dibromo-3-chloropropane	ND	4.0	µg/L	2	6/16/2005
Dibromochloromethane	16	2.0	µg/L	2	6/16/2005
Dibromomethane	ND	4.0	μg/L	2	6/16/2005
1,2-Dichlorobenzene	ND	2.0	µg/L	2	6/16/2005
1,3-Dichlorobenzene	ND	2.0	μց/∟	2	6/16/2005
1,4-Dichlorobenzene	ND	2.0	μg/L	2	6/16/2005
Dichlorodifluoromethane	ND	2.0	µg/L	2	6/16/2005
1,1-Dichloroethane	ND	2.0	µg/∟	2	6/16/2005
1,1-Dichloroethene	ND	2.0	µg/L	2	6/16/2005
1,2-Dichloropropane	ND	2.0	µg/L	2	6/16/2005
1,3-Dichloropropane	ND	2.0	µg/L	2	6/16/2005
2,2-Dichloropropane	ND	2.0	µg/L	2	6/16/2005
1,1-Dichloropropene	ND	2.0	µg/L	2	6/16/2005
Hexachlorobutadiene	ND	2.0	µg/L	2	6/16/2005
2-Hexanone	ND	20	µg/L	2	6/16/2005
lsopropylbenzene	ND	2.0	µg/L	2	6/16/2005
4-isopropyitoluene	ND	2.0	μg/L	2	6/16/2005
4-Methyl-2-pentanone	ND	20	µg/L	2	6/16/2005
Methylene Chloride	ND	6.0	µg/L	2	6/16/2005
n-Butylbenzene	ND	2.0	µg/L	2	6/16/2005
n-Propylbenzene	3.4	2.0	µg/L	2	6/16/2005
sec-Butylbenzene	ND	2.0	hð\r	2	6/16/2005
Styrene	ND	2.0	µg/L	2	6/16/2005
tert-Butylbenzene	ND	2.0	µg/L	2	6/16/2005
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2	6/16/2005
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	2	6/16/2005
Tetrachioroethene (PCE)	ND	2.0	μg/L	2	6/16/2005
trans-1,2-DCE	ND	2.0	µg/L	2	6/16/2005
trans-1,3-Dichtoropropene	ND	2.0	µg/L	2	6/16/2005
1,2,3-Trichlorobenzene	ND	2.0	µg/L	2	6/16/2005
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2	6/16/2005
1,1,1-Trichloroethane	ND	2.0	μg/L	2	6/16/2005
1,1,2-Trichloroethane	ND	2.0	μg/L	2	6/16/2005
Trichloroethene (TCE)	ND	2.0	ha/r	2	6/16/2005
Trichlorofluoromethane	ND	2.0	µg/L	2	6/16/2005
1,2,3-Trichloropropane	ND	4.0	µg/L	2	6/16/2005
Vinyl chloride	ND	2.0	µg/L	2	6/16/2005
Xylenes, Total	47	2.0	µg/L	2	6/16/2005
Surr: 1,2-Dichloroethane-d4	96.7	80-120	%REC	2	6/16/2005
Surr: 4-Bromofluorobenzene	99.1	80-120	%REC	2	6/16/2005
Surr: Dibromofluoromethane	96.3	80-120	%REC	2	6/16/2005
Surr: Toluene-d8	95.2	80-120	%REC	2	6/16/2005

Qualifiers:

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits E - Value above quantitation range

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ND - Not Detected at the Reporting Limit

CLIENT:	El Paso Natural Gas Cor	npany	(	Client Sample ID:	# <b>I</b>	
Lab Order:	0506140			Collection Date	e: 6/15/2	2005 7:20:00 PM
Project:	Gallup District					
Lab ID:	0506140-01			Matri	K: AQU	EOUS
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed
EPA 120.1: SP	ECIFIC CONDUCTANCE					Analyst: MAP
Specific Condu	stance	890	0.010	µmhos/cm	1	6/16/2005
EPA 6010C: HA	ARDNESS CALCULATION					Analyst: NMO
Hardness (As C	aCO3)	180	5.0	mg/L	5	6/16/2005 9:32:41 AM
EPA METHOD	6010C: DISSOLVED META	LS				Analyst: NMO
Arsenic		0.32	0.10	mg/L	5	6/16/2005 9:32:41 AM
Barium		2.8	0.10	mg/L	5	6/16/2005 9:32:41 AM
Boron		1.1	0.20	mg/L	5	6/16/2005 9:32:41 AM
Cadmium		ND	0.010	mg/L	5	6/16/2005 9:32:41 AM
Calcium		62	5.0	mg/L	5	6/16/2005 9:32:41 AM
Chromium		0.13	0.030	mg/L	5	6/16/2005 9:32:41 AM
Copper		2.0	0.030	mg/L	5	6/16/2005 9:32:41 AM
Iron		140	2.0	mg/L	100	6/16/2005 9:29:41 AM
Lead		0.10	0.025	mg/L	5	6/16/2005 9:32:41 AM
Magnesium		5.3	5.0	mg/L	5	6/16/2005 9:32:41 AM
Manganese		3.1	0.010	mg/L	5	6/16/2005 9:32:41 AM
Potassium		ND	5.0	mg/L	5	6/16/2005 9:32:41 AM
Selenium		ND	D.10	mg/L	5	6/16/2005 9:32:41 AM
Silicon		18	4.0	mg/L	5	6/16/2005 9:32:41 AM
Silver		ND	0.025	mg/L	5	6/16/2005 9:32:41 AM
Sodium		140	5.0	mg/L	5	6/16/2005 9:32:41 AM
Zinc		6.1	0.50	mg/L	10	6/16/2005 9:11:59 AM
Silica		38	4.0	mg/L	5	6/16/2005 9:32:41 AM
EPA METHOD	150.1: PH					Analyst: MAP
pH		7.73	0.010	pH units	1	6/16/2005

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Qualifiers:

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- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

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- \* Value exceeds Maximum Contaminant Level
- S Spike Recovery outside accepted recovery limits

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Date: 16-Jun-05

- R RPD outside accepted recovery limits
- E Value above quantitation range

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Lab Order:	0506140			C	ollection I	Date:	
Project:	Gallup District						
Lab ID:	0506140-02				Ma	trix: TRIP	BLANK
Analyses		Result	PQL	Qual U	Inits	DF	Date Analyzed
EPA METHOD	8260: VOLATILES						Analyst: KTM
Benzene		ND	1.0	h	g/L	1	6/16/2005
Toluene		ND	1.0	μ	g/L	1	6/16/2005
Elhylbenzene		ND	1.0	μ	g/L	1	6/16/2005
Methyl tert-buty	/l ether (MTBE)	ND	1.0	μ	g/L	1	6/16/2005
1,2,4-Trimethyl	benzene	ND	1.0	μ	g/L	1	6/16/2005
1,3,5-Trimethyl	benzene	ND	1.0	р.	g/L	1	6/16/2005
1,2-Dichloroeth	ane (EDC)	ND	1.0	μ	g/L	1	6/16/2005
1,2-Dibromoeth	ane (EDB)	ND	1.0	p	g/L	1	6/16/2005
Naphthalene		ND	2.0	Ц	g/L	1	6/16/2005
1-Methylnaphth	alene	ND	4.0	ju ju	a/L	1	6/16/2005
2-Methylnaphth	аlеле	ND	4.0	 Ц	a/L	1	6/16/2005
Acelone		ND	10	μ.	g/L	1	6/16/2005
Bromobenzene		ND	1.0	цı	g/L	1	6/16/2005
Bromachlorome	ethane	ND	1.0	י י על	⊂ q/L	1	6/16/2005
Bromodichloror	nethane	ND	1.0	 u	g/L	1	6/16/2005
Bromoform		ND	1.0	 Ц	g/L	1	6/16/2005
Bromomethane	•	ND	2.0	μ	g/L	1	6/16/2005
2-Bulanone		ND	10	μ. μ	g/L	1	6/16/2005
Carbon disulfid	e	ND	10	μ	- g/L.	1	6/16/2005
Carbon Tetrach	loride	ND	1.0	 Ц	a/L	1	6/16/2005
Chiorobenzene		ND	1.0	110	o/L_	1	6/16/2005
Chloroethane		ND	2.0	LIC LIC	a/L	1	6/16/2005
Chloroform		ND	1.0		o/L	1	6/16/2005
Chloromethane	1	ND	1.0		a/L	1	6/16/2005
2-Chlorotoluen	e	ND	1.0	 10	a/L	1	6/16/2005
4-Chlorotoluen	9	ND	1.0		3/L	1	6/16/2005
cis-1,2-DCE		ND	1.0		5/L	1	6/16/2005
cis-1,3-Dichloro	propene	ND	1.0		3/L	1	6/16/2005
1.2-Dibromo-3-	chloropropane	ND	2.0		a/L	1	6/16/2005
Dibromochloror	nelhane	ND	1.0		o/L	1	6/16/2005
Dibromometha	ne	ND	2.0		a/L	1	6/16/2005
1.2-Dichlorober	izene	ND	1.0		p.— π/L	1	6/16/2005
1.3-Dichlorober	IZENE	ND	1.0		יים אר	1	6/16/2005
1.4-Dichlorober	nzene	ND	1.0		a/− a/L	1	6/16/2005
Dichlorodifluor	methane	ND	1.0			1	6/16/2005
1.1-Dichloroeth	ane	ND	10	P:	9, 7/1		6/16/2005
1.1-Dichloroeth	ene	ND	1.0	94 11	 ⊐/I.	, 1	6/16/2005
1.2-Dichloropro	oane	ND	10	11	 n/l.	1	6/16/2005
1.3-Dichloropro	nane	ND	10		ar⊷ ⊐/}	1	6/16/2005
2.2-Dichlaropro	nane	ND	1.0		yı⊷ ∿(l	1	6/16/2005
1.1-Dichloropro	nene	ND	10	117 117	ar⊶ ⊐/	1	6/16/2005
in a concepte	· · · · · · · · · · · · · · · · · · ·	1900	1.0	μι			

El Paso Natural Gas Company

CLIENT:

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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µg/L

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

1 S - Spike Recovery outside accepted recovery limits

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Date: 16-Jun-05

Client Sample ID: Trip Blank

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 4 of 5

#### **CLIENT:** El Paso Natural Gas Company Lab Order: 0506140

Date: 16-Jun-05

#### Client Sample ID: Trip Blank **Collection Date:**

**Project:** Gallup District Lab ID:

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0506140-02

Matrix: TRIP BLANK

Analyses	Result	PQL Qı	al Units	DF	Date Analyzed	
Hexachlorobutadiene	ND	1.0	μg/L	1	6/16/2005	
2-Hexanone	ND	10	µg/L	1	6/16/2005	
Isopropylbenzene	ND	1.0	µg/L	1	6/16/2005	
4-Isopropyltoluene	ND	1.0	µg/L	1	6/16/2005	
4-Methyl-2-pentanone	ND	10	µg/L	1	6/16/2005	
Methylene Chloride	ND	3.0	µg/L	1	6/16/2005	
n-Butylbenzene	ND	1.0	µg/L	1	6/16/2005	
n-Propylbenzene	ND	1.0	µg/L	1	6/16/2005	
sec-Bulylbenzene	ND	1.0	µg/L	1	6/16/2005	
Styrene	ND	1.0	µg/L	1	6/16/2005	
tert-Butylbenzene	ND	1.0	µg/L	1	6/16/2005	
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	6/16/2005	
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	1	6/16/2005	
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	6/16/2005	
trans-1,2-DCE	ND	1.0	µg/L	1	6/16/2005	
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	6/16/2005	
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	6/16/2005	
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	6/16/2005	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	6/16/2005	
1,1,2-Trichloroethane	ND	1.0	μg/L	1	6/16/2005	
Trichloroethene (TCE)	ND	1.0	μg/L	1	6/16/2005	
Trichlorofluoromethane	ND	1.0	µg/L	1	6/16/2005	
1,2,3-Trichloropropane	ND	2.0	μg/L	1	6/16/2005	
Vinyl chloride	ND	1.0	µg/L	1	6/16/2005	
Xylenes, Total	ND	1.0	µg/L	1	6/16/2005	
Surr: 1,2-Dichloroethane-d4	96.9	80-120	%REC	1	6/16/2005	
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	6/16/2005	
Surr: Dibromofluoromethane	103	80-120	%REC	1	6/16/2005	
Surr: Toluene-d8	94.6	80-120	%REC	1	6/16/2005	

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range

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Hall Enviro	nmental Analysis Laborat	tory				ĺ			Date: 10	5-Jun-05	
CLIENT: Work Order:	El Paso Natural Gas Company 0506140							QC SUN	AMAR	Y REPC	)RT
Project:	Gallup District									Method F	3 lank
Sample ID: MBLK	Batch ID: R15710	Test Code:	E300	Units: mg/L		Analysis	: Date: 6/16/20	J05	Prep Dz	ite:	
Client ID:		Run ID:	LC_050616A			SeqNo:	372239				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	047%	RPDLimit	Qual
Fluoride	QN	0.1					A the second		- 4/4		and the second second
Chloride	QN	0.1									
Nitrogen, Nitrite (A.	DN (N s	0.1									
Bromide	DN	0.5									
Nitrogen, Nitrale (/	ND ND ND	0.1									
Prosphorus, Ortho Sulfate	phosphate (As P) NU ND	0.5 0.5									
Sample ID: MBLK	Batch ID: R15707	Test Code:	E310.1	Units: mg/L CaCO	5	Analysis	Date: 6/16/20	105	Preo Da	le:	
Client ID:		Run ID:	WC_050616A			SeqNo:	37229		-		
Analyte	Result	Par	SPK value	SPK Ref Val	%REC	LawLimit	HighLimit R	Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As	CaCO3) ND	2									
Carbonafe	ON .	2									
Bicarbonate	DN	5									
Qualifiers:	ND - Not Detected at the Reporting Limit		S - Spil	ke Recovery autside act	cepted recor	very limits	́Ш	- Analyte detected	in the associa	ited Method B	lank
	J - Analyte detected below quantitation lim	lits	R - RPI	D outside accepted reco	wery limits						-

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	R - RDD mitrida accounted concern limite	nite	lvte detected below quantifation lin	J - Ana.
B - Analyte detected in the associated Method Blank	S - Spike Recovery outside accepted recovery limits		ot Detected at the Reporting Limit	ualifiers: ND - N
		-	QN	-1,3-Dichloraprapene
		-	ND	-1,2-DCE
		-	QN	Chlorotoluene
		*	QZ	Chlorotaluene
		- *	N N	lloromethane
		- 13		Noroethane
		<del></del>	QN	llorobenzene
		7	ÛZ	arbon Tetrachloride
		10	DN	ırbon disulfide
		10	QN	Butanone
		7	DN	omomethane
		-	QN	amoform
		***	QN	omodichloromethane
		**	QN	omochloromethane
		-	DN	omobenzene
		10	an	tetone
		4	QN	Methylnaphthalene
		4	QN	Methylnaphthalene
		~ ~		aphthalene
		· •	QN	2-Dibromoethane (EDB)
		÷	QN	2-Dichloroethane (EDC)
			ON	3,5-Trimethylbenzene
		-	Q	2,4-Trimethylbenzene
		<b>r</b>	BE) ND	ethyl tert-butyl ether (MT
		-	QN	hylbenzene
		*-	QN	luene
		<b>-</b>	Q	апзепе
HighLimit RPD Ref Val %RPD RPDLimit Qual	SPK value SPK Ref Val %REC LowLimit F	Pal	Result	alyte
372225	VAL_050615B SeqNo:	Run ID:		ient ID:
Date: 6/16/2005 Prep Date:	:: SW8260B Units: µg/L Analysis D	Test Code:	Batch (D: R15704	ample ID: 5 ML RB-B
			up District	roject: Gall
Mothed Dlant-			5140	Vork Order: 0500
OC SUMMARY REPORT			aso Natural Gas Company	LIENT: EI P

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CLILINT:         FI Presonnation         CONMARY REPORT           Voit Orter:         Gilly District.         Method Blank           Voit Orter:         Gilly District.         Method Blank           Proper:         Gilly District.         Method Blank           Ustonometheme         No         2	£	R - RPD outside accepted recovery limits	w quantitation limits	J - Analyte detected belov	
CLINITY:         GENAMINA Gas Company with Order:         Order Olds           Monto Tota:         36140         Monto Tota:         Monto Tota:           Monto Tota:         36140         Monto Tota:         Monto Tota:           Monto Tota:         36140         Monto Tota:         Monto Tota:           Monto Tota:         Galiup Distrit.         Monto Tota:         Motto Distrit.           Monto Mon	B - Analyte detected in the ussociated Method Blank	S - Spike Recovery outside accepted recovery limits	Reporting Limit	ND - Not Detected at the	Qualifiers:
CLINITY:         E Paso Natural Gas Company Wont Order:         Deso Natural Gas Company Mont Order:         Open Company Second Second Secon			QN	hane	1,1,2-Trichloroet
CLUENT:         Flave Mantal Gas Company         QC SUMMARY REPORT           CLUENT:         E Men Mantal Gas Company         QC SUMMARY REPORT           Pojet:         Galip District         Method Blank           Pojet:         Galip District         Method Blank           I - Districtorente         Mot         Method Blank           Districtorente         Mot         Method Blank           La Colonebrane         Mot         Method Blank           Districtorente         Mot         Method Blank           Districorente         Mot <td></td> <td></td> <td>UN DN</td> <td>hane</td> <td>1,1,1-Trichloroetl</td>			UN DN	hane	1,1,1-Trichloroetl
CLLENT:         Filse Nutral Gas Company         QC SUMMARY REPORT           Derivert:         506.400         Antical Gas Company         QC SUMMARY REPORT           Project:         Galip District.         Method Blank           I2-Dumen-3-electorpate         No         2           Dumon-dense         No         2         Method Blank           22-Defendencement         NO         2         Method Blank           22-Defendencement         NO         2         Method Blank           22-Defendencement         NO         1         Method Blank           23-Defendencement         NO         1         Method Blank           12-Defendencement         NO         1         Method Blank           22-Defendencement         NO         1         Method Blank           13-Defendencement         NO         1         Method Bl			QN	anzene	1,2,4-Trichlorobe
CLUENT:         El Paso Natual Gas Company         QC SUMMARK REPORT           Nort Otat:         305101         Anter Cluent         Method Blank           Nort Otat:         Glaup District.         Anter Cluent         Method Blank           13-Dismo-chronomethene         NO         1         Method Blank           14-Dismo-chronomethene         NO         1         Method Blank           15-Dismo-chronomethene         NO         1         Method Blank </td <td></td> <td></td> <td>DN</td> <td>anzene</td> <td>1,2,3-Trichlarobe</td>			DN	anzene	1,2,3-Trichlarobe
CLUENT:         El Paso Natual Gas Company Aret Octact         COLUENT         COLUENT           Nort Octact         30501         Actact         Method Blank           Pojer:         Glafib Blanc         Method Blank         Method Blank           Tablomo-s-holonopalen         NO         2         Method Blank           Domonechonorelane         NO         2         Method Blank           Domonechonorene         NO         2         Method Blank           La Dehonorene         NO         2         Method Blank           La Dehonorene         NO         1         Method Blank           La Dehonorene         NO         1         1			DN T	opropene	trans-1,3-Dichlor
CLUENT:     El Paso Natural Gas Company     QC SUMMARY REPORT       Mort Order:     3606140     Amerid Gas Company     Morto Mart Order:       Pojer:     Galiup District     Mort Order:     Mort Order:       Pojer:     Galiup District     Mort Order:     Mort Order:       12.Diomno-statomethane     NO     1     Mort Order:       Diomnortenane     NO     1     Mort Order:       Diomortenane     NO     1     Mort Order:       Diomortenane     NO     1     Mort Order:       Diomortenane     NO     1     1			UD UD		Irans-1,2-DCE
CLURNT:     El Paso Matural Gas Company       Wort Order:     30610       Wort Order:     Allon       Denomediane     ND     2       Denomediane     ND     3			QN	le (PCE)	Tetrachloroethen
CLURNT:     El Paso Matural Gas Company       Wart Order:     536140       Wart Order:     536160       Wart Order:     536160       Wart Order:     536160       Wart Order:     Addres       Salab District.     Method Blank       Zalbono-3-blocopona     ND     2       Distromostane     ND     2       Distromostane     ND     2       Distromostane     ND     2       Distromostane     ND     1       Jabelhootistane     ND    1       Jabelhootista			DN DN	sroethane	1,1,2,2-Tetrachlc
CLIENT:     El Paso Natural Gas Ompany       Oart Order:     GGUMMARY REPORT       Mort Order:     GGUMMARY REPORT       Nort Order:     GGUMMARY REPORT       Mort Order:     GGUMMARY       Mort Order:     Mort Order       Distribution     Mort Order       Distribution     Mort Order       Mort Order     Mort Order <td></td> <td></td> <td>DN DN</td> <td>sroethane</td> <td>1,1,1,2-Tetrachlc</td>			DN DN	sroethane	1,1,1,2-Tetrachlc
CLIENT:     El Paso Natural Gas Ompany     QC SUMMARY REPORT       Wort Order:     506140     Method       Wort Order:     506140     Method       Wort Order:     6306140     Method       2.2 Demo-3-choopropane     ND     2       Duromortene     ND     1       Duromortene     ND				e	tert-Butylbenzen
CLIENT:     El Paso Natural Gas Company Arris Order:     OCCULIENT:       Norte Order:     3016140       Morte Order:     3016140       Morte Order:     3016140       Morte Order:     3016140       Morte Order:     Adult District       Alter Order:     Adult District       Alter Order:     Norte Order:       Alter Order:     Adult District       Alter Order:     Norte Order:			DN		Styrene
CLLENT:     El Paso Natural Gas Company       Wort: Order:     District       Mort: Order:     District       Prof: Callup District     Method Blank       Prof: Callup District     Method Blank       It-Dibrobarent     ND     2       District     ND     2       Attornettarie     ND     2       District     Method Blank       Attornettarie     ND     2       District     2       Attornettarie     ND     1       District     2       Attornettarie     ND     1       District     2       District     2       District     2       Attornettarie     ND       District     2       District <tr< td=""><td></td><td></td><td>DN</td><td>Ð</td><td>sec-Butylbenzen</td></tr<>			DN	Ð	sec-Butylbenzen
CLIENT:       El Paso Natural Gas Company       QC SUMMARY REPORT         Work Order:       556140       QC SUMMARY REPORT         Project:       Gallup District       Method Blank         Project:       Gallup District       Method Blank         1.2-Distroparte       ND       2         1.2-Distroparte       ND       2         1.2-Distroparte       ND       3         1.1-Distroparte       ND       3         1.1-Distroparte       ND       1         1.1-Distroparte       ND       1 </td <td></td> <td></td> <td>DN</td> <td>6.7</td> <td>n-Propylbenzene</td>			DN	6.7	n-Propylbenzene
CLIENT:     El Paso Natural Gas Company       Wort Order:     306140       Project:     Gallup District       Project:     Gallup District       Project:     Calbonorbonatione       12-Distronorbonatione     ND       12-Distronorbonatione     ND       12-Distronorbonatione     ND       12-Distronorbonatione     ND       12-Distronorbonatione     ND       12-Distronorbonatione     ND       13-Distronorbonatione     ND       14-Distronorbonatione     ND       12-Distronorbonatione     ND       13-Distronorbonatione     ND       11-Distronorbonatione     ND			DN		n-Butylbenzene
CLIENT:     El Paso Natural Gas Company       Work Order:     506140       Project:     Gallup District       Project:     Gallup District       Project:     Callup District       1-2-Dibrono-3-chloopnopane     ND       1-2-Dibrono-3-chloopnopane     ND <tr< td=""><td></td><td></td><td>ON</td><td>ide</td><td>Methylene Chlori</td></tr<>			ON	ide	Methylene Chlori
CLIENT:     EI Paso Natural Gas Company       Work Order:     S56140       Project:     Gallup District       Project:     Gallup District       Project:     Gallup District       T-Dibrono-3-chloroporane     ND       Domone/hormetene     ND       12-Dichoobenzene     ND       13-Dichoobenzene     ND       11-Dichoopenzene     ND       12-Dichoopenzene     ND       13-Dichoopenzene     ND			ND 1C	εναιε	4-Methyl-2-pentz
CLIENT:       El Paso Natural Gas Company         Work Order:       5506140       QC SUMMARY REPORT         Work Order:       5506140       Method Blank         Project:       Galup District       Method Blank         14-Dibromo-3-chloropopane       ND       2         Dibromoethane       ND       2         Othorobenzene       ND       1         14-Dichlorobenzene       ND       1         14-Dichlorobenzene       ND       1         14-Dichlorobenzene       ND       1         14-Dichlorobenzene       ND       1         14-Dichloropenzene       ND       1			PD DN	ге	4-isopropyltaluer
CLIENT:     El Paso Natural Gas Company       Work Order:     0306140       Project:     0406140       Project:     040			DN	ġ	Isopropylbenzen
CLIENT:       El Paso Natural Gas Company         Work Order:       0506140         Project:       0506140         Project:       0506140         Project:       Allup District         Projecti       Allup District </td <td></td> <td></td> <td>ND 1C</td> <td></td> <td>2-Hexanone</td>			ND 1C		2-Hexanone
CLIENT:       El Paso Natural Gas Company         Work Order:       D506140       QC SUMMARY REPORT         Project:       Gallup District       Project         Project:       Gallup District       Method Blank         12-Dihomo-3-chloropotane       ND       2         Dihomochloromethane       ND       2         Dihomochloromethane       ND       2         Dihomochloromethane       ND       1         14-Diholoobarzene       ND       1         14-Dicholoobarzene       ND       1         14-Dicholooparae       ND       1			QN	liene	Hexachlorobutac
CLIENT:       EI Paso Natural Gas Company         Work Order:       D506140         Project:       Gallup District         Project:       Gallup District         Project:       Allup District         Allor District       Method Blank         I-Jebnono-3-choropropane       ND       2         Distronchloromethane       ND       2         Distronchloromethane       ND       2         I-Jeblorobenzene       ND       1         I-Jebloropenzene       ND       1 <th< td=""><td></td><td></td><td>DZ</td><td>Iene</td><td>1,1-Dichloroprop</td></th<>			DZ	Iene	1,1-Dichloroprop
CLIENT:EI Paso Natural Gas CompanyQC SUMMARY REPORTWork Order:0506140Method BlankProject:Gallup DistrictMethod Blank12-DibronochoromethaneND2DibronochoromethaneND2DibronochoromethaneND212-DichorobezeneND213-DichorobezeneND113-DichorobezeneND113-DichorobezeneND113-DichorobezeneND113-DichorobezeneND113-DichorobezeneND <t< td=""><td></td><td></td><td>DN DN</td><td>ane</td><td>2,2-Dichloroprop</td></t<>			DN DN	ane	2,2-Dichloroprop
CLIENT:     EI Paso Natural Gas Company       Work Order:     0506140       Work Order:     0506140       Project:     Gallup District       T-2-Disono-3-chloropane     ND       Disonochloromethane     ND       Disonochloromethane     ND       12-Dislononethane     ND       13-Dislononethane       ND     1    <			Q	ane	1,3-Dichloroprop
CLIENT:     El Paso Natural Gas Company       Work Order:     0506140       Work Order:     0506140       Method       Project:     Gallup District       T.2-Dibrono-3-chloropopane     ND       Dibronochloronethane     ND       Dibronochloronethane     ND       1.2-Dichlorobenzene     ND       1.2-Dichlorobenzene     ND       1.2-Dichlorobenzene     ND       1.2-Dichlorobenzene     ND       1.3-Dichlorobenzene     ND			DN	ane	1,2-Dichlaroprop
CLIENT:EI Paso Natural Gas CompanyQC SUMMARY REPORTWork Order:0506140Project:DistrictYroject:Gallup DistrictNDZ1,2-Dibrono-3-chloropropaneND2DibronochloromethaneND21,2-DichoroberzeneND21,3-DichoroberzeneND11,3-DichoroberzeneND11,3-DichoroberzeneND11,3-DichoroberzeneND11,1-DichoroberzeneND11,1-DichoroberzeneND11,1-DichoroberzeneND			ND	ne	1,1-Dichloroethe
CLIENT:     EI Paso Natural Gas Company       Work Order:     0506140       Work Order:     G306140       Project:     Gallup District       T2-Dibrono-3-chloropopane     ND       Dibromonethane     ND       Oli Dibromonethane     ND       12-Dichorobenzene     ND       13-Dichorobenzene     ND       14-Dichorobenzene			Ŋ	ne	1,1-Dichloroetha
CLIENT:El Paso Natural Gas CompanyQC SUMMARY REPORTWork Order:0506140Project:0506140Project:Gallup DistrictMethod Blank1,2-Dihrono-3-chloropropaneND2DibromochloromethaneND11,2-DichlorobenzeneND11,3-DichlorobenzeneND11,3-DichlorobenzeneND11,4-DichlorobenzeneND11,4-DichlorobenzeneND11,4-DichlorobenzeneND11,4-DichlorobenzeneND11,4-DichlorobenzeneND1			Q	nethane	Dichlorodifluoron
CLIENT:EI Paso Natural Gas CompanyQC SUMMARY REPORTWork Order:0506140Project:0506140Project:Gallup DistrictMethod Blank1,2-Dibrono-3-chloropropaneND2DibronomethaneND2DibronomethaneND21,2-DichlorobenzeneND11,3-DichlorobenzeneND1			DN	zene	1,4-Dichlorobenz
CLIENT:El Paso Natural Gas CompanyQC SUMMARY REPORTWork Order:0506140Method BlankProject:Gallup DistrictMethod Blank1,2-Dibrono-3-chloropropaneND2DibromochloromethaneND2DibromonethaneND21,2-DichlorobenzeneND1			DN	zene	1,3-Dichlorobenz
CLIENT:El Paso Natural Gas CompanyQC SUMMARY REPORTWork Order:0506140Method BlankProject:Gallup DistrictMethod Blank1.2-Dibromo-3-chloropropaneND2DibromochloromethaneND2DibromonethaneND2			Q	zene	1,2-Dichlorobenz
CLIENT:     El Paso Natural Gas Company     QC SUMMARY REPORT       Work Order:     0506140     Rethod Blank       Project:     Gallup District     Method Blank       1,2-Dibromo-3-chloropropane     ND     2       Dibromochloromethane     ND     1			QN	۵	Dibromomethan
CLIENT: El Paso Natural Gas Company Work Order: 0506140 Project: Gallup District Method Blank 1,2-Dibromo-3-chloropropane ND 2			QN	ethane	Dibromochlorom
CLIENT: El Paso Natural Gas Company Work Order: 0506140 Project: Gallup District Method Blank			QN	hloropropane	1,2-Dibromo-3-ci
CLIENT: El Paso Natural Gas Company Work Order: 0506140	Method Blank			Gallup District	Project:
CLIENT: El Paso Natural Gas Company				0506140	Work Order:
	OC STIMMARY REPORT		is Company	El Paso Natural Ga	<b>CLIENT:</b>

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4		mits	epted recovery lin	PD outside acc	R - R	nits	cted below quantitation lin	J - Analyte dete	
malyte detected in the associated Method Blank	B - A	recovery limits	outside accepted r	pike Recovery o	S - S		ted at the Reporting Limit	ND - Not Detec	Qualifiers:
						0.8	Q		Silica
						0	101		Yttrium Radial
						a	100.6		Yttrium
						0.05	QN		Zinc
						-	QN		Sadium
						0.005	QN		Silver
						0.02	QN		Selenium
						-	ON		Potassium
						0.002	QN		Manganese
						-	ΩN		Magnesium
						0.005	QN		Lead
						0.02	QN		tron
						0.006	DN		Copper
						0.006	QN		Chromium
						-	QN		Calcium
						0.002	QN		Cadmium
						0.04	QN		Boron
						0.02	DN		Barium
					-	0.02	QN		Arsenic
D Ref Val %RPD RPDLimit Qual	HighLimit RPC	C LowLimit	il %RE(	SPK Ref Va	SPK value	POL	Result		Analyte
	372167	SeqNo:		٩	ICP_050616.	Run ID:			Client ID:
i 8:59:54 AM Prep Date:	Date: 6/16/2005	Analysis	٦	Units: mg	SW6010A	Test Code:	Batch ID: R15702	f	Sample ID: Mi
0	120	5 80	0 94.1		10	0	9.45	e-d8	Surr: Toluer
0	120	6 80	.76 0		10	0	9.764	ofluoromethane	Surr: Dibron
0	120	2 80	0 10		10	0	10.17	olluorobenzene	Surr: 4-Bron
a	120	6 80	0 93.(		10	0	9.362	chloroethane-d4	Surr: 1,2-Dic
						-	DN		Xylenes, Total
						-	QN		Vinyl chlaride
						2	QN	propane	1,2,3-Trichloro
						-	ΩN	methane	Trichlorofluoro
						-	QN	e (TCE)	Trichloroethen
							rict	Gallup Dist	Project:
Mathad Dlads								.: 0506140	Work Orde
QC SUMMARY REPORT							hıral Gas Company	El Paso Nat	CLIENT:

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Hall Environme	ental Analysis Labora	tory			an an a suite a "P printing the Management of the suite and the suite of the suite				Date: /	6-Jun-05	
CLIENT: EI Work Order: 050	Paso Natural Gas Company							QC SUN	AMAR	Y REPC	DRT
Project: Ga	llup District							Laboratory	Control	Spike - ge	meric
Sample ID: LCS	Batch ID: R15710	Test Code:	E300	Units: mg/L		Analysis	s Date: 6/16/	2005	Prep D	ate:	
Client ID:		Run ID:	LC_050616A			SeqNo:	37224	Đ			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	0.4788	0.1	0.5	o	95.8	06	110	0			
Chloride	4.627	0.1	S	0	92.5	06	110	D			
Nitrogen, Nitrite (As N)	0.9685	0.1	F	0	96.9	06	110	٥			
Bromide	2.422	0.5	2.5	0	96.9	6	110	0			
Nitrogen, Nitrate (As N)	2.395	0.1	2.5	D	95.8	06	110	O			
Phosphorus, Orthophosp	hate (As P) 4.86	0.5	ហ	0	97.2	06	110	ο			
Sulfate	9.674	0.5	10	0	96.7	06	110	0			
Sample ID: 100ng lcs-b	Batch ID: R15704	Test Code:	SWB260B	Units: µg/L		Analysis	i Date: 6/16/	2005	Prep D	ale:	
Client ID:		Run ID:	VAL_0506151	m		SeqNo:	37222	8			
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22.16	-	20	0	111	80	130	0			
Toluene	25.18	-	20	0	126	87.5	128	0			
Chlorabenzene	23.09	-	20	Ð	115	76.2	130	0			
1,1-Dichloroethene	19.14	-	20	0	95.7	73.3	130	D			
Trichloroethene (TCE)	20.09	-	20	a	100	76.9	130	0			
Qualifiers: ND -	Not Detected at the Reporting Limit		S - Spi	ike Recovery outside	e accepted reco	overy limits		B - Analyte detected	i in the assoc	iated Method E	llank

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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits

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the associated Method Blank	- Analyte detected in	В	very limits	accepted reco	te Recovery outside	S - Spik		ND - Not Detected at the Reporting Limit	Qualifiers:
	a	120	80	107	0	5.42	0.8	5.788	Silica
	0 0	130	2	98.5	0	100	0	98.5	Yttrium Radial
	0	130	20	95.5	0	100	0	95.53	Yttrium
	0	120	80	109	0	0.5	0.05	0.5448	Zinc
		120	08 08	108	<b>)</b> 0	0.5 50,5	cnn.n	54.61	Sodium
	0	120	80	106	Ō	0.5	0.02	0.5284	Selenium a::
	٥	120	80	100	0	55	-	55.08	Potassium
	0	120	80	106	0	0.5	0.002	0.5291	Manganese
		120	3 8	108	. 0	50.5	-	54.73	Magnesium
	5 0	071 071	88	501.		0.5	0.005	0.5449	Lead
	0	120	80	108	0	0.5	0.006	0.5417	Copper
	0	120	80	107	0	0.5	0.006	0.5345	Chramium
	0	120	80	106	D	50.5	-	53.74	Calcium
	0	120	80	109	D	0.5	0.002	0.5435	Cadmium
	0	120	80	106	0	0.5	0.04	0.5307	Baron
	. 0	120	80	106	O	0.5	0.02	0.5323	Barium
The second second second second second second second study (second second s	0	120	80	113	D	0.5	0.02	0.5665	Arsenic
%RPD RPDLimit Qual	RPD Ref Val	HighLimit F	LowLimit	%REC	SPK Ref Val	SPK value	PQL	Result	Analyte
		372168	SeqNo:			CP_050616A	Run iD:		Client ID:
Prep Date:	005 9:02:50 AM	Date: 6/16/20	Analysis		Units: mg/L	SW6010A	Test Code: S	Batch ID: R15702	Sample ID: LCS
control Spike - generic	Laboratory C							Gallup District	Project:
MARY REPORT	QC SUM							ELFASU INALLIAL CAS COLLIPALIY 0506140	Work Order:

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CLIENT: Work Order: Proiect:	El Paso Natural Gas Company 0506140 Gallup District							QC SUM Laboratory Co	MAR)	<b>Y REPO</b> pike Dupli	<b>RT</b> icate
Sample ID: LCSD	Batch ID: R15702	Test Code:	SW6010A	Units: mg/L		Analysis	Date: 6/16/	2005 9:05:50 AM	Prep Da	le:	
Client ID:		Run ID:	ICP_050616A			SeqNo:	37216	6			
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5627	0.02	0.5	o	113	80	120	0.5665	0.667	20	
Barium	0.5325	0.02	0.5	0	106	80	120	0.5323	0.0319	20	
Boron	0.5399	0.04	0.5	0	108	80	120	0.5307	1.72	20	
Cadmium	0.5444	0.002	0.5	٥	109	80	120	0.5435	0.166	20	
Calcium	53.96	-	50.5	Q	107	80	120	53.74	0.407	20	
Chramlum	0.5329	0.006	0.5	Q	107	80	120	0.5345	0.306	20	
Copper	0.5412	0.006	0.5	a	108	80	120	0.5417	0.0919	20	
Iron	0.5162	0.02	0.5	Ģ	103	80	120	0.5165	0.0640	20	
Lead	0.5432	0.005	0.5	D	109	80	120	0.5449	0.301	20	
Magnesium	54.88		50.5	0	109	80	120	54.73	0.268	20	
Manganese	0.5294	0.002	0.5	0	106	80	120	0.5291	0.0559	20	
Potassium	55.26		55	0	100	80	120	55,08	0.327	20	
Selenium	0.5179	0.02	0.5	o	104	80	120	0.5284	2.02	20	
Silver	0.5431	0.005	0.5	0	109	80	120	0.5444	0.242	20	
Sodium	54.7		50.5	0	108	80	120	54,61	0.169	20	
Zinc	0.5479	0.05	0.5	Ö	110	80	120	0.5448	0.576	20	
Yttrium	95.56	0	100	0	95.6	02	130	95.53	0.0354	20	
Yttrium Radial	99.51	0	100	o	99.5	70	130	98.5	1.02	20	
Silica	5.169	0.8	5.42	D	95.4	80	120	5.788	11.3	20	

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B - Analyte detected in the associated Method Blank S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits ND - Not Detected at the Reporting Limit

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J - Analyte detected below quantitation limits

Qualifiers:

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Page 1 of 1	LABORATORY			REMARKS	IF SAMPLE QUANITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN	See attached list - Drinking Water Limits					Ricar E-Mail to Richard.	Fax),	ses- 631-7734				DATE: TIME: RECEIVED BY: (Signature)	DATE: TIME: RECEIVED AT LAGORATORY BY: (Signature)		INVOICES TO:	LABORATORY SERVICES EL PASO CORPORATION	8645 FAILROAD DRIVE EL PASO, TEXAS 79904	915-587-3729 FAX: 915-587-3835	FM-08-0566 (05/2003)
)RD	ANALYSIS																18HED BY: (S/gnature)	ABHED BY: (Signature)		RESULTS & I				
OF CUSTODY RECC	REQUESTED /		snoita	.C & 21	ıolnA	×											Coller DISC	RELIVOU						
CHAIN				5	Metal 524	×			i 	-						 ×	ismerulis	(grature)	t remard :					
	1	2 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ANIATI		22	4 D											CENED BY:	ECENTED AT: (	WPLE RECIEN			ARGE CODE:		
	UECT NAME	allup District	DATE:		SAMPLE NUMBER	-										Trip Blank	0ATE: TIME: R	DATE: TIME: R	13					
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Ň A	LSR NUMBER	5060	ture)		DATE	6/15/65											CO Com	(Signature)	AROUND TIME:	Testing Labor	EPC Laborato	Field Sample.		
		Jog (	SAMPLERU: (5/gna		LAB ID												RELOFTOR DEV	чециючивнер в Г	IEQUEBTED TURN Routine	Driginal	Copy	Copy	URBILL NO:	

#### 6/16/2005 Client Name EL PASO NG Date and Time Received: Work Order Number 0506140 Received by BDH Achleppe 6-16-05 Checklist completed by Matrix Carrier name Client drop-off Yes 🗹 No 🗔 Not Present Shipping container/cooler in good condition? Yes 🗍 No Not Present Not Shipped Custody seals intact on shipping container/cooler? No 🗔 Yes N/A Custody seals intact on sample bottles? Yes 🗹 No 🗌 Chain of custody present? No 🗌 Chain of custody signed when relinquished and received? Yes 🗹 Yes 🗹 No 🗆 Chain of custody agrees with sample labels? Yes 🗹 No 🗌 Samples in proper container/bottle? Yes 🗹 No 🗌 Sample containers intact? NnΠ Yes 🗹 Sufficient sample volume for indicated test? No 🗀 All samples received within holding time? Yes 🗹 Yes 🗹 No 🗍 No VOA vials submitted Water - VOA vials have zero headspace? Yes 🗸 No 🗌 N/A Water - pH acceptable upon receipt? Container/Temp Blank temperature? 5° 4" C ± 2 Acceptable If given sufficient time to cool. COMMENTS: Person contacted Client contacted Date contacted: C C

Contacted by:	Regarding
Comments:	
Corrective Action	

Sample Receipt Checklist

#### Martin, Ed, EMNRD

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Nancy,

The metals should be Total Metals, not Dissolved.

Darrell -

From: Nancy McDuffie [mailto:nancy@hallenvironmental.com] Sent: Thursday, June 16, 2005 2:23 PM To: Duarte, Ricardo (Richard) Cc: ed.martin@state.nm.us; Campbell, Darrell G Subject: RE: Belen Hydrotest Water Results -

Here are your results

Nancy McDuffie

Laboratory Manager

Hall Environmental Analysis Laboratory

4901 Hawkins NE #D

Albuquerque, NM 87109

505.345.3975 fax 505.345.4107

From: Duarte, Ricardo (Richard) [mailto:Ricardo.Duarte@ElPaso.com] Sent: Thursday, June 16, 2005 9:34 AM To: nancy@hallenvironmental.com Subject: Belen Hydrotest Water Results -

Nancy:

I got your message this AM regarding the TDS (we had previously agreed this was not to be included in the quick turn-around results). Yes, that is fine. With regard to the other results, please modify the previous mailing list to the following:

Only the State employee has changed (previously provided you with his home email).

ricardo.duarte@elpaso.com 

ed.martin@state.nm.us 

darrell.campbell@elpaso.com

Looking forward to seeing the results. When would be reasonable to see them come my way (so I can carve out the computer face time for that time slot).

Again, thank you,

Richard (505) 831-7763

This email and any files transmitted with it from the ElPaso Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender.

This email and any files transmitted with it from the ElPaso Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender.

Sent: Fri 6/17/2005 2:55 PM

#### Martin, Ed, EMNRD

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It take six hours to digest total, so we could not do total on expedited turn around.

From: Campbell, Darrell G [mailto:Darrell.Campbell@ElPaso.com] Sent: Friday, June 17, 2005 2:46 PM To: Nancy McDuffie; Duarte, Ricardo (Richard) Cc: ed.martin@state.nm.us Subject: RE: Belen Hydrotest Water Results -

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Laboratory Manager

Hall Environmental Analysis Laboratory

4901 Hawkins NE #D

Albuquerque, NM 87109

505.345.3975 fax 505.345.4107

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Again, thank you,

Richard (505) 831-7763

use of the individual or entity to whom they are addressed.

If you have received this email in error please notify the

sender.

This email and any files transmitted with it from the ElPaso

Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the

sender.

#### HAND DELIVERED

May 20, 2005

Mr. Mechenbier, 4400 Alameda Blvd. NE Suite E Albuquerque, NM 87113

#### Re: Discharge Hydrostatic Test Water from EPNG's 1300 Pipeline near Belen, NM.

Dear Mr. Landowner:

Please accept this letter as a summary of our recent verbal agreement that allows El Paso Natural Gas Company ("EPNG") to discharge approximately 104,000 gallons of water onto your property. The water will be generated when EPNG conducts its hydrostatic test on the 1300 pipeline on about June 16, 2005.

If the above does not capture our agreement (specifically regarding the water discharge), please let me know. In addition, if you wish to see a copy of the New Mexico Oil Conservation Division – Environmental Button's approval for the water discharge let me know.

Lastly, if you have any questions or concerns regarding this upcoming event, feel free to contact me at (505) 722-3625 or the Gallup Area Lead, Mr. Mike Maloy. His cell phone number is (505) 879-3317.

Sincerely, EL PASO NATURAL GAS COMPANY

yhed LOW. Com

Donald W. Campbell, Manager Gallup Area - Albuquerque Division Transmission Operations



May 12, 2005

HI-96

Mr. Ed Martin, Environmental Engineer New Mexico Oil Conservation Division Environmental Bureau – District 4 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Certified Mail/ Return Receipt Requested 7004 2510 0003 3001 1920

#### Re: Request for a Permit to Discharge Hydrostatic Test Water from EPNG's 1300 Pipeline near Belen, NM.

Dear Mr. Martin:

El Paso Natural Gas Company (EPNG) is planning to hydrostatic test an estimated ½-mile section of its No. 1300 pipeline west of its Belen Compressor Station. The water discharge is estimated to be about 104,000-gallons. The test is scheduled to begin on June 16, 2005 and end late on June 17, 2005.

EPNG is taking extra measures to make certain that the quality of the source water is not detrimentally impacted during this process so it can be discharged onto the farmland on and around EPNG's Right-of-way. In brief those measures are:

- Cleansing of pipeline. While EPNG transports only pipeline quality natural gas for delivery to endusers, it will cleanse the pipeline utilizing water and a non-hazardous cleaner to remove any residual oil or other deleterious substances that may be present in the pipeline. The rinsate solution will be containerized and transported off-site for recycling.
- 2. Usage of extra clean tanks for water storage. We will be using water storage tanks supplied from a company, Rain-for-Rent, from Phoenix, AZ. This is in opposition to using frac-tanks typically engaged in various oil-patch applications that at times may be difficult to clean prior to usage.

With the exception of the land owner approval letter, the information attached herein is provided in accordance with the NMOCD's <u>Guidelines for Hydrostatic Test Dewatering</u> (May 1989). The landowner approval letter will be provided as soon as it is secured. If you have any questions on any of this information or you need additional information, please contact me at (505) 831-7763.

Sincerely,

Richard Anab

Richard Duarte Principal Environmental Engineer Pipelines West – Environmental Department

NMOCD Hydrostatic Discharge Request May 12, 2005

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#### Blind Copy (w/out enclosures):

Donald Campbell Sandra D. Miller (for PWED filing in Colo. Springs, CO) Randy Mc Knight (Station #3)

File: Belen Station – Environmental file Duarte's Chron. (w/out enclosures)

## NMOCD Hydrostatic Test Information EPNG's Pipeline 1300 Near Belen, NM

June 2005

#### Hydrostatic Test Information

#### a) Map showing the location of the pipelines to be tested;

A pipeline map and an alignment sheet are attached in tab #1.

#### b) Description of the test;

EPNG will be testing one length of pipe, approximately ½-miles of 30-inch pipeline to satisfy the pipeline safety requirements of the US Department of Transportation – Pipeline Safety Regulations (Reference Title 49 CFR Parts 186 to 199). The CFR Parts prescribes the procedures used by the Research and Special Programs Administration in carrying out the duties regarding the pipeline safety under the laws of 49 USC 60101 and other laws (the pipeline safety laws).

EPNG transports pipeline quality gas (sweet and dry) in this pipeline system that is suitable for consumer usage. This gas is supplied to EPNG by various shippers and other transporters and has been treated to remove all liquids and deleterious substances prior to entry into the EPNG pipeline system. EPNG has an elaborate gas quality monitoring system for all natural gas entering the pipeline. This system is utilized to ensure that EPNG meets with it Natural Gas Tariff on file with the Federal Energy Regulatory Commission (FERC), which maintains strict standards for the natural gas quality entering EPNG's pipeline system.

Location of work:

Mile Post 259+ 0015 Mile Post 259+2839 30" pipeline DWG # 1300.00-052.00 Township 5 North Range 2 East Valencia County, New Mexico

EPNG is proposing to conduct the hydrostatic test in three distinct phases:

- 1) Cleanse the pipeline. The pipeline will be cleansed with approximately 100-gallons a non-hazardous chemical, N-Spec 120, specifically made for cleaning pipelines and mixed with water. The MSD sheet for this product is attached in tab #2 for your information.
- 2) Fill pipeline with approximately 104,000 gallons of water (previously stored in very clean tanks) and conduct hydrostatic test pipeline segment for 8-hours per US DOT requirements; and,
- 3) Then, if all applicable criteria are met (outlined in section i below), land-apply the water onto and around EPNG's Right-of-way.

#### c) Source and analysis of test water;

EPNG has secured approval from the landowner, where the discharge is proposed, to use his water well near the vicinity of the test. A sample of a nearby water well (shallower production screen and 1/2-mile from designated source well) was acquired in April 2005 and analyzed for organic compounds, major anions and cat ions, heavy metals, semi-volatile and volatile organic compounds, TDS, Fe, Mn, ph and conductivity as recommended by the NMOCD guidelines. Those results are attached in tab #3 for your information and expect the actual source water to be of the similar characteristics.

#### d) Point of discharge of the test water;

The water will be land applied onto and around EPNG's Right-of-way that is currently a wheat field as shown on the eastern most the segment of pipeline being tested, provided the water-quality criteria (mentioned below) is met. The water will be discharged onto a hay-bale structure (underlined with plywood or other impervious material) to dissipate water energy and catch solids. The water will be allowed to flood within the farmland (currently planted with wheat); however, no water will be allowed to enter into an arroyo, canal or other apparent water way. A copy of the landowner's approval letter will be provided as soon as it is secured.

#### e) Method and location for collection and retention of fluids and solids;

<u>Wash-runs and cleaning agents:</u> In an attempt to mitigate contamination of the hydrostatic test water, EPNG is proposing to conduct two "wash-runs" prior to filling the pipeline. Based on EPNG's operating knowledge of this segment of the pipeline, it has trace or no oils currently present. The purpose of the two wash-runs is to eliminate any residual oil, grease, hydrocarbons or other deleterious substances that may be present in this segment. A wash-run for this testing event, will entail approximately 55 gallons of the cleaning agent, N-Spec 120, mixed with about 500 gallons of water and one bi-directional disc-pig to push the cleaning agents through the affected pipeline segment. The rinsate from both pig-runs will be collected in one 20,000-gallon Frac-tank and transported to EPNG's Belen Station for recycling.

<u>Hydrostatic Test Water.</u> Prior to the hydrostatic test, the source water will be stored in extra clean water-storage tanks (each with a 20,000-gallon capacity) supplied from Rain-for-Rent, from Phoenix, AZ.

<u>Water Sample procurement.</u> EPNG will be securing a water sample immediately after the pipeline is filled but before the pipeline segment enters the 8-hour test period. This sample will be immediately transported to Albuquerque for immediate analyzsis.

A second composite water sample will be captured from the hay-bale structure during the discharge. The results for this sample will be analyzed as rush-samples, with about a week turnaround.

#### f) Monitoring program;

In addition to the initial water sample secured prior to the test (from the within the pipeline segment), EPNG is proposing to collect one additional composite water sample from the beginning, middle and end of the discharge from the hay-bale structure. However, the second sample would include semi-volatile organics and total dissolved solids and would not be analyzed the same day (as the first sample), but turned around in about a week.

#### g) Depth of ground water at discharge and collection/retention site;

Depth to groundwater is estimated to be about 80 feet.

#### h) Geological characteristics;

Topsoil is silt with mostly wind-blown sand and it is irrigated farmland. The subsurface soils are chiefly sand sediment mixed with intermittent silt and clayey deposits.

#### i) Plan for disposal of test water and solids;

With NMOCD's prior approval, EPNG is proposing to immediately discharge the water directly from the pipeline upon completion of the 8-hour pipeline pressure test.

In short the process will entail the following steps:

- 1. Prior to the test, EPNG will store the hydrostatic test water (in preparation for the test) in extra-clean tanks supplied by Rain-for-Rent from Phoenix, AZ.
- 2. EPNG will cleanse the pipeline using water and a non-hazardous cleaning agent as an added measure to conserve the good quality of the source water. The rinsate from the two cleaning runs

will be collected in one 20,000-gallon Frac-tank and transported to EPNG's Belen Station for recycling.

- 3. EPNG will secure a water sample directly from the pipeline prior to entering the 8-hour hydrostatic test period and immediately analyze it at a NELAC-certified laboratory in Albuquerque, NM.
- 4. The water results will be promptly forwarded to the NMOCD for rapid review and their approval. The sample will be analyzed for total dissolved metals, anions, general analyses (ph, conductivity, alkalinity, and hardness) and volatile organic compounds.
- 5. Upon NMOCD approval, EPNG is proposing to land-apply the water onto its Right-of-way and around it.
- 6. Should the water reveal a concern to the NMOCD (and immediate discharge is not approved), EPNG will store the water back into the Rain-for-Rent tanks and develop a separate disposal plan for evaluation and approval by NMOCD. Any solids left in the frac-tanks will be collected, characterized and disposed accordingly.
- 7. If discharge occurs immediately after the pressure test, the hay-bale structure will be allowed to dry and, if the level of hazardous constituents present in the discharged water poses a threat, the hay will characterized for proper waste disposal. If no concern is raised regarding the level and/or presence of hazardous constituents in the discharge water, the dried hay-bales will be disposed as solid waste.

#### j) Written permission from the landowner of collection/retention site;

The approval letter is presently being procured from the land owner (Mr. M) and will be forwarded to NMOCD as soon as possible.



C-7



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Attachment Z Page 1 of 6

## Material Safety Data Sheet

Common Name	N-SPEC 120 Cleaner	Code				
Supplier	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510	MSDS#		Not available.		
	337-893-3862	Validation I	Date	9/2/2004		
Synonym	Not available.	Print Date		9/2/2004		
frade name	Not available.	Responsible	2	Charles Toups		
Material Uses	Not available.	In Case of	Transp	oortation Emergency Call		
Manufacturer	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862	Emergency	CHEM Other I Charle 337-26	TREC 800-424-9300 Infomation Call s Toups 51-0796		

	Crto II	Weight	Exposure Lunits
Confidential infomation			

Section 3. Hazards	Section 3. Hazards Identification									
Physical State and Appearance	Liquid.									
Emergency Overview	CAUTION! MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.									
	Keep away from heat, sparks and flame. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.									
Routes of Entry	Eye contact. Inhalation. Ingestion.									
Potential Acute Health Eff <i>Eyes</i>	ects Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.									
Skin	Irritation of the product in case of skin contact: Not available. Hazardous in case of skin contact									
Inhalation	Hazardous in case of inhalation.									
Ingestion	Hazardous in case of ingestion.									
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.									
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.									
Overexposure /Signs/Symptoms	Not available.									
See Toxicological Informat	tion (section 11)									
Continued on Ne.	xt Page									

N-SPEC 120 Cleaner

Section 4. First Aid Measures **Eve Contact** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately. **Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Notes to Physician Not available.

#### Section 5. Fire Fighting Measures Flammability of the Not available Product Auto-ignition Not available. Temperature **Flash Points** Tested - No Flash present **Flammable Limits** Not available. **Products of Combustion** These products are carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...). Fire Hazards in Presence Not available. of Various Substances **Explosion Hazards in** Risks of explosion of the product in presence of mechanical impact: Not available. Presence of Various Risks of explosion of the product in presence of static discharge: Not available. Substances **Fire Fighting Media** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in and Instructions order to prevent pressure build-up, autoignition or explosion. **Protective Clothing (Fire)** Be sure to use an approved/certified respirator or equivalent. Special Remarks on Fire No additional remark. Hazards **Special Remarks on** Not available. **Explosion Hazards**

#### Section 6. Accidental Release Measures

Small Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.
Large Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.

**Continued on Next Page** 

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Page: 2/6

	Attachment
N-SPEC 120 Clean	er Page: 3%
Section 7. Handling	and Storage
Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	Keep container tightly closed and in a well-ventilated place.
Section 8. Exposur	re Controls/Personal Protection
Engincering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses.
Body	Lab coat.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Impervious gloves.
Feet	Not applicable.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Product Name	Exposure Limits
Confidential infomation	

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties									
Physical State and Appearance	Liquid.	Odor	Not available.						
Molecular Weight	Not applicable.	Taste	Not available.						
Molecular Formula	Not applicable.	Color	Blue. (Dark.)						
pH (1% Soln/Water)	6 to 8 [Neutral.]	Aller							
Boiling/Condensation Point	The lowest known value is 100°	C (212°F) (Water). W	eighted average: 140.43°C (284.8°F)						
Melting/Freezing Point	May start to solidify at 0°C (32 (-51.1°F)	.°F) based on data f	or: Water. Weighted average: -46.19°C						
Critical Temperature	Not available.								
Specific Gravity	0.9 to 0.98 (Water = 1)								
Vapor Pressure	The highest known value is 2.3 kPa (8.78 mm Hg) (at 20°C)	kPa (17.2 mm Hg) (a	t 20°C) (Water). Weighted average: 1.17						
Vapor Density	The highest known value is 5.1	1 (Air = 1). Weighted	l average: 2.93 (Air = 1)						
Volatility	Not available.								
Odor Threshold	The highest known value is 34.6	3 ppm							
Evaporation Rate	0.02 compared to Butyl acetate								
VOC	Not available.								
Continued on N	ext Page	<u> </u>							

Page: 4/6

Attachment \_2\_

4 of 6

N-SPEC 120 Cle	aner	Page: 4/6
Viscosity	Not available.	· · · · · · · · · · · · · · · · · · ·
LogKow	The product is much more soluble in water.	
Ionicity (in Water)	Anionic.	
<b>Dispersion Properties</b>	See solubility in water, methanol, diethyl ether.	
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.	
Physical Chemical Comments	Not available.	

#### Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.	
Conditions of Instability	Not available.	
Incompatibility with Various Substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with reducing agents.	
Hazardous Decomposition Products	Not available.	
Hazardous	Will not occur.	

#### Section 11. Toxicological Information

	<b>v</b>
Toxicity to Animals	Acute oral toxicity (LD50): 1900 mg/kg [Rat]. Acute dermal toxicity (LD50): 9510 mg/kg [Rabbit].
Chronic Effects on Humans	No additional remark.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (sensitizer).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other	Material is irritating to mucous membranes and upper respiratory tract.

**Toxic Effects on Humans** 

Polymerization

Section 12. Ecological Information		
Ecotoxicity	Not available.	
BOD5 and COD	Not available.	
Biodegradable/OECD	Not available.	
Mobility	Not available.	
	These products are carbon oxides (CO, $CO_2$ ) and water, nitrogen oxides (NO, $NO_2$ ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ), phosphates. Some metallic oxides.	
Toxicity of the Products Biodegradation	of The products of degradation are less toxic than the product itself.	

Continued on Next Page

#### N-SPEC 120 Cleaner

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Special Remarks on the Not available. Products of Biodegradation

#### Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

#### Section 14. Transport Information

Shipping Description	Not a DOT controlled material (United States).		
	Not regulated.		
Reportable Quantity	11061.8 lbs. (5016.7 kg)		
Marine Pollutant	Not regulated - Alkylaryl sulfonate amine salt - less then 10 % .	<u> </u>	
Special Provisions for Transport	Contains alkylbenzenesulfonate		

#### Section 15. Regulatory Information

U.S. Federal Regulations TSCA 8(a SARA 302 SARA 302 SARA 302 SARA 302 SARA 302 SARA 312 were foun SARA 313 Clean Wa Clean Wa Clean air Clean air Clean air Clean air SARA 313 Clean Wa Clean air Clean air SARA 313 Clean Wa SARA 313 SARA 313 SARA 313 SARA 314 SARA 315 SARA 317 SARA 31	) PAIR: contains Alkylbenzenesulfonate 2/304/311/312 extremely hazardous substances: No products were found. 2/304 emergency planning and notification: No products were found. 2/304/311/312 hazardous chemicals: No products were found.
International Regulations EINECS Not availa	<ul> <li>I/312 MSDS distribution - chemical inventory - hazard identification: No products d.</li> <li>3 toxic chemical notification and release reporting: No products were found.</li> <li>ter Act (CWA) 307: No products were found.</li> <li>ter Act (CWA) 311: No products were found.</li> <li>act (CAA) 112 accidental release prevention: No products were found.</li> <li>act (CAA) 112 regulated flammable substances: No products were found.</li> <li>act (CAA) 112 regulated toxic substances: No products were found.</li> </ul>
EINECS Not availa	
	ble.
DSCL (EEC) Risk to ey May caus R322- M	yes. se irriationby skin contact. lay be harmful if swallowed. R36/38- Irritating to eyes and skin.
International Lists No produc	cts were found.
State Regulations Pennsylva Florida: D Minnesota Massachu New Jers	ania RTK: Dipropylene glycol monomethyl ether; Trade Secret; Gylcol Ether PNB ipropylene glycol monomethyl ether; Ethanol a: Dipropylene glycol monomethyl ether usetts RTK: Dipropylene glycol monomethyl ether; Ethanol ey: Ethanol; Gylcol Ether PNB
WARNIN has found	<b>G:</b> This product contains the following ingredients for which the State of California

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N-SPEC 120 Clear	ner	· · · · · · · · · · · · · · · · · · ·	Page	e: 6/6
Section 16. Other	Information			
Label Requirements	MAY CAUSE EYE IRRITATION MAY CAUSE SKIN IRRITATION MAY BE HARMFUL IF SWALLO	I. N. OWED.		
Hazardous Material Information System (U.S.A.)	*1NationFito(Perzud)0ProtReactivity0AssoPersonal ProtectionB	onal Fire fection ociation 5.A.)	Health Fire Hazard Bealth Specific Ha	d ty zard
References Not a	available.			
Other Special Not a Considerations	available.			
Validated by Charles Toups on 9/2/2004.		Verified by Charles	Toups.	
		Printed 9/2/2004.		
Consequency Flows Envergences Constants of Add States Constants of Add States Constants Constants Constants States States States Constants States Sta				
Notice to Reader To the best of our knowled of its subsidiaries assumes Final determination of su hazards and should be used	ge, the information contained herei any liability whatsoever for the accu itability of any material is the sold I with caution. Although certain ha	n is accurate. Howeve iracy or completeness e responsibility of the azards are described h	er, neither the above named su of the information contained he e user. All materials may pres erein, we cannot guarantee tha	pplier nor any erein. ent unknown t these are the

only hazards that exist.



#### LABORATORY SERVICE REPORT

REQUESTOR:	Campbell, Don (Gallup Area) (505) 722-3625	REPORT DATE: REQUEST NO: APPROVED BY: PENDING REQ. ID:	3/31/2005 2005030302 Campbell 2005030302
DISTRIBUTION:	Malloy MIke; Hubbell, Homer; Duarte, Richard; Weaver, Isaac L (Ike); McKnight, Randall K (Randy)		
PERFORMED BY:	Aerotech Environmental Laboratories		
Request Description:	1300 Line Hydrotest Potential Source Water - Belen Farm Well		
Date Received:	3/16/2005		
Date Completed:	3/28/2005		
Sample No: 1	Lab ID: 58637 Sampled By: Darrell Campbell Description: Analysis: WP New Mexico Hydrotest Purpose: Disposal/Environmental Concerns Matrix: Water Location: EPNG - Albuquerque - Gallup - 01300 - 259+;	Sampl 2839.4 - Hydrostatic Test -	e Date: 3/18/2005 2:00:00 PM Source Water

Data: See attached sheet(s).

Comments:

This report has been prepared for the private and exclusive use of El Paso Corporation and its affiliates and its delivery to any other person is upon the expressed understanding and condition that no representations or warranties, expressed or implied, are contained herein with respect to any of the information set forth in the report. If the purpose of this sample(s) is "External Corrosion", "Internal Corrosion", and/or "Pigging Samples", the interpretation of this report is the responsibility of Pipeline Services. Field Operations will only be contacted by Pipeline Services if the results require any action to be taken.

#### Request: 2005030302

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Sampla		1
Sample.		Ŧ
<u>Total Metals</u>		
Arsenic	mg/l	0.0022
Barium	mg/l	0.034
Boron	mg/l	0.27
Cadmium	mg/l	< 0.0010
Calcium	mg/l	72
Chromium	mg/l	< 0.0010
Copper	mg/l	0.02
Iron	mg/l	0.44
Lead	mg/l	0.0018
Magnesium	mg/l	22
Manganese	mg/l	0.021
Mercury	mg/l	< 0.00020
Potassium	mg/l	8.5
Selenium	mg/l	0.0028
Silica	mg/l	32
Silver	mg/l	< 0.0010
Sodium	mg/l	130
Zinc	mg/l	0.021
Anions		
Bromide	mg/l	< 0.50
Chloride	mg/l	49
Fluoride	mg/l	1.1
Nitrate, as N	mg/l	4.1
Sulfate	mg/l	190
General Analyses		
pH		8.01
Specific Conductivity	uS/cm	980
Alkalinity, Carbonate (As CaCO3)	mg/l	< 2.0
Alkalinity, Bicarbonate (As CaCO3)	mg/l	230
Alkalinity, Total (As CaCO3)	mg/l	230
Hardness, Ca/Mg (As CaCO3)	mg/l	270
Total Dissolved Solids	mg/l	630
Penzone	ma.uz/1	< 0.00050
Bromohonzeno	mg/l	< 0.00050
Bromochloromethane	mg/1	< 0.00050
Bromodichloromethane	mg/l	< 0.00050
Bromoform	mg/l	< 0.00050
Bromomethane	mg/1	< 0.00050
n-Butylbenzene	mg/l	< 0.00050
sec-Butylbenzene	mg/l	< 0.00050
tert-Butylbenzene	mg/1	< 0.00050
Carbon tetrachloride	mø/l	< 0.00050
Chlorobenzene	mø/l	< 0.00050
Chloroethane	mg/l	< 0.00050
Chloroform	mg/l	< 0.00050
Chloromethane	mg/l	< 0.00050
2-Chlorotoluene	mg/l	< 0.00050

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Sample:		1
4-Chlorotoluene	mg/l	< 0.00050
Dibromochloromethane	mg/l	< 0.00050
1,2-Dibromo-3-chloropropane	mg/l	< 0.0020
1,2-Dibromoethane	mg/l	< 0.00050
Dibromomethane	mg/l	< 0.00050
1,2-Dichlorobenzene	mg/l	< 0.00050
1,3-Dichlorobenzene	mg/l	< 0.00050
1,4-Dichlorobenzene	mg/l	< 0.00050
Dichlorodifluoromethane	mg/l	< 0.00050
1,1-Dichloroethane	mg/l	< 0.00050
1,2-Dichloroethane	mg/l	< 0.00050
1,1-Dichloroethene	mg/l	< 0.00050
cis-1,2-Dichloroethene	mg/l	< 0.00050
trans-1,2-Dichloroethene	mg/l	< 0.00050
1,2-Dichloropropane	mg/l	< 0.00050
1,3-Dichloropropane	mg/l	< 0.00050
2,2-Dichloropropane	mg/l	< 0.00050
1,1-Dichloropropene	mg/l	< 0.00050
cis-1,3-Dichloropropene	mg/l	< 0.00050
trans-1,3-Dichloropropene	mg/l	< 0.00050
Ethylbenzene	mg/l	< 0.00050
Hexachlorobutadiene	mg/ł	< 0.00050
Isopropylbenzene	mg/l	< 0.00050
Methylene chloride	mg/l	< 0.00050
Methyl t-butyl ether (MTBE)	mg/l	< 0.00050
Naphthalene	mg/l	< 0.00050
n-Propylbenzene	mg/l	< 0.00050
Styrene	mg/l	< 0.00050
1,1,1,2-Tetrachloroethane	mg/l	< 0.00050
1,1,2,2-Tetrachloroethane	mg/l	< 0.00050
Tetrachloroethene	mg/l	< 0.00050
Toluene	mg/l	< 0.00050
1,2,3-Trichlorobenzene	mg/l	< 0.00050
1,2,4-Trichlorobenzene	mg/l	< 0.00050
1,1,1-Trichloroethane	mg/l	< 0.00050
1,1,2-Trichloroethane	mg/l	< 0.00050
Trichloroethene	mg/l	< 0.00050
Trichlorofluoromethane	mg/l	< 0.00050
1,2,3-Trichloropropane	mg/l	< 0.0020
1,2,4-Trimethylbenzene	mg/l	< 0.00050
1,3,5-Trimethylbenzene	mg/l	< 0.00050
Vinyl chloride	mg/l	< 0.00050
o-Xylene	mg/l	< 0.00050
m,p-Xylene	mg/l	< 0.00050
	-	
Semi Volatiles Organic Compounds		
Acenaphthene	μg/l	< 10
Acenaphthylene	μg/l	< 10
Anthracene	µg/l	< 10
Benz(a)anthracene	μg/l	< 10
Benzo(b)fluoranthene	μg/l	< 10
Benzo(k)fluoranthene	μg/l	< 10
Benzo(g,h,i)perylene	μg/l	< 10

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Request: 2005030302

Sample:		<u>1</u>
Benzo(a)pyrene	μg/l	< 10
Bis(2-chloroethoxy)methane	μg/l	< 10
Bis(2-chloroethyl)ether	μg/1	< 10
Bis(2-chloroisopropyl)ether	μg/l	< 10
Bis(2-ethylhexyl)phthalate	µg/l	< 5.1
4-Bromophenyl phenyl ether	μg/1	< 10
Butyl benzyl phthalate	μg/l	< 10
4-Chloro-3-methylphenol	μg/l	< 10
2-Chloronaphthalene	μg/l	< 10
2-Chlorophenol	µg/l	< 10
4-Chlorophenyl phenyl ether	µg/l	< 10
Chrysene	μg/l	< 10
Dibenz(a,h)anthracene	μg/l	< 10
Di-n-butyl phthalate	μg/l	< 10
1,2-Dichlorobenzene	μg/l	< 10
1,3-Dichlorobenzene	μg/l	< 10
1,4-Dichlorobenzene	μg/ł	< 10
2,4-Dichlorophenol	μg/l	< 10
3,3'-Dichlorobenzidine	μg/l	< 10
Diethyl phthalate	μg/l	< 10
2,4-Dimethylphenol	μg/l	< 10
Dimethyl phthalate	μg/I	< 20
4,6-Dinitro-2-methylphenol	μg/l	< 51
2,4-Dinitrotoluene	μg/l	< 10
2,6-Dinitrotoluene	μg/l	< 10
2,4-Dinitrophenol	$\mu g \Lambda$	< 51
Di-n-octyl phthalate	μg/l	< 10
Fluoranthene	μg/l	< 10
Fluorene	μg/l	< 10
Hexachlorobenzene	μg/l	< 10
Hexachlorobutadiene	μg/l	< 10
Hexachlorocyclopentadiene	μg/l	< 10
Hexachloroethane	μg/l	< 10
Indeno(1,2,3-cd)pyrene	μg/1	< 10
Isophorone	μg/l	< 10
Naphthalene	μg/I	< 10
Nitrobenzene	μg/l	< 10
2-Nitrophenol	µg/l	< 15
4-Nitrophenol	μg/l	< 25
N-Nitrosodimethylamine	μg/l	< 10
N-Nitrosodi-n-propylamine	μg/l	< 10
N-Nitrosodiphenylamine	μg/l	< 10
Pentachlorophenol	μg/l	< 51
Phenol	μg/l	< 10
Phenanthrene	μg/l 	< 10
Pyrene	μg/I	< 10
1,2,4- I fichlorobenzene	μg/1	< 10
2,4,0-110000pneno1	μ <u></u> β/Ι	< 20

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QA/QC can be provided upon request. PBC