

3R - 200

REPORTS

DATE:

July 1997



November 5, 1997

Certified Mail

**Return Receipt Nos. P 532 649 088
P 532 649 089**

RECEIVED

NOV 11 1997

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87504

Environment Bureau
Oil Conservation Division

Re: Request for Closure of Eleven Groundwater Locations

Dear Mr. Olson:

I have enclosed closure packages for eleven groundwater locations that were identified during our pit closure project. El Paso Field Services (EPFS) hereby requests your review and approval for closure of these sites.

I have included a summary listing of the eleven locations. If you have any questions regarding this information, please call me at 505/599-2141.

Sincerely,

A handwritten signature in cursive script that reads 'Sandra D. Miller'.

Sandra D. Miller
Environmental Manager

xc: Mr. Bill Liesse, BLM w/o enclosures
Mr. Denny Foust, NMOCD - Aztec w/enclosures

Groundwater Locations
Request for Closure, 11/97

Meter/Line #	Location/Line Name	LTR	Sec	TN	RG	Land Type
74943	NM COM G1	P	36	30	10	1 - State
LD102	2C-22 #1 LINE DRIP	N	35	24	06	2 - Federal
94180	SALAZAR G 34-1	K	34	25	06	2 - Federal
89230	JOHNSTON FEDERAL #3A	I	12	30	09	2 - Federal
73079	Mae Gail Com #1	E	24	29	11	4 - Fee
70862	MCGRATH #1	F	07	30	11	4 - Fee
93156	MARY ACKROYD #1	J	18	30	11	4 - Fee
93828	JACQUEZ #3	E	25	30	09	4 - Fee
94984	ANDERSON GAS COM A#1 PC	C	28	29	10	4 - Fee
93296	GALLEGOS CANYON UNIT 188E	B	30	29	12	4 - Fee
93462	GALLEGOS CANYON UT 145 E	D	26	29	12	4 - Fee

} filed
individually
in
case files

SAN JUAN BASIN PIT CLOSURES
San Juan Basin, New Mexico

Pit Closure Report

July 1997

RECEIVED

NOV 11 1997

Environmental Bureau
Oil Conservation Division

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 17520

PHILIP
ENVIRONMENTAL

Closure Checklist

Meter Code

89230

Summary
Site Map
Site Assessment Sheet

☒
☒
☒

Phase I Excavation

Y

closure form
soil analytical results
soil chain-of-custody
groundwater analytical results
groundwater chain-of-custody

☒
☒
☒
☐
☐

Phase II Soil Boring

Y

boring log
soil analytical results
soil chain-of-custody
well installation form
development form
groundwater analytical
groundwater chain-of-custody

☒
☒
☒
☒
☒
☒
☒

Phase III Excavation

closure form
soil analytical results
soil chain-of-custody
groundwater analytical
groundwater chain of-custody

☐
☐
☐
☐
☐

Recon/Geoprobe

groundwater analytical
soil-gas analytical

☐
☐

If item boxes are not checked they are not applicable



Environmental Services Group
Southern Region

**Johnston Federal #3A
Meter Code 89230**

Pit was excavated to 12 feet beneath ground surface. The headspace soil reading from the excavation bottom was 391 parts per million. Soil analytical were as follows; benzene - 22.7 mg/kg, total BTEX - 1,940 mg/kg, TPH - 9,580 mg/kg.

One soil boring was completed and a monitoring well was installed. A soil sample was collected from 55-57 feet beneath ground surface. Soil analytical results were as follows: benzene - <0.03 mg/kg, total BTEX - 6.04 mg/kg, TPH - 154 mg/kg. The groundwater monitoring well was sampled for 5 quarters. Four consecutive quarters were below standards. Groundwater analytical results were as follows:

Initial: benzene - 63.0 ppb, toluene - 90.0 ppb, ethyl benzene - 35.0 ppb, total xylenes - 670 ppb

Quarter 1: benzene-12.9 ppb, toluene-5.3 ppb, ethyl benzene-5.29 ppb, total xylenes-138 ppb.

Quarter 2: benzene-8.21 ppb, toluene-1.56 ppb, ethyl benzene-6.63 ppb, total xylenes-96.2 ppb.

Quarter 3: benzene-6.76 ppb, toluene-1.01 ppb, ethyl benzene-5.55 ppb, total xylenes-44.6 ppb.

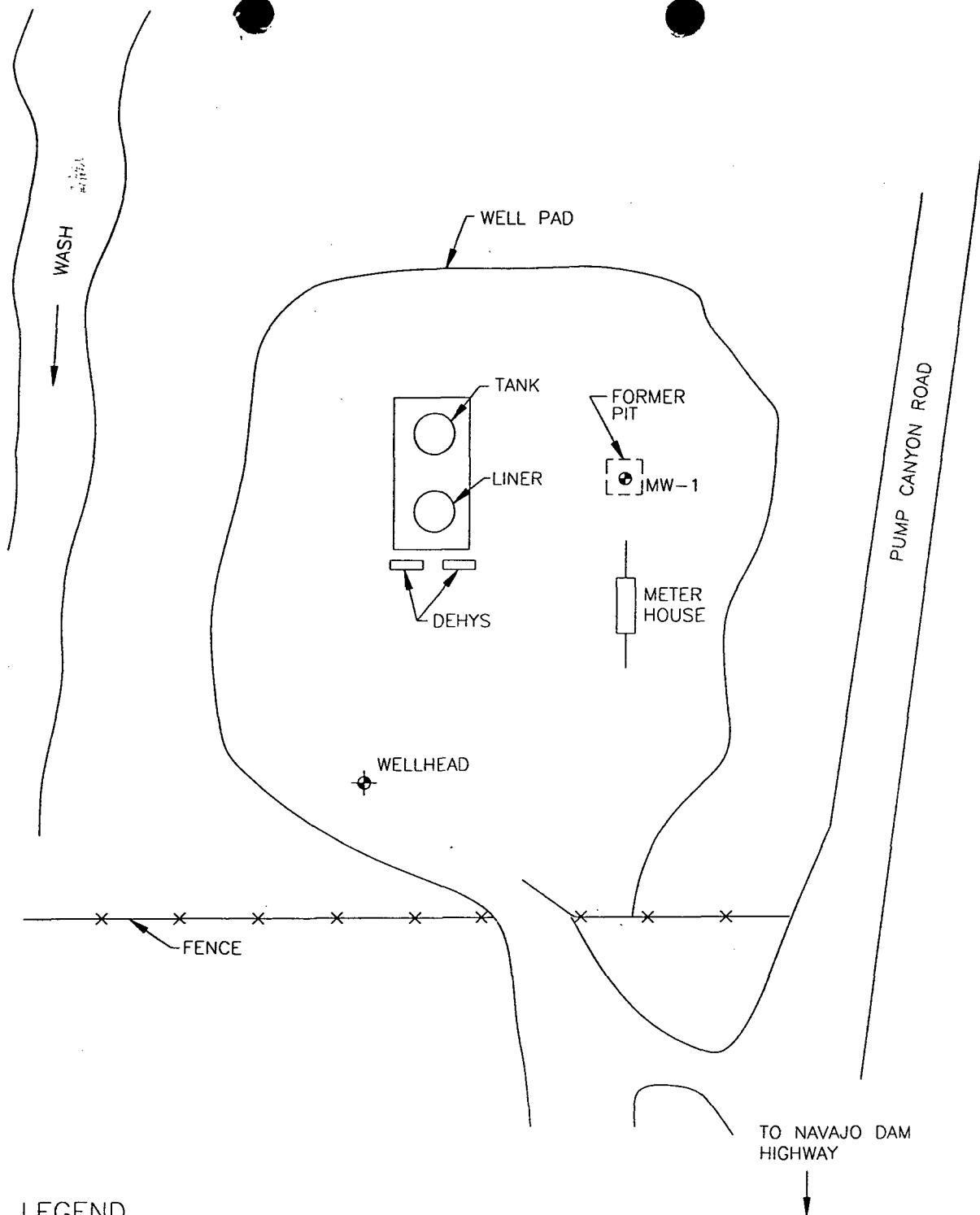
Quarter 4: benzene-4.23 ppb, toluene-1.19 ppb, ethyl benzene-3.07 ppb, total xylenes-41.1 ppb.

Quarter 5: benzene-6.15 ppb, toluene-<1 ppb, ethyl benzene-5.63 ppb, total xylenes-50.8 ppb.

This site is ready for closure based on the following:

- Soil boring samples were below standards on benzene, and total BTEX.
- Groundwater samples from MW-1 were below standards for four consecutive quarters.





LEGEND

● MW-1 APPROXIMATE WELL LOCATION AND NUMBER

NOT TO SCALE



COL. 17520H-001

PHILIP
ENVIRONMENTAL

TITLE: JOHNSTON FED 3A 89230

DWN:	TMM	DES.:	CC
CHKD:	CC	APPD:	
DATE:	7/17/97	REV.:	0

PROJECT NO.: 17520
EPFS GW PITS

FIGURE 1

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89230 Location: JOHNSTON FEDERAL #3A
 Operator #: 0203 Operator Name: Amoco P/L District: BLOOMFIELD
 Coordinates: Letter: I Section 12 Township: 30 Range: 9
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator ☒ Location Drip: _____ Line Drip: _____ Other: _____
 Site Assessment Date: 4-27-94 Area: 10 Run: 22

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps) Inside ☒ (1) Outside ☐ (2)
 Land Type: BLM ☒ (1) State ☐ (2) Fee ☐ (3) Indian _____

Depth to Groundwater
 Less Than 50 Feet (20 points) ☒ (1)
 50 Ft to 99 Ft (10 points) ☐ (2)
 Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :
 Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
 Less Than 200 Ft (20 points) ☐ (1)
 200 Ft to 1000 Ft (10 points) ☒ (2)
 Greater Than 1000 Ft (0 points) ☐ (3)

Name of Surface Water Body MANGA CANYON
DRAINAGE OFF OF PUMP CANYON
 (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
 Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 30 POINTS

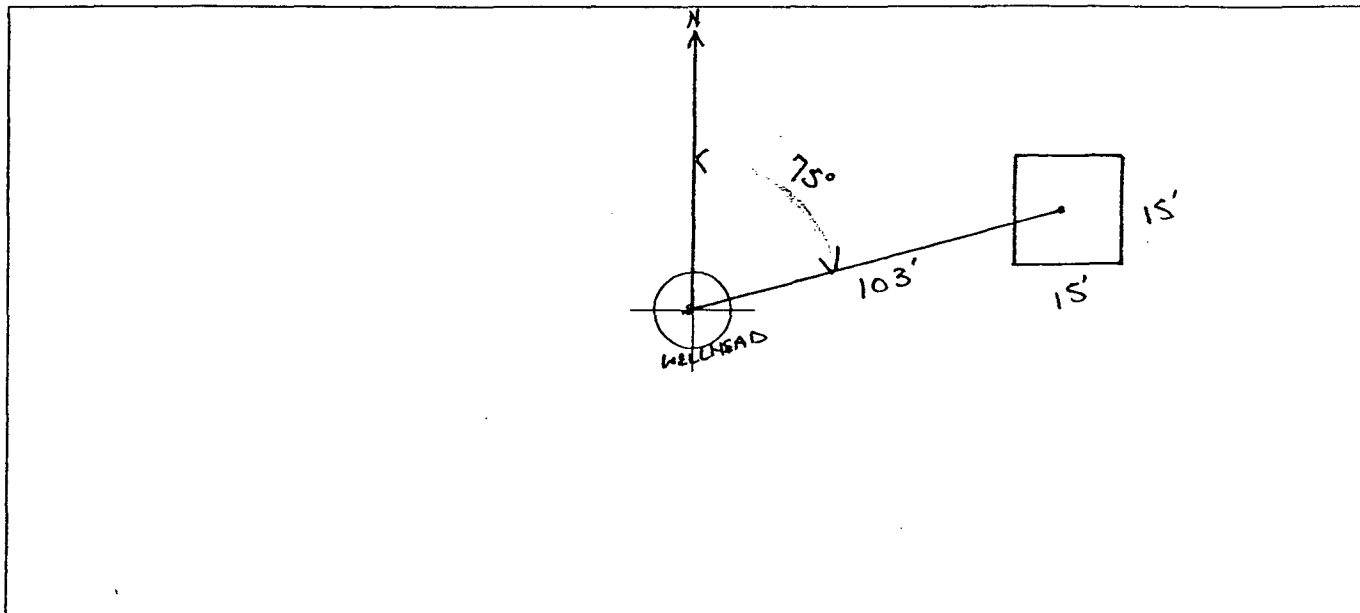
REMARKS

Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY.
LOCATION BORDERS MANGA CANYON. REDLINE AND TOPO CONFIRMED LOCATION TO
BE INSIDE V.Z.

DIG AND HAUL

ORIGINAL PIT LOCATION

b) Length : 15' Width : 15' Depth : 2'



REMARKS

TOOK PICTURES AT 10:58 A.M.

END DUMP

Pat Simpson

4.27.94

Date _____

Phase I Excavation

PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89230 Location: JOHNSTON FEDERAL # 3A
 Coordinates: Letter: I Section 12 Township: 30 Range: 9
 Or Latitude _____ Longitude _____
 Date Started : 5-20-94 Area: 10 Run: 22

FIELD OBSERVATIONS

Sample Number(s): KP#61
 Sample Depth: 12' Feet
 Final PID Reading 391 PID Reading Depth 12' Feet
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☒ (1) Approx. Cubic Yards 40
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☐ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☒ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-20-94 Pit Closed By: BET

REMARKS

Remarks : Some line markers on location Pit looks
Dry started Remediating 12'

Signature of Specialist: Kelly Padilla

**FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT****SAMPLE IDENTIFICATION**

SAMPLE NUMBER:	Field ID KP61	Lab ID 945250
MTR CODE SITE NAME:	89230	Johnston Fed #3A
SAMPLE DATE TIME (Hrs):	5/20/94	851
PROJECT:	Phase I Drilling Excavation	
DATE OF TPH EXT. ANAL.:	5/24/94	5/24/94
DATE OF BTEX EXT. ANAL.:	5/26/94	5/27/94
TYPE DESCRIPTION:	VC	Gray clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	22.7	MG/KG	10	D		
TOLUENE	715	MG/KG	10	D,D1		
ETHYL BENZENE	107	MG/KG	10	D		
TOTAL XYLENES	1095	MG/KG	10	D,D1		
TOTAL BTEX	1940	MG/KG				
TPH (418.1)	9,580	MG/KG			1.02	28
HEADSPACE PID	391	PPM				
PERCENT SOLIDS	79.5	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 145 for this sample All QA/QC was acceptable.

The "D" qualifier indicates reported result for analyte is calculated on a secondary dilution factor.

The "D1" qualifier indicates that the analyte concentration exceeded the calibration curve limit.

Surrogate recovery outside EPA QC limits due to matrix interference

DF = Dilution Factor Used

Approved By: John Larch

INGVZPIT.XLS

Date: 5/27/94

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER 11957			PROJECT NAME Pit Closure Project # 24324			CONTACT LABORATORY P. O. NUMBER			
SAMPLERS: (Signature) <i>Kelly Padilla</i>			DATE 5-20-94			REMARKS			
LABID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	SQ 529
74	5-20-94	0851	Soil	KP # 61	1	VC	Y	Y	55
94	5-20-94	1100	soil	KP # 62	1	VC	Y	Y	56
94	5-20-94	1310	soil	KP # 63	1	VC	Y	Y	57
[Signature Line]									
RELINQUISHED BY: (Signature) <i>Kelly Padilla</i>			DATE/TIME 5/20/94 1645			RECEIVED BY: (Signature) <i>Brenda Liss</i>			DATE/TIME 5/23/94 0915
RELINQUISHED BY: (Signature)			DATE/TIME			RECEIVED BY: (Signature)			DATE/TIME
REQUESTED TURNAROUND TIME: ☐ ROUTINE ☐ RUSH			SAMPLE RECEIPT REMARKS			RESULTS & INVOICES TO:			
CARRIER CO.			CHARGE CODE			FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499			
BILL NO.:			505-599-2144			FAX: 505-599-2261			

Phase II Soil Boring

10-22 Bloomfield

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well # MW-1

Page 1 of 2

Project Name EPNG PITS

Project Number 14509 Phase 6000 77

Project Location Pump Canyon

Well Logged By ST Pope

Personnel On-Site Jim OKiet

Contractors On-Site N/A

Client Personnel On-Site N/A

Drilling Method 4 1/4" ID HSA

Air Monitoring Method PID, CGI

Elevation

Borehole Location Johnston Federal #3A 8923D

GWL Depth 67.5

Logged By S. Pope

Drilled By M DONOHUE

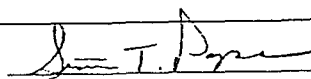
Date/Time Started 1000 6/13/95

Date/Time Completed 0800 6/14/95

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	HS	
0				Brown Sandy Fill						
5										
10	1	10 12	SS 6	Gray Sand w/ silt and trace Clay, fine sand, loose, slightly Moist	SM		0	0	540	1025 strong odor HS = 1094 ppm
15	2	15 17	SS 6	SAT			0	23	622	1031 HS = 1132 ppm
20	3	20 22	SS 8	Gray Sandy Clay w/ silt, fine Sand, loose, slightly Moist	SC	20	0	86	448	1050 HS = 690 ppm
25	4	25 27	SS 14	Gray Sand, trace silt and clay fine-Med Grained, slightly Moist	SP		0	235	392	1058 HS = 973 ppm
30	5	30 32	SS 18	SAA Med CO Grained	SP		0	56	277	1105 HS = 1249 ppm
35	6	35 37	SS 10	SAA trace Clay			0	111	421	1115 Not enough for hood spec
40										

Comments:

Geologist Signature



RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well #

Page 1 of 2

Project Name

EPNG PITS

Project Number

14509

Phase

6000 77

Project Location

Pump Canyon

Well Logged By

ST Pope

Personnel On-Site

Jim Okiet

Contractors On-Site

N/A

Client Personnel On-Site

N/A

Elevation

Borehole Location Johnston Federal #3A

GWL Depth

57.5

Logged By

S. Pope

Drilled By

M DONOHUE

Date/Time Started

1000 6/13/95

Date/Time Completed

0800 6/14/95

Drilling Method

4 1/4" ID HSA

Air Monitoring Method

PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	HS	
40	7	40 42	35 8	Gray Sand, Med Co grain, loose, trace silt, slightly moist	SP	42	0	102	435	1126 Not enough for head sp Driller Noted Change @ 42'
45	8	45 47	33 6	Gray Clayey Sand - Med - Coarse Sand w/ silt, loose, slightly moist	SC		2	166	292	1142 Not enough for 1142 ppm
50	9	50 52	33 14	Brownish Gray Sand, trace silt and med gravel, loose, slightly moist	SP	50	2	171	301	1157 HS = 456 ppm
55	10	55 57	33 13	Gray Clayey Sand Med Coarse Sand, Med dense, Moist @ Bottom	SC	55	2	90	115	1214 HS = 950 ppm
60	11	60 62	33 18	Brown Gray inner bedded sand and clay, med. coarse sand, med silt, clay, med stiff, saturated			2	86	0	1315 HS = 11 ppm WL = 57.5 BGS 1530 Ream hole w/ 6 1/4 1530 - 1930 6/13/95 Try to Ream hole w/ 6 1/4 ID Auger Had problem w/ Side wall restriction. Stop @ 52' 1930 6/13/95 Will Resume 6/14/95 - 6/14/95 0700 - 0800 Cont. Reaming hole w/ 6 1/4 Augers to 70'
70				TOB - 70						

Comments:

Will set 4" well @ 67' w/ 15' screen. Will set well 6/14/95 if we can
get Augers to 67' 6/14/95 0700 - 0800 Ream to 70' to install well. Over drilled 3'
to compensate for heaving sands. * NOTE: Hazard Ranking changed Groundwater Greater than 50'

Geologist Signature

John T. [Signature]

**FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT****SAMPLE IDENTIFICATION**

SAMPLE NUMBER:	Field ID STP3	Lab ID 946897
MTR CODE SITE NAME:	89230	Johnston Fed #3A
SAMPLE DATE TIME (Hrs):	6/13/95	1214
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	6/15/95	6/15/95
DATE OF BTEX EXT. ANAL.:	6/16/95	6/16/95
TYPE DESCRIPTION:	VG	Dark gray clay w/brown

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.03	MG/KG				
TOLUENE	0.31	MG/KG				
ETHYL BENZENE	0.31	MG/KG				
TOTAL XYLENES	5.40	MG/KG				
TOTAL BTEX	6.04	MG/KG				
TPH (418.1)	154	MG/KG			2.02	28
HEADSPACE PID	950	PPM				
PERCENT SOLIDS	86.9	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 116 for this sample All QA/QC was acceptable.

Narrative:

ATI analyzed this sample.

DF = Dilution Factor Used

Approved By: _____

INGVZPIT.XLS

Date: 6/28/95



Page _____ of _____

© - Testing Laboratory Cannary - EFMG Ltd Pink Pink *Enviroment*

MONITORING WELL INSTALLATION RECORD

Philip Environmental Services Corp.
4000 Monrovia Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well # MW-1
Page 1 of 1

Project Name EPNG Pits Drilling

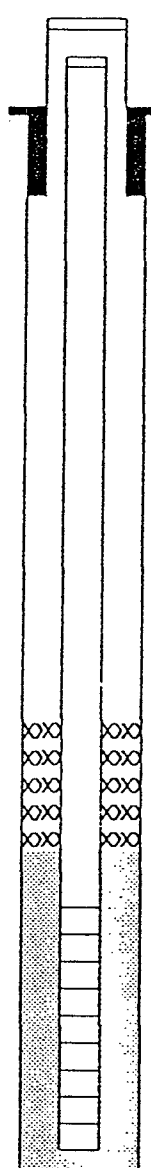
Project Number Phase
Project Location Pump Canyon

Elevation
Well Location Johnston Federal #3A 89230
GWL Depth 57.5
Installed By M. Donohue

On-Site Geologist S. Pope
Personnel On-Site J. Okel, M. Donohue
Contractors On-Site N/A
Client Personnel On-Site N/A

Date/Time Started 0800 6/14/95
Date/Time Completed 1130 6/14/95

Depths in Reference to Ground Surface		
Item	Material	Depth
Top of Protective Casing		N/A
Bottom of Protective Casing		N/A
Top of Permanent Borehole Casing		N/A
Bottom of Permanent Borehole Casing		N/A
Top of Concrete		N/A
Bottom of Concrete		N/A
Top of Grout	Cement/Bentonite	0.0
Bottom of Grout	(5%)	45.8
Top of Well Riser	4" Sch 40 PVC	43.1
Bottom of Well Riser		51.6
Top of Well Screen	4" Sch 40	51.6
Bottom of Well Screen	PVC .010 Slot	67.0
Top of Peltonite Seal	No. 8 Gravel	45.8
Bottom of Peltonite Seal	Enviro Plug	48.0
Top of Gravel Pack	10-20 Silica	48.0
Bottom of Gravel Pack		70
Top of Natural Cave-In		N/A
Bottom of Natural Cave-In		N/A
Top of Groundwater		57.5
Total Depth of Borehole		70



Top of Protective Casing N/A
Top of Riser 3.1
Ground Surface

Top of Seal 45.8
Top of Gravel Pack 48.0
Top of Screen 51.6
Bottom of Screen 67
Bottom of Borehole 70

Comments: Borehole was over drilled 3' to compensate for heavy sands. 11 1/2 50 lb Bags 10-20 Sand, 1 1/2 50 lb Bags Enviro Plug, 14 Bags Portland Cement, 1 1/2 50 lb Bags Bentonite powder. WL = 57.2 BGS after Installation

Geologist Signature

S. T. Pope



Well Development and Purging Data

Johnston Federal 3A
Well Number MW-1 89230

☒ Development
☐ Purging

Serial No. WDPD-

Page of

Project Name ERNG P4 Drilling

Project Manager Cary Chance

Project No. 14509

Client Company EPALG

Phase Task No. 6003 77

Site Name Johnston Federal 3A (89230)

Site Address Pump Canyon

Development Criteria

- ☒ 3 to 5 Casing Volumes of Water Removal
☒ Stabilization of Indicator Parameters
☐ Other

Methods of Development

- Pump
☐ Centrifugal ☒ Bottom Valve
☒ Submersible ☐ Double Check Valve
☐ Peristaltic ☐ Stainless-steel Kemmerer
☐ Other

Water Volume Calculation

Initial Depth of Well (feet) 70.38
Initial Depth to Water (feet) 60.24
Height of Water Column in Well (feet) 10.14
Diameter (inches): Well 4 Gravel Pack

Item	Water Volume In Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		6.6	6.6
Gravel Pack			
Drilling Fluids			
Total			33.0

Instruments

- Serial No. (If applicable)
☒ pH Meter Hydac
☐ DO Monitor
☒ Conductivity Meter Hydac
☒ Temperature Meter Hydac
☐ Other

Water Disposal

Discharged and taken to Kutz Pipeline

Water Removal Data

Date	Time	Development Method	Pump	Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons)		Temperature °F	pH	Conductivity (umho/cm)	Dissolved Oxygen (mg/L)	Comments
							Increment	Cumulative					
7/13/95	1115	X	✓				5	5	67.8	6.46	928		Brackish Cloudy
	1145		X				5	10	68.2	6.54	1038		
	1203						5	15	67.0	6.52	1299		
	1220						5	20	65.9	6.40	1300		
	1237						5	25	64.1	6.51	1400		
	1254						5	30	66.0	6.50	1404		
7/13/95	1312						5	35	66.1	6.47	1400		Brown Slightly Cloudy

Circle the date and time that the development criteria are met.

Comments Had problems w/ Pump had to pull pump and hand bail.

Developer's Signature(s) [Signature]

Date 7/13/95

Reviewer STP Date 7/14/95



Water Sampling Data

Location No. Johnston Federal 3A, MW-1
(89230)

Serial No. WSD- _____

Group List Number _____

Sample Type: ☒ Groundwater ☐ Surface Water ☐ Other _____

Date 7/13/95

Project Name EPNG P. & Drilling

Project No. 14509

Project Manager Cory Chance

Phase/Task No. 6008 . 77

Site Name Johnston Federal 3A (89230)

Sampling Specifications

Requested Sampling

Depth Interval (feet) TOP 3'

Requested Wait Following

Development/Purging (hours) N/A

Initial Measurements

Time Elapsed From Final Development/Purging (hours) .5

Initial Water Depth (feet) 60.24 (TOR)

Nonaqueous Liquids Present (Describe) N/A

Water Quality/Water Collection

DO = Dissolved Oxygen; Cond. = Conductivity

Date	Time	Sampler Initials	Water Quality Readings				Water Collection Data					Notes (Explain in Comments Below)
			Temp. (°C)	pH	DO (mg/L)	Cond. (µmhos/ cm)	Volume Removed (gallons)	Removal Rate (gal/min)	Pump Intake Depth (feet)	Bail	Final Water Depth (feet)	
See Well Development and Purging Data Sheet												

Container Type: G = Clear Glass; A = Amber Glass; P = Plastic; V = VOA Vial (Glass); O = Other (Specify)

Sample Containers

Preservatives: H = HCl; N = HNO₃; S = H₂SO₄; A = NaOH; O = Other (Specify); - = None

Analytical Parameter List	Container			Field Filtered		Preserved	Cooled During Collection		Comments
	Number	Type	Volume (mL)	Yes	No		Yes	No	
BTEX	2	40	GA		X	HCL	X		STP-07 1345
BTEX	2	40	A		X	HCL	X		STP-08 1350 P
TDS	1	250	P		X	-	X		STP-09 1355
TDS	1	250	P		X	-	X		STP-10 1400
BTEX	1	40	A		X		X		STP-11 TRIP Blank 1405

Filter Type _____

Chain-of-Custody Form Number _____

Comments _____

Signature Steven T. Page

Date 7/13/95

Reviewer STP Date 7/14/95



EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	STP07&09	946996
MTR CODE SITE NAME:	89230	Johnson Fed #3A MW-1
SAMPLE DATE TIME (Hrs):	7/13/95	1345
PROJECT:	Phase II Drilling-Initial	
DATE OF BTEX EXT. ANAL.:	7/20/95	7/20/95
TYPE DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	63.0	PPB				
TOLUENE	90.0	PPB				
ETHYL BENZENE	35.0	PPB				
TOTAL XYLENES	670	PPB				
TOTAL BTEX	858	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 98.0 for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

This sample was tested by ATI Analytical.

Approved By: _____

John Linder

Date: _____

8/3/95

PROJECT NAME # 24324 Pit Closure Project				CONTRACT LABORATORY P. O. NUMBER			
DATE: 7/13/95							
SAMPLERS: (Signature) <i>Steve T. Dore</i>							
LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS
							TPH EPA 418.1 BTX EPA 8020 LAB PID SEQUENCE #
946996	7/13/95	1345	Water	STP-07	2	W	X STP-07 1
946997	7/13/95	1350	Water	STP-08	2	W	X 1
946998	7/13/95	1355	Water	STP-09	1	W	X 2
946999	7/13/95	1400	Water	STP-10	1	W	X 3
947000	7/13/95	1405	Water	STP-11	1	W	X 4
947001	7/13/95	1650	Water	STP-12	2	W	X 5
947002	7/13/95	1655	Water	STP-13	1	W	X 6
7/14/95							
RELINQUISHED BY: (Signature) <i>Steve T. Dore</i>				DATE/TIME 3:40		RECEIVED BY: (Signature) <i>Kelly Stowell</i>	
RELINQUISHED BY: (Signature) <i>Steve T. Dore</i>				DATE/TIME 7/13/95 1740		RECEIVED BY: (Signature) <i>Kelly Stowell</i>	
REQUESTED TURNAROUND TIME: ☐ ROUTINE ☐ RUSH				SAMPLE RECEIPT REMARKS			
CARRIER CO.				CHARGE CODE			
BILL NO.:				505-599-2144			
				RESULTS & INVOICES TO:			
				FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499			
				FAX: 505-599-2261			

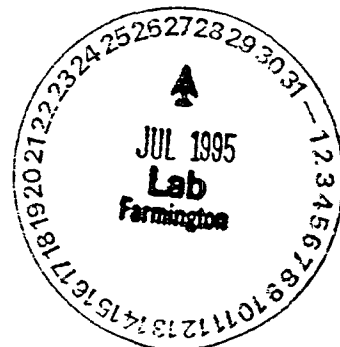


Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 07/19/95
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE/PHASE II DRIL REPORT DATE : 07/25/95

ATI ID: 507358

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	946991	NON-AQ	07/13/95
02	946992	NON-AQ	07/13/95
03	946993	NON-AQ	07/13/95
04	946994	NON-AQ	07/13/95
05	946995	NON-AQ	07/13/95
06	946996	AQUEOUS	07/13/95
07	946997	AQUEOUS	07/13/95
08	946998	AQUEOUS	07/13/95
09	946999	AQUEOUS	07/13/95
10	947005	NON-AQ	07/14/95
11	947006	NON-AQ	07/14/95
12	947007	NON-AQ	07/17/95
13	947008	NON-AQ	07/17/95
14	947009	NON-AQ	07/17/95
15	947019	AQUEOUS	07/17/95



---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	5
NON-AQ	10

ATI STANDARD DISPOSAL PRACTICE

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



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST	: EPA 8015 MODIFIED	ATI I.D.	: 507358
BLANK I.D.	: 072095	MATRIX	: NON-AQ
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: 07/20/95
PROJECT #	: 24324	DATE ANALYZED	: 07/22/95
PROJECT NAME	: PIT CLOSURE/PHASE II DRIL	DILUTION FACTOR	: 1

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<5
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-

SURROGATE:

O-TERPHENYL (%)	110
-----------------	-----

Handwritten signature
7/21/95



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : EPA 8015 MODIFIED
MSMSD # : 072095 ATI I.D. : 507358
CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/20/95
PROJECT # : 24324 DATE ANALYZED : 07/22/95
PROJECT NAME : PIT CLOSURE/PHASE II DRIL SAMPLE MATRIX : NON-AQ
REF. I.D. : 072095 UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
FUEL HYDROCARBONS	<5	100	120	120	110	110	9

JS 7/21/95

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

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



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST	: BTEX (EPA 8020)	ATI I.D.	: 507358
BLANK I.D.	: 072095	MATRIX	: AQUEOUS
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: NA
PROJECT #	: 24324	DATE ANALYZED	: 07/20/95
PROJECT NAME	: PIT CLOSURE/PHASE II DRIL	DILUTION FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATE:

BROMOFLUOROBENZENE (%)	103
------------------------	-----



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST	: BTEX (EPA 8020)	ATI I.D.	: 507358
BLANK I.D.	: 072095B	MATRIX	: AQUEOUS
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: NA
PROJECT #	: 24324	DATE ANALYZED	: 07/20/95
PROJECT NAME	: PIT CLOSURE/PHASE II DRIL	DILUTION FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATE:

BROMOFLUOROBENZENE (%)	101
------------------------	-----



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST	: BTEX (EPA 8020)	ATI I.D.	: 507358
BLANK I.D.	: 072195	MATRIX	: AQUEOUS
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: NA
PROJECT #	: 24324	DATE ANALYZED	: 07/21/95
PROJECT NAME	: PIT CLOSURE/PHASE II DRIL	DILUTION FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATE:

BROMOFLUOROBENZENE (%)	104
------------------------	-----



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : BTEX (EPA 8020)
MSMSD # : 50735809 ATI I.D. : 507358
CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : NA
PROJECT # : 24324 DATE ANALYZED : 07/20/95
PROJECT NAME : PIT CLOSURE/PHASE II DRIL SAMPLE MATRIX : AQUEOUS
REF. I.D. : 50735809 UNITS : UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	2.0	10	12	100	12	100	0
TOLUENE	<0.5	10	10	100	10	100	0
ETHYLBENZENE	<0.5	10	11	110	11	110	0
TOTAL XYLENES	<0.5	30	32	107	32	107	0

JP
7/31/95

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

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



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST	: BTEX (EPA 8020)	ATI I.D.	: 507358
BLANK I.D.	: 071995	MATRIX	: NON-AQ
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: 07/19/95
PROJECT #	: 24324	DATE ANALYZED	: 07/20/95
PROJECT NAME	: PIT CLOSURE/PHASE II DRIL	DILUTION FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025

SURROGATE:

BROMOFLUOROBENZENE (%)	112
------------------------	-----

JS
7/31/95



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : BTEX (EPA 8020)
MSMSD # : 50735703 ATI I.D. : 507358
CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/19/95
PROJECT # : 24324 DATE ANALYZED : 07/19/95
PROJECT NAME : PIT CLOSURE/PHASE II DRIL SAMPLE MATRIX : NON-AQ
REF. I.D. : 50735703 UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.025	1.0	1.1	110	1.1	110	0
TOLUENE	<0.025	1.0	1.1	110	1.1	110	0
ETHYLBENZENE	<0.025	1.0	1.1	110	1.1	110	0
TOTAL XYLENES	<0.025	3.0	3.3	110	3.4	113	3

8 -
7/31/95

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

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



Analytical Technologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 7/18/95 PAGE 2 OF 2

ATI LAB I.D.
507358

PROJECT MANAGER: JOHN LAMB DIN

COMPANY: EL PASO NATURAL GAS

ADDRESS: P.O. BOX 4990

FARMINGTON, NM 87499

PHONE: (505) 599-2144

FAX: (505) 599-2261

BILL TO: SAME AS ABOVE

COMPANY:

ADDRESS:

ANALYSIS REQUEST

(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTEX/MTBE (MOD 8015/8020)	BTEX/MTBE (8020)	BTEX (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by LP (1311)
			X															
			X															
			X															
			X															
			X															
			X															

SAMPLE ID DATE TIME MATRIX LAB ID

9447005	7/14/95	11:23	Soil	-10
9447006	7/14/95	15:25	↑	-11
9447007	7/17/95	09:20	↑	-12
9447008	7/17/95	11:33	↓	-13
9447009	7/17/95	13:20	Soil	-14
9447019	7/17/95	15:25	Water	-15

PROJECT INFORMATION

PROJ. NO.: 24324	NO. CONTAINERS	Y/N/NA
PROJ. NAME: PIT CLOSURE/Refrill Drill	CUSTODY SEALS	
P.O. NO.: 38822	RECEIVED INTACT	
SHIPPED VIA: FEDERAL EXPRESS	RECEIVED COLD	34°F

SAMPLE RECEIPT

NO. CONTAINERS	Y/N/NA
CUSTODY SEALS	
RECEIVED INTACT	
RECEIVED COLD	34°F

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☒ 72hr	☐ 1 WEEK (NORMAL) ☐ 2 WEEK
Comments: CHARGE CODE: 50% 108-51570-24-XXX1-XX12-31-2010 7210 50% 108-52452-24-XXX1-XX12-31-2010 7210	
QA/QC ON PROJECT SAMPLES	

SAMPLED & RELINQUISHED BY: 1.

Signature:	Time:
Printed Name:	Date:
Company:	Phone:

2.

Signature:	Time:
Printed Name:	Date:
Company:	Phone:

RECEIVED BY: 1.

Signature:	Time:
Printed Name:	Date:
Company:	Phone:

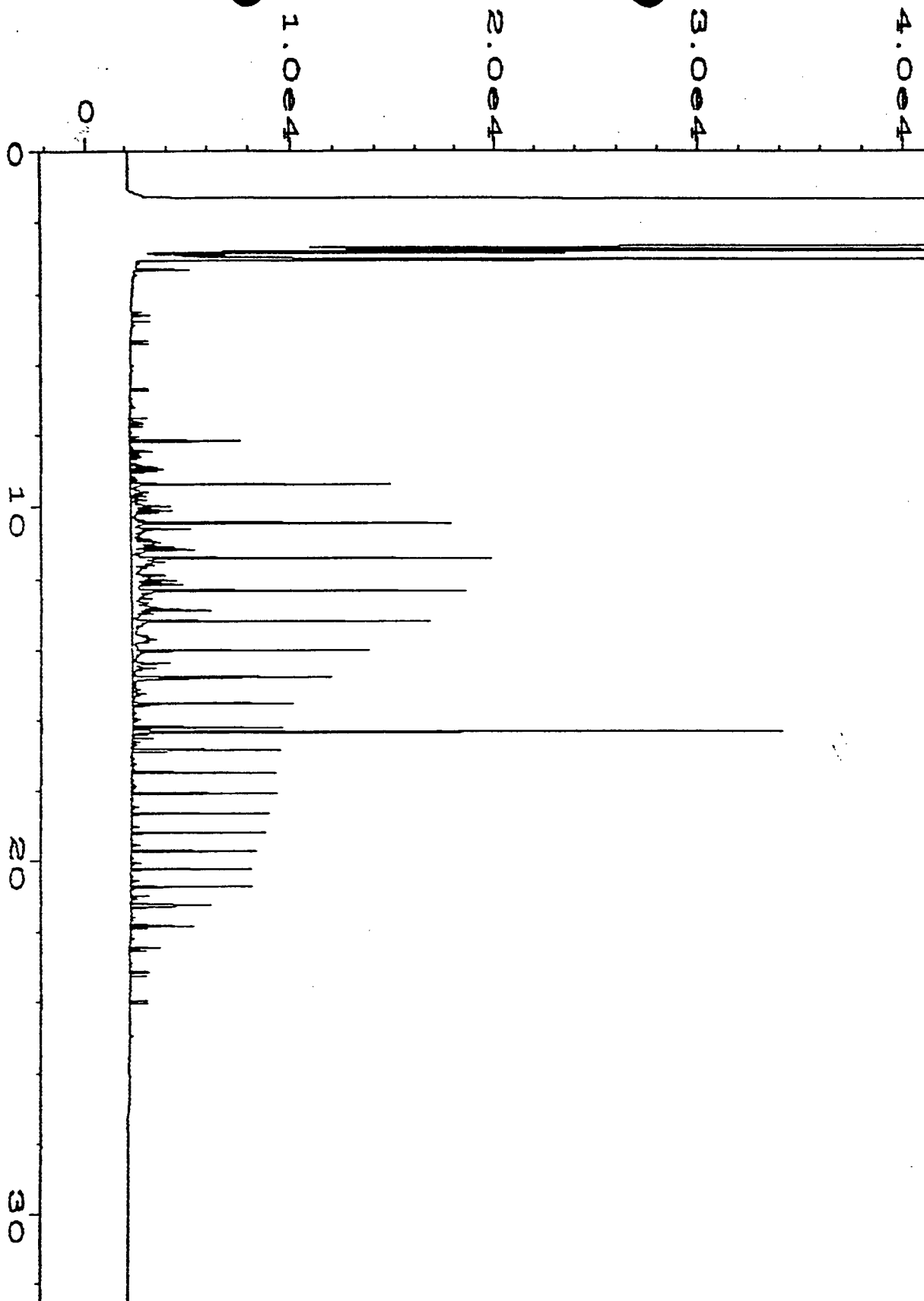
2.

Signature:	Time:
Printed Name:	Date:
Company:	Phone:

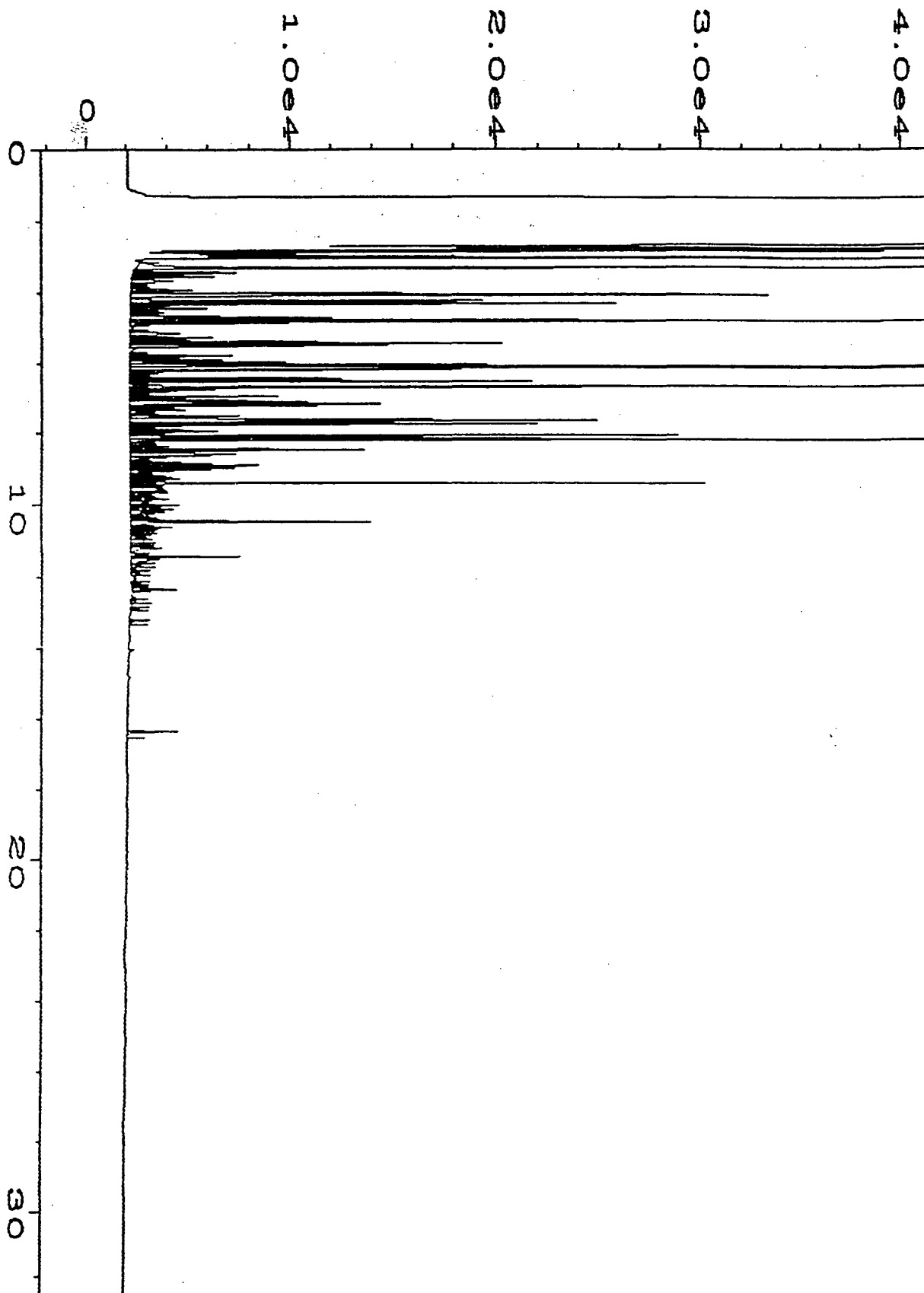
QA/QC ON PROJECT SAMPLES

Analytical Technologies, Inc.

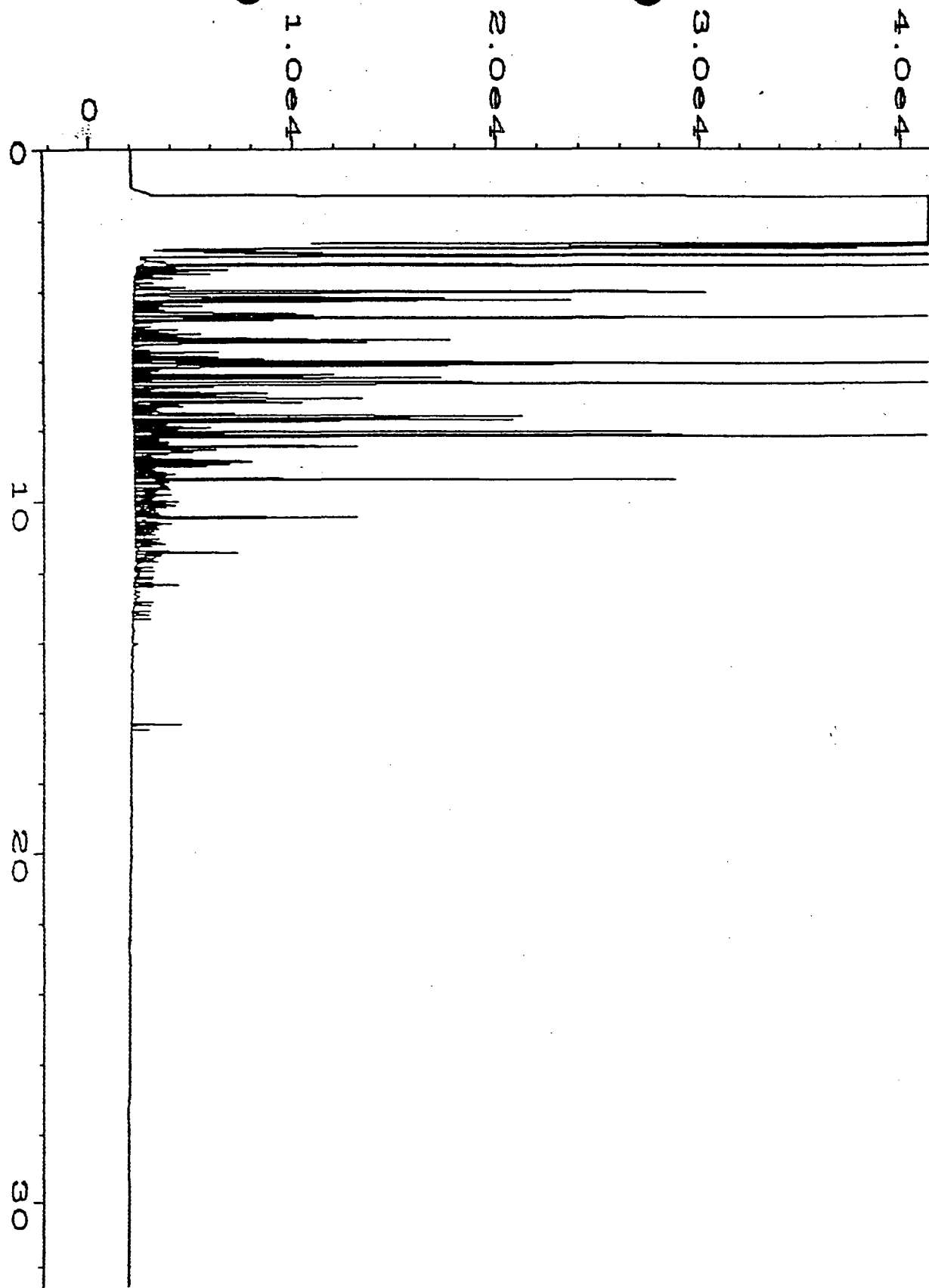
PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.



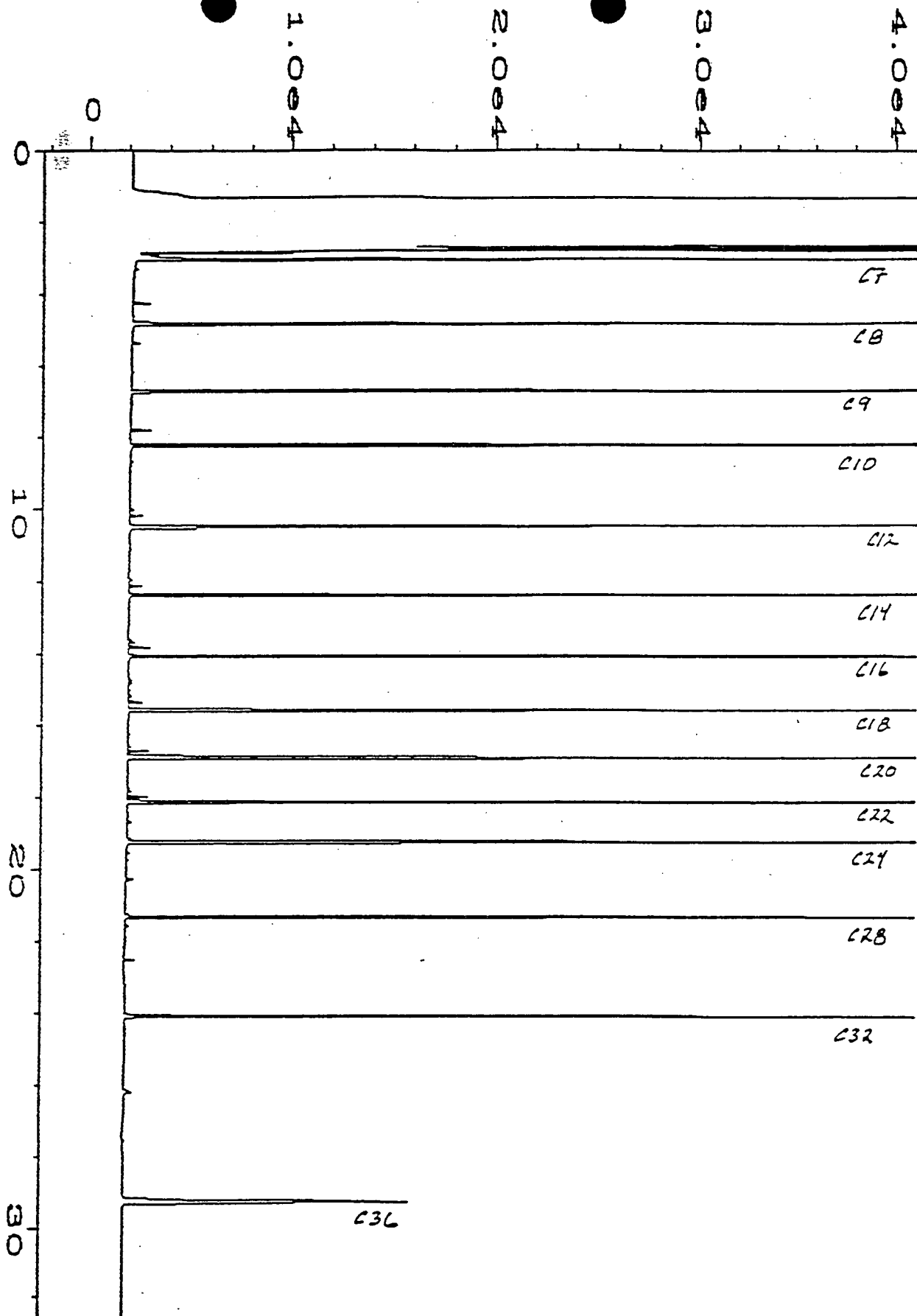
File Name	: C:\HPCHEM\1\DATA\22JUL95\010F0201.D	Page Number	: 1
Operator	: CF & JE & KM	Vial Number	: 10
Instrument	: GC#1 5890	Injection Number	: 1
Sample Name	: 507358-02	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	SDF1219.MTH
Acquired on	: 22 Jul 95 07:43 PM	Analysis Method	: SDF1219.MTH
Report Created on:	22 Jul 95 08:31 PM		



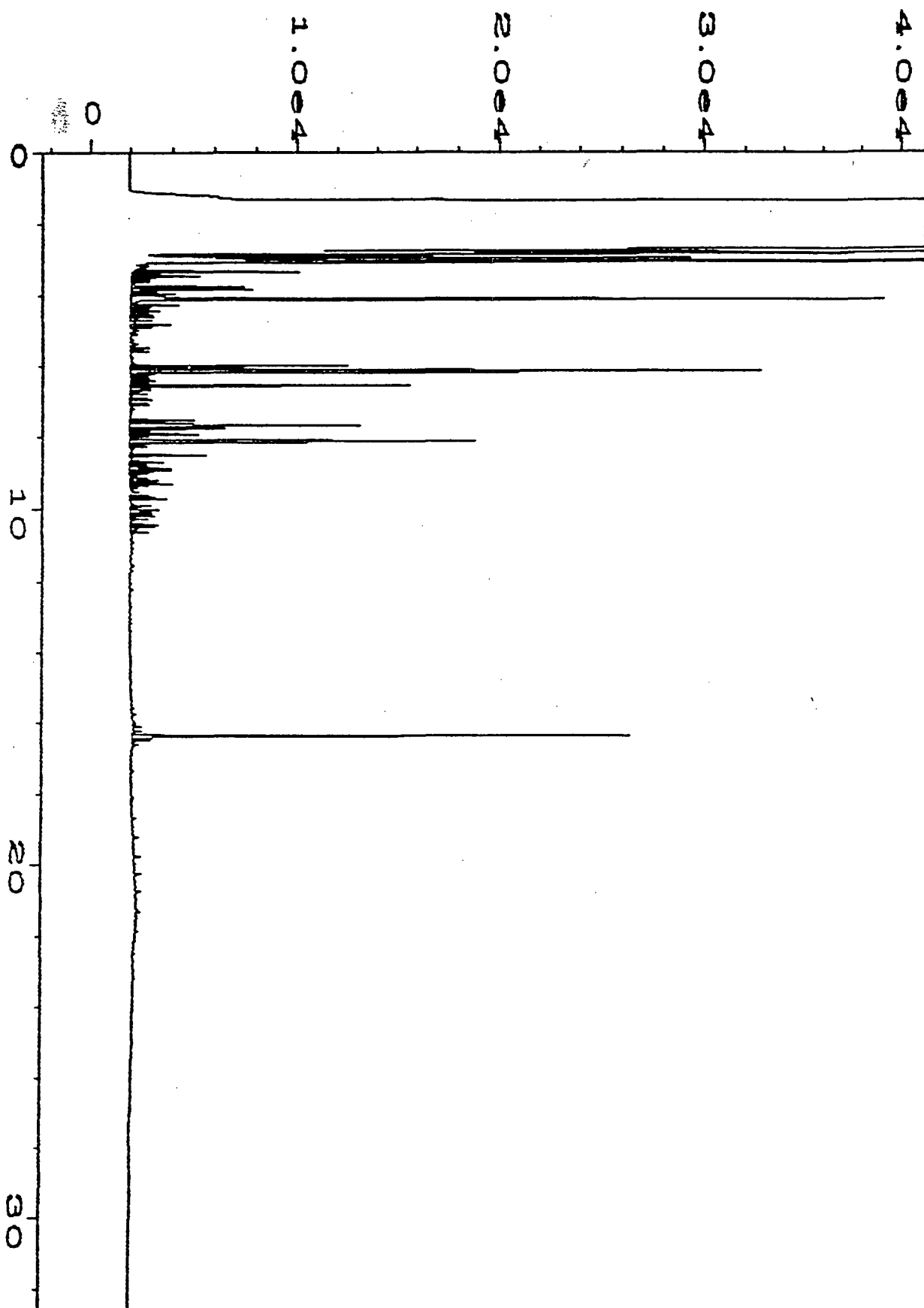
File Name	: C:\HPCHEM\1\DATA\24JUL95\005F0201.D	Page Number	: 1
Operator	: CF & JE & KM	Vial Number	: 5
Instrument	: GC#1 5890	Injection Number	: 1
Sample Name	: 507358-03*10	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	SGF0413.MTH
Acquired on	: 24 Jul 95 02:57 PM	Analysis Method	: SGF0413.MTH
Report Created on:	24 Jul 95 03:31 PM		



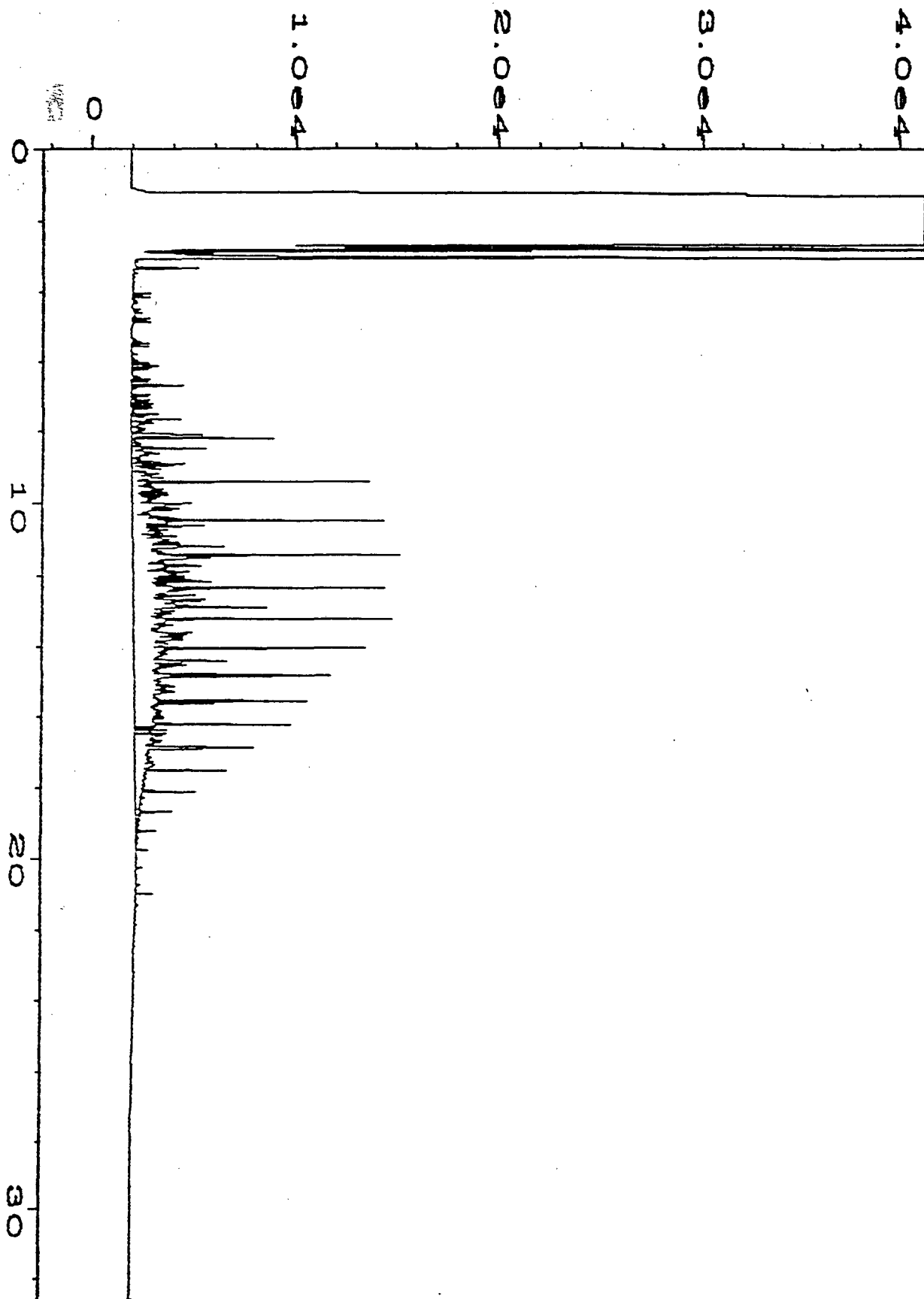
Data File Name	: C:\HPCHEM\1\DATA\24JUL95\006F0201.D	Page Number	: 1
Operator	: CF & JE & KM	Vial Number	: 6
Instrument	: GC#1 5890	Injection Number	: 1
Sample Name	: 507358-04*10	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	SGF0413.MTH
Acquired on	: 24 Jul 95 03:31 PM	Analysis Method	: SGF0413.MTH
Report Created on:	24 Jul 95 04:24 PM		



Meta File Name	: C:\HPCHEM\1\DATA\11APR95\006F0301.D	Page Number	: 1
Operator	: CF & JE & KM	Vial Number	: 6
Instrument	: GC#1 5890	Injection Number	: 1
Sample Name	: RT STD	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	SDF1219.MTH
Acquired on	: 11 Apr 95 01:43 PM		



Data File Name : C:\HPCHEM\1\DATA\14JUL95\004F0201.D		Page Number : 1
Operator : CF & JE & KM		Vial Number : 4
Instrument : GC#1 5890		Injection Number : 1
Sample Name : GAS GC3-57-23		Sequence Line : 2
Run Time Bar Code:		Instrument Method: SGF0413.MTH
Acquired on : 14 Jul 95 05:46 PM		



Data File Name	: C:\HPCHEM\1\DATA\14JUL95\003F0101.D	Page Number	: 1
Operator	: CF & JE & KM	Vial Number	: 3
Instrument	: GC#1 5890	Injection Number	: 1
Sample Name	: DSL GC3-56-13	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	SDF1219.MTH
Acquired on	: 14 Jul 95 04:57 PM		



EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	Field ID N/A	Lab ID 960327
MTR CODE SITE NAME:	89230	Johnson Fed #3A MW-1
SAMPLE DATE TIME (Hrs):	4/10/96	1725
PROJECT:	Sample 4 - 1st Quarter	
DATE OF BTEX EXT. ANAL.:	4/12/96	4/12/96
TYPE DESCRIPTION:	Monitor Well	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	12.9	PPB				
TOLUENE	5.30	PPB				
ETHYL BENZENE	5.29	PPB				
TOTAL XYLENES	138	PPB				
TOTAL BTEX	161	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 97.6 for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Approved By:

John L. Linder

Date:

4/19/96



Natural Company

CHAIN OF CUSTODY RECORD

Object No.	Project Name	Samplers: (Signature)		Date	Receiving Temp (°F)	Total No. of Containers	Chain of Custody Seals	Intact?	Composite or Grab	See Attached	BTX	GENERAL	CHEMISTRY	8 REGR	MEMS	Requested Analysis	Contract Laboratory
	BLOOMFIELD P/L				30°												EPFS
	<i>Pennie Bird</i>			4-10-96													
Lab ID	Date	Time	Matrix	Sample Number													Remarks
	4/10/96	1502	WATER	960325	4				G	X	X	X	X	X	X	W.D. HEATH B-5 (MIL # 87493)	
	4/10/96	1635	WATER	960326	4				G	X	X	X	X	X	X	SANDOVAL GC A #1A (MIL # 89620)	
	4/10/96	1725	WATER	960327	4				G	X	X	X	X	X	X	JOHNSTON FEDERAL #3A	
	4/10/96		WATER		1				G	X						TRIP BLANK (MIL # 89230)	
Relinquished by: (Signature) <i>Pennie Bird</i> Received by: (Signature)																	
Relinquished by: (Signature) Received by: (Signature)																	
Relinquished by: (Signature) Received for Laboratory by: (Signature) <i>Marla Armenta</i>																	
Results & Invoices to: Date Results Reported / by: (Signature)																	

EPFS

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: 960325 through 960327 and 960330 through 960334

QA/QC for 04/12/96 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	XR	ACCEPTABLE	
ICV LA-52589					YES	NO
50 PPB					RANGE	
Benzene	Standard	50.0	47.4	94.8	75 - 125 %	X
Toluene	Standard	50.0	47.8	95.6	75 - 125 %	X
Ethylbenzene	Standard	50.0	48.1	96.2	75 - 125 %	X
m & p - Xylene	Standard	100	96.7	96.7	75 - 125 %	X
o - Xylene	Standard	50.0	48.1	96.2	75 - 125 %	X
SAMPLE NUMBER	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	XR	ACCEPTABLE	
LCS LA-45476					YES	NO
25 PPB					RANGE	
Benzene	Standard	25.0	24.1	96.4	39 - 150	X
Toluene	Standard	25.0	23.8	95.2	46 - 148	X
Ethylbenzene	Standard	25.0	23.9	95.6	32 - 160	X
m & p - Xylene	Standard	50	48.4	96.8	Not Given	X
o - Xylene	Standard	25.0	24.1	96.4	Not Given	X
SAMPLE NUMBER	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	XR	ACCEPTABLE	
CCV LA-52589					YES	NO
50 PPB					RANGE	
Benzene	Standard	50.0	48.5	97.0	75 - 125 %	X
Toluene	Standard	50.0	48.3	96.6	75 - 125 %	X
Ethylbenzene	Standard	50.0	48.1	96.2	75 - 125 %	X
m & p - Xylene	Standard	100	95.8	95.8	75 - 125 %	X
o - Xylene	Standard	50.0	48.2	96.4	75 - 125 %	X
SAMPLE NUMBER	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	XR	ACCEPTABLE	
CCV LA-52589					YES	NO
50 PPB					RANGE	
Benzene	Standard	50.0	49.0	98.0	75 - 125 %	X
Toluene	Standard	50.0	48.8	97.6	75 - 125 %	X
Ethylbenzene	Standard	50.0	48.9	97.8	75 - 125 %	X
m & p - Xylene	Standard	100	97.0	97.0	75 - 125 %	X
o - Xylene	Standard	50.0	49.1	98.2	75 - 125 %	X

Narrative: Acceptable.

EL PASO FIELD SERVICES LAB

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: 960325 through 960327 and 960330 through 960334

LABORATORY DUPLICATES:

SAMPLE ID	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE	
					YES	NO
960331					RANGE	
Benzene	Matrix Duplicate	<1.0	<1.0	0	+/- 20 %	X
Toluene	Matrix Duplicate	<1.0	<1.0	0	+/- 20 %	X
Ethylbenzene	Matrix Duplicate	<1.0	<1.0	0	+/- 20 %	X
m & p - Xylene	Matrix Duplicate	3.13	2.97	5	+/- 20 %	X
o - Xylene	Matrix Duplicate	<1.0	<1.0	0	+/- 20 %	X

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	XR	ACCEPTABLE	
					YES	NO
2nd Analysis 960331					RANGE	
Benzene	50	<1.0	48.5	97.0	75 - 125 %	X
Toluene	50	<1.0	45.1	90.2	75 - 125 %	X
Ethylbenzene	50	<1.0	48.2	96.4	75 - 125 %	X
m & p - Xylene	100	3.13	100	96.6	75 - 125 %	X
o - Xylene	50	<1.0	49.0	98.0	75 - 125 %	X

Narrative: Acceptable.

ADDITIONAL ANALYTICAL BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (Analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (Five blanks analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Approved By:

John L. Linder

Date: 15-Apr-96

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	960657
MTR CODE SITE NAME:	89230	Johnson Fed #3A MW-1
SAMPLE DATE TIME (Hrs):	7/26/96	1452
PROJECT:	Sample 4 - 2nd Quarter	
DATE OF BTEX EXT. ANAL.:	7/30/96	7/30/96
TYPE DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	8.21	PPB				
TOLUENE	1.56	PPB				
ETHYL BENZENE	6.63	PPB				
TOTAL XYLENES	96.2	PPB				
TOTAL BTEX	113	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 88.3 for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative: _____

Approved By: John L. Laker

Date: 8/14/96



Company

Sample 4 - 2nd 472

A 2597

CHAIN OF CUSTODY RECORD

Object No.		Project Name		Sample Number		Type and No. of Sample Containers		Preservation Technique		Requested Analysis		Remarks	
Date	Time	Comp.	GRAB										
7-26-96	1142		X		760654	(3)		X			W.D. HEATH RES. UNIT MC 87493		
7-26-96	1307		X		760655	(3)		X			STANDARD GC AHA AWA MC 89620		
7-26-96	1307		X		760656	(3)		X			STANDARD GC AHA AWA MC 87620		
7-26-96	1452		X		760657	(3)		X			STANDARD GC AHA AWA MC 89620		
7-26-96			X			(3-1)		X			TRIP BLANK		
[Large diagonal line across the table]													
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
[Signature]		7-26-96 1145		[Signature]				[Signature]				[Signature]	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
[Signature]				[Signature]				[Signature]				[Signature]	
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Remarks:		Date Results Reported / by: (Signature)			
[Signature]				[Signature]		7/26/96 0905		[Signature]				[Signature]	
Carrier Co:		Carrier Phone No.											
[Signature]		[Signature]											

● **EPFS** ●

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT EPA METHOD 8020 - BTEX

Samples: 960647 and 960660 thru 960664

QA/QC for 07/31/96 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	50.1	100	75 - 125 %	X
Toluene	Standard	50.0	50.3	101	75 - 125 %	X
Ethylbenzene	Standard	50.0	50.2	100	75 - 125 %	X
m & p - Xylene	Standard	100	100.2	100	75 - 125 %	X
o - Xylene	Standard	50.0	50.5	101	75 - 125 %	X
SAMPLE NUMBER LCS LA-45476 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	25.0	24.4	97.6	39 - 150	X
Toluene	Standard	25.0	24.9	99.6	46 - 148	X
Ethylbenzene	Standard	25.0	25.2	100.8	32 - 160	X
m & p - Xylene	Standard	50.0	50.8	101.6	Not Given	X
o - Xylene	Standard	25.0	25.4	101.6	Not Given	X
SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	50.5	101.0	75 - 125 %	X
Toluene	Standard	50.0	50.6	101.2	75 - 125 %	X
Ethylbenzene	Standard	50.0	50.5	101.0	75 - 125 %	X
m & p - Xylene	Standard	100	100.4	100.4	75 - 125 %	X
o - Xylene	Standard	50.0	50.8	101.6	75 - 125 %	X
SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	50.0	100.0	75 - 125 %	X
Toluene	Standard	50.0	49.9	99.8	75 - 125 %	X
Ethylbenzene	Standard	50.0	49.7	99.4	75 - 125 %	X
m & p - Xylene	Standard	100	98.3	98.3	75 - 125 %	X
o - Xylene	Standard	50.0	49.9	99.8	75 - 125 %	X

Narrative: Acceptable.

EL PASO FIELD SERVICES LAB
QUALITY CONTROL REPORT
EPA METHOD 8020 - BTEX
Samples: 960647 and 960660 thru 960664

LABORATORY DUPLICATES:

SAMPLE ID	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE	
					YES	NO
960661					RANGE	
Benzene	Matrix Duplicate	<5.0	<5.0	0.00	+/- 20 %	X
Toluene	Matrix Duplicate	<5.0	<5.0	0.00	+/- 20 %	X
Ethylbenzene	Matrix Duplicate	<5.0	<5.0	0.00	+/- 20 %	X
m & p - Xylene	Matrix Duplicate	<10.0	<10.0	0.00	+/- 20 %	X
o - Xylene	Matrix Duplicate	<5.0	<5.0	0.00	+/- 20 %	X

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE	
					YES	NO
2nd Analysis 960661					RANGE	
Benzene	250	<5.0	251	100.4	75 - 125 %	X
Toluene	250	<5.0	253	101.2	75 - 125 %	X
Ethylbenzene	250	<5.0	250	100.0	75 - 125 %	X
m & p - Xylene	500	<10.0	499	99.8	75 - 125 %	X
o - Xylene	250	<5.0	250	100.0	75 - 125 %	X

Narrative: Spike recovery is based on recovery in the diluted sample (x5).

ADDITIONAL ANALYTICAL BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (Analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (Three analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: ml

Approved By: John S. L...

Date: 7/31/90



EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY

ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	960871
MTR CODE SITE NAME:	89230	Johnston Fed #3A MW-1
SAMPLE DATE TIME (Hrs):	10/18/96	1428
PROJECT:	Sample 4 - 3rd Quarter	
DATE OF BTEX EXT. ANAL.:	10/22/96	10/22/96
TYPE DESCRIPTION:	Monitor - Grab Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	6.76	PPB				
TOLUENE	1.01	PPB				
ETHYL BENZENE	5.55	PPB				
TOTAL XYLENES	44.6	PPB				
TOTAL BTEX	57.9	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 115 % for this sample All QA/QC was acceptable.
Narrative: _____

____ = Dilution Factor Used

Approved By: _____

Date: 10-24-96



Natural Gas Company

A 2275

CHAIN OF CUSTODY RECORD

Project No.	Project Name				Requested Analysis		Remarks								
Samplers: (Signature)		Date: 10-18-96		Type and No. of Sample Containers											
Date	Time	Comp.	GRAB	Sample Number	Preservation Technique										
10-18-96	14:28		X	760871	X	6-2	JOHNSON FEDERAL AC 89236								
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time									
Dennis Bird		10-18-96 16:21													
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time									
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature)		Remarks:									
				D. W. Hopper		10/21/96 08:10									
Carrier Co:		Carrier Name No.		Date Results Reported / by: (Signature)											
				DWH											
Air Bill No.:															

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT EPA METHOD 8020 - BTEX

Samples: 960869 - 960871

QA/QC for 10/21/96 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	59.3	119	75 - 125 %	X
Toluene	Standard	50.0	58.0	116	75 - 125 %	X
Ethylbenzene	Standard	50.0	58.4	117	75 - 125 %	X
m & p - Xylene	Standard	100	116	116	75 - 125 %	X
o - Xylene	Standard	50.0	55.5	111	75 - 125 %	X
SAMPLE NUMBER LCS LA-45476 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	25.0	27.9	112	39 - 150	X
Toluene	Standard	25.0	27.9	112	46 - 148	X
Ethylbenzene	Standard	25.0	28.4	114	32 - 160	X
m & p - Xylene	Standard	50.0	57.3	115	Not Given	X
o - Xylene	Standard	25.0	28.4	114	Not Given	X
SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	57.6	115	75 - 125 %	X
Toluene	Standard	50.0	56.7	113	75 - 125 %	X
Ethylbenzene	Standard	50.0	56.5	113	75 - 125 %	X
m & p - Xylene	Standard	100	112	112	75 - 125 %	X
o - Xylene	Standard	50.0	56.4	113	75 - 125 %	X
SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0		0	75 - 125 %	
Toluene	Standard	50.0		0	75 - 125 %	
Ethylbenzene	Standard	50.0		0	75 - 125 %	
m & p - Xylene	Standard	100		0	75 - 125 %	
o - Xylene	Standard	50.0		0	75 - 125 %	

Narrative: Acceptable.

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: 960869 - 960871

LABORATORY DUPLICATES:

SAMPLE ID	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE	
					RANGE	YES NO
960869						
Benzene	Matrix Duplicate	9.42	9.42	0.00	+/- 20 %	X
Toluene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X
Ethylbenzene	Matrix Duplicate	2.81	2.78	1.07	+/- 20 %	X
m & p - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X
o - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE	
					RANGE	YES NO
2nd Analysis 960869						
Benzene	50	9.42	68.5	118	75 - 125 %	X
Toluene	50	<1	57.1	114	75 - 125 %	X
Ethylbenzene	50	2.81	59.5	113	75 - 125 %	X
m & p - Xylene	100	<1	112	112	75 - 125 %	X
o - Xylene	50	<1	56.3	113	75 - 125 %	X

Narrative: Acceptable.

ADDITIONAL ANALYTICAL BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (Analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (None analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: mda

Approved By: John Feibel

Date: 10-24-90



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

5-6-97

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	970305
MTR CODE SITE NAME:	89230	Johnson Federal #3A MW-1
SAMPLE DATE TIME (Hrs):	4/16/97	1535
PROJECT:	Sample 4 - 1st Quarter	4/24/97
DATE OF BTEX EXT. ANAL.:	4/18/97	4/18/97
TYPE DESCRIPTION:	Monitor Well	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	6.15	PPB				
TOLUENE	< 1.0	PPB				
ETHYL BENZENE	5.63	PPB				
TOTAL XYLENES	50.8	PPB				
TOTAL BTEX	62.6	PPB				

The Surrogate Recovery was at 96.8 % for this sample All QA/QC was acceptable.

Narrative:

Approved By:

John Smith

Date:

4/24/97



Natura is Company

A 2207

CHAIN OF CUSTODY RECORD

Air Bill No.:

**QUALITY CONTROL REPORT
EPA METHOD 8020 - BTEX**

Samples: 970294, 970295, 970303 thru 970305, and 970314 thru 970318

QA/QC for 04/18/97 Sample S

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-57725 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	49.5	99.0	75 - 125 %	X
Toluene	Standard	50.0	49.9	99.8	75 - 125 %	X
Ethylbenzene	Standard	50.0	49.9	99.8	75 - 125 %	X
m & p - Xylene	Standard	100	100.3	100.3	75 - 125 %	X
o - Xylene	Standard	50.0	50.2	100.4	75 - 125 %	X
SAMPLE NUMBER LCS LA-47496 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	25.0	25.2	100.8	39 - 150	X
Toluene	Standard	25.0	25.3	101.2	46 - 148	X
Ethylbenzene	Standard	25.0	25.2	100.8	32 - 160	X
m & p - Xylene	Standard	50.0	50.8	101.6	Not Given	X
o - Xylene	Standard	25.0	25.6	102.4	Not Given	X
SAMPLE NUMBER ICV LA-57725 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	48.7	97.4	75 - 125 %	X
Toluene	Standard	50.0	49.9	99.8	75 - 125 %	X
Ethylbenzene	Standard	50.0	49.9	99.8	75 - 125 %	X
m & p - Xylene	Standard	100	100.6	100.6	75 - 125 %	X
o - Xylene	Standard	50.0	50.2	100.4	75 - 125 %	X
SAMPLE NUMBER ICV LA-57725 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE	
					YES	NO
					RANGE	
Benzene	Standard	50.0	48.6	97.2	75 - 125 %	X
Toluene	Standard	50.0	49.4	98.8	75 - 125 %	X
Ethylbenzene	Standard	50.0	49.3	98.6	75 - 125 %	X
m & p - Xylene	Standard	100	99.0	99.0	75 - 125 %	X
o - Xylene	Standard	50.0	49.5	99.0	75 - 125 %	X

Narrative: Acceptable.

**EL PASO FIELD SERVICES LAB
QUALITY CONTROL REPORT
EPA METHOD 8020 - BTEX**

Samples: 970294, 970295, 970303 thru 970305, and 970314 thru 970318

LABORATORY DUPLICATES:

SAMPLE ID	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE	
					YES	NO
970303					RANGE	
Benzene	Matrix Duplicate	29.1	28.8	1.04	+/- 20 %	X
Toluene	Matrix Duplicate	1.29	1.29	0.00	+/- 20 %	X
Ethylbenzene	Matrix Duplicate	6.22	6.15	1.13	+/- 20 %	X
m & p - Xylene	Matrix Duplicate	2.20	2.11	4.18	+/- 20 %	X
o - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE	
					YES	NO
2nd Analysis 970303					RANGE	
Benzene	50	29.1	75.9	93.6	75 - 125 %	X
Toluene	50	1.29	51.3	100.0	75 - 125 %	X
Ethylbenzene	50	6.22	56.5	100.6	75 - 125 %	X
m & p - Xylene	100	2.20	104	101.7	75 - 125 %	X
o - Xylene	50	<1	50.6	101.2	75 - 125 %	X

Narrative: Acceptable

ADDITIONAL ANALYTICAL BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE	PPB (Analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (Four analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: mh

Approved By: John Louche

Date: 4/23/97