3R - <u>2/3</u>

REPORTS

DATE: 1999 - 1998



1

Certified Mail:

#Z 213 707 666 (Box 1 of 2) #Z 213 707 664 (Box 2 of 2)

March 24, 2000

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

RE: 1999 Pit Project Annual Groundwater Report

RECEIVED

MAR 2 J 2000

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual updates for the 32 remaining groundwater impacted locations that were identified during our pit closure project of 1994 / 1995.

Of the 32 reports, EPFS hereby requests closure of 4 of these locations. The 4 sites EPFS is requesting closure on are presented in one separate binder entitled "San Juan Basin Pit Closures, El Paso Field Services, Pit Closure Reports".

The Jaquez Com. C #1 and Jaquez Com. E #1 site is included in a separate report which is entitled "Jaquez Com. C #1 and Jaquez Com. E #1 Annual Report for Soil and Groundwater Remediation".

EPFS has also included for your information five Navajo sites in a separate binder and a separate report for the Bisti Flare Pit #1.

If you have any questions concerning the enclosed reports or closure requests, please call me at (505) 599-2124.

Sincerely, Scott T. Pope P.G.

Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; Certified Mail # Z 213 707 667
Mr. Bill Liesse, BLM - w / enclosures; Certified Mail # Z 213 707 668
Mr. John Jaquez, - w / Jaquez enclosures; Certified Mail # Z 213 707 669
Ms. Charmaine Tso, Navajo EPA - w / enclosures; Certified Mail # Z 213 707 670

bc: J. A. Lambdin w / enclosures
Philip Services Corp. – Cecil Irby, w / o enclosures
B. B. McDaniel / 24321 – NMOCD Regulatory w / o

SAN JUAN BASIN PIT CLOSURES San Juan Basin, New Mexico

El Paso Field Services Pit Project Groundwater Report Annual Report

March 2000

MAR 2 9 2000

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

Prepared For

El Paso Field Services Farmington, New Mexico

Project 62800158



EPFS GROUNDWATER PITS 1999 ANNUAL GROUNDWATER REPORT

LATERAL 0-21 LINE DRIP Meter/Line ID - LD151

SITE DETAILS

Sec: 12

Legals - Twn: 30N Rng: 9W NMOCD Hazard Ranking: 40 Operator: EL PASO FIELD SERVICES Unit: O Land Type: FEDERAL

PREVIOUS ACTIVITIES

Site Assessment: Jan-95Test Excavation: Jan-95Monitor Well: Oct-95Geoprobe: Nov-96

Soil Boring: Oct-95 Quarterly Sampling Initiated: Nov-96

1999 ACTIVITIES

Annual Groundwater Monitoring - Annual groundwater monitoring was conducted during May 1999.

Additional Monitor Wells – Two off-site monitor wells were planned for 1999. The proposed locations for the additional wells are shown on Figure 1. The wells were not completed in 1999 because BLM took over three months to approve the drilling locations. The two off-site wells will be installed this year.

SUMMARY TABLES

Groundwater analytical data are presented in Table 1. Copies of the laboratory data sheets and associated quality assurance/quality control data are presented as Attachment 1.

SITE MAP

A site map is presented as Figure 1 with the proposed locations of the two additional monitoring wells.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

There were no drilling activities at this site in 1999.

DISPOSITION OF GENERATED WASTES

There were no wastes generated at this site in 1999.

ISOCONCENTRATION MAPS

None generated for this site.

CONCLUSIONS

Analytical results of groundwater samples collected from MW-1 show levels of benzene, toluene and xylenes above New Mexico Groundwater Standards. Hydrocarbon constituent concentrations have decreased since the last sampling event conducted in 1998.

EPFS GROUNDWATER PITS 1999 ANNUAL GROUNDWATER REPORT

Pertinent data from past groundwater reports include the following: Based on groundwater levels collected from temporary well point data, the groundwater flow trends to the southeast at this site. A pipeline corridor and other gas production facilities are just south and southeast of MW-1.

RECOMMENDATIONS

- Install two off-site wells as shown on Figure 1.
- Collect the data necessary to determine if other sources may be contributing to hydrocarbon concentrations in the groundwater at this site.
- EPFS will conduct annual sampling at the site until BTEX constituents fall below New Mexico Groundwater Standards.
- After BTEX constituents fall below New Mexico Groundwater Standards, quarterly sampling will be conducted until analytical results show BTEX constituents are below New Mexico Groundwater Standards for four consecutive quarters.
- Following OCD approval for closure, all monitor wells associated with the site will be abandoned using OCD approved abandonment procedures.



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EPFS Groundwater Report 1999 Annual Groundwater Report

TABLE 1

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ieter/ MW Samplé MW	D151 Lat 0-21 Line Drip 05/18/99 1 Sample
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e # Line# Stie Name Date #	2 LD151 Lat 0-21 Line Drip 05/18/99 1 Sample
Meter/ Meter/ Die # Line# Stite Name Date #	222 LD151 Lat 0-21 Line Drip 05/18/99 1 Sample
mole # Line # Stie Name Date #	<u>30222 LD151 Lat 0-21 Line Drip 05/18/99 1 Sample</u>
Ammle # Line# Site Name	990222 LD151 Lat 0-21 Line Drip 05/18/99 1 Sample

15303 Total BTEX 11

ATTACHMENT 1 1999 GROUNDWATER ANAYLTICAL

Number Project Ne Is: (Signature) S-18-99 /315 S-18-99	ame Matrix MATER	CHL)	N/51 Date: 5-7899 390202	Containers Containers	Composite or Grab	2KL8 XX	Bedmest	ed Analysis		Contra	ct Laboratory	P.O. Number Remarks D21 (JINE DRIP) AMF
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FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	NA	990222
MTR CODE SITE NAME:	LD151	Lateral O-21 Line Drip
SAMPLE DATE TIME (Hrs):	5/18/99	1315
PROJECT:	Sample 4	- 8th Quarter
DATE OF BTEX EXT. ANAL.:	NA	5/19/99
TYPE DESCRIPTION:	MW-1	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS		QUALIFI	ERS
			DF	2	
BENZENE	4860	PPB	100	D	
TOLUENE	6810	РРВ	100	D	
ETHYL BENZENE	183	РРВ	5	D	
TOTAL XYLENES	3450	PPB	100	D	
TOTAL BTEX	15303	РРВ			

-BTEX is by EPA Method 8021 -

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

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

John Larde 5ho/99 Date: Approved By:

WICES Well Development and Purging Data	$\frac{\Box}{\partial \mathcal{H} \cup \mathcal{O} - \partial / \mathcal{U} / \mathcal{U} \cup \mathcal{R} / \mathcal{O} = \frac{\Box}{\partial \mathcal{N} \cup \mathcal{O} / O$	Balance Mater Volume Calculation men of volance framouse men of volance framouse men of volance framouse men of volance framouse men of volance framouse men of volance framouse men of volance framouse men of volance framouse men of volance framouse men of volance framouse framouse framouse framouse framouse framouse </th <th>Mn in Bild Date 5-12-19 Reviewer Mu Jul Date 5/20/99</th>	Mn in Bild Date 5-12-19 Reviewer Mu Jul Date 5/20/99
FELP SERVICES	te Name LATTARY 0-21 UN	Subsection of indicator Parameters Image: Stabilization of Indicator Parameters Image: Time Double Check Valve Image: Time Dev	veloper's Signature WOMMAN BUD

EL PASO FIELD SERVICES QUALITY CONTROL REPORT - EPA METHOD 8021 BTEX Samples: 990213, 214, 218 - 224

QA/QC for 05/18/99 & 05/19/99 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE		EXPECTED	ANALYTICAL		ACCEPTABLE
NUMBER	ТҮРЕ	RESULT	RESULT	%R	
ICV LA-52589		PPB	PPB		YES NO
5/18/99 50 PPB					RANGE
Benzene	Standard	50.0	48.4	96.8	75 - 125 % X
Toluene	Standard	50.0	48.2	96.3	75 - 125 % X
Ethylbenzene	Standard	50.0	48.3	96.7	75 - 125 % X
m & p - Xylene	Standard	100	97.0	97.0	75 - 125 % X
o - Xylene	Standard	50.0	48.5	96.9	75 - 125 <u>%</u> X
SAMPLE		EXPECTED	ANALYTICAL		ACCEPTABLE
NUMBER	TYPE	RESULT	RESULT	%R	
CCV LA-52589		PPB	PPB		YES NO
5/19/99 50 PPB					RANGE
Benzene	Standard	50.0	47.7	95.5	75 - 125 % X
Toluene	Standard	50.0	47.6	95.2	75 - 125 % X
Ethylbenzene	Standard	50.0	47.9	95.7	75 - 125 % X
m & p - Xylene	Standard	100	97.4	97.4	75 - 125 % X
o - Xylene	Standard	50.0	48.1	96.1	75 - 125 % X
SAMPLE		EXPECTED	ANALYTICAL		ACCEPTABLE
NUMBER	TYPE	RESULT	RESULT	%R	
CS LA-45476		PPB	PPB		YES NO
5/18/99 25 PPB					RANGE
Benzene	Standard	25.0	23.3	93	39-150 X
Toluene	Standard	25.0	23.3	93	46 - 148 X
Ethylbenzene	Standard	25.0	23.7	95	32 - 160 X
m & p - Xylene	Standard	50.0	47.4	95	Not Given X
o - Xylene	Standard	25.0	23.6	94	Not Given X

Narrative: Acceptable.

LABORATORY DUPLICATES:

SAMPLE ID	Түре	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACC	EPTAB YES	LE NO
990218					RANGE		
Benzene	Matrix Duplicate	<1.0	<1.0	0.00	+/- 20 %	X	
Toluene	Matrix Duplicate	<1.0	<1.0	0.00	+/- 20 %	Х	
Ethylbenzene	Matrix Duplicate	<1.0	<1.0	0.00	+/- 20 %	Х	
m & p - Xylene	Matrix Duplicate	<2.0	<2.0	0.00	+/- 20 %	Х	
o - Xylene	Matrix Duplicate	<1.0	<1.0	0.00	+/- 20 %	<u> </u>	
		CAMDIC	DUD ICATE		ACC	FPTAR	
		OFSITIF LLA	OOL DOUL				
SAMPLE	ТҮРЕ	RESULT	RESULT	RPD		· : F . •) / : F .	
SAMPLE ID	түре	RESULT PPB	RESULT	RPD		YES	NO
SAMPLE ID 990223	TYPE	RESULT PPB	RESULT PPB	RPD	RANGE	YES	NO
SAMPLE ID 990223 Benzene	TYPE Matrix Duplicate	RESULT PPB 376.9	RESULT PPB 366.1	RPD 2.90	RANGE +/- 20 %	YES	NO
SAMPLE ID 990223 Benzene Toluene	TYPE Matrix Duplicate Matrix Duplicate	376.9 17.75	RESULT PPB 366.1 18.29	RPD 2.90 2.97	RANGE +/- 20 % +/- 20 %	YES X X	NO
SAMPLE ID 990223 Benzene Toluene Ethylbenzene	TYPE Matrix Duplicate Matrix Duplicate Matrix Duplicate	376.9 17.75 142.93	RESULT PPB 366.1 18.29 153.12	RPD 2.90 2.97 6.88	RANGE +/- 20 % +/- 20 % +/- 20 %	YES X X X X	NO
SAMPLE ID 996223 Benzene Toluene Ethylbenzene m & p - Xylene	TYPE Matrix Duplicate Matrix Duplicate Matrix Duplicate Matrix Duplicate	376.9 17.75 142.93 599.51	RESULT PPB 366.1 18.29 153.12 583.60	2.90 2.97 6.88 2.69	RANGE +/- 20 % +/- 20 % +/- 20 % +/- 20 %	YES X X X X X	NO

Narrative: Acceptable. O-Xylene out due to matrix interference.

LABORATORY SPIKES:

SAMPLE ID 2nd Analysis 990218	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCE RANGE	PTABLE YES NO
Benzene	25	<1.0	23.9	96	75 - 125 %	X
Toluene	25	<1.0	23.2	93	75 - 125 %	X
Ethylbenzene	25	<1.0	23.1	92	75 - 125 %	X
m & p - Xylene	50	<2.0	45.9	92	75 - 125 %	x
o - Xylene	25	<1.0	23.4	93	75 - 125 %	X
SAMPLE ID 2nd Analysis 990223	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCE	PTABLE YES NO
Benzene	25	376.9	374.1	-11	75 - 125 %	Х
·						
Toluene	25	17.75	37.2	78	75 - 125 %	x
Toluene Ethylbenzene	25 25	17.75 142.93	37.2 155.2	78 49	75 - 125 % 75 - 125 %	x x
Toluene Ethylbenzene m & p - Xylene	25 25 50	17.75 142.93 599.51	37.2 155.2 562.8	78 49 -73	75 - 125 % 75 - 125 % 75 - 125 %	X X X

Narrative: Acceptable. SPK 990223 out due to matrix interference and high levels.

LABORATORY AND FIELD BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
		(none analyzed with set)	
Benzene	Boiled Water		ACCEPTABLE
Toluene	Boiled Water		ACCEPTABLE
Ethylbenzene	Boiled Water		ACCEPTABLE
Total Xylenes	Boiled Water		ACCEPTABLE
	SOURCE	PPB	STATUS
SOIL VIAL BLANK	Lot MB1461	(two analyzed with set)	
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
CONTAMINATION	SOURCE	PPB	STATUS
CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (two analyzed with this set)	STATUS
CONTAMINATION CARRYOVER CHECK Benzene	SOURCE Vial + Boiled Water	PPB (two analyzed with this set) <1.0	STATUS ACCEPTABLE
CONTAMINATION CARRYOVER CHECK Benzene Toluene	SOURCE Vial + Boiled Water Vial + Boiled Water	PPB (two analyzed with this set) <1.0 <1.0	STATUS ACCEPTABLE ACCEPTABLE
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water	PPB (two analyzed with this set) <1.0 <1.0 <1.0	ACCEPTABLE ACCEPTABLE ACCEPTABLE ACCEPTABLE
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene Total Xylenes	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water	PPB (two analyzed with this set) <1.0 <1.0 <1.0 <3.0	STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE ACCEPTABLE
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene Total Xylenes TRIP: 5/11; 5/17	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water SOURCE	PPB (two analyzed with this set) <1.0 <1.0 <1.0 <3.0 PPB	STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE ACCEPTABLE STATUS
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene Total Xylenes TRIP: 5/11, 5/17 and 5/19/99	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water SOURCE	PPB (two analyzed with this set) <1.0 <1.0 <1.0 <3.0 PPB (three analyzed with this set)	STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE ACCEPTABLE STATUS
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene Total Xylenes TRIP: 5/11, 5/17 and 5/19/99 Benzene	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water SOURCE Boiled Water	PPB (two analyzed with this set) <1.0 <1.0 <1.0 <3.0 PPB (three analyzed with this set) <1.0	STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE ACCEPTABLE STATUS ACCEPTABLE
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene Total Xylenes TRIP: 5/11, 5/17 and 5/19/99 Benzene Toluene	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water SOURCE Boiled Water Boiled Water	PPB (two analyzed with this set) <1.0 <1.0 <1.0 <3.0 PPB (three analyzed with this set) <1.0 <1.0	STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE STATUS ACCEPTABLE ACCEPTABLE
CONTAMINATION CARRYOVER CHECK Benzene Toluene Ethylbenzene Total Xylenes TRIP: 5/11, 5/17 and 5/19/99 Benzene Toluene Ethylbenzene	SOURCE Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water Vial + Boiled Water SOURCE Boiled Water Boiled Water Boiled Water	PPB (two analyzed with this set) <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 PPB (three analyzed with this set) <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE STATUS ACCEPTABLE ACCEPTABLE ACCEPTABLE ACCEPTABLE

Narrative: Acceptable.

Reported By: J.f. Approved By: John Fallin Date: 5/20/99



Certified Mail: #Z 211 324 121

March 31, 1999

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

APR 0 5 1999

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

RE: 1998 Pit Project Annual Groundwater Report

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual updates for the 49 remaining groundwater impacted locations that were identified during our pit closure project of 1994 / 1995.

Of the 49 reports, EPFS hereby requests closure of 18 of these locations. The 18 sites EPFS is requesting closure on are presented in 4 separate binders entitled "Final Closure Report for Groundwater Sites with Four Consecutive Quarters Below Standards".

The Jaquez Com. C #1 and Jaquez Com. E #1 site is included in a separate report which is entitled "Jaquez Com. C #1 and Jaquez Com. E #1 Annual Report for Soil and Groundwater Remediation".

If you have any questions concerning the enclosed reports or closure requests, please call me at (505) 599-2124.

Sincerely,

Scott T. Pope P.G. Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w/ enclosures; Certified Mail # Z 211 324 122
Mr. Bill Liesse, BLM - w/ enclosures; Certified Mail # Z 211 324 123
Ms. Charmaine Tso, Navajo EPA - w/ enclosures; Certified Mail # Z 211 324 120

EPFS GROUNDWATER PITS 1998 ANNUAL GROUNDWATER REPORT

LATERAL 0-21 LINE DRIP Meter/Line ID - LD151

SITE DETAILS

Sec: 12

Legals - Twn: 30N Rng: 9W NMOCD Hazard Ranking: 40 Operator: EL PASO FIELD SERVICES Unit: O Land Type: FEDERAL

APR 0 5 1999

RECEIVED

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

PREVIOUS ACTIVITIES

Site Assessment: Jan-95Test Excavation: Jan-95Monitor Well: Oct-95Geoprobe: Nov-96

Soil Boring: Oct-95 Quarterly Sampling Initiated: Nov-96

1998 ACTIVITIES

Quarterly Groundwater Monitoring - Quarterly groundwater monitoring continued through 1998. Groundwater analytical data are presented in Table 1. A site map is presented as Figure 1. Quarterly sampling was discontinued after the second quarter, the site will now be sampled annually.

CONCLUSIONS

Analytical results of groundwater samples, collected from MW-1 during the first and second quarter of 1998, show levels of benzene, toluene and xylenes that are above New Mexico Groundwater Standards. Hydrocarbon constituent concentrations are increasing at the location.

Pertinent data from the 1997 groundwater report include the following: Based on groundwater levels collected from temporary well point data, the groundwater flow trends to the southeast at this site. A pipeline corridor and other gas production facilities are just south and southeast of MW-1.

RECOMMENDATIONS

- The OCD requests that EPFS determine the extent of groundwater contamination.
- Obtain permission to conduct an off-site investigation and define plume size.
- Collect the data necessary to determine if other sources may be contributing to hydrocarbon concentrations in the groundwater at this site.
- Continue sampling on an annual basis.



EPFS Groundwater Report 1998 Annual Groundwater Report

TABLE 1

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1998 GROUNDWATER ANALYTICAL

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Wellopment Criteria Water Volume of Water Remote Remote Remote Remote State Remote Remo	Selection of Indicator Parameters Mater Volume Calculation Instruments 	CATERAL D-21 LINE DAYD		Development Purging	Well Nu Meter C	umber /	MW-1 D151		
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FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	980131
MTR CODE SITE NAME:	LD151	Lateral 0-21 Line Drip
SAMPLE DATE TIME (Hrs):	2/3/98	1018
PROJECT:	Sample 4	6th Quarter
DATE OF BTEX EXT. ANAL.:	2/18/98	2/18/98
TYPE DESCRIPTION:	`M₩-1	Water

Field Remarks: Exceeded Holding Time

		RESULTS				
PARAMETER	RESULT	UNITS	DF	QUALIFI	RS	
BENZENE	3000	PPB	50	D		
TOLUENE	3600	РРВ	50	D		
ETHYL BENZENE	138	РРВ	50	D		
TOTAL XYLENES	2180	РРВ	50	D		
TOTAL BTEX	8918	РРВ				
The Surrogate Recovery was at DF = Dilution Factor Used The "D" qualifier indiciates that the	86.9 analyte calculated	BTEX is by EPA Method % for this sample is based on a sec	⁸⁰²⁰ All QA/QC ondary dilutic	was accepta on factor.	ble.	
Narrative: Exceeded Holding	Time.	· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u></u>
Approved By:Olm Far	-ch. 9801	31BTEXMW,2/19/98	Date:	3/2/98		

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SAMPLE 4	4 STHPTP	Matural Natural	GSCOMPany Troov percopp		2186
roject No. Project Name amplers: (Signature) A Artyfyl Date Time Comp. GR.	5720151 Bried Date: 2- AB Sample Number	CLAIN UP CUS	An A	uested afysis	Remarks
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Date	Time	Developri Method Primn	lent 1 3ailer	Removal Rate (ral/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Remor Increment	Volume ved (gal) I Cumulative	Product Removed Increment	Volume (gallons) Cumulative	Temperature °C	H	Conductivity µmho/cm	Dissolved Oxygen ma/L	Comments
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29P	1013						20	10.0			15.0	6.31	2370		
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2.98	1039						20	750			16,6	6.66	2990	0.5	
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Date 5-7-78 Reviewer John Sural Date 5/12/48

Developer's Signature WENTING OUR

FIELD SERVICES FIELD SERVICES LABORATORY

ANALYTICAL REPORT

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PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	980357
MTR CODE SITE NAME:	LD151	Lateral 0-21 Line Drip
SAMPLE DATE TIME (Hrs):	5/7/98	1050
PROJECT:	Sample 4 7	th Quarter
DATE OF BTEX EXT. ANAL.:	5/8/98	5/8/98
TYPE DESCRIPTION:	MW-1	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS		QUALIFIER	S
			DF	a	inter a state
BENZENE	5380	PPB	100	D	
TOLUENE	7500	РРВ	100	D	
ETHYL BENZENE	247	PPB	10	D	
TOTAL XYLENES	3500	РРВ	10	D	
TOTAL BTEX	16627	РРВ			

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 92.4 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By:	John Fertich.	980357BTEXMW,5/11/98	Date:	5/12/98

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