

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM
88211
District III
1000 Rio Brazos Rd, Aztec,
NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OK-O/so-1
12/13/00
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO

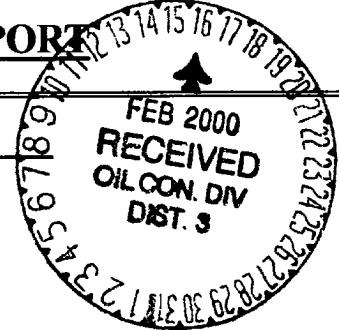
OIL CONSERVATION DIVISION
P.O. Box 2088

SANTA FE OFFICE

Santa Fe, New Mexico 87504-2088

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT



Operator: Conoco Inc Telephone: (505) 325-5813

Address: 3315 Bloomfield Highway Farmington, New Mexico 87401

Facility Or: Farmington Com #1

Well Name

Location: Unit or Qtr/Qtr Sec: P Sec 11 T29N R13W County: San Juan

Pit Type: Separator Dehydrator Other

Land Type: BLM: , State: , Fee: , other

Pit Location: Pit dimensions: length: , width: , depth
(Attach diagram)

Reference: wellhead: , other: **See Attached Report**

Footage from reference:

Direction from reference: Degrees East North
 West South

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)

50 feet to 99 feet (10 points)

Greater than 100 feet (0 points) 20

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes (20 points)

No (0 points) 20

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)

200 feet to 1000 feet (10 points)

Greater than 1000 feet (0 points)

20

RANKING SCORE (TOTAL POINTS): 60

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections)

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite _____ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action:

Refer to Attached Report

Ground Water Encountered: No _____ Yes _____ Depth _____

Final Pit: Sample location

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

**Refer to attached report for Sampling and laboratory
results.**

Sample depth

Sample Date | Sample Time

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) _____

TPH _____

Ground Water Sample: Yes _____ No _____ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE AND BELIEF

DATE: 2/10/00

SIGNATURE Shirley L. Ebert

PRINTED NAME Shirley L. EBERT TITLE FSO



January 4, 2000

Conoco, Inc., Mid-Continent Region
Attn.: Ms. Shirley Ebert, Field SHEAR Specialist
3314 Bloomfield Hwy.
Farmington, NM 87401

RE: 1999 Annual Ground Water and Final Closure Report
Conoco Location: Farmington COM #1
Unit P, Sec. 11, T29N, R13W, NMPM, San Juan Co., NM

Project #: 4-1372

The following report summarizes the ground water remediation and monitoring activities conducted by On Site Technologies Limited Partnership and/or others on behalf of Conoco, Inc., at the referenced oil and gas location. This report covers the calendar year of 1999, and follows the format outlined in the *Comprehensive Ground Water Remediation and Long-Term Monitoring Plan for Conoco Locations in the San Juan Basin, New Mexico*, submitted to the New Mexico Oil Conservation Division on October 15, 1997.

SUMMARY OF ACTIVITIES:

In 1997 a site assessment was conducted at the Farmington Com #1. The site assessment determined that hydrocarbon contaminated was present and that the location would have to be excavated and quarterly groundwater monitoring would have to be conducted.

In December of 1997 excavation of the site was done, approximately 1400 cubic yards of petroleum contaminated soil was removed. The excavated location was backfilled with clean imported soil. During the excavation monitoring well MW #1, that was installed in April, 1997, was removed and a new monitoring well was placed in the excavated site and designated MW #1. Summaries of the excavation and remediation activities were previously reported. References list at the end of this report.

In September 1998, NMOCD modified the sampling requirements for the referenced location as follows

- MMW #2 and MW #3 were to placed deeper into the water table
- Install a piezometer down gradient of MW #1
- Develop and sample piezometer, if laboratory result at or below NMWQCC standards discontinue sampling.

During December 1998 all of NMOCD's requirements were incorporated in to the location. 1998 groundwater monitoring results indicated a downward trend in levels of BTEX contamination levels.

1999 ground water monitoring was conducted in March, June, September and December. Laboratory results show BTEX levels below NMWQCC standards for the last four (4) consecutive quarters.

PO Box 2606
Farmington, NM

505-325-5667

FAX: 505-327-1496

SAMPLING:

In accordance with the Monitoring plan, water levels were measured on all monitoring wells prior to purging and sampling. Samples were collected, preserved and transported in accordance with Environmental Protection Agency (EPA) prescribed procedures and proper chain-of-custody protocol followed. The laboratory analyses ordered, followed the Conoco Ground Water Plan.

Table 1, summarizes the monitoring well data and water levels measured during previous and current sampling events. Table 2, summarizes the laboratory results for BTEX compounds from all water sampling completed at the referenced site. Table 3, summarizes the laboratory results for metal contamination from MW#1.

Copies of all laboratory reports for calendar year 1999, along with all laboratory QA/QC documentation and chains-of-custody, are attached with this report. Previous laboratory results were submitted to NMOCD.

CONCLUSIONS:

The following conclusions are based on the 1998 ground water monitoring results and trends associated with a former production pit at the Farmington Com #1 well location:

- BTEX contamination levels are below NMWQCC standard for MW#1, MW#2 and MW#3 for the last four (4) sampling events.
- The site is in compliance with NMWQCC water quality standards and should be considered stable.

RECOMMENDATION:

In accordance with the Conoco's Comprehensive Ground Water Remediation and Long Term Monitoring for Conoco Location in the San Juan Basin, New Mexico, four (4) consecutive quarters of water quality at or below NMWQCC standards had been met, and no further action should be taken at the referenced location.

On behalf of Conoco Inc., On Site Technologies Limited Partnership requests that the reference location be closed and that the monitoring wells and piezometer be plugged and abandoned in accordance with current regulations

LIMITATIONS AND CLOSURE:

This annual groundwater and final closure report documents the results of ground water monitoring for the referenced Conoco well location during the calendar year 1999 and summarizes previous remediation and ground water monitoring activities. This report follows the Comprehensive Ground Water Remediation and Long-Term Monitoring Plan for Conoco Locations in the San Juan Basin, New Mexico, dated October 15, 1997.

The scope of On Site Technologies' services consisted of project management, periodic water sampling and measurement of water levels, laboratory testing for ground water quality, and preparation of this report. All work has been performed in accordance with generally accepted professional practices in geotechnical, petroleum and environmental engineering, and hydrogeology.

This document has been prepared by On Site Technologies for the exclusive use of Conoco Inc., as it pertains to the referenced well location operated by Conoco.

If there are any questions regarding this status report, please contact either Myke Lane or Larry Trujillo at On Site Technologies, (505) 325-5667. Thank you for your consideration.

Respectfully submitted,

Reviewed by:



Larry Trujillo, C.H.M.M.
Project Manager



Michael K. Lane, P.E.
Senior Engineer

On Site Technologies, Limited Partnership

Attachments: **Table 1: Monitoring Well Details and Ground Water Levels Summary**
Table 2: Ground Water BTEX Analytical Summary
Table 3: Other Constituents Analytical Summary
Figure 1: Site Sketch
Figure 2, 3, 4 & 5 Ground Water Potentiometric Map
Laboratory Results, QA/QC, Chain of Custody

REFERENCES:

On Site Technologies, Ltd., April 16, 1997: Letter to Mr. W. L. Brignon, Senior Council Conoco, Inc. Midland Division, *regarding: Site Assessment, Conoco Location, Farmington Com #1, Unit P, Sec. 11, T29N, R13W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., January 16, 1998: Letter to Mr. Neal Goates, Senior Environmental Specialist, Conoco, Inc. Midland Division, *regarding: Remediation Summary, Conoco Location, Farmington Com #1, Unit P, Sec. 11, T29N, R13W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., February 1, 1998: Letter to Ms. Shirley Ebert, SHEAR Specialist, Conoco, Inc. Midland Division, *regarding: 1997 Annual Ground Water Report, Conoco Location, Farmington Com #1, Unit P, Sec. 11, T29N, R13W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., February 8, 1999: Letter to Ms. Shirley Ebert, SHEAR Specialist, Conoco, Inc. Midland Division, *regarding: 1998 Annual Ground Water Report, Conoco Location, Farmington Com #1, Unit P, Sec. 11, T29N, R13W, NMPM, San Juan Co., NM.*

Table 1
Ground Water Level Summary
Farmington COM #1
Unit P, Sec. 11, T29N, R13W

Well Number	Top of Casing Elevation (ft)	Total Depth of Well (ft)	Well Type	Screen Interval (ft) (ft)	Sample Date	Depth to Groundwater (ft) (ftOC)*	Relative Groundwater Elevation (ft)
MW#1	99.84	9.82	2" PVC	4.82 to 9.82	12/30/97	7.49	92.35
					3/13/97	7.37	92.47
					6/12/98	6.43	92.37
					9/15/98	8.35	91.49
					12/28/98	6.44	93.35
					3/2/99	7.46	92.33
					6/7/99	6.14	93.65
					9/4/99	7.56	92.23
					12/15/99	7.73	92.03
MW#2	98.80	7.84	2" PVC	2.84 to 7.84	12/30.97	6.75	92.05
					3/13/98	6.77	92.03
					6/12/98		
					9/15/98	No Measurable Water	
					12/28/98	7.34	92.06
					3/2/99	7.44	91.96
					6/7/99	6.24	93.16
					9/4/99	7.42	91.98
					12/15/99	7.62	91.78
MW#3	98.98	6.25	2" PVC		12/30/97	No Measurable Water	
					3/13/98	5.21	93.77
					6/12/98	5.93	93.05
					9/15/98	No Measurable Water	
					12/28/98	7.46	92.14
					3/2/99	7.56	92.02
					6/7/99	6.32	93.26
					9/4/99	7.54	92.04
					12/15/99	7.71	91.87

BGS = Below Ground Surface
 ftOC = Below Top of Casing
 NM = Not Measured

Table 1
Ground Water Level Summary
Farmington COM #1
Unit P, Sec. 11, T29N, R13W

Well Number	Top of Casing Elevation (ft)	Total Depth of Well (ft)	Well Type	Screen Interval (ft)	Drill Date	Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
Piezometer	100.38	10.01	2" PVC	4.01 to 10.01	12/28/98	8.36	92.02
					3/2/99	8.43	91.95
					6/7/99	7.16	93.22
					9/4/99	8.38	92.00
					12/15/99	8.52	91.86
Notes: MV-1 = Monitoring Well BTG = Below Top of Casing NM = Not Measured							

- Monitoring Well found broken off below ground level 6/12/98
 - 1. Depth measured on 6/12/98 with water in the well
 - Location re-surveyed on 12/31/98, MV-1 elevation change due to gas well site activity, all other are due to resetting of well and installation of piezometer.
 -

Table 2
BTEX Analytical Summary
Farmington COM #1
Unit P, Sec. 11, T29N, R13W

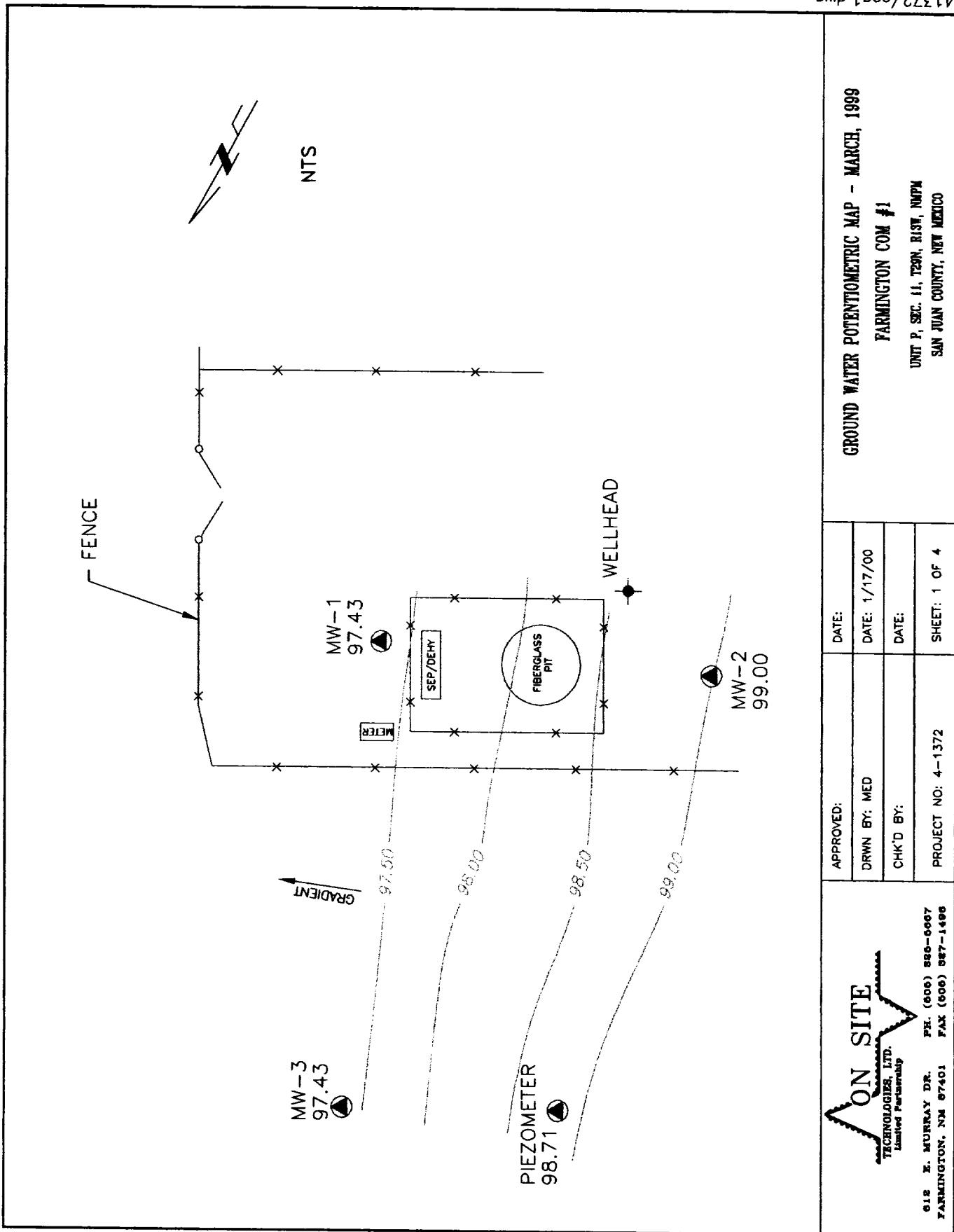
Sample Date	Sample ID#	Monitor Well	Remarks	BTEX (ppb)			Total Xyrene
				Toluene	Ethylbenzene	Styrene	
12/30/97	17250	MW #1	On Site Lab.	35.3	5.2	10.7	472.9
3/13/98	9803043-01A	MW#1		BDL	5.4	1.8	12.0
6/12/98	9806054-01A	MW#1		BDL	BDL	BDL	
9/15/98	9809033-01A	MW#1		BDL	1.1	1.6	BDL
12/28/98	9812050-02A	MW#1		BDL	BDL	0.7	0.6
3/2/99	9903009-01A	MW#1		BDL	BDL	BDL	
6/7/99	9906021-03A	MW#1		BDL	BDL	BDL	
9/14/99	9909048-03A	MW#1		BDL	1.2	BDL	BDL
12/15/99	9912020-02A	MW#1		BDL	0.7	BDL	BDL
12/31/97	17253	MW #2	On Site Lab.	BDL	BDL	BDL	BDL
3/13/98	9803043-02A	MW#2		BDL	BDL	BDL	BDL
6/12/98	WELL	DAMAGED	No Measurable Water	BDL	BDL	BDL	BDL
9/15/98				BDL	BDL	BDL	BDL
12/29/98	9812052-01A	MW#2		BDL	BDL	BDL	BDL
3/2/99	9903013-01A	MW#2		BDL	BDL	4.3	85.0
6/7/99	9906021-002A	MW#2		BDL	BDL	BDL	BDL
9/14/99	9909048-02A	MW#2		BDL	1.0	BDL	BDL
12/15/99	9912020-01A	MW#2		BDL	0.9	BDL	BDL
WQCC	ACTION LEVELS			10.0	750.0	750.0	620.0

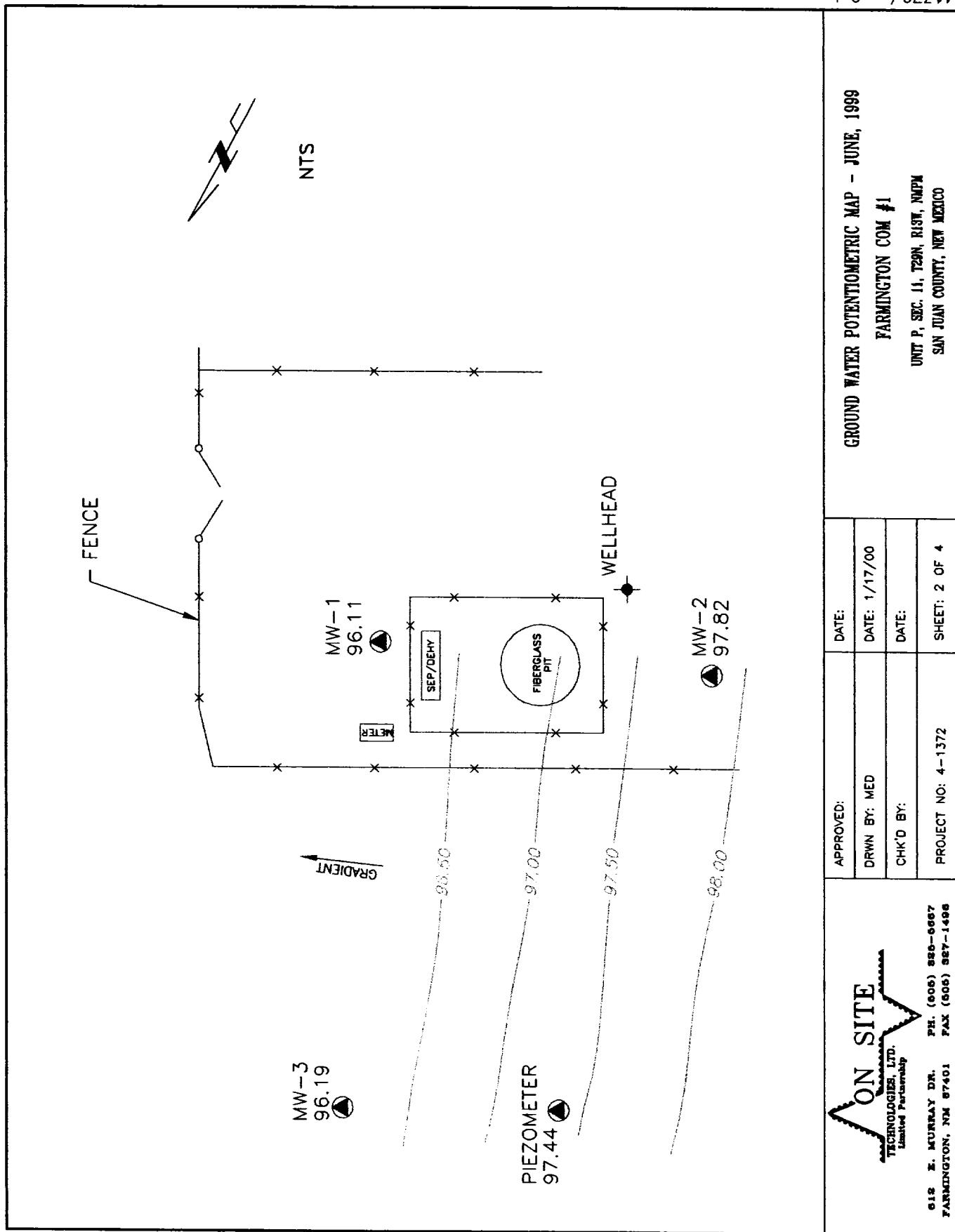
BDL Below Detection Levels

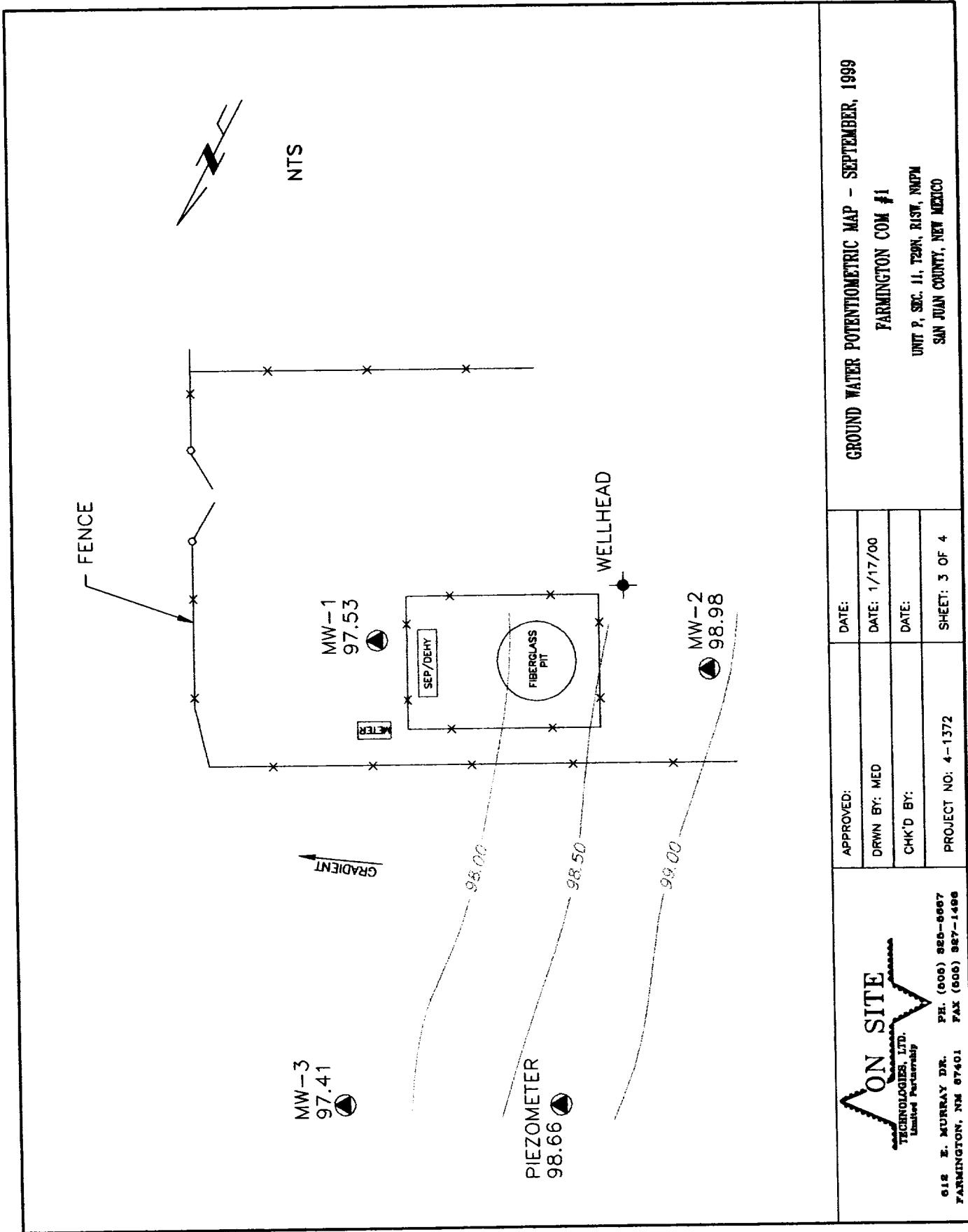
Table 2
 BTEX Analytical Summary
 Farmington COM #1
 Unit P, Sec. 11, T29N, R13W

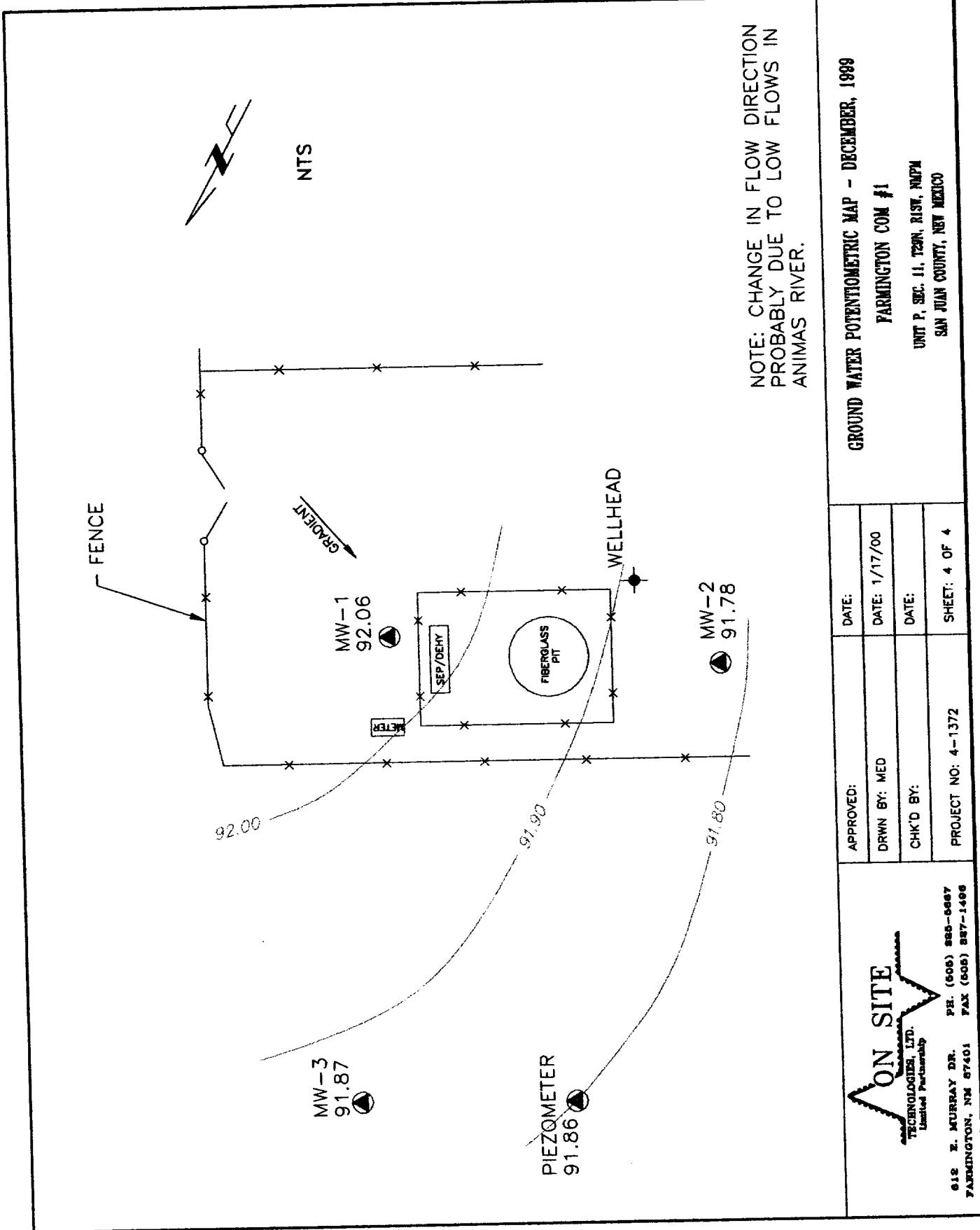
Sample Date	Sample ID#	Monitor Well	Remarks	BTEX per EPA 8020 (ppb)
12/30/97	No Sample	MW #3	No Measurable Water	
3/13/98	No Sample		No Measurable Water	
6/12/98	9806054-02A		On Site Lab	BDL
9/15/98			No Measurable Water	BDL
12/29/98	9812052-02A	MW #3		BDL
3/2/99	903009-02A	MW #3		BDL
6/7/99	9906021-01A	MW #3		BDL
9/14/99	9909048-01A	MW #3		BDL
12/16/99	9912023-01A	MW #3		BDL
				BDL
12/28/98	9812050-01A	Piezometer	On Site Lab.	BDL
				BDL
WQCC	ACTION LEVELS			
			100	750.0
				620.0

BDL Below Detection Levels











OFF: (505) 325-5667

LAB: (505) 325-1556

March 10, 1999

Larry Trujillo
Conoco, Inc.
3315 Bloomfield Hwy
Farmington, NM 87401
TEL: (505) 327-9557
FAX (505) 324-5825

RE: 4-1372; Farmington Com-1

Order No.: 9903009

Dear Larry Trujillo,

On Site Technologies, LTD. received 2 samples on 3/2/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cox".

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.
Project: 4-1372; Farmington Com-1
Lab Order: 9903009

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Mar-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com-1
Work Order:	9903009	Client Sample ID:	MW-1
Lab ID:	9903009-01A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com-1	Collection Date:	3/2/99 9:21:00 AM
		COC Record:	10014

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX						
			SW8021B			Analyst: HR
Benzene	ND	0.5		µg/L	1	3/8/99
Toluene	ND	0.5		µg/L	1	3/8/99
Ethylbenzene	ND	0.5		µg/L	1	3/8/99
m,p-Xylene	ND	1		µg/L	1	3/8/99
o-Xylene	ND	0.5		µg/L	1	3/8/99

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

1 of 1



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 10-Mar-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com-1
Work Order:	9903009	Client Sample ID:	MW-3
Lab ID:	9903009-02A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com-1	Collection Date:	3/2/99 9:15:00 AM
		COC Record:	10014

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX			SW8021B			Analyst: HR
Benzene	ND	0.5		µg/L	1	3/8/99
Toluene	ND	0.5		µg/L	1	3/8/99
Ethylbenzene	ND	0.5		µg/L	1	3/8/99
m,p-Xylene	ND	1		µg/L	1	3/8/99
o-Xylene	ND	0.5		µg/L	1	3/8/99

Qualifiers: PQL - Practical Quantitation Limit S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limit R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Limit E - Value above quantitation range
B - Analyte detected in the associated Method Blank Surrt. - Surrogate

1 of 1

10014

The logo for On Site Technologies, Ltd. features the company name "ON SITE" in a bold, sans-serif font, positioned vertically along the left side of a large, stylized five-pointed star outline. To the right of the star, the words "TECHNOLOGIES, LTD." are written vertically.

CHAIN OF CUSTODY RECORD

6112 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

Purchase Order No.:		Project No. 4-1372		Name Luey Tru, II.	Title																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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To Re-order Call 325-9600 or Fax 325-9764 **alphagraphics®** FORM # 01

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client



OFF: (505) 325-5667

LAB: (505) 325-1556

March 10, 1999

Larry Trujillo
Conoco, Inc.
3315 Bloomfield Hwy
Farmington, NM 87401
TEL: (505) 327-9557
FAX (505) 324-5825

RE: 4-1372; Farmington Com-1

Order No.: 9903013

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 3/3/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cox".

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.

Project: 4-1372; Farmington Com-1

Lab Order: 9903013

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Mar-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com-1
Work Order:	9903013	Client Sample ID:	MW-2
Lab ID:	9903013-01A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com-1	Collection Date:	3/3/99 9:30:00 AM
		COC Record:	10019

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX						
			SW8021B			Analyst: HR
Benzene	ND	0.5		µg/L	1	3/8/99
Toluene	ND	0.5		µg/L	1	3/8/99
Ethylbenzene	4.3	0.5		µg/L	1	3/8/99
m,p-Xylene	79	1		µg/L	1	3/8/99
o-Xylene	6	0.5		µg/L	1	3/8/99

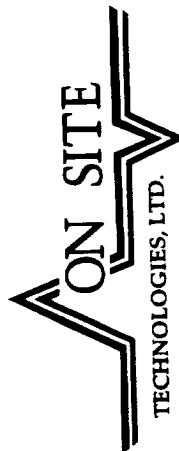
Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

1 of 1

10015

CHAIN OF CUSTODY RECORD



6112 E. Murray Dr. • P.O. Box 2606 • Farmington Hills, MI 48336
AB: (505) 325-5667 • FAX: (505) 327-1496

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TECHNOLOGIES, LTD.

Client Signature Must Accompany Request)

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenerod - Client

To Re-order Call 325-9600 or Fax 325-9764 **alphaphotos** FORM # 01



OFF: (505) 325-5667

LAB: (505) 325-1556

June 17, 1999

Larry Trujillo
Conoco, Inc.
3315 Bloomfield Hwy
Farmington, NM 87401
TEL: (505) 327-9557
FAX (505) 324-5825

RE: 4-1372; Farmington Com 1

Order No.: 9906021

Dear Larry Trujillo,

On Site Technologies, LTD. received 3 samples on 6/7/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cox".

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: Conoco, Inc.
Project: 4-1372; Farmington Com 1
Lab Order: 9906021

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 17-Jun-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com 1
Work Order:	9906021	Client Sample ID:	MW-3
Lab ID:	9906021-01A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com 1	Collection Date:	6/7/99 1:20:00 PM
		COC Record:	10187

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DC
Benzene	ND	0.5		µg/L	1	6/16/99
Toluene	ND	0.5		µg/L	1	6/16/99
Ethylbenzene	ND	0.5		µg/L	1	6/16/99
m,p-Xylene	ND	1		µg/L	1	6/16/99
o-Xylene	ND	0.5		µg/L	1	6/16/99

Qualifiers: PQL - Practical Quantitation Limit S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limit R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Limit E - Value above quantitation range
B - Analyte detected in the associated Method Blank Surr. - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 17-Jun-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com 1
Work Order:	9906021	Client Sample ID:	MW-2
Lab ID:	9906021-02A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com 1	Collection Date:	6/7/99 1:30:00 PM
		COC Record:	10187

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
		SW8021B				Analyst: DC
Benzene	ND	0.5		µg/L	1	6/16/99
Toluene	ND	0.5		µg/L	1	6/16/99
Ethylbenzene	ND	0.5		µg/L	1	6/16/99
m,p-Xylene	ND	1		µg/L	1	6/16/99
o-Xylene	ND	0.5		µg/L	1	6/16/99

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

I of I

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 17-Jun-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com 1
Work Order:	9906021	Client Sample ID:	MW-1
Lab ID:	9906021-03A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com 1	Collection Date:	6/7/99 1:40:00 PM
		COC Record:	10187

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DC
Benzene	ND	0.5		µg/L	1	6/16/99
Toluene	ND	0.5		µg/L	1	6/16/99
Ethylbenzene	ND	0.5		µg/L	1	6/16/99
m,p-Xylene	ND	1		µg/L	1	6/16/99
o-Xylene	ND	0.5		µg/L	1	6/16/99

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

1 of 1



CHAIN OF CUSTODY RECORD

612 E. Murray Dr. • PO Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

TECHNOLOGIES, LTD.

Purchase Order No.: <u>4 - 1372</u>		Project No. <u>4 - 1372</u>		Name <u>Lage, Tracy, II,</u> Company <u>Conoco</u>		Title	
Name <u>Lage, Tracy, II,</u> Company <u>Conoco</u>		Dept.		Mailing Address			
Address				City, State, Zip			
City, State, Zip				Telephone No.		Telefax No.	
PROJECT LOCATION: <u>Farmington, NM</u>							
SAMPLER'S SIGNATURE: <u>Tracy Lage</u>							
SAMPLE IDENTIFICATION		SAMPLE		CONTAINERS		LAB ID	
		DATE	TIME	MATRIX	PRES.		
SEND TO RECEIVED	<u>MVJ-2</u>	<u>1320</u>	<u>H2O</u>	<u>HCl</u>	<u>2</u>	<u>1</u>	
	<u>MA-2</u>	<u>1320</u>	<u>H2O</u>	<u>HCl</u>	<u>2</u>	<u>2</u>	
	<u>KW-1</u>	<u>1340</u>	<u>H2O</u>	<u>HCl</u>	<u>2</u>	<u>3</u>	
ANALYSIS REQUESTED							
Number of Containers							
RESULTS TO							
Date: <u>6-7-97</u> Page: <u>1</u> of <u>1</u>							
Relinquished by: <u>Tracy Lage</u> Relinquished by: Relinquished by: Method of Shipment:		Date/Time: <u>6/7/97 14:00</u> Date/Time: Date/Time: By Date	Received by: <u>Tracy Lage</u> Received by: Received by:		Date/Time		
Authorized by: _____ (Client Signature Must Accompany Request)		Special Instructions / Remarks:					
Distribution: White - On Site Yellow - LAB Pink - Sampler Goldentrod - Client		To Recorder Call 325-9600 or Fax 325-9764 alphagraphics* FORM #01					



OFF: (505) 325-5667

LAB: (505) 325-1556

September 21, 1999

Larry Trujillo
Conoco, Inc.
3315 Bloomfield Hwy
Farmington, NM 87401
TEL: (505) 327-9557
FAX (505) 324-5825

RE: Farmington Com-1; 4-1372

Order No.: 9909048

Dear Larry Trujillo,

On Site Technologies, LTD. received 3 samples on 9/14/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cox".

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: Conoco, Inc.

Project: Farmington Com-1; 4-1372

Lab Order: 9909048

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com-1
Work Order:	9909048	Client Sample ID:	MW-3
Lab ID:	9909048-01A	Matrix:	AQUEOUS
Project:	Farmington Com-1; 4-1372	Collection Date:	9/14/99 10:50:00 AM
		COC Record:	10317

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Benzene	ND	0.5		µg/L	1	9/20/99
Toluene	ND	0.5		µg/L	1	9/20/99
Ethylbenzene	ND	0.5		µg/L	1	9/20/99
m,p-Xylene	ND	1		µg/L	1	9/20/99
o-Xylene	ND	0.5		µg/L	1	9/20/99

Qualifiers: PQL - Practical Quantitation Limit S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limit R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Limit E - Value above quantitation range
B - Analyte detected in the associated Method Blank Surrogate

I of 1

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TECHNOLOGY REDEFINING INDUSTRY WITH THE ENVIRONMENT

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

Client:	Conoco, Inc.	Client Sample Info:	Farmington Com-1
Work Order:	9909048	Client Sample ID:	MW-2
Lab ID:	9909048-02A	Matrix:	AQUEOUS
Project:	Farmington Com-1; 4-1372	Collection Date:	9/14/99 11:12:00 AM
		COC Record:	10317

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Benzene	ND	0.5		µg/L	1	9/20/99
Toluene	1	0.5		µg/L	1	9/20/99
Ethylbenzene	ND	0.5		µg/L	1	9/20/99
m,p-Xylene	ND	1		µg/L	1	9/20/99
o-Xylene	ND	0.5		µg/L	1	9/20/99

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

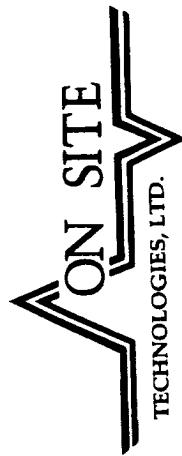
Client:	Conoco, Inc.	Client Sample Info:	Farmington Com-1
Work Order:	9909048	Client Sample ID:	MW-1
Lab ID:	9909048-03A	Matrix:	AQUEOUS
Project:	Farmington Com-1; 4-1372	Collection Date:	9/14/99 11:25:00 AM
		COC Record:	10317

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Benzene	ND	0.5		µg/L	1	9/20/99
Toluene	1.2	0.5		µg/L	1	9/20/99
Ethylbenzene	ND	0.5		µg/L	1	9/20/99
m,p-Xylene	ND	1		µg/L	1	9/20/99
o-Xylene	ND	0.5		µg/L	1	9/20/99

Qualifiers: PQL - Practical Quantitation Limit S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limit R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Limit E - Value above quantitation range
B - Analyte detected in the associated Method Blank Surrogate

I of 1

P.O. BOX 2606 • FARMINGTON, NM 87499



CHAIN OF CUSTODY RECORD

10317

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

Date: 9/14/97Page: 1 of 1

Purchase Order No.:		Project No. <u>41.1372</u>		Title	
Name <u>Larry Taylor</u>	Company <u>Conex</u>	Address	City, State, Zip	Name <u>Larry Taylor</u>	Company <u>Conex</u>
PROJECT LOCATION: <u>Farmington, NM - 1</u>		SAMPLE IDENTIFICATION		LAB ID	
SAMPLER'S SIGNATURE: <u>Larry Taylor</u>		DATE <u>9/14/97</u>	TIME <u>10:50</u>	MATRIX <u>WATER</u>	PRES. <u>2</u>
SEND INVOICE TO		DATE <u>9/12</u>	TIME <u>10:50</u>	MATRIX <u>None</u>	PRES. <u>2</u>
Number of Containers		DATE <u>9/12</u>	TIME <u>11:25</u>	MATRIX <u>WATER</u>	PRES. <u>2</u>
RESULTS TO		DATE <u>9/12</u>	TIME <u>11:25</u>	MATRIX <u>WATER</u>	PRES. <u>2</u>
PROJECT LOCATION:		DATE <u>9/12</u>	TIME <u>11:25</u>	MATRIX <u>WATER</u>	PRES. <u>2</u>
SPECIAL INSTRUCTIONS / REMARKS:		Date _____			
Authorized by: <u>John Taylor</u> (Client Signature Must Accompany Request)		Date/Time <u>9/14/97</u>	Received by: <u>John Taylor</u>		
Relinquished by: <u>John Taylor</u>		Date/Time <u>9/14/97</u>	Received by: <u>John Taylor</u>		
Relinquished by: <u>John Taylor</u>		Date/Time <u>9/14/97</u>	Received by: <u>John Taylor</u>		
Method of Shipment:		Rush	24-48 Hours	10 Working Days	By Date
Distribution: White - On Site Yellow - LAB Pink - Sampler Goldentrod - Client		To Re-order Call 325-9600 or Fax 325-9764 AlphaGraphics FORM # 01			



OFF: (505) 325-5667

LAB: (505) 325-1556

December 30, 1999

Larry Trujillo
On Site Technologies Limited
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499
TEL: (505) 325-5667
FAX (505) 327-1496

RE: 4-1372; Farmington Com 1

Order No.: 9912023

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 12/16/1999 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Cox".

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Dec-99

CLIENT: On Site Technologies Limited
Project: 4-1372; Farmington Com 1
Lab Order: 9912023

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 30-Dec-99

Client:	On Site Technologies Limited	Client Sample Info:	Farmington Com 1
Work Order:	9912023	Client Sample ID:	MW-3
Lab ID:	9912023-01A	Collection Date:	12/16/1999 10:00:00 AM
Project:	4-1372; Farmington Com 1	COC Record:	10450

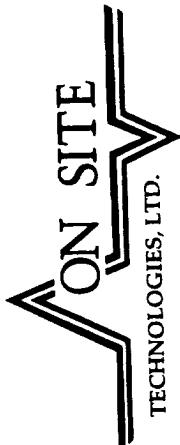
Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Benzene	ND	0.5		µg/L	1	12/17/1999
Toluene	ND	0.5		µg/L	1	12/17/1999
Ethylbenzene	ND	0.5		µg/L	1	12/17/1999
m,p-Xylene	ND	1		µg/L	1	12/17/1999
o-Xylene	ND	0.5		µg/L	1	12/17/1999

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499



CHAIN OF CUSTODY RECORD

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB. (505) 325-5667 • FAX: (505) 327-1496

Date: 12/11/01
Page: 1 of 1

Purchase Order No.: Project No. 11112		RESULTS TO Company <u>Goldenrod</u>		Name <u>Larry Taylor</u> , Title	
Name <u>Larry Taylor</u> , Company <u>Goldenrod</u>		Mailing Address			
Address		City, State, Zip			
City, State, Zip		Telephone No.		Telefax No.	
ANALYSIS REQUESTED					
Number of Containers					
LAB ID					
PROJECT LOCATION: <u>Farmington, NM</u>					
SAMPLER'S SIGNATURE: <u>Larry Taylor</u>					
SAMPLE IDENTIFICATION		SAMPLE			
		DATE	TIME	MATRIX	PRES.
SEND OF INVOICE	1	1	1	1	1
	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
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10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
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217	21				



OFF: (505) 325-5667

LAB: (505) 325-1556

December 30, 1999

Larry Trujillo
On Site Technologies Limited
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499
TEL: (505) 325-5667
FAX (505) 327-1496

RE: 4-1372; Farmington Com 1

Order No.: 9912020

Dear Larry Trujillo,

On Site Technologies, LTD. received 2 samples on 12/15/1999 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cox".

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Dec-99

CLIENT: On Site Technologies Limited
Project: 4-1372; Farmington Com 1
Lab Order: 9912020

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT**Date: 30-Dec-99**

Client:	On Site Technologies Limited	Client Sample Info:	Farmington Com 1
Work Order:	9912020	Client Sample ID:	MW-2
Lab ID:	9912020-01A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com 1	Collection Date:	12/15/1999 9:50:00 AM
		COC Record:	10447

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Benzene	ND	0.5		µg/L	1	12/16/1999
Toluene	0.9	0.5		µg/L	1	12/16/1999
Ethylbenzene	ND	0.5		µg/L	1	12/16/1999
m,p-Xylene	ND	1		µg/L	1	12/16/1999
o-Xylene	ND	0.5		µg/L	1	12/16/1999

Qualifiers: PQL - Practical Quantitation Limit S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limi: R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Lim t E - Value above quantitation range
B - Analyte detected in the associated Method Blank Surrogate

*I of 1***P.O. BOX 2606 • FARMINGTON, NM 87499**

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Dec-99

Client:	On Site Technologies Limited	Client Sample Info:	Farmington Com 1
Work Order:	9912020	Client Sample ID:	MW-1
Lab ID:	9912020-02A	Matrix:	AQUEOUS
Project:	4-1372; Farmington Com 1	Collection Date:	12/15/1999 9:55:00 AM
		COC Record:	10447

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
		SW8021B				Analyst: DM
Benzene	ND	0.5		µg/L	1	12/16/1999
Toluene	0.7	0.5		µg/L	1	12/16/1999
Ethylbenzene	ND	0.5		µg/L	1	12/16/1999
m,p-Xylene	ND	1		µg/L	1	12/16/1999
o-Xylene	ND	0.5		µg/L	1	12/16/1999

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499



CHAIN OF CUSTODY RECORD

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

Date: Dec 15/1997

Page: 1 of _____

Purchase Order No.:		Project No. 4/-1372		Name <i>Larry Tracy, Jr.</i>		Title	
Name <i>Larry Tracy, Jr.</i>		Company <i>Conoco Inc.</i>		Company <i>Conoco Inc.</i>		Title	
Company <i>Conoco Inc.</i>		Dept.		Mailing Address			
Address				City, State, Zip			
City, State, Zip				Telephone No.		Telefax No.	
ANALYSIS REQUESTED							
PROJECT LOCATION: Farmington, NM		Number of Containers		Number of Samples		LAB ID	
SAMPLER'S SIGNATURE: <i>Jay J. Tracy</i>		SAMPLE		SAMPLE			
SAMPLE IDENTIFICATION		DATE	TIME	MATRIX	PRES.		
INVOICE #	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
SEND	4/-1372	12/15/97	09:55 AM	C	IC		
OF	4/-1372	12/15/97	09:55 AM	C	IC		
INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
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OF	4/-1372	12/15/97	09:55 AM	C	IC		
INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
SEND	4/-1372	12/15/97	09:55 AM	C	IC		
OF	4/-1372	12/15/97	09:55 AM	C	IC		
INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
SEND	4/-1372	12/15/97	09:55 AM	C	IC		
OF	4/-1372	12/15/97	09:55 AM	C	IC		
INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
SEND	4/-1372	12/15/97	09:55 AM	C	IC		
OF	4/-1372	12/15/97	09:55 AM	C	IC		
INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
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INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
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INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
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INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
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SEND	4/-1372	12/15/97	09:55 AM	C	IC		
OF	4/-1372	12/15/97	09:55 AM	C	IC		
INVOICE	4/-1372	12/15/97	09:55 AM	C	IC		
TO	4/-1372	12/15/97	09:55 AM	C	IC		
SEND	4/-1372	12/15/9					