

3R - 93

REPORTS

DATE:

1999

ON SITE
TECHNOLOGIES, LTD.

January 6, 2000

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

RE: 1999 Annual Ground Water Report
Conoco Location: San Juan 28-7 #19
Unit G, Sec. 25, T28N, R7W, NMPM, San Juan Co., NM

Project #: 2-1358

Dear Ms. Ebert:

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 covered the prior 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 1999 ACTIVITIES:

Sampling events were conducted in March, June, September and December of 1999. Laboratory result for the last three (3) sampling events (June, September, December) show that the BTEX contamination has been below New Mexico Water Quality Control Commission (NMWQCC) standards. Ground Water elevations have remained constant with little fluctuation in elevation. Refer to BTEX concentration graph for summary of ground water quality and elevations.

SAMPLING:

Following the approved Conoco plan, during each sampling event, water levels were measured on all monitoring wells prior to purging and sampling. Samples were collected in laboratory supplied containers, preserved as needed, 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 each sampling event. Table 2, summarizes the laboratory results for BTEX compounds from all water sampling completed at the referenced site, including assessment data.

Copies of all laboratory reports for the calendar year 1998, along with all laboratory QA/QC documentation and chains-of-custody, are attached with this report.

SUMMARY AND CONCLUSIONS:

The following conclusions are based on the 1999 ground water monitoring results and trends associated with a former production pit at the San Juan 28-7 #19 well location:

1. BTEX contamination of ground water has been below NMWQCC standards for the last three sampling events (June, September, and December).
2. Ground water elevations have remained relatively constant.

PO Box 2606
Farmington, NM

505-325-5667

FAX: 505-327-1496

RECOMMENDATIONS:

1. Continue groundwater monitoring until four (4) quarters of water quality at or below NMWQCC standards.
2. Upon completion of groundwater monitoring, complete Final Pit Closure Form and request no further action for submission to NMOCD.
3. Following NMOC approval of no other further action, plug and abandoned monitoring well in accordance with current regulations.

LIMITATIONS AND CLOSURE:

This annual groundwater report documents the results of ground water monitoring for the referenced Conoco well location during the calendar year 1999. This report follows the Conoco Ground Water Plan, dated October 15, 1997.

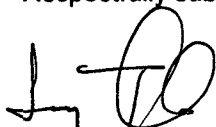
The scope of On Site Technologies' services consisted of project management, periodic water sampling and measurement of water levels, laboratory testing for ground water quality, and preparation of the annual report. All work has been performed in accordance with generally accepted professional practices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

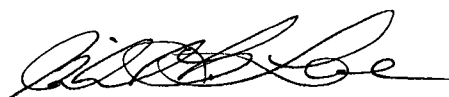
If there are any questions regarding this status report, please contact either Myke Lane or Larry Trujillo at On Site Technologies, (505) 325-5667. Thank you for your consideration.

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
 Figure 1: Site Sketch
 Figure 2: Ground Water Potentiometric Map (Not Applicable)
 Boring Logs and Monitoring Well Diagrams (Not Available)
 BTEX Concentration Graph
 Laboratory Results, QA/QC, Chain of Custody

Acknowledgment:
CONOCO, Inc.

Shirley L. Ebert FSE
(Name/Title)

2/10/00
(Date)

REFERENCES:

New Mexico Oil Conservation Division, January 31, 1997, Letter to Mr. Neal Goates, Senior Environmental Specialist, Conoco, Inc. Midland Division, regarding: *Ground Water Contamination Assessment San Juan Unit Wells #219, #47, #19, #126, Conoco Location, San Juan 28-7 #19, Unit G, Sec. 25, T28N, R7W, 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, San Juan 28-7-19, Unit G, Sec. 25, T28N, R7W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., February 7, 1999, letter to Ms. Shirley Ebert, SHEAR Specialist, Conoco, Inc., Midland Division, regarding 1998 Annual Ground Water Report, *Conoco Location, San Juan 28-7-19, Unit G, Sec. 25, T28N, R7W, NMPM, San Juan Co., NM.*

Table1

Ground Water Level Summary

San Juan 28-7-19

Unit G, Sec. 25, T28N, R7W

Well Number	Elevation at ground surface (ft)	Total Depth of Well (ft)*	Well Type	Screen Interval (ft) (BGS) *	Sample Date	Depth to Groundwater (ft) (BTOC)*	Relative Groundwater Elevation (ft)
MW#1	6214.0	86.09	2" PVC	N/A	03/26/97	79.01	6134.99
					06/10/97	78.90	3135.10
					10/9/97	79.03	6134.97
					12/22/97	79.01	6134.99
					3/9/98	79.13	6134.87
					6/9/98	79.19	6134.87
					9/14/98	79.19	6134.84
					12/9/98	79.23	6134.77
					3/1/99	79.46	6134.54
					6/7/99	79.28	6134.72
					9/10/99	79.32	6134.68
					12/13/99	78.94	6135.06

BGS - approximate measurements taken as Below Ground Surface

BTOC - Below Top of Casing

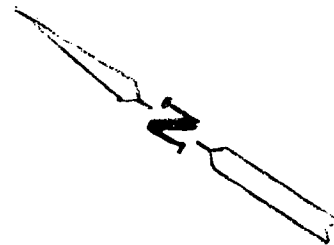
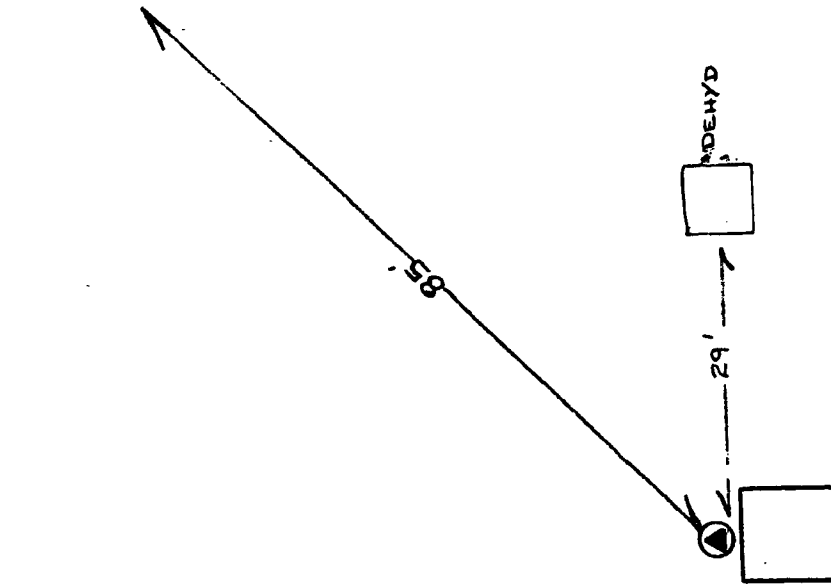
NM - Not Measured

Table 2
BTEX Analytical Summary
San Juan 28-7-19
Unit G, Sec. 25, T28N, R7W

Sample Date	Sample ID#	Monitor Well	Remarks	BTEX per EPA 8020 (ppb)			
				Benzene	Toluene	Ethylbenzene	Total Xylene
08/11/95	G01373	MVW#1	IML	65.2	973.0	33.5	124.5
03/12/96	039600376		IML	14.0	12.0	11.0	78.0
07/17/96	039601348		IML	0.4	0.3	0.7	0.8
03/26/97	14046		On Site Lab.	48.1	25.9	1.0	406
04/21/97	14293		On Site Lab.	168.0	119.0	3.7	27.0
06/10/97	14895		On Site Lab.	27.4	13.8	1.0	3.0
10/9/97	16562		On Site Lab.	49.5	8.1	1.8	4.7
12/22/97	17207		On Site Lab.	59.2	23.9	1.4	8.5
3/9/98	9803028-01A		On Site Lab.	6.5	2.4	0.9	1.0
6/9/98	9806042-01A		On Site Lab.	22.0	7.1	BDL	3.2
9/14/98	9809028-01A		On Site Lab.	24.0	8.4	BDL	5.0
12/9/98	9812023-01A		On Site Lab.	35.0	12.0	BDL	6.2
3/1/99	9903002-01A		On Site Lab.	21.0	18.0	0.6	3.6
6/7/99	9906018-01A		On Site Lab.	3.0	2.1	1.2	3.4
9/10/99	9909036-01A		On Site Lab.	2.1	BDL	BDL	0.6
12/13/99	9909036-01A		On Site Lab.	6.2	3.3	BDL	BDL
WQCC	ACTION	LEVELS		10.0	750.0	750.0	620.0

BDL Below Detection Levels

METER
HOUSE



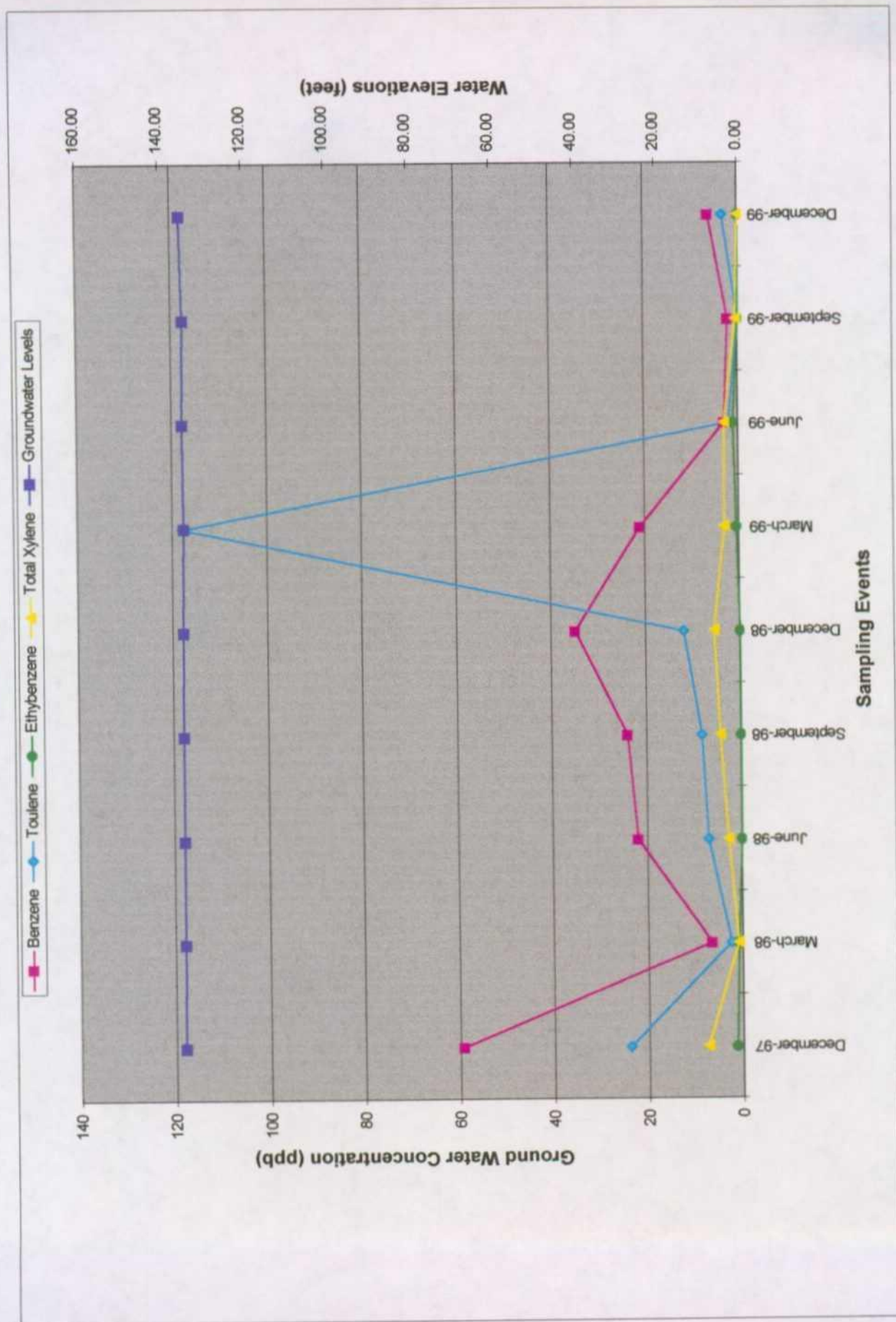
SITE MAP

SAN JUAN 28-7-19

NOT TO SCALE

ALL DISTANCES APPROXIMATED

San Juan 28-7-19



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: San Juan 28-7-19; 2-1358

Order No.: 9903002

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 3/1/99 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", with a stylized flourish at the end.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.
Project: San Juan 28-7-19; 2-1358
Lab Order: 9903002

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:	San Juan 28-7-19
Work Order:	9903002	Client Sample ID:	MW#1
Lab ID:	9903002-01A	Matrix:	AQUEOUS
Project:	San Juan 28-7-19; 2-1358	Collection Date:	3/1/99 8:50:00 AM
		COC Record:	10011

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8021B				Analyst: HR
Benzene	21	0.5		µg/L	1	3/8/99
Toluene	18	0.5		µg/L	1	3/8/99
Ethylbenzene	0.6	0.5		µg/L	1	3/8/99
m,p-Xylene	2.2	1		µg/L	1	3/8/99
o-Xylene	1.4	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

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.

Work Order: 9903002

Project: San Juan 28-7-19; 2-1358

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_990308	Test Code: SW8021B	Units: µg/L	Analysis Date 3/8/99	Prep Date:
Client ID:	9903002	Run ID: GC-1_990308A		SeqNo: 11839	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	ND	0.5			
Ethylbenzene	ND	0.5			
m,p-Xylene	ND	1			
Methyl tert-Butyl Ether	ND	1			
o-Xylene	.0298	0.5			J
Toluene	.0703	0.5			J

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.

Work Order: 9903002

Project: San Juan 28-7-19; 2-1358

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9902089-02AMS	Batch ID: GC-1_990308	Test Code: SW8021B	Units: µg/L	Analysis Date 3/8/99	Prep Date:
Client ID: 9903002	Run ID: GC-1_990308A	PQL	SPK value	SeqNo: 11840	
Analyte	Result		SPK Ref Val	LowLimit	HighLimit
Benzene	201.2	2.5	200	73	115
Ethylbenzene	205.8	2.5	200	74	117
m,p-Xylene	422	5	400	76	112
Methyl tert-Butyl Ether	201.9	5	200	62	122
o-Xylene	206.4	2.5	200	83	112
Toluene	361.2	2.5	200	71	120

Sample ID: 9902089-02AMS	Batch ID: GC-1_990308	Test Code: SW8021B	Units: µg/L	Analysis Date 3/8/99	Prep Date:
Client ID: 9903002	Run ID: GC-1_990308A	PQL	SPK value	SeqNo: 11841	
Analyte	Result		SPK Ref Val	LowLimit	HighLimit
Benzene	206.4	2.5	200	73	115
Ethylbenzene	211.1	2.5	200	74	117
m,p-Xylene	432	5	400	76	112
Methyl tert-Butyl Ether	203.1	5	200	62	122
o-Xylene	210.8	2.5	200	83	112
Toluene	370	2.5	200	71	120

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.

Work Order: 9903002

Project: San Juan 28-7-19; 2-1358

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER	Batch ID: GC-1_990308	Test Code: SW8021B	Units: µg/L	Analysis Date 3/8/99	Prep Date:
Client ID: 9903002	Run ID: GC-1_990308A	PQL	SPK value	SeqNo: 11838	
Analyte	Result	PQL	SPK value	LowLimit	HighLimit
Benzene	42.31	0.5	40	84	110
Ethylbenzene	42.1	0.5	40	86	113
m,p-Xylene	82.11	1	80	81	114
Methyl tert-Butyl Ether	40.3	1	40	69	129
o-Xylene	42.03	0.5	40	86	112
Toluene	41.6	0.5	40	85	111
				%REC	
				105.8%	
				105.3%	
				102.6%	
				100.7%	
				105.0%	
				103.8%	
				RPD Ref Val	RPDLimit
					Qual

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: Conoco, Inc.
Work Order: 9903002
Project: San Juan 28-7-19; 2-1358

Date: 10-Mar-99

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0606/07		Batch ID: GC-1_990308	Test Code: SW8021B	Units: µg/L	Analysis Date 3/8/99				Prep Date:		
Client ID:		9903002	Run ID: GC-1_990308A		SeqNo: 11835						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.99	0.5	20	0	105.0%	85	115				
Ethylbenzene	20.95	0.5	20	0	104.8%	85	115				
m,p-Xylene	40.81	1	40	0	102.0%	85	115				
Methyl tert-Butyl Ether	20.4	1	20	0	102.0%	85	115				
o-Xylene	20.95	0.5	20	0	104.8%	85	115				
Toluene	20.6	0.5	20	0	103.0%	85	115				
1,4-Difluorobenzene	93.85	0	100	0	93.8%	84	100				
4-Bromochlorobenzene	96.37	0	100	0	96.4%	87	105				
Fluorobenzene	96.13	0	100	0	96.1%	87	99				

Sample ID: CCV2 QC0606/07		Batch ID: GC-1_990308		Test Code: SW8021B		Units: µg/L		Analysis Date 3/8/99		Prep Date:	
Client ID:		9903002		Run ID: GC-1_990308A				SeqNo: 11836			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.28	0.5	20	0	106.4%	85	115				
Ethylbenzene	21.1	0.5	20	0	105.5%	85	115				
m,p-Xylene	40.9	1	40	0	102.3%	85	115				
Methyl tert-Butyl Ether	20.43	1	20	0	102.2%	85	115				
o-Xylene	21.06	0.5	20	0	105.3%	85	115				
Toluene	20.86	0.5	20	0	104.3%	85	115				
1,4-Difluorobenzene	93.79	0	100	0	93.8%	84	100				
4-Bromochlorobenzene	96.38	0	100	0	96.4%	87	105				
Fluorobenzene	95.75	0	100	0	95.8%	87	99				

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Conoco, Inc.
Work Order: 9903002
Project: San Juan 28-7-19; 2-1358

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 QC0606/07		Batch ID: GC-1_9903008	Test Code: SW8021B		Units: µg/L		Analysis Date 3/8/99		Prep Date:		
Client ID:		9903002	Run ID:	GC-1_990308A			SeqNo: 11837				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.6	0.5	40	0	101.5%	85	115				
Ethylbenzene	40.11	0.5	40	0	100.3%	85	115				
m,p-Xylene	78.34	1	80	0	97.9%	85	115				
Methyl tert-Butyl Ether	40.67	1	40	0	101.7%	85	115				
o-Xylene	40.58	0.5	40	0	101.4%	85	115				
Toluene	39.95	0.5	40	0	99.9%	85	115				
1,4-Difluorobenzene	93.52	0	100	0	93.5%	84	100				
4-Bromochlorobenzene	94.65	0	100	0	94.7%	87	105				
Fluorobenzene	95.46	0	100	0	95.5%	87	99				

On Site Technologies, LTD.

Date: 10-Mar-99

CLIENT: Conoco, Inc.
Work Order: 9903002
Project: San Juan 28-7-19; 2-1358
Test No: SW8021B

**QC SUMMARY REPORT
SURROGATE RECOVERIES**

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ
9902089-01A	94.3	96.5	96.4
9902089-02AMS	93.2	96.5	95.2
9902089-02AMSD	92.7	96.4	95.4
9902096-01A	94.4	96	96.4
9902096-02A	94.2	96.4	96.5
9902096-03A	94	96.4	96.6
9902096-05A	94.5	95.8	96.3
9903001-02A	94	95.5	96.7
9903002-01A	89.9	93.1	93.5
9903003-01A	93.7	96.1	96
9903004-01A	89.8	94.5	92.1
9903006-01A	92.5	95.9	94
9903006-02A	92.6	93.9	95.1
9903006-03A	94.4	95.7	96.4
9903008-01A	89.3	90.7	96.6
9903009-01A	94.4	95.9	96.9
9903009-02A	94.2	96.3	96.4
9903010-01A	92.5	97.3	94.5
9903013-01A	93.6	94.8	95.6
CCV1 QC0606/07	93.8	96.4	96.1
CCV2 QC0606/07	93.8	96.4	95.8
CCV3 QC0606/07	93.5	94.6	95.4
LCS WATER	93.4	96.4	95.4
MB1	94.2	96.3	96.6

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	84-100
4BCBZ	= 4-Bromochlorobenzene	87-105
FLBZ	= Fluorobenzene	87-99

* Surrogate recovery outside acceptance limits



Date: 11/11/2011

Page: 1 of 1

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

[illegible]



Date: 5/11/

Page: 1 of 1

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

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: 2-1358; San Juan 28-7-19

Order No.: 9906018

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample 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", written over a horizontal line.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: Conoco, Inc.
Project: 2-1358; San Juan 28-7-19
Lab Order: 9906018

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.

Work Order: 9906018

Lab ID: 9906018-01A

Project: 2-1358; San Juan 28-7-19

Matrix: AQUEOUS

Client Sample Info: San Juan 28-7-19

Client Sample ID: Sample #1

Collection Date: 6/7/99 8:45:00 AM

COC Record: 10191

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Benzene	3	0.5		µg/L	1	6/16/99
Toluene	2.1	0.5		µg/L	1	6/16/99
Ethylbenzene	1.2	0.5		µg/L	1	6/16/99
m,p-Xylene	2.5	1		µg/L	1	6/16/99
o-Xylene	0.9	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

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Date: 17-Jun-99

Conoco, Inc.

9906018

2-1358: San Juan 28-7-19

Method Blank

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

1 of 1

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: Conoco, Inc.

Work Order: 9906018

Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9906015-24AMS		Batch ID: GC-1_990616		Test Code: SW8021B		Units: µg/L		Analysis Date 6/16/99		Prep Date:	
Client ID: 9906018		Run ID: GC-1_990616A		PQL		SPK value		SeqNo: 16006			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6491	50	4000	2480	100.3%	73	115				
Ethylbenzene	4512	50	4000	189.1	108.1%	74	117				
m,p-Xylene	9582	100	8000	1256	104.1%	76	112				
Methyl tert-Butyl Ether	4626	100	4000	522.1	102.6%	62	122				
o-Xylene	4506	50	4000	147.5	109.0%	83	112				
Toluene	4681	50	4000	473	105.2%	71	120				

Sample ID: 9906015-24AMSD		Batch ID: GC-1_990616		Test Code: SW8021B		Units: µg/L		Analysis Date 6/16/99		Prep Date:	
Client ID: 9906018		Run ID: GC-1_990616A		PQL		SPK value		SeqNo: 16007			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6302	50	4000	2480	95.6%	73	115	6491	2.9%	8	
Ethylbenzene	4388	50	4000	189.1	105.0%	74	117	4512	2.8%	9	
m,p-Xylene	9316	100	8000	1256	100.8%	76	112	9582	2.8%	9	
Methyl tert-Butyl Ether	4536	100	4000	522.1	100.4%	62	122	4626	2.0%	7	
o-Xylene	4389	50	4000	147.5	106.0%	83	112	4506	2.6%	9	
Toluene	4542	50	4000	473	101.7%	71	120	4681	3.0%	9	

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: Conoco, Inc.

Work Order: 9906018

Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER	Batch ID: GC-1_990616	Test Code: SW8021B	Units: µg/L	Analysis Date 6/16/99	Prep Date:
Client ID: 9906018	Run ID: GC-1_990616A	PQL	SPK value	SeqNo: 16004	
Analyte	Result	PQL	SPK value	LowLimit	HighLimit
Benzene	39.35	0.5	40	84	110
Ethylbenzene	42.58	0.5	40	86	113
m,p-Xylene	82.73	1	80	81	114
Methyl tert-Butyl Ether	39.42	1	40	69	129
o-Xylene	42.84	0.5	40	86	112
Toluene	41.4	0.5	40	85	111
				%REC	
				98.4%	
				106.5%	
				103.4%	
				98.5%	
				107.0%	
				103.2%	
				RPD Ref Val	RPDLimit
					Qual

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: Conoco, Inc.

Work Order: 9906018

Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_9902		Batch ID: GC-1_990616	Test Code: SW8021B	Units: µg/L	Analysis Date 6/16/99		Prep Date:				
Client ID:	9906018	Run ID:	GC-1_990616A		SeqNo: 16001						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.67	0.5	20	0	103.3%	85	115				
Ethylbenzene	22.1	0.5	20	0	110.5%	85	115				
m,p-Xylene	43.18	1	40	0	107.9%	85	115				
Methyl tert-Butyl Ether	20.92	1	20	0	104.6%	85	115				
o-Xylene	22.22	0.5	20	0	111.1%	85	115				
Toluene	21.55	0.5	20	0	107.7%	85	115				
1,4-Difluorobenzene	93.71	0	100	0	93.7%	86	100				
4-Bromochlorobenzene	94.73	0	100	0	94.7%	90	104				
Fluorobenzene	95.93	0	100	0	95.9%	89	101				

Sample ID: CCV2 BTEX_9902		Batch ID: GC-1_990616	Test Code: SW8021B	Units: µg/L	Analysis Date 6/16/99		Prep Date:				
Client ID:		9906018	Run ID: GC-1_990616A		SeqNo: 16002						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.87	0.5	20	0	104.4%	85	115				
Ethylbenzene	22.19	0.5	20	0	110.9%	85	115				
m,p-Xylene	43.09	1	40	0	107.7%	85	115				
Methyl tert-Butyl Ether	21.5	1	20	0	107.5%	85	115				
o-Xylene	22.33	0.5	20	0	111.7%	85	115				
Toluene	21.68	0.5	20	0	108.4%	85	115				
1,4-Difluorobenzene	94.8	0	100	0	94.8%	86	100				
4-Bromochlorobenzene	94.21	0	100	0	94.2%	90	104				
Fluorobenzene	97.65	0	100	0	97.7%	89	101				

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Conoco, Inc.

Work Order: 9906018

Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 BTEX_9902		Batch ID: GC-1_990616		Test Code: SW8021B		Units: µg/L		Analysis Date 6/16/99		Prep Date:	
Client ID: 9906018		Run ID: GC-1_990616A		PQL		SPK value		SeqNo: 16003			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.95	0.5	40	0	102.4%	85	115				
Ethylbenzene	43.87	0.5	40	0	109.7%	85	115				
m,p-Xylene	84.87	1	80	0	106.1%	85	115				
Methyl tert-Butyl Ether	42.23	1	40	0	105.6%	85	115				
o-Xylene	44.17	0.5	40	0	110.4%	85	115				
Toluene	42.89	0.5	40	0	107.2%	85	115				
1,4-Difluorobenzene	93.9	0	100	0	93.9%	86	100				
4-Bromochlorobenzene	94.74	0	100	0	94.7%	90	104				
Fluorobenzene	96.97	0	100	0	97.0%	89	101				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: Conoco, Inc.
Work Order: 9906018
Project: 2-1358; San Juan 28-7-19
Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ
9906015-17A	94.9	94.1	98.6
9906015-18A	94.9	94.6	98.6
9906015-19A	95.2	94.3	98.9
9906015-20A	95.1	96.4	98.2
9906015-21A	95.1	95.7	98.6
9906015-22A	94.5	93.9	98
9906015-23A	93.7	95.6	96.6
9906015-24A	94.6	93.8	97.4
9906015-24AMS	93.6	95.3	96.5
9906015-24AMSD	93.6	95.6	96.5
9906015-25A	91	94.9	94.2
9906015-26A	95.1	94.8	98.8
9906015-27A	95.3	94.3	96.5
9906018-01A	94.6	95.1	98.7
9906019-01A	95.5	95.2	98.2
9906021-01A	94.9	95.4	98.5
9906021-02A	95.8	94.9	98.6
9906021-03A	95.4	95.3	98.6
9906022-01A	89.9	91.7	95.6
9906023-01A	89	87.1 *	91.5
9906049-01A	95.5	94.9	98.8
CCV1 BTEX_99020	93.7	94.7	95.9
CCV2 BTEX_99020	94.8	94.2	97.6
CCV3 BTEX_99020	93.9	94.7	97
LCS WATER	93.8	95	96.8
MB1	94.9	94.4	96.8

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	86-100
4BCBZ	= 4-Bromochlorobenzene	90-104
FLBZ	= Fluorobenzene	89-101

* Surrogate recovery outside acceptance limits



Date: _____

Page: _____ of _____

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

[illegible]



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

Date: _____

Page: _____ of _____

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

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: San Juan 28-7-19; 2-1538

Order No.: 9909036

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 9/10/99 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 dark ink, appearing to read 'David Cox', is written over a horizontal line.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: Conoco, Inc.
Project: San Juan 28-7-19; 2-1538
Lab Order: 9909036

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:	San Juan 28-7-19
Work Order:	9909036	Client Sample ID:	S-1
Lab ID:	9909036-01A	Matrix:	AQUEOUS
Project:	San Juan 28-7-19; 2-1538	Collection Date:	9/10/99 8:35:00 AM
		COC Record:	10309

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: HR		
Benzene	2.1	0.5		µg/L	1	9/14/99
Toluene	ND	0.5		µg/L	1	9/14/99
Ethylbenzene	ND	0.5		µg/L	1	9/14/99
m,p-Xylene	ND	1		µg/L	1	9/14/99
o-Xylene	0.6	0.5		µg/L	1	9/14/99

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

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: Conoco, Inc.

Work Order: 9909036

Project: San Juan 28-7-19; 2-1538

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99	Prep Date:
Client ID:	9909036	Run ID: GC-1_990914A		SeqNo: 19507	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	.0446	0.5			
Ethylbenzene	ND	0.5			
m,p-Xylene	ND	1			
Methyl tert-Butyl Ether	ND	1			
o-Xylene	ND	0.5			
Toluene	.1364	0.5			J

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: Conoco, Inc.
Work Order: 9909036
Project: San Juan 28-7-19; 2-1538

Date: 21-Sep-99

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9909035-24AMS		Batch ID: GC-1_990914		Test Code: SW8021B		Units: µg/L		Analysis Date: 9/14/99		Prep Date:	
Client ID:		9909036		Run ID: GC-1_990914A				SeqNo: 19508			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2496	10	800	1774	90.2%	80	116				
Ethylbenzene	1971	10	800	1215	94.5%	80	118				
m,p-Xylene	5264	20	1600	3764	93.8%	77	116				
Methyl tert-Butyl Ether	1032	20	800	361.1	83.9%	62	122				
o-Xylene	1955	10	800	1186	96.2%	83	117				
Toluene	6919	10	800	6123	99.5%	80	116				NE

Sample ID: 9909035-24AMSD		Batch ID: GC-1_990914		Test Code: SW8021B		Units: µg/L		Analysis Date: 9/14/99		Prep Date:	
Client ID:		9909036		Run ID: GC-1_990914A				SeqNo: 19509			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2543	10	800	1800	92.9%	80	116	2496	1.9%	7	
Ethylbenzene	2008	10	800	1200	101.0%	80	118	1971	1.9%	7	
m,p-Xylene	5367	20	1600	3800	97.9%	77	116	5264	1.9%	7	
Methyl tert-Butyl Ether	998.5	20	800	360	79.8%	62	122	1032	3.3%	7	
o-Xylene	1986	10	800	1200	98.2%	83	117	1955	1.6%	6	
Toluene	7010	10	800	6100	113.8%	80	116	6919	1.3%	6	NE

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: Conoco, Inc.

Work Order: 9909036

Project: San Juan 28-7-19; 2-1538

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER		Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:			
Client ID:		9909036	Run ID: GC-1_990914A		SeqNo: 19506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.27	0.5	40	0.0446	100.6%	87	119				
Ethylbenzene	41.1	0.5	40	0	102.7%	89	117				
m,p-Xylene	77.2	1	80	0	96.5%	88	114				
Methyl tert-Bulyl Ether	41.27	1	40	0	103.2%	69	129				
o-Xylene	41.04	0.5	40	0	102.6%	90	116				
Toluene	40.67	0.5	40	0.1364	101.3%	90	115				

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: Conoco, Inc.

Work Order: 9909036

Project: San Juan 28-7-19; 2-1538

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_9906	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99	Prep Date:
Client ID: 9909036	Run ID: GC-1_990914A	PQL	SPK value	SeqNo: 19502	
Analyte	Result		SPK Ref Val	LowLimit	HighLimit
Benzene	20.11	0.5	20	85	115
Ethylbenzene	20.47	0.5	20	85	115
m,p-Xylene	38.52	1	40	85	115
Methyl tert-Butyl Ether	20.42	1	20	85	115
o-Xylene	20.44	0.5	20	85	115
Toluene	20.16	0.5	20	85	115
1,4-Difluorobenzene	89.02	0	100	80	120
4-Bromochlorobenzene	89.72	0	100	80	120
Fluorobenzene	87.84	0	100	80	120

Sample ID: CCV2 BTEX_9906	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99	Prep Date:
Client ID: 9909036	Run ID: GC-1_990914A	PQL	SPK value	SeqNo: 19503	
Analyte	Result		SPK Ref Val	LowLimit	HighLimit
Benzene	20.54	0.5	20	85	115
Ethylbenzene	20.98	0.5	20	85	115
m,p-Xylene	39.5	1	40	85	115
Methyl tert-Butyl Ether	20.52	1	20	85	115
o-Xylene	20.93	0.5	20	85	115
Toluene	20.72	0.5	20	85	115
1,4-Difluorobenzene	89.01	0	100	80	120
4-Bromochlorobenzene	89.95	0	100	80	120
Fluorobenzene	87.79	0	100	80	120

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Conoco, Inc.
Work Order: 9909036
Project: San Juan 28-7-19; 2-1538

QC SUMMARY REPORT
 Continuing Calibration Verification Standard

Sample ID: CCV3 BTEX_9906		Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:			
Client ID:		9909036	Run ID: GC-1_990914A		SeqNo: 19504						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.32	0.5	40	0	98.3%	85	115				
Ethylbenzene	39.87	0.5	40	0	99.7%	85	115				
m,p-Xylene	74.83	1	80	0	93.5%	85	115				
Methyl tert-Butyl Ether	41.42	1	40	0	103.6%	85	115				
o-Xylene	40.13	0.5	40	0	100.3%	85	115				
Toluene	39.66	0.5	40	0	99.1%	85	115				
1,4-Difluorobenzene	88.79	0	100	0	88.8%	80	120				
4-Bromochlorobenzene	89.54	0	100	0	89.5%	80	120				
Fluorobenzene	87	0	100	0	87.0%	80	120				

Sample ID: CCV4 BTEX_9906		Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99				Prep Date:		
Client ID:		9909036	Run ID: GC-1_990914A		SeqNo: 19505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39	0.5	40	0	97.5%	85	115				
Ethylbenzene	40.06	0.5	40	0	100.1%	85	115				
m,p-Xylene	74.86	1	80	0	93.6%	85	115				
Methyl tert-Butyl Ether	41.34	1	40	0	103.4%	85	115				
o-Xylene	40.41	0.5	40	0	101.0%	85	115				
Toluene	39.73	0.5	40	0	99.3%	85	115				
1,4-Difluorobenzene	88.73	0	100	0	88.7%	80	120				
4-Bromochlorobenzene	88.82	0	100	0	88.8%	80	120				
Fluorobenzene	87.03	0	100	0	87.0%	80	120				

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

On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: Conoco, Inc.
Work Order: 9909036
Project: San Juan 28-7-19; 2-1538
Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ
9909015-01A	90.7	91.8	90.2
9909023-01A	89.5	89.6	88.4
9909028-01A	87.4	87.8	87.2
9909035-17A	89.8	90.2	88.7
9909035-18A	85.5	88.4	85.2
9909035-19A	89.1	91.5	88.6
9909035-20A	89.7	89.8	89.3
9909035-21A	86.6	89.9	85.5
9909035-22A	88.9	89.6	86.9
9909035-23A	89.9	90.3	88.7
9909035-24A	87.6	90.4	85.2
9909035-24AMS	87.2	91.1	84.9
9909035-24AMSD	87.4	91	84.9
9909035-25A	87.7	88.2	88
9909036-01A	89.8	90.3	88.7
9909037-01A	90.2	90	88.7
9909038-01A	89.2	89.7	88.4
9909041-01A	89.4	90	89
9909041-03A	89.4	90.2	89
9909041-04A	71.8 *	71.8 *	71.2 *
CCV1 BTEX_99061	89	89.7	87.8
CCV2 BTEX_99061	89	90	87.8
CCV3 BTEX_99061	88.8	89.5	87
CCV4 BTEX_99061	88.7	88.8	87
LCS WATER	88.5	90	86.8
MB1	90.1	89.5	89.1

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-120
4BCBZ	= 4-Bromochlorobenzene	80-120
FLBZ	= Fluorobenzene	80-120

* Surrogate recovery outside acceptance limits



Date: _____

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

Page: _____ of _____

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



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

Page:

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

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: 2-1358; San Juan 28-7-19

Order No.: 9912013

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 12/13/1999 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 be '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: 2-1358; San Juan 28-7-19
Lab Order: 9912013

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:	San Juan 28-7-19
Work Order:	9912013	Client Sample ID:	MW-1
Lab ID:	9912013-01A	Matrix:	AQUEOUS
Project:	2-1358; San Juan 28-7-19	Collection Date:	12/13/1999 8:35:00 AM
		COC Record:	10438

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	6.2	0.5		µg/L	1	12/17/1999
Toluene	3.3	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

Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 30-Dec-99

CLIENT: On Site Technologies Limited
Work Order: 9912013
Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_991217	Test Code: SW8021B	Units: µg/L	Analysis Date 12/17/1999	Prep Date:
Client ID: 9912013	Run ID: GC-1_991217A			SeqNo: 22149	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	.2023	0.5			J
Ethylbenzene	.2647	0.5			J
m,p-Xylene	.3793	1			J
Methyl tert-Butyl Ether	.2003	1			J
o-Xylene	.1475	0.5			J
Toluene	.2826	0.5			J

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: On Site Technologies Limited
Work Order: 9912013
Project: 2-1358; San Juan 28-7-19

Date: 30-Dec-99

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912011-04AMS		Batch ID: GC-1_991217		Test Code: SW8021B		Units: µg/L		Analysis Date 12/17/1999		Prep Date:		
Client ID:		9912013		Run ID: GC-1_991217A				SeqNo: 22150				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		2856	25	2000	902.8	97.7%	80	116				
Ethylbenzene		2379	25	2000	378.2	100.1%	80	118				
m,p-Xylene		6200	50	4000	2548	91.3%	77	116				
Methyl tert-Butyl Ether		2152	50	2000	25	106.4%	62	122				
o-Xylene		2604	25	2000	589.5	100.7%	83	117				
Toluene		5240	25	2000	3637	80.2%	80	116				

Sample ID: 9912011-04AMSD		Batch ID: GC-1_991217		Test Code: SW8021B		Units: µg/L		Analysis Date 12/17/1999		Prep Date:	
Client ID: 9912013		Run ID: GC-1_991217A						SeqNo: 22151			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2824	25	2000	902.8	96.1%	80	116	2856	1.1%	7	
Ethylbenzene	2358	25	2000	378.2	99.0%	80	118	2379	0.9%	7	
m,p-Xylene	6145	50	4000	2548	89.9%	77	116	6200	0.9%	7	
Methyl tert-Butyl Ether	2153	50	2000	25	106.4%	62	122	2152	0.0%	7	
o-Xylene	2573	25	2000	589.5	99.2%	83	117	2604	1.2%	6	
Toluene	5183	25	2000	3637	77.3%	80	116	5240	1.1%	6	S

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 30-Dec-99

CLIENT: On Site Technologies Limited
Work Order: 9912013
Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER		Batch ID: GC-1_991217	Test Code: SW8021B	Units: µg/L	Analysis Date 12/17/1999		Prep Date:				
Client ID:	9912013	Run ID:	GC-1_991217A		SeqNo:	22148					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.13	0.5	40	0.2023	102.3%	87	119				
Ethylbenzene	41.36	0.5	40	0.2647	102.7%	89	117				
m,p-Xylene	79.38	1	80	0.3793	98.7%	88	114				
Methyl tert-Butyl Ether	42.08	1	40	0.2003	104.7%	69	129				
o-Xylene	41.54	0.5	40	0.1475	103.5%	90	116				
Toluene	41.38	0.5	40	0.2826	102.7%	90	115				

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: On Site Technologies Limited
Work Order: 9912013
Project: 2-1358; San Juan 28-7-19

Date: 30-Dec-99

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_9910		Batch ID: GC-1_991217	Test Code: SW8021B		Units: µg/L		Analysis Date 12/17/1999				Prep Date:	
Client ID:		9912013	Run ID:	GC-1_991217A			SeqNo:	22145				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	21.98	0.5	20	0	109.9%	85	115					
Ethylbenzene	22.56	0.5	20	0	112.8%	85	115					
m,p-Xylene	42.98	1	40	0	107.5%	85	115					
Methyl tert-Butyl Ether	22.2	1	20	0	111.0%	85	115					
o-Xylene	22.53	0.5	20	0	112.7%	85	115					
Toluene	22.32	0.5	20	0	111.6%	85	115					
1,4-Difluorobenzene	89.59	0	100	0	89.6%	80	120					
4-Bromochlorobenzene	89.23	0	100	0	89.2%	80	120					
Fluorobenzene	87.38	0	100	0	87.4%	80	120					

Sample ID: CCV2 BTEX_9910		Batch ID: GC-1_991217	Test Code: SW8021B		Units: µg/L		Analysis Date 12/17/1999			Prep Date:	
Client ID:		9912013	Run ID:	GC-1_991217A			SeqNo:	22146			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.24	0.5	20	0	101.2%	85	115				
Ethylbenzene	20.89	0.5	20	0	104.4%	85	115				
m,p-Xylene	39.68	1	40	0	99.2%	85	115				
Methyl tert-Butyl Ether	21.5	1	20	0	107.5%	85	115				
o-Xylene	21.16	0.5	20	0	105.8%	85	115				
Toluene	20.7	0.5	20	0	103.5%	85	115				
1,4-Difluorobenzene	89.13	0	100	0	89.1%	80	120				
4-Bromochlorobenzene	90.68	0	100	0	90.7%	80	120				
Fluorobenzene	87.23	0	100	0	87.2%	80	120				

Qualifiers: NID - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

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

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies Limited
Work Order: 9912013
Project: 2-1358; San Juan 28-7-19

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 BTEX_9910		Batch ID: GC-1_991217	Test Code: SW8021B		Units: µg/L		Analysis Date 12/17/1999		Prep Date:		
Client ID:		9912013	Run ID:	GC-1_991217A			SeqNo:	22147			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.86	0.5	20	0	104.3%	85	115				
Ethylbenzene	21.4	0.5	20	0	107.0%	85	115				
m,p-Xylene	40.88	1	40	0	102.2%	85	115				
Methyl tert-Butyl Ether	22.24	1	20	0	111.2%	85	115				
o-Xylene	21.99	0.5	20	0	109.9%	85	115				
Toluene	21.48	0.5	20	0	107.4%	85	115				
1,4-Difluorobenzene	88.81	0	100	0	88.8%	80	120				
4-Bromochlorobenzene	90.88	0	100	0	90.9%	80	120				
Fluorobenzene	87.2	0	100	0	87.2%	80	120				

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 30-Dec-99

CLIENT: On Site Technologies Limited
Work Order: 9912013
Project: 2-1358; San Juan 28-7-19
Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ
9912011-04A	88.1	89.7	86.5
9912011-04AMS	87.4	89.8	85.9
9912011-04AMSD	87.6	89.7	85.6
9912012-10A	91.4	91.4	92.7
9912012-13A	86.4	87.8	87
9912012-15A	89.8	88.5	87.7
9912012-17A	89.9	90	87.9
9912012-18A	89.4	89.7	88
9912013-01A	88.5	89.3	86.8
9912014-01A	89.8	89.9	87.8
9912016-01A	86.2	88.4	86.6
9912017-01A	83.2	84.3	82.4
9912018-01A	89.6	90	88.1
9912018-02A	90	90	88
9912018-03A	89.8	90.2	87.9
9912018-04A	89.9	90.1	88
9912018-05A	90.3	89.5	88
9912019-01A	89.1	89.9	87.6
9912022-01A	89.5	90.2	88
9912023-01A	90.2	90.5	87.9
CCV1 BTEX_99100	89.6	89.2	87.4
CCV2 BTEX_99100	89.1	90.7	87.2
CCV3 BTEX_99100	88.8	90.9	87.2
LCS WATER	89.1	90.5	86.7
MB1	89.8	90.2	88.1

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-120
4BCBZ	= 4-Bromochlorobenzene	80-120
FLBZ	= Fluorobenzene	80-120

* Surrogate recovery outside acceptance limits



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

Page: _____ of _____

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



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

Page: _____ of _____

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

3R - 93

REPORTS

DATE:

1998



February 7, 1999

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

RECEIVED

FEB 19 1999

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

RE: 1998 Annual Ground Water Report
Conoco Location: San Juan 28-7 -19
Unit G, Sec. 25, T28N, R7W, NMPM, San Juan Co., NM

Dear Ms. Ebert:

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 covered the prior calendar year of 1998, 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* (hereafter known as the monitoring plan), submitted to the New Mexico Oil Conservation Division on October 15, 1997.

SUMMARY OF 1998 ACTIVITIES:

Sampling events were conducted in March, June, September and December.

September 1998, NMOCD authorized Conoco to install Regenesi[®] Oxygen Release Compound (ORC) socks in the monitoring well at this location.

On December 9, 1998 two (2) ORC sock were placed in the MW#1, after ground water was sampled.

Results of the ground water sampling, site assessment, and laboratory results were previously documented in the following correspondence:

New Mexico Oil Conservation Division, January 31, 1997. Letter to Mr. Neal Goates, Senior Environmental Specialist, Conoco, Inc. Midland Division, *regarding: Ground Water Contamination Assessment San Juan Unit Wells #219, #47, #19, #126, Conoco Location, San Juan 28-7 #19, Unit G, Sec. 25, T28N, R7W, 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, San Juan 28-7-19, Unit G, Sec. 25, T28N, R7W, NMPM, San Juan Co., NM.*

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 the Environmental Protection Agency (EPA) prescribed procedures and proper chain-of-custody protocol followed. The laboratory analyses ordered, followed the Conoco Ground Water Plan.

PO Box 2606
Farmington, NM

505-325-5667

FAX: 505-327-1496

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.

Copies of all laboratory reports for the calendar year 1998, along with all laboratory QA/QC documentation and chains-of-custody, are attached with this report.

SUMMARY AND CONCLUSIONS:

The following conclusions are based on the 1998 ground water monitoring results and trends associated with a former production pit at the San Juan 28-1 #19 well location:

1. The benzene constituent remains above New Mexico Water Quality Control Commission (NMWQCC) standards and seems to fluctuate with the ground water levels.
2. ORC socks placed in the well in December of 1998, to aid the remediation of the ground water.

RECOMMENDATIONS:

Continue monitoring program, until location NMWQCC abatement standards and requirements are met.

LIMITATIONS AND CLOSURE:

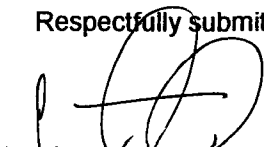
This annual groundwater report documents the results of ground water monitoring for the referenced Conoco well location during the calendar year 1998. This report follows the Comprehensive Ground Water Remediation and Long-Term Monitoring Plan for Conoco Locations in the San Juan Basin, New Mexico, dated 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 the annual report. All work has been performed in accordance with generally accepted professional practices in geotechnical, petroleum and environmental engineering, and hydrogeology.

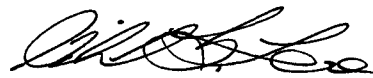
This document has been prepared by On Site Technologies for the exclusive use of Conoco Inc., as it pertains to the referenced well location operated by Conoco.

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,


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

Reviewed by:


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
Figure 1: Site Sketch
Figure 2: Ground Water Potentiometric Map (Not Applicable)
Boring Logs and Monitoring Well Diagrams (Not Available)
Laboratory Results, QA/QC, Chain of Custody

Acknowledgment:
CONOCO, Inc.

Shirley Christ SHEATH Specialist
(Name/Title)

2/17/99
(Date)

LET/let: 41358-98.doc

Table 1

Well Number	Elevation at ground surface (ft)	Total Depth of Well (ft)	Well Type	Screen Interval (BGS) *	Sample Date	Depth to Groundwater (ft) (BTOC)	Relative Groundwater Elevation (ft)
MVW#1	6214.0	86.09			03/26/97	79.01	6134.99
					06/10/97	78.90	6135.10
					10/9/97	79.03	6134.97
					12/22/97	79.01	6134.99
					3/9/98	79.13	6134.87
					6/9/98	79.19	6134.87
					9/14/98	79.19	6134.84
					12/9/98	79.23	6134.77

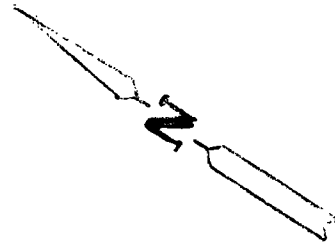
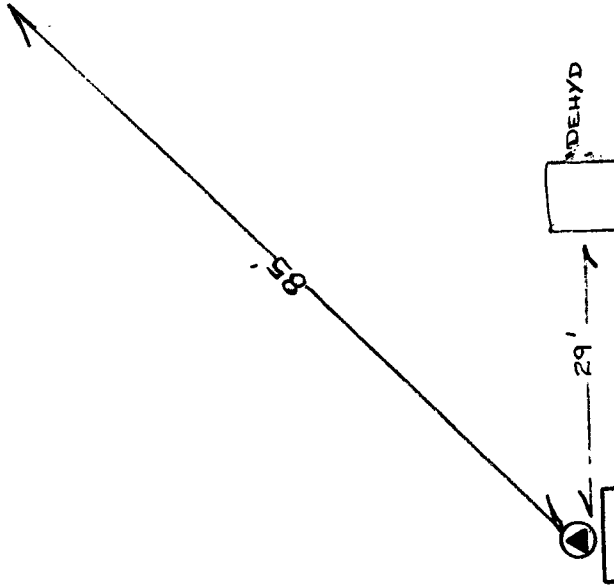
Groundwater elevation derived from ground surface elevation provided by Conoco
 BGS - approximate measurements taken as Below Ground Surface
 BTOC - Below Top of Casing
 NM - Not Measured

Table 2
 BTEX Analytical Summary
 San Juan 28-7-19
 Unit G, Sec. 25, T28N, R7W

Sample Date	Sample ID#	Monitor Well	Remarks	BTEX per EPA 8020 (ppb)			
				Benzene	Toluene	Ethylbenzene	Total Xylene
08/11/95	G01373	MW#1	IML	65.2	973.0	33.5	124.5
03/12/96	039600376	MW#1	IML	14.0	12.0	11.0	78.0
07/17/96	039601348	MW#1	IML	0.4	0.3	0.7	0.8
03/26/97	14046	MW#1	On Site Lab.	48.1	25.9	1.0	406
04/21/97	14293	MW#1	On Site Lab.	168.0	119.0	3.7	27.0
06/10/97	14895	MW#1	On Site Lab.	27.4	13.8	1.0	3.0
10/9/97	16562	MW#1	On Site Lab.	49.5	8.1	1.8	4.7
12/22/97	17207	MW#1	On Site Lab.	59.2	23.9	1.4	8.5
3/9/98	9803028-01A	MW#1	On Site Lab.	6.5	2.4	0.9	1.0
6/9/98	9806042-01A	MW#1	On Site Lab.	22.0	7.1	BDL	3.2
9/14/98	9809028-01A	MW#1	On Site Lab.	24.0	8.4	BDL	5.0
12/9/98	9812023-01A	MW-1	On Site Lab.	35.0	12.0	BDL	6.2
WQCC	ACTION	LEVELS		10.0	750.0	750.0	620.0

BDL Below Detection Levels

METER
House



SITE MAP

SAN JUAN 28-7-19

NOT TO SCALE

ALL DISTANCES APPROXIMATED

OFF: (505) 325-5667



LAB: (505) 325-1556

March 25, 1998

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

RE: 2-1358

Order No.: 9803028

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 3/9/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

BTEX (SW8020A)

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,

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

Date: 25-Mar-98

CLIENT: Conoco, Inc.
Project: 2-1358
Lab Order: 9803028

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: 25-Mar-98

Client:	Conoco, Inc.	Client Sample Info:	San Juan 28-7-19
Work Order:	9803028	Client Sample ID:	#1
Lab ID:	9803028-01A	Matrix:	AQUEOUS
Project:	2-1358	Collection Date:	3/9/98 11:19:00 AM
		COC#:	6898

Parameter	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX		SW8020A		Analyst: DC		
Benzene	6.5	0.5		µg/L	1	3/10/98
Toluene	2.4	0.5		µg/L	1	3/10/98
Ethylbenzene	0.9	0.5		µg/L	1	3/10/98
m,p-Xylene	1	1		µg/L	1	3/10/98
o-Xylene	ND	0.5		µg/L	1	3/10/98
Surr: Fluorobenzene	94.9	70-130		%REC	1	3/10/98
Surr: 1,4-Difluorobenzene	94.5	70-130		%REC	1	3/10/98
Surr: 4-Bromochlorobenzene	95.3	70-130		%REC	1	3/10/98

Qualifiers:

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level	

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 25-Mar-98

CLIENT: Conoco, Inc.

Work Order: 9803028

Project: 2-1358

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_980310	Test Code: SW8020A	Units: µg/L	Analysis Date: 3/10/98	Prep Date:
Client ID: 9803028	Run ID: GC-1_980310A			SeqNo: 113	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	.061	0.5			J
Ethylbenzene	ND	0.5			
m,p-Xylene	ND	1			
o-Xylene	ND	0.5			J
Toluene	.1124	0.5			

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: Conoco, Inc.
Work Order: 9803028
Project: 2-1358

Date: 25-Mar-98

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9803011-01AMS		Batch ID: GC-1_980310	Test Code: SW8020A	Units: µg/L	Analysis Date: 3/10/98		Prep Date:	
Client ID: 9803028		Run ID: GC-1_980310A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Analyte	Result							
Benzene	424.9		5	400	13.06	103.0%	56	128
Ethylbenzene	861.9		5	400	463.1	99.7%	78	107
m,p-Xylene	1021		10	800	234.2	98.3%	67	118
o-Xylene	644.6		5	400	239.3	101.3%	78	107
Toluene	995.9		5	400	589.3	101.7%	74	116

Sample ID: 9803011-01AMSD		Batch ID: GC-1_980310	Test Code: SW8020A	Units: µg/L	Analysis Date: 3/10/98		Prep Date:	
Client ID: 9803028		Run ID: GC-1_980310A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Analyte	Result							
Benzene	419		5	400	13.06	101.5%	56	128
Ethylbenzene	851.8		5	400	463.1	97.2%	78	107
m,p-Xylene	1007		10	800	234.2	96.6%	67	118
o-Xylene	639.6		5	400	239.3	100.1%	78	107
Toluene	985.5		5	400	589.3	99.1%	74	116

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 25-Mar-98

CLIENT: Conoco, Inc.

Work Order: 9803028

Project: 2-1358

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER	Batch ID: GC-1_980310	Test Code: SW8020A	Units: µg/L	Analysis Date: 3/10/98	Prep Date:
Client ID: 9803028	Run ID: GC-1_980310A	PQL	SPK value	SPK Ref Val	SeqNo: 112
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	41.09	0.5	40	0.061	102.6% 39 150
Ethylbenzene	41.79	0.5	40	0	104.5% 32 160
m,p-Xylene	79.54	1	80	0	99.4% 35 145
o-Xylene	40.75	0.5	40	0	101.9% 35 145
Toluene	40.67	0.5	40	0.1124	101.4% 46 148

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: Conoco, Inc.
Work Order: 9803028
Project: 2-1358

Date: 25-Mar-98

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0529/30		Batch ID: GC-1_980310		Test Code: SW8020A		Units: µg/L		Analysis Date: 3/10/98				Prep Date:	
Client ID:		9803028		Run ID: GC-1_980310A				SeqNo: 110					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	21.63	0.5	20	0	108.2%	85	115						
Ethylbenzene	22.22	0.5	20	0	111.1%	85	115						
m,p-Xylene	42.23	1	40	0	105.6%	85	115						
o-Xylene	21.68	0.5	20	0	108.4%	85	115						
Toluene	21.48	0.5	20	0	107.4%	85	115						
1,4-Difluorobenzene	94.35	0	100	0	94.3%	70	130						
4-Bromochlorobenzene	91.54	0	100	0	91.5%	70	130						
Fluorobenzene	93.42	0	100	0	93.4%	70	130						

Sample ID: CCV2 QC0529/30		Batch ID: GC-1_980310	Test Code: SW8020A	Units: µg/L	Analysis Date: 3/10/98			Prep Date:			
Client ID:		9803028	Run ID: GC-1_980310A		SeqNo: 111						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.55	0.5	20	0	102.8%	85	115				
Ethylbenzene	21.05	0.5	20	0	105.3%	85	115				
m,p-Xylene	39.89	1	40	0	99.7%	85	115				
o-Xylene	20.53	0.5	20	0	102.6%	85	115				
Toluene	20.39	0.5	20	0	102.0%	85	115				
1,4-Difluorobenzene	94.12	0	100	0	94.1%	70	130				
4-Bromochlorobenzene	92.35	0	100	0	92.3%	70	130				
fluorobenzene	93.48	0	100	0	93.5%	70	130				

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

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

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

Purchase Order No.:		Job No.		4-2-155	
Name		Larry Taylor		Title	
Company		Conoco		Company	
Address		Conoco		Mailing Address	
City, State, Zip		Conoco		City, State, Zip	
Telephone No.		28-7-17		Telefax No.	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address		Conoco		LAB ID	
City, State, Zip		Conoco		LAB ID	
Telephone No.		28-7-17		LAB ID	
Sampling Location:		San Juan		ANALYSIS REQUESTED	
Sampler:		Larry Taylor		LAB ID	
REPORT RESULTS TO		Number of Containers		LAB ID	
Name		Larry Taylor		LAB ID	
Company		Conoco		LAB ID	
Address					

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

ON SITE

TECHNOLOGIES, LTD.

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

Date:

Page

of

[illegible]

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

OFF: (505) 325-5667



LAB: (505) 325-1556

June 16, 1998

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

RE: 2-1358; Conoco

Order No.: 9806034

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 6/10/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8020A)

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 dark ink, appearing to read "David Cox", is written over the typed name.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: On Site Technologies, Limited Partnership

Project: 2-1358; Conoco

Lab Order: 9806034

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: 16-Jun-98

Client:	On Site Technologies, Limited Partnership	Client Sample Info:	San Juan 28-7-19
Work Order:	9806034	Client Sample ID:	#1
Lab ID:	9806034-01A	Matrix:	AQUEOUS
Project:	2-1358; Conoco	Collection Date:	6/9/98 8:24:00 AM
		COC Record:	5134

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8020A				Analyst: DC
Benzene	22	0.5		µg/L	1	6/14/98
Toluene	7.1	0.5		µg/L	1	6/14/98
Ethylbenzene	ND	0.5		µg/L	1	6/14/98
m,p-Xylene	2.1	1		µg/L	1	6/14/98
o-Xylene	1.1	0.5		µg/L	1	6/14/98

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9806034

Project: 2-1358; Conoco

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_980614	Test Code: SW8020A	Units: µg/L	Analysis Date: 6/14/98	Prep Date:
Client ID:	9806034	Run ID: GC-1_980614B		SeqNo: 2996	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	.0426	0.5			J
Ethylbenzene	.0628	0.5			J
m,p-Xylene	.1828	1			J
o-Xylene	.0816	0.5			J
Toluene	.1025	0.5			J

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9806034

Project: 2-1358; Conoco

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9806014-02AMS		Batch ID: GC-1_980614		Test Code: SW8020A		Units: µg/L		Analysis Date: 6/14/98		Prep Date:	
Client ID: 9806034		Run ID: GC-1_980614B		PQL		SPK value		SeqNo: 2997			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	813	10	800	4.052	101.1%	56	128				
Ethylbenzene	812.9	10	800	4.38	101.1%	78	107				
m,p-Xylene	1577	20	1600	17.67	97.5%	67	118				
o-Xylene	806.4	10	800	2.606	100.5%	78	107				
Toluene	806.6	10	800	3.922	100.3%	74	116				

Sample ID: 9806014-02AMSD		Batch ID: GC-1_980614		Test Code: SW8020A		Units: µg/L		Analysis Date: 6/14/98		Prep Date:	
Client ID: 9806034		Run ID: GC-1_980614B		PQL		SPK value		SeqNo: 2998			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	788.5	10	800	4.052	98.1%	56	128	813	3.1%	12	
Ethylbenzene	811.3	10	800	4.38	100.9%	78	107	812.9	0.2%	11	
m,p-Xylene	1559	20	1600	17.67	96.3%	67	118	1577	1.2%	10	
o-Xylene	791.3	10	800	2.606	98.6%	78	107	806.4	1.9%	14	
Toluene	783.7	10	800	3.922	97.5%	74	116	806.6	2.9%	14	

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9806034
Project: 2-1358; Conoco

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: LCS	Batch ID: GC-1_980614	Test Code: SW8020A	Units: µg/L	Analysis Date: 6/14/98	Prep Date:
Client ID: 9806034	Run ID: GC-1_980614B			SeqNo: 2995	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	40.87	0.5	40	0.0426	102.1% 56 128
Ethylbenzene	40.4	0.5	40	0.0628	100.8% 78 107
m,p-Xylene	78.11	1	80	0.1828	97.4% 67 118
o-Xylene	40.26	0.5	40	0.0816	100.5% 78 107
Toluene	40.14	0.5	40	0.1025	100.1% 74 116

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9806034

Project: 2-1358; Conoco

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0529/30		Batch ID: GC-1_980614		Test Code: SW8020A		Units: µg/L		Analysis Date: 6/14/98		Prep Date:	
Client ID:		9806034		Run ID: GC-1_980614B				SeqNo: 2992			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.32	0.5	20	0	106.6%	85	115				
Ethylbenzene	21.51	0.5	20	0	107.6%	85	115				
m,p-Xylene	41.34	1	40	0	103.3%	85	115				
o-Xylene	21.34	0.5	20	0	106.7%	85	115				
Toluene	21.1	0.5	20	0	105.5%	85	115				
1,4-Difluorobenzene	92.58	0	100	0	92.6%	70	130				
4-Bromochlorobenzene	80.52	0	100	0	80.5%	70	130				
Fluorobenzene	93.34	0	100	0	93.3%	70	130				

Sample ID: CCV2 QC0529/30		Batch ID: GC-1_980614		Test Code: SW8020A		Units: µg/L		Analysis Date: 6/14/98		Prep Date:	
Client ID:		9806034		Run ID: GC-1_980614B				SeqNo: 2993			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.83	0.5	20	0	104.1%	85	115				
Ethylbenzene	22.1	0.5	20	0	110.5%	85	115				
m,p-Xylene	43.85	1	40	0	109.6%	85	115				
o-Xylene	21.84	0.5	20	0	109.2%	85	115				
Toluene	21.56	0.5	20	0	107.8%	85	115				
1,4-Difluorobenzene	92.73	0	100	0	92.7%	70	130				
4-Bromochlorobenzene	79.29	0	100	0	79.3%	70	130				
Fluorobenzene	92.28	0	100	0	92.3%	70	130				

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9806034

Project: 2-1358; Conoco

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 QC0529/30	Batch ID: GC-1_980614	Test Code: SW8020A	Units: µg/L	Analysis Date: 6/14/98	Prep Date:						
Client ID: 9806034	Run ID: GC-1_980614B			SeqNo: 2994							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.1	0.5	40	0	105.3%	85	115				
Ethylbenzene	42.85	0.5	40	0	107.1%	85	115				
m,p-Xylene	81.5	1	80	0	101.9%	85	115				
o-Xylene	41.48	0.5	40	0	103.7%	85	115				
Toluene	41.48	0.5	40	0	103.7%	85	115				
1,4-Difluorobenzene	92.78	0	100	0	92.8%	70	130				
4-Bromochlorobenzene	80.77	0	100	0	80.8%	70	130				
Fluorobenzene	92.47	0	100	0	92.5%	70	130				

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9806034

Project: 2-1358; Conoco

Test No: SW8020A

QC SUMMARY REPORT SURROGATE RECOVERIES

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ
9806014-01A	92.3	79.7	93.4
9806014-02AMS	92.4	75.1	92.7
9806014-02AMSD	92.8	80.4	92.5
9806019-01A	93.8	78.8	93.3
9806019-02A	93	77.9	93.3
9806030-02A	93.6	79.3	93
9806030-03A	93.8	85.6	93.1
9806031-01A	90.9	85.3	91.5
9806031-02A	90.1	85.3	90.6
9806032-01A	93.1	86.7	93.6
9806033-01A	93.4	84.7	93.2
9806034-01A	90.7	83.9	91.5
CCV1 QC0529/30	92.6	80.5	93.3
CCV2 QC0529/30	92.7	79.3	92.3
CCV3 QC0529/30	92.8	80.8	92.5
LCS	92.4	79.8	92.9
MB1	93	80.9	93.4

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits

7519

ON SITE

TECHNOLOGIES, LTD.

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

Page 1 of 1

[illegible]

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

TECHNOLOGIES, LTD.

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

[illegible]

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

OFF: (505) 325-5667



LAB: (505) 325-1556

September 25, 1998

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

RE: 2-1358; Conoco

Order No.: 9809028

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 9/14/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8020A)

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", is written over a horizontal line.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 25-Sep-98

CLIENT: On Site Technologies, Limited Partnership

Project: 2-1358; Conoco

Lab Order: 9809028

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: 25-Sep-98

Client:	On Site Technologies, Limited Partnership	Client Sample Info:	San Juan 28-7-19
Work Order:	9809028	Client Sample ID:	Sample #1
Lab ID:	9809028-01A	Matrix:	AQUEOUS
Project:	2-1358; Conoco	Collection Date:	9/14/98 8:50:00 AM
		COC Record:	5551

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8020A				Analyst: DC
Benzene	24	1		µg/L	1	9/21/98
Toluene	8.4	1		µg/L	1	9/21/98
Ethylbenzene	ND	1		µg/L	1	9/21/98
m,p-Xylene	3.3	2		µg/L	1	9/21/98
o-Xylene	1.7	1		µg/L	1	9/21/98

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

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 25-Sep-98

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9809028
Project: 2-1358; Conoco

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_980921	Test Code: SW8020A	Units: µg/L	Analysis Date 9/21/98	Prep Date:
Client ID:	9809028	Run ID: GC-1_980921A		SeqNo: 6730	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	.0421	1			J
Ethylbenzene	.0623	1			J
m,p-Xylene	.1705	2			J
o-Xylene	.1247	1			J
Toluene	.1509	1			J

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 25-Sep-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9809028

Project: 2-1358; Conoco

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9809031-02AMS		Batch ID: GC-1_980921		Test Code: SW8020A		Units: µg/L		Analysis Date 9/21/98		Prep Date:	
Client ID: 9809028		Run ID: GC-1_980921A		SeqNo: 6731							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	191.1	5	200	0.4255	95.3%	56	128				
Ethylbenzene	211.5	5	200	0.4985	105.5%	78	107				
m,p-Xylene	414.5	10	400	2.556	103.0%	67	118				
o-Xylene	201.8	5	200	0.3315	100.8%	78	107				
Toluene	204.9	5	200	1.194	101.8%	74	116				

Sample ID: 9809031-02AMSD		Batch ID: GC-1_980921		Test Code: SW8020A		Units: µg/L		Analysis Date 9/21/98		Prep Date:	
Client ID: 9809028		Run ID: GC-1_980921A		SeqNo: 6732							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	184.1	5	200	0.4255	91.8%	56	128	191.1	3.7%	12	
Ethylbenzene	206.4	5	200	0.4985	103.0%	78	107	211.5	2.4%	11	
m,p-Xylene	404.8	10	400	2.556	100.6%	67	118	414.5	2.4%	10	
o-Xylene	196.7	5	200	0.3315	98.2%	78	107	201.8	2.6%	14	
Toluene	199.3	5	200	1.194	99.1%	74	116	204.9	2.7%	14	

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 25-Sep-98

CLIENT: On Site Technologies, Limited Partnership
 Work Order: 9809028
 Project: 2-1358; Conoco

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER Batch ID: GC-1_980921 Test Code: SW8020A Units: µg/L Analysis Date 9/21/98

Client ID: 9809028 Run ID: GC-1_980921A SeqNo: 6729

Prep Date:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.51	1	40	0.0421	98.7%	56	128				
Ethylbenzene	43.12	1	40	0.0623	107.6%	78	107				
m,p-Xylene	85.18	2	80	0.1705	106.3%	67	118				
o-Xylene	42.33	1	40	0.1247	105.5%	78	107				
Toluene	41.78	1	40	0.1509	104.1%	74	116				

SV 9/25/98
 WH 9/28/98

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9809028
Project: 2-1358; Conoco

Date: 25-Sep-98

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0606/07		Batch ID: GC-1_980921	Test Code: SW8020A	Units: µg/L	Analysis Date 9/21/98		Prep Date:
Client ID: 9809028		Run ID: GC-1_980921A	PQL	SPK value	SPK Ref Val	SeqNo: 6726	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Benzene	20.22	1	20	0	101.1%	85	115
Ethylbenzene	22.23	1	20	0	111.2%	85	115
m,p-Xylene	43.6	2	40	0	109.0%	85	115
o-Xylene	21.64	1	20	0	108.2%	85	115
Toluene	21.52	1	20	0	107.6%	85	115
1,4-Difluorobenzene	88.91	0	100	0	88.9%	70	130
4-Bromochlorobenzene	79.55	0	100	0	79.5%	70	130
Fluorobenzene	85.36	0	100	0	85.4%	70	130

Sample ID: CCV2 QC0606/07		Batch ID: GC-1_980921	Test Code: SW8020A	Units: µg/L	Analysis Date 9/21/98		Prep Date:
Client ID: 9809028		Run ID: GC-1_980921A	PQL	SPK value	SPK Ref Val	SeqNo: 6727	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Benzene	19.84	1	20	0	99.2%	85	115
Ethylbenzene	21.74	1	20	0	108.7%	85	115
m,p-Xylene	42.67	2	40	0	106.7%	85	115
o-Xylene	20.81	1	20	0	104.1%	85	115
Toluene	20.98	1	20	0	104.9%	85	115
1,4-Difluorobenzene	88.7	0	100	0	88.7%	70	130
4-Bromochlorobenzene	69.55	0	100	0	69.6%	70	130
Fluorobenzene	85.39	0	100	0	85.4%	70	130

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

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

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9809028

Project: 2-1358, Conoco

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 QC0606/07		Batch ID: GC-1_980921		Test Code: SW8020A		Units: µg/L		Analysis Date 9/21/98		Prep Date:	
Client ID:		9809028		Run ID: GC-1_980921A				SeqNo: 6728			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	37.58	1	40	0	93.9%	85	115				
Ethylbenzene	41.94	1	40	0	104.8%	85	115				
m,p-Xylene	82.28	2	80	0	102.9%	85	115				
o-Xylene	40.08	1	40	0	100.2%	85	115				
Toluene	40.64	1	40	0	101.6%	85	115				
1,4-Difluorobenzene	87.81	0	100	0	87.8%	70	130				
4-Bromochlorobenzene	63.38	0	100	0	63.4%	70	130				S
Fluorobenzene	84.05	0	100	0	84.0%	70	130				

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 25-Sep-98

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9809028
Project: 2-1358; Conoco
Test No: SW8020A

QC SUMMARY REPORT SURROGATE RECOVERIES

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ
9809027-01A	88.5	71	85
9809027-02A	86	58.3 *	82.6
9809027-03A	87.8	58.5 *	84.3
9809027-05A	87.2	67.7 *	84.1
9809028-01A	79	39.9 *	75.7
9809029-01A	86.3	58 *	83.2
9809030-01A	88.8	64 *	84.6
9809031-01A	86.8	55.5 *	80
9809031-02A	89.3	70.7	85.1
9809031-02AMS	88.3	66.9 *	84.2
9809031-02AMSD	87.7	63.8 *	83.8
9809031-03A	82.7	40.8 *	78
9809033-01A	83.4	44.6 *	79.4
9809034-01A	89.9	71	85.8
9809034-02A	83.8	61.4 *	82.2
9809034-03A	89.3	76	85.4
9809034-04A	89.3	69.8 *	85.3
9809034-05A	87.6	55.7 *	83.1
9809035-01A	78.8	36.9 *	74.3
9809035-02A	87.3	53.2 *	82.7
CCV1 QC0606/07	88.9	79.5	85.4
CCV2 QC0606/07	88.7	69.6 *	85.4
CCV3 QC0606/07	87.8	63.4 *	84
LCS WATER	89.3	81.8	85.5
MB1	88.3	74.6	84.8

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits

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

[illegible]

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

ON SITE

TECHNOLOGIES, LTD.

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

[illegible]

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

OFF: (505) 325-5667



LAB: (505) 325-1556

December 15, 1998

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

RE: 2-1358; Conoco

Order No.: 9812023

Dear Larry Trujillo,

On Site Technologies, LTD. received 1 sample on 12/10/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
BTEX (SW8020A)

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 be 'David Cox'.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: On Site Technologies, Limited Partnership

Project: 2-1358; Conoco

Lab Order: 9812023

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: 15-Dec-98

Client:	On Site Technologies, Limited Partnership	Client Sample Info:	San Juan 28-7-19
Work Order:	9812023	Client Sample ID:	Sample #1
Lab ID:	9812023-01A	Matrix:	AQUEOUS
Project:	2-1358; Conoco	Collection Date:	12/9/98 10:54:00 AM
		COC Record:	5622

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX		SW8020A				Analyst: HR
Benzene	35	1		µg/L	1	12/10/98
Toluene	12	1		µg/L	1	12/10/98
Ethylbenzene	ND	1		µg/L	1	12/10/98
m,p-Xylene	3.9	2		µg/L	1	12/10/98
o-Xylene	2.3	1		µg/L	1	12/10/98

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

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9812023

Project: 2-1358; Conoco

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L	Analysis Date 12/10/98		Prep Date:					
Client ID:	9812023	Run ID: GC-1_981210A		SeqNo: 9432							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	.0828	1									J
Ethylbenzene	.1496	1									J
m,p-Xylene	.2857	2									J
o-Xylene	.1375	1									J
Toluene	.1456	1									J

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9812023
Project: 2-1358; Conoco

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9812007-01AMS	Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L	Analysis Date 12/10/98		Prep Date:					
Client ID:	9812023	Run ID: GC-1_981210A		SeqNo: 9437							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	177.9	5	200	0	89.0%	56	128				
Ethylbenzene	524.3	5	200	343.4	90.4%	78	107				
m,p-Xylene	880	10	400	522.1	89.5%	67	118				
o-Xylene	258.5	5	200	75.14	91.7%	78	107				
Toluene	218.9	5	200	0	109.5%	74	116				

Sample ID: 9812007-01AMS		Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L	Analysis Date 12/10/98				Prep Date:		
Client ID:		9812023	Run ID: GC-1_981210A		SeqNo: 9439						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	177.8	5	200	0	88.9%	56	128	177.9	0.1%	12	
Ethylbenzene	523.6	5	200	343.4	90.1%	78	107	524.3	0.1%	11	
m,p-Xylene	880.5	10	400	522.1	89.6%	67	118	880	0.1%	10	
o-Xylene	255.6	5	200	75.14	90.2%	78	107	258.5	1.1%	14	
Toluene	219.3	5	200	0	109.7%	74	116	218.9	0.2%	14	

Sample ID: 9812021-02AMS		Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L	Analysis Date 12/10/98		Prep Date:				
Client ID:		9812023	Run ID: GC-1_981210A		SeqNo: 9438						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1963	50	2000	110.6	92.6%	56	128				
Ethylbenzene	2410	50	2000	573.1	91.8%	78	107				
m,p-Xylene	7339	100	4000	3782	88.9%	67	118				
o-Xylene	2537	50	2000	675.1	93.1%	78	107				
Toluene	2267	50	2000	374.8	94.6%	74	116				

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

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

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9812023
Project: 2-1358; Conoco

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Sample ID: 9812021-02AMSD		Batch ID: GC-1_981210		Test Code: SW8020A		Units: µg/L		Analysis Date 12/10/98		Prep Date:	
Client ID:		9812023		Run ID: GC-1_981210A				SeqNo: 9440			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1984	50	2000	110.6	93.7%	56	128	1963	1.1%	12	
Ethylbenzene	2434	50	2000	573.1	93.1%	78	107	2410	1.0%	11	
m,p-Xylene	7417	100	4000	3782	90.9%	67	118	7339	1.1%	10	
o-Xylene	2574	50	2000	675.1	95.0%	78	107	2537	1.5%	14	
Toluene	2292	50	2000	374.8	95.9%	74	116	2267	1.1%	14	

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9812023
Project: 2-1358; Conoco

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: LCS WATER		Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L	Analysis Date 12/10/98		Prep Date:				
Client ID:		9812023	Run ID: GC-1_981210A		SeqNo: 9436						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	37.64	1	40	0.0828	93.9%	56	128				
Ethylbenzene	37.95	1	40	0.1496	94.5%	78	107				
m,p-Xylene	74.54	2	80	0.2857	92.8%	67	118				
o-Xylene	38.56	1	40	0.1375	96.0%	78	107				
Toluene	37.79	1	40	0.1456	94.1%	74	116				

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9812023

Project: 2-1358; Conoco

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 QC0606/07		Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L		Analysis Date 12/10/98		Prep Date:	
Client ID: 9812023		Run ID: GC-1_981210A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	SeqNo: 9433
Analyte	Result								
Benzene	19.57		1	20	0	97.9%	85	115	
Ethylbenzene	19.86		1	20	0	99.3%	85	115	
m,p-Xylene	38.68		2	40	0	96.7%	85	115	
o-Xylene	20.19		1	20	0	100.9%	85	115	
Toluene	19.7		1	20	0	98.5%	85	115	
1,4-Difluorobenzene	90.06		0	100	0	90.1%	70	130	
4-Bromochlorobenzene	96.84		0	100	0	96.8%	70	130	
Fluorobenzene	88.7		0	100	0	88.7%	70	130	

Sample ID: CCV2 QC0606/07		Batch ID: GC-1_981210	Test Code: SW8020A	Units: µg/L		Analysis Date 12/10/98		Prep Date:	
Client ID: 9812023		Run ID: GC-1_981210A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	SeqNo: 9434
Analyte	Result								
Benzene	19.58		1	20	0	97.9%	85	115	
Ethylbenzene	19.78		1	20	0	98.9%	85	115	
m,p-Xylene	38.52		2	40	0	96.3%	85	115	
o-Xylene	20.04		1	20	0	100.2%	85	115	
Toluene	19.63		1	20	0	98.2%	85	115	
1,4-Difluorobenzene	90.13		0	100	0	90.1%	70	130	
4-Bromochlorobenzene	95.97		0	100	0	96.0%	70	130	
Fluorobenzene	89.03		0	100	0	89.0%	70	130	

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9812023

Project: 2-1358; Conoco

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 QC0606/07		Batch ID: GC-1_981210		Test Code: SW8020A		Units: µg/L		Analysis Date 12/10/98		Prep Date:	
Client ID:		9812023		Run ID:		GC-1_981210A		SeqNo: 9435			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.69	1	40	0	96.7%	85	115				
Ethylbenzene	39.06	1	40	0	97.6%	85	115				
m,p-Xylene	76.76	2	80	0	95.9%	85	115				
o-Xylene	39.63	1	40	0	99.1%	85	115				
Toluene	39.05	1	40	0	97.6%	85	115				
1,4-Difluorobenzene	90.34	0	100	0	90.3%	70	130				
4-Bromochlorobenzene	97.62	0	100	0	97.6%	70	130				
Fluorobenzene	89.28	0	100	0	89.3%	70	130				

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: On Site Technologies, Limited Partnership

Work Order: 9812023

Project: 2-1358; Conoco

Test No: SW8020A

QC SUMMARY REPORT SURROGATE RECOVERIES

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ
9812007-01A	87.6	92.4	90.6
9812007-01AMS	83.9	92.9	84.5
9812007-01AMSD	83.9	93.2	84.8
9812008-01A	89.7	96.8	88.6
9812008-02A	90.9	97	90.1
9812008-03A	89.2	95.3	88.2
9812009-01A	88	97	88
9812009-02A	93.9	89.8	87.4
9812020-01A	90.2	97.4	89.2
9812020-02A	90.2	95.7	185 *
9812021-02AMS	89.8	96.7	89.2
9812021-02AMSD	90.2	96.6	89.1
9812021-03A	93.4	98	93.3
9812021-04A	89.2	97.2	88.7
9812021-05A	89.9	96.2	89
9812022-01A	89.4	95.6	88
9812023-01A	89.2	97	88.6
CCV1 QC0606/07	90.1	96.8	88.7
CCV2 QC0606/07	90.1	96	89
CCV3 QC0606/07	90.3	97.6	89.3
LCS WATER	89.7	96.8	88.7
MB1	90.4	95.9	89.1

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits

TECHNOLOGIES, LTD.

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

[illegible]

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

2022

ON SITE

TECHNOLOGIES, LTD.

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

Date: 12/10/94

Page

of

[illegible]

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