

**3R - 097**

**QUARTERLY  
REPORTS**

**8/09/2007**



TETRA TECH, INC.

6121 Indian School Rd. NE Suite 200  
Albuquerque, NM 87110  
(505) 237-8440

August 9, 2007

Mr. Glen Von Gonten  
State of New Mexico Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

**RE: (1) ConocoPhillips Nell Hall #1 2007 Semi-Annual Report  
Flora Vista, New Mexico  
(2) ConocoPhillips Shephard & Kelsey #1 2007 Quarterly Report for Site Closure  
Bloomfield, New Mexico**

32090

32097 ✓

Dear Mr. Von Gonten:


Enclosed please find a copy of the above-referenced documents as compiled by Tetra Tech, Inc., for these Farmington area sites.

Tetra Tech previously requested returning to annual sampling for the Nell Hall #1 site in the April 2007 report based on an elevated concentration of benzene in one monitoring well during the February 2007 sampling event. The current semi-annual sampling schedule requires ConocoPhillips to sample again on August 22, 2007. On behalf of ConocoPhillips, Tetra Tech is requesting approval of the annual monitoring schedule prior to that date.

We are also requesting closure for the Shephard & Kelsey #1 site. The May 14, 2007 sampling event represents the fourth consecutive quarter of results indicating concentrations of BTEX in monitor well SB-12 below NMWQCC standards. The gas production well and all associated equipment and installations have been removed from the site. The landowners are awaiting closure so that they may use the land for agricultural purposes. The current quarterly monitoring schedule requires ConocoPhillips to sample again on August 20, 2007. On behalf of ConocoPhillips, Tetra Tech is requesting approval of the closure of this site prior to that date.

Please do not hesitate to contact me at (505) 237-8440 if you have any questions or require additional information.

Sincerely,

  
Kelly E. Henderson  
Project Manager/Geologist

Enclosures (2)

**QUARTERLY GROUNDWATER  
MONITORING REPORT**

**CONOCOPHILLIPS  
SHEPHARD & KELSEY #1  
BLOOMFIELD, NEW MEXICO**

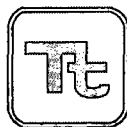
OCD # 3R0097

**Prepared for:**



600 North Dairy Ashford  
Houston, TX 77079

**Prepared by:**



**TETRA TECH, INC.**

6121 Indian School Rd NE, Suite 200  
Albuquerque, NM 87110  
Tetra Tech Project No. 7690028.100

July 18, 2007

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# QUARTERLY GROUNDWATER MONITORING REPORT

## CONOCOPHILLIPS SHEPHARD & KELSEY #1, BLOOMFIELD, NEW MEXICO

### 1.0 INTRODUCTION

This report presents the results of quarterly groundwater monitoring completed by Tetra Tech, Inc. (Tetra Tech) on May 14, 2007, at the ConocoPhillips Shephard & Kelsey #1 Site in Bloomfield, New Mexico.

The site is located on the southwest side of Bloomfield, New Mexico, south of Highway 64 and the San Juan River. The site consists of an abandoned gas production well. All associated equipment and installations at the site have been removed. The location and general layout of the Shephard & Kelsey #1 site are shown on Figures 1 and 2, respectively.

In response to landowner concerns following a hydrocarbon release, On Site Technologies (Onsite) conducted a site investigation in the area of a former unlined earthen pit and existing production tank used to store separator waste water. On September 30, 1996, Onsite advanced two test holes with a hand auger to the shallow groundwater table located approximately 3.5 to 4 feet below ground surface (bgs). One test hole was advanced adjacent to the production tank and one at a presumed downgradient location. Samples collected from both test holes were below laboratory detection limits for benzene, toluene, ethylbenzene, xylenes (BTEX), and total petroleum hydrocarbons (TPH). Onsite returned to the site on November 11, 1996, and advanced two additional test holes immediately adjacent to the tank and discovered impacts in both the soil and groundwater on the northeast side of the tank. On February 13, 1997, soils were excavated from the former pit area until delineation of contamination was achieved (to a practical extent due to site equipment placement); confirmatory samples were then collected.

Monitoring wells (MW-NE, DG 1, SB-12, UG 1, UG 2, and DG-MW) were subsequently installed at the site. With the exception of monitor well SB-12, until this quarter, all monitoring wells have reached compliance with concentrations below the New Mexico Water Quality Control Commission (NMWQCC) standards and are no longer sampled. The May 2007 sample collected from SB-12 represents the fourth consecutive quarter of results below the NMWQCC standards for the well.

Results from recent sampling events for monitor well SB-12 are summarized below.

#### **May 2006 sampling event**

Benzene was detected at a concentration of 12 micrograms per liter ( $\mu\text{g/L}$ ), which is slightly above the NMWQCC standard of 10  $\mu\text{g/L}$ . Ethylbenzene and xylenes were detected at concentrations of 1  $\mu\text{g/L}$  and 3  $\mu\text{g/L}$ , respectively.

#### **August and November 2006 sampling events**

No BTEX constituents were detected. All concentrations were lower than laboratory detection limits.

### **February 2007 sampling event**

Ethylbenzene and xylenes were detected at concentrations of 3 µg/L and 1 µg/L, respectively. Benzene and toluene were not detected.

## **2.0 METHODOLOGY AND RESULTS**

The following subsections describe the groundwater monitoring methodology and sampling analytical results.

### **2.1 Groundwater Monitoring Methodology**

#### Groundwater Elevation Measurements

On May 14, 2007, groundwater elevation measurements were recorded in monitor wells DG-1, SB-12, UG-1, and UG-2. Monitor well DG-MW could not be located. A groundwater elevation measurement could not be taken from monitor well MW-NE due to damage to the casing. Table 1 presents the monitor well specifications and groundwater level data. A groundwater elevation contour map could not be created for this sampling event because the monitoring well casings were modified at the landowner's request, changing the previously known top of casing measurements. Historically, groundwater at the site has consistently flowed northwest.

#### Groundwater sampling

Approximately 2 gallons of water, or three well volumes, were purged from monitor well SB-12 before sampling. A 1.5-inch dedicated, clear, poly-vinyl, disposable bailer was used to collect the groundwater sample. The groundwater sample was contained in laboratory prepared bottles, packed on ice, and shipped with chain of custody documentation to Lancaster Laboratories located in Lancaster, Pennsylvania. The sample was analyzed for the presence of BTEX using Environmental Protection Agency (EPA) Method 8260B.

### **2.2 Groundwater Sampling Analytical Results**

The May 2007 analysis of groundwater collected from monitor well SB-12 shows concentrations of benzene, toluene, and xylene were below laboratory detection limits. Ethylbenzene was detected at a concentration of 2 µg/L, which is below the NMWQCC standard of 750 µg/L. Table 2 presents the historical laboratory analytical results for the well. The field groundwater sampling form is presented in Appendix A. The laboratory analytical report is included as Appendix B.

## **3.0 CONCLUSIONS**

The May 14, 2007 sampling event represents the fourth consecutive quarter of results indicating concentrations of BTEX in monitor well SB-12 below NMWQCC standards. Based on the work performed at this site, Tetra Tech recommends no further action is required. Upon your review and approval of this report, Tetra Tech, on behalf of ConocoPhillips, requests closure for the Shephard and Kelsey #1 site. All monitoring wells at the site will be plugged and abandoned following receipt of your approval. If you have any questions or require additional information please contact Kelly Henderson at Tetra Tech at 505-237-8440 or [kelly.henderson@tetratech.com](mailto:kelly.henderson@tetratech.com).

## FIGURES

1. Site Location Map
2. Site Layout Map





Horn Canyon, New Mexico USGS, 1965

0  $\frac{1}{2}$  1 mile

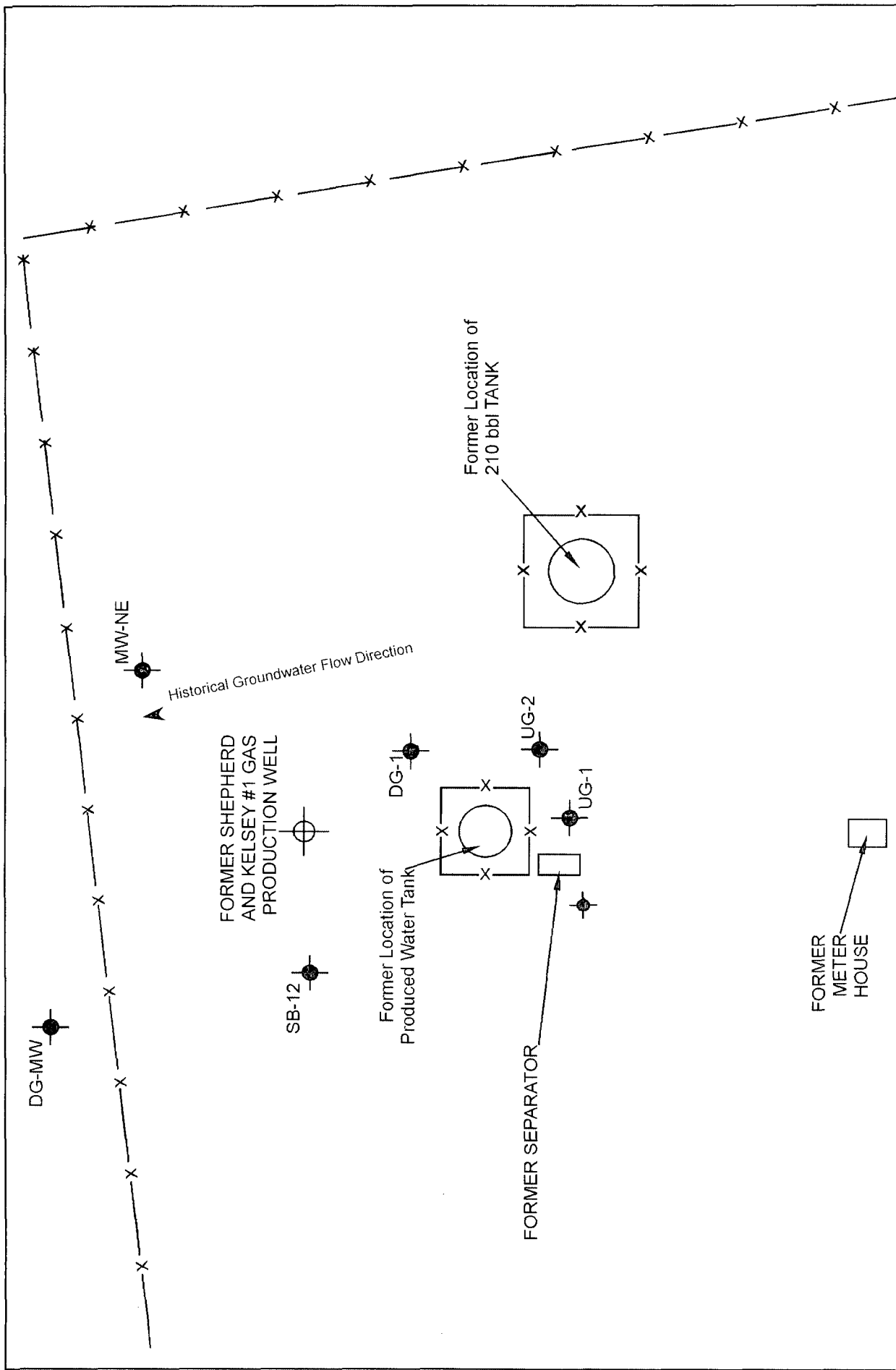
★ = Approximate Site Location



TETRA TECH, INC.

**FIGURE 1.**  
SITE LOCATION MAP  
CONOCOPHILLIPS  
SHEPARD & KELSEY #1  
Bloomfield, New Mexico





## **TABLES**

- I. Well Specifications and Groundwater Elevations
2. Groundwater Laboratory Analytical Data Summary

**Table 1. ConocoPhillips Shephard & Kelsey #1 Monitoring Well Specifications and Groundwater Elevation Table**

Well ID	Total Depth (ft. bgs)	Screen Interval (ft)	Elevation <sup>(1)</sup> (ft.) (TOC)	Date Measured	Groundwater Level (ft TOC)	Relative Groundwater Elevation (ft TOC)
MW-NE	5.42	4	100	5/10/2005	5.250	94.75
				11/21/2005	5.920	94.08
				2/17/2006	6.100	93.9
				5/16/2006	6.400	93.6
				8/1/2006	7.24 <sup>(3)</sup>	92.76
				11/16/2006	6.51 <sup>(4)</sup>	unknown
				2/21/2007	6.04 <sup>(4)</sup>	unknown
				5/14/2007	unknown	unknown
DG-1	9.05	4	100.89	5/10/2005	5.550	95.34
				11/21/2005	5.950	94.94
				2/17/2006	5.840	95.05
				5/16/2006	5.900	94.99
				8/1/2006	6.730	94.16
				11/16/2006	5.45 <sup>(4)</sup>	unknown
				2/21/2007	5 <sup>(4)</sup>	unknown
				5/14/2007	4.89 <sup>(4)</sup>	unknown
SB-12	11.31	4	99.01	5/10/2005	5.030	93.98
				11/21/2005	6.010	93
				2/17/2006	5.760	93.25
				5/16/2006	5.730	93.28
				8/1/2006	7.080	91.93
				11/16/2006	5.78 <sup>(4)</sup>	unknown
				2/21/2007	6.4 <sup>(4)</sup>	unknown
				5/14/2007	5.32 <sup>(4)</sup>	unknown
UG-1	9.83	4	101.71	5/10/2005	4.02 <sup>(2)</sup>	unknown
				11/21/2005	5 <sup>(2)</sup>	unknown
				2/17/2006	4.82 <sup>(2)</sup>	unknown
				5/16/2006	5.15 <sup>(2)</sup>	unknown
				8/1/2006	6.32 <sup>(3)</sup>	unknown
				11/16/2006	5.35 <sup>(4)</sup>	unknown
				2/21/2007	4.81 <sup>(4)</sup>	unknown
				5/14/2007	4.84 <sup>(4)</sup>	unknown
UG-2	9.84	4	101.23	5/10/2005	5.790	95.44
				11/21/2005	5.420	95.81
				2/17/2006	5.330	95.9
				5/16/2006	5.130	96.1
				8/1/2006	6.410	94.82
				11/16/2006	5.18 <sup>(4)</sup>	unknown
				2/21/2007	4.71 <sup>(4)</sup>	unknown
				5/14/2007	4.62 <sup>(4)</sup>	unknown
DG-MW	5.42	4	unknown	could not locate		unknown

ft = Feet

TOC = Top of casing

bgs = below ground surface

<sup>(1)</sup> Elevation relative to MW-NE TOC

<sup>(2)</sup> Groundwater depth anomolous due to broken casing

<sup>(3)</sup> Casing has been repaired and extended

<sup>(4)</sup> Casing has been repaired and cut down

**Table 2. ConocoPhillips Shephard & Kelsey #1 Groundwater Analytical Results Summary**

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
SB-12	6/14/2001	42	5.5	72	370
	9/19/2001	111	BDL	120	810
	12/13/2001	28	BDL	63	322.9
	3/12/2002	64	BDL	56	211.4
	6/19/2002	130	BDL	76	380
	9/17/2002	40	BDL	51	245.1
	3/20/2003	53	10	41	213
	6/11/2003	370	BDL	19	53.8
	10/6/2003	6.1	BDL	30	182
	1/30/2004	12	BDL	16	74.2
	4/26/2004	45	BDL	21	100
	5/10/2005	24	<0.7	18	140
	11/21/2005	<0.5	<0.7	14	68
	2/17/2006	7	<0.7	4	12
	5/16/2006	12	<0.7	1	3
	8/1/2006	<0.5	<0.7	<0.8	<0.8
	11/16/2006	<0.5	<0.7	<0.8	<0.8
	2/21/2007	<0.5	<0.7	3	1
	5/14/2007	<0.5	<0.7	2	<0.8
NMWQCC Standards		10 (µg/L)	750 (µg/L)	750 (µg/L)	620 (µg/L)

NMWQCC = New Mexico Water Quality Control Commission

µg/L = micrograms per liter (parts per billion)

BDL = Below laboratory detection limits; detection limit not specified

<x = Below laboratory detection limits

## **APPENDIX A**

### Field Groundwater Sampling Form



## WATER SAMPLING FIELD FORM

Project Name Shephard & Kelsey #1Page 1 of 1Project No. 1157690028Site Location Bloomfield, NMSite/Well No. SB-12Coded/  
Replicate No. \_\_\_\_\_Date 5/14/2007Weather Cloudy, 80°Time Sampling  
Began 11:30 AMTime Sampling  
Completed 12:20 PM

## EVACUATION DATA

Description of Measuring Point (MP) Top of Casing

Height of MP Above/Below Land Surface \_\_\_\_\_

MP Elevation \_\_\_\_\_

Total Sounded Depth of Well Below MP 11.31 bgs

Water-Level Elevation \_\_\_\_\_

Held \_\_\_\_\_ Depth to Water Below MP 5.32Diameter of Casing 2 inches

Wet \_\_\_\_\_ Water Column in Well \_\_\_\_\_

Gallons Pumped/Bailed  
Prior to Sampling \_\_\_\_\_Gallons per Foot 0.16

Gallons in Well \_\_\_\_\_

Sampling Pump Intake Setting  
(feet below land surface) \_\_\_\_\_

Purging Equipment \_\_\_\_\_

## SAMPLING DATA/FIELD PARAMETERS

Time	Temperature	pH	Conductivity	ORP	TDS (g/L)	DO
12:03	13.52	7.43	2.277	-265.1	1.427	47.8
12:06	12.12	7.36	2.275	-266.3	1.479	22.6
12:09	11.98	7.4	2.412	-252	1.569	21.5

Sampling Equipment BailerConstituents SampledContainer DescriptionPreservativeBTEX 3 VOAs HCl

Remarks \_\_\_\_\_

Sampling Personnel Jennifer Berlin and Ana Moreno

## Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½" = 0.50	6" = 1.46

## **APPENDIX B**

### Laboratory Report





## Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • [www.lancasterlabs.com](http://www.lancasterlabs.com)

### ANALYTICAL RESULTS

Prepared for:

ConocoPhillips  
PO Box 2200  
Bartlesville OK 74005

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

### SAMPLE GROUP

The sample group for this submittal is 1038232. Samples arrived at the laboratory on Tuesday, May 15, 2007. The PO# for this group is 4506560639 and the release number is TAYLOR.

#### Client Description

SB-12 Grab Water Sample  
Trip Blank Water Sample

#### Lancaster Labs Number

5054818  
5054819

ELECTRONIC     Tetra Tech  
COPY TO

Attn: Kelly Henderson



Lancaster  
Laboratories

## ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2881 • [www.lancasterlabs.com](http://www.lancasterlabs.com)

Questions? Contact your Client Services Representative  
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Robin C. Runkle", with a long horizontal flourish extending to the right.

Robin C. Runkle  
Senior Specialist



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 5054818

SB-12 Grab Water Sample  
Site# 6083  
Shephard&Kelsey #1, NM

Collected: 05/14/2007 12:15 by AM

Account Number: 11288

Submitted: 05/15/2007 09:25  
Reported: 05/24/2007 at 10:01  
Discard: 06/24/2007

ConocoPhillips  
PO Box 2200  
Bartlesville OK 74005

SHP12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
02300	GC/MS Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05415	Ethylbenzene	100-41-4	2.	0.8	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02300	GC/MS Volatiles	SW-846 8260B	1	05/17/2007 22:26	Ryan V Nolt	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2007 22:26	Ryan V Nolt	1

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 5054819

Trip Blank Water Sample  
Site# 6083  
Shephard&Kelsey #1, NM

Collected: 05/14/2007

Account Number: 11288

Submitted: 05/15/2007 09:25  
Reported: 05/24/2007 at 10:01  
Discard: 06/24/2007

ConocoPhillips  
PO Box 2200  
Bartlesville OK 74005

SHPTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
02300	GC/MS Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
02300	GC/MS Volatiles	SW-846 8260B	1	05/17/2007 22:49	Ryan V Nolt	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2007 22:49	Ryan V Nolt	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: ConocoPhillips  
Reported: 05/24/07 at 10:01 AM

Group Number: 1038232

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: T071371AA	Sample number(s): 5054818-5054819								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	106	105	73-119	1	30
Benzene	N.D.	0.5	5.	ug/l	119	114	78-119	5	30
Toluene	N.D.	0.7	5.	ug/l	105	97	85-115	7	30
Ethylbenzene	N.D.	0.8	5.	ug/l	103	96	82-119	7	30
Xylene (Total)	N.D.	0.8	5.	ug/l	104	97	83-113	7	30

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG CONC	DUP CONC	DUP RPD	Dup RPD Max
Batch number: T071371AA	Sample number(s): 5054818-5054819 UNSPK: P055729							
Methyl Tertiary Butyl Ether	107		69-127					
Benzene	127		83-128					
Toluene	113		83-127					
Ethylbenzene	110		82-129					
Xylene (Total)	110		82-130					

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST-Unleaded Waters by 8260B  
Batch number: T071371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5054818	106	98	87	87
5054819	108	100	90	84
Blank	102	99	93	88
LCS	99	98	92	94
LCSD	99	98	93	92
MS	99	99	94	91
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



**Lancaster  
Laboratories**

For Lancaster Labs Use ONLY Acct. #:

007135

11288

Group # 1038232

sample#: 5054818-19  
scr#: 61-818505

— 35 —

[illegible]

## Lancaster Laboratories

### Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

#### Organic Qualifiers

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>J</b>	Estimated value
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns >25%
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

#### Inorganic Qualifiers

<b>B</b>	Value is <CRDL, but ≥IDL
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike amount not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<b>+</b>	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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