

# Geologic Log



PROJECT No.: 1300-01 HOLE No.: BH-1  
 DATE BEGIN: 6/23/10 DATE END: 6/23/10  
 DRILLER: Clement LOGGER: S.M FIRST WATER AT: \_\_\_\_\_

Comments	Sample Method	Drilling Rate <small>OVA Max (ppm)</small>	Depth / Sample Locations	Graphic Log	Lithologic Description
Elev 94.98'	Direct Push ↓		0		90% Moist 0-2 silt w/ gravel, moist, brown, light staining OVA: 40/6500 2-3 Very clay w/ sand, moist, light brown, heavy staining OVA: 15/600 3-3.5 Silt, black, some visible staining moist OVA: 50/1500
			4 <u>BH1</u> 5.5-6.5		90% Moist 4-5 silt with gravel, moist, black, light staining OVA: 50/2490 5-7.3 Poorly graded sand w/ silt, dark brown, no staining OVA: 35/55 7.3-7.5 Poorly graded gravel w/ sand, moist, light brown, no stain OVA: 45/50
			8 <u>BH1</u> 8-9 <u>BH1</u> 10-11		90% Moist 8-9.5 Poorly graded gravel w/ sand, moist, light brown, no stain OVA: 20/70 9.5-11.5 Silt, moist, dark brown, no stain OVA: 20/200
			12 <u>BH1</u> 13.5-14.5		100% Heavy 12-18 fine silt transitioning to well graded gravel w/ silt, moist, black to reddish brown, no staining 13 OVA 40/46 14 OVA 29/25
			16 <u>BH1</u> 19-20		50% Moist missing upper half due to rock 18-20 well graded gravel w/ silt, moist reddish brown, no staining OVA: 25/32
			20		End of boring @ 20 ft

17 0500

# Geologic Log



EarthFax

Sample # 111111

PROJECT No.: 1300-01 HOLE No.: BH-2

DATE BEGIN: 6/24/10 DATE END: 6/24/10

DRILLER: CH-INT LOGGER: SM FIRST WATER AT: \_\_\_\_\_

## Lithologic Description

Comments	Sample Method	Drilling Rate (ppm)	Depth / Sample Location	Graphic Log	Lithologic Description
Elev 93.96	↓		0		25% heavy 0-1 Imported mixed C.11 heavy staining, brown OVA: 9/5100
Heavy coarse at top Problems with cone penetration down hole, thin beds			4		75% heavy 4-5.5 Very clay w/ gravel, moist, heavy staining dark brown OVA: 5.5-7 Silt, moist, light brown, slight staining OVA - brown flowout
			8		100% heavy 8-9 Silt, moist, reddish brown slight staining OVA: 8/9000 9-12 Silt w/ sand, moist, reddish brown slight staining *GRA-1 OVA: (13/60,000) - Bed
			12 BH2 12-13		75% heavy 12-13.5 Silt w/ sand & gravel, moist, reddish brown in heavy no visible staining OVA: 8/1200
			16 BH2 16-17		13.5-15 Silt w/ sand + small amount of gravel (2") light brown to reddish brown OVA 8/50 16-17.5 OVA: 6/45 silt w/ sand transitioning to lean clay, reddish brown, moist, heavy staining 17.5-18 OVA: 8/12. Very gravelly gravelly sand, tan dry, no visible staining
		16.8	20 BH2 17.5-18		Ref: @ 18 ft

# Geologic Log



EarthFax

All appears clean

PROJECT No.: 1366-01 HOLE No.: BH-3

DATE BEGIN: 6/23/10 DATE END: 6/23/10

DRILLER: Clement LOGGER: SM FIRST WATER AT: none

## Lithologic Description

Comments	Sample Method	Drilling Rate <i>OVA</i>	Depth / Sample Locations	Graphic Log	Lithologic Description
EIN 100.22	Direct Push ↓		0 BH 3 0.5-1.5		50% recovery 1-1.5 Silty sand w/ gravel (topsoil), moist, black no staining OVA: 7/35 1.5-2 Well sorted gravel w/ silt, moist, dark brown, no staining OVA: 7/20 <i>1st str. C.1.</i>
			4 BH 3 4.5-5.5		50% recovery 4-5 well sorted gravel w/ silt (strat. C.1), moist dark brown to reddish brown, no staining OVA: 10/10 5-6 silt w/ gravel, moist, black, no staining OVA: 12/12
			8 BH 3 8.5-9.5		35% recovery 8-8.5 Gravelly loam clay, moist, black, no staining OVA: 18/18 8.5-9.5 silt w/ gravel, moist, brown, no staining OVA: 15/15
			12 BH 3 13-14		75% recovery 12-13 silt w/ gravel, moist, brown no staining OVA: 8/8 13-15 silt w/ sand, moist, light reddish brown no staining OVA: 8/8
			16 BH 3 17.5-18.5		100% recovery 16-20 lean clay w/ sand, moist, light reddish brown no staining OVA: 7/7
			20 BH 3 20.5-21.5		50% recovery 20-22 silt w/ gravel, moist, light reddish brown no staining OVA: 12/12
			24		End of boring @ 23 ft ref-cal

# Geologic Log



PROJECT No.: 1300-01 HOLE No.: BH-4  
 DATE BEGIN: 6/24/10 DATE END: 6/24/10  
 DRILLER: Climent LOGGER: SM FIRST WATER AT: \_\_\_\_\_

## Lithologic Description

Comments	Sample Method	Drilling Rate	Depth / Sample Locations	Graphic Log	Lithologic Description
Elev 89.93	↓		0		75% clayey 0-1. Impure sand, silt, brown, no staining, moist, placed Rock @ base of layer OVA: (8/18)
			4		1-3 Silt, light brown, moist, no staining OVA: (8/36) 75% clayey 4-5 Impure sand, silt, brown, no staining, moist moist, no staining OVA: 12/12
			8		5-7 Lean clay w/ sand, moist, dark brown, heavy staining OVA: 12/120 75% clayey 8-8.5 Silt w/ sand, impure, moist, dark brown, no staining OVA: 9/15
			12		8.5-9 Silt, moist, reddish brown, no staining OVA: 9/9 9-11 Lean clay w/ sand, moist, dark brown, no staining OVA: 11/13 75% clayey 11-11.3 Lean clay w/ sand, moist, dark brown, no staining OVA: 5/8
			16		11.3-12.5 Silt w/ sand, moist, reddish brown, no staining OVA: 9/9 End of boring @ 125ft

BH4  
8-9  
9-11  
12-11

BH4  
11.5-12.5

# Geologic Log



EarthFax

PROJECT No.: 1300-01 HOLE No.: BH-5  
 DATE BEGIN: 6/23/10 DATE END: 6/23/10  
 DRILLER: Clyment LOGGER: SM FIRST WATER AT: \_\_\_\_\_

Comments	Sample Method	Drilling Rate (rpm)	Depth / Sample loc.	Graphic Log	Lithologic Description
Elev 94.49	Direct push ↓		0		75% Recovery 0-2 Silt, black, no hydrate staining + odor OVA: 50/1200
			4		75% Recovery 4-5.5 Sand w/ silt, dark brown, hydrate staining OVA 40 / 2.5% of million
APM's clean @ 6 ft BGS			8 BHS 9-9.5		75% Recovery 8-10.5 Poorly graded sand w/ silt + gravel, light brown - NO STAIN OVA: 20/250 10.5-11 Silt, brown, no staining, dry OVA: 30/158
			12 BHS 12-12.5		100% Recovery 12-14 Silt, brown, no staining, dry, no stain OVA: 20/180 14-15 Poorly graded silt + gravel, reddish brown, dry, no stain OVA: 20/150
			16 BHS 15.5-16		15-16 Silt w/ gravel, moist, dark brown, no stain OVA: 20/300  End of boring @ 16 ft

# Geologic Log



EarthFax

PROJECT No.: 1300-01 HOLE No.: BH-6

DATE BEGIN: 6/23/10 DATE END: 6/23/10

DRILLER: Clement LOGGER: SM FIRST WATER AT: N/A

Comments	Sample Method	Drilling Rate <small>OVA Max</small> (ppm)	Depth / Sample Locations	Graphic Log	Lithologic Description
Elev 89-90	Direct Push ↓	8650 Min 90.0	4	Sample	0-4' 50% recovery 0-1' ls pebbles, bluish, coarse stained 1-2 ft poorly graded sand ls hydrocarbon odor light brown
		86.8 Max 220	4	B6-7	4-8' 70% recovery 4-7' silt ls, no apparent hydrocarbon odor or odor, light brown
		8680 Max 20.6	8	B6-8	8-9.5' silt, dark brown, no hydrocarbon odor 9.5-9.6' Small interbed of angular gravel 9.6-12' poorly graded fine sand reddish brown, no hydrocarbon
			12		End of boring @ 12'



# Geologic Log



PROJECT No.: U1180 HOLE No.: BH-8  
 DATE BEGIN: 6/23/10 DATE END: 6/23/10  
 DRILLER: Clarence LOGGER: SM FIRST WATER AT: \_\_\_\_\_

Comments	Sample Method	Drilling Rate	Depth / Sample Locations	Graphic Log
Elm 94.80	D. core P. core ↓		0	
			4	
			8	
			12	
			16	
			20	

Lithologic Description	
75% recovery	0-1 ft. Topsoil, dark brown, no staining. OVA 1/14
	2-3 Well graded gravel, w/ sand, reddish brown, no staining. OVA 4/14
	4-5 silt w/ gravel, moist, dark brown, no staining. OVA 5/5
	5.5-6 poorly graded fine sand moist, reddish brown, no staining. OVA 5/8
	6-7 silt, moist, dark brown, no staining. OVA 5/11
75% recovery	8-11 silt, moist, dark brown, no staining. OVA 5/10
	9-10 " 5/8
	11 5/7
75% recovery	12-17 silt, moist, dark brown, no staining. OVA: 5/8
	13-15 well graded gravel w/ sand, reddish brown, moist, no staining. OVA: 5/5
75% recovery	16-19 silt w/ gravel, moist, dark brown, no staining. OVA: 3/3
	End of boring @ 17 ft



# Geologic Log



EarthFax

Station: Grass

PROJECT No.: 41300 HOLE No.: BH-9

DATE BEGIN: 6/23/10 DATE END: \_\_\_\_\_

DRILLER: Clinton LOGGER: SM FIRST WATER AT: \_\_\_\_\_

Comments	Sample Method	Drilling Rate	Depth / SAMPLE LOCATIONS	Graphic Log	Lithologic Description
Elev 99.20	Direct Push ↓		0 BH9 0.5-1.5		50% recovery 0-1 Poorly graded sand w/ silt & gravel (topsoil) equiv. S no hydrocarbon staining, block OVA: 4/4 1-2 Well graded gravel w/ silt & sand moist, no staining light brown; sand fill OVA: 4/4
			4		25% recovery 4-4.5 well graded gravel w/ silt & sand moist, no staining, light brown, sand fill OVA: 5/5 4.5-5 Silt w/ sand, dark brown, moist no staining OVA: 5/5
			8 BH9 7-11		75% recovery 8-10.5 Silt w/ sand, moist, dark brown granular, no block (gravel by soil mixed deposit), no staining OVA: 5/5
			12 BH9 13-14		75% recovery 12-13 Sandy silt w/ gravel, moist dark brown, no staining OVA: 5/5
			16 17		100% recovery Ref test @ 17 ft: 16-17 Well graded gravel w/ silt & sand, moist OVA: 5/5, no staining, light brown End of boring @ 17 ft, refusal

# Geologic Log



PROJECT No.: UC D00 HOLE No.: BH-10  
 DATE BEGIN: 6/23/10 DATE END: 6/23/10  
 DRILLER: Clint LOGGER: SM FIRST WATER AT: \_\_\_\_\_

## Lithologic Description

Comments	Sample Method	Drilling Rate	Depth / Sample Location	Graphic Log	Lithologic Description
Elev 95.26  0-4' has been disturbed, in soil & replaced			0 BH10 0-3		100% silt 0-3 - Mixed f. silt of silt, + brackly silt black to light brown, moist, some light staining OVA 0.5' 25/50 1.5' 30/130
			4 BH10 4.5-5.5		100% silt 4-8 Silt w/ gravel, dry, no staining, light brown OVA 5' 26/45 6' 20/38 7' 30/57
			8 BH10 8-10		100% silt 8-10 Silt w/ gravel, moist, dark brown, no stain OVA 25/25 10-11 Silt, dry, dark brown, no staining OVA 20/35 11-12 Silt w/ gravel, moist, dark brown, no stain OVA 15/25
			12 BH10 15-16		100% silt 12-13 Silt w/ gravel, moist, dark brown, no stain OVA 23/23 13-16 Well graded gravel w/ silt + sand, no staining OVA: 15/22
			16		

# Geologic Log



PROJECT No.: LC 1400 HOLE No.: BH11  
 DATE BEGIN: 6/25/10 DATE END: 6/25/10  
 DRILLER: WPII LOGGER: SM FIRST WATER AT: None

## Lithologic Description:

Comments	Sample Method	Drilling Rate	Depth (Sample)	Graphic Log	Lithologic Description
Elev. 91.30			0 BH11 0-3		0-2 ft well sorted gravel and sand, <u>no staining or odor</u> , <u>like brown</u> 2-3 ft Silt w/ gravel, <u>no staining or odor</u> , <u>like brown</u> OVA: 4/12
			3 BH11 3-6		3-4 Silt w/ gravel, <u>brown</u> , <u>no staining or odor</u> , <u>like brown</u> 4-6 Silt w/ sand, <u>brown</u> , <u>no staining or odor</u> , <u>like brown</u> OVA: 2/2
Number trees' - spill Sensiblen in 10.5' - mark			6 BH11 6-9		6-9 Silt w/ sand, <u>brown</u> , <u>no staining or odor</u> , <u>like brown</u> OVA: 2/2
			9 BH11 9-12		9-10 Silt w/ sand, <u>brown</u> , <u>no staining or odor</u> , <u>like brown</u> 10-12 brown clay w/ sand, <u>brown</u> , <u>no staining or odor</u> , <u>like brown</u> OVA 3/2
			12		End of test with 12 ft
F11 6/25/10 7:30					

# Geologic Log



PROJECT No.: 1300 HOLE No.: BH-12  
 DATE BEGIN: 6/26/10 DATE END: "  
 DRILLER: SM LOGGER: SM FIRST WATER AT: -

## Lithologic Description

Comments	Sample Method	Drilling Rate	Depth/Samples	Graphic Log	Lithologic Description
Fig 87 88			0 BH12 0-2		0-2 ft sandy silt, resembles silt, dark brown, moist, no staining or odor OVA 5/5
			2 BH12 2-4		2-3 same, OVA 3/3 3-4 Sandy tan clay, resembles topsoil, dark brown, moist, no staining or odor OVA: 3/3
			4		EOU @ 4 ft

# Geologic Log



PROJECT No.: 1300 HOLE No.: BH-13  
 DATE BEGIN: 6/26/10 DATE END: 11  
 DRILLER: SM LOGGER: SM FIRST WATER AT: —

## Lithologic Description

Comments	Sample Method	Drilling Rate	Depth / Samples	Graphic Log	Lithologic Description
Elev 88.09			0 BH13 0-2		0-2 Sandy silt, resembles topsoil, dark brown, moist, no staining or odor OVA: 6/6
			2 BH13 2-4		2-4 Sandy lean clay, resembles topsoil, dark brown, moist, no staining or odor OVA: 10/10
			4		EOD @ 4 ft

# Geologic Log



PROJECT No.: 1300 HOLE No.: BH-14  
 DATE BEGIN: 6/26/10 DATE END: 11  
 DRILLER: SM LOGGER: SM FIRST WATER AT: -

Comments	Sample Method	Drilling Rate	Depth/Samples
Elev 88.60			0 BH14 0-2
			2 BH14 2-4
			4

Graphic Log

## Lithologic Description

0-2 Sandy silt, resembles topsoil, dark brown, moist, no staining or odor  
 OVA: 10/10

2-4 same OVA: 12/12

EOB @ 4 ft

# Geologic Log



PROJECT No.: 1300 HOLE No.: BH-15  
 DATE BEGIN: 6/26/10 DATE END: "  
 DRILLER: SM LOGGER: SM FIRST WATER AT: -

## Lithologic Description

Comments	Sample Method	Drilling Rate	Depth / Samples	Graphic Log	Lithologic Description
Elev 89.43			0 BH15 0-2		Sandy silt, resembles topsoil, dark brown, moist, no staining or odor. OVA: 20160
			2 BH15 2-4		2-4 same, OVA 18118
			4		

Chevron Pipe Line Company  
Salt Lake City, Utah  
July 12, 2010

Spill Site Characterization & Remediation  
Milepost 174.5 Release Site

## **APPENDIX B**

### Laboratory Analytical Results

*EarthFax Engineering, Inc.*





## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

July 02, 2010

Project: Chevron Pipeline

Submittal Date: 06/26/2010  
Group Number: 1200632  
PO Number: UC1300.09  
Release Number: JEREGY  
State of Sample Origin: UT

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
BH6, 6'-7' Grab Soil Sample	6017729
BH6, 8'-9' Grab Soil Sample	6017730
BH7, 5'-6' Grab Soil Sample	6017731
BH7, 8'-9' Grab Soil Sample	6017732
BH5, 6.5'-7' Grab Soil Sample	6017733
BH5, 9'-9.5' Grab Soil Sample	6017734
BH5, 12'-12.5' Grab Soil Sample	6017735
BH5, 15.5'-16' Grab Soil Sample	6017736
BH3, 0.5'-1.5' Grab Soil Sample	6017737
BH3, 4.5'-5.5' Grab Soil Sample	6017738
BH3, 8.5'-9.5' Grab Soil Sample	6017739
BH3, 13'-14' Grab Soil Sample	6017740
BH3, 17.5'-18.5' Grab Soil Sample	6017741
BH3, 20.5'-21.5' Grab Soil Sample	6017742
BH9, 0.5'-1.5' Grab Soil Sample	6017743
BH9, 9'-10' Grab Soil Sample	6017744
BH9, 13'-14' Grab Soil Sample	6017745
BH8, 6'-7' Grab Soil Sample	6017746
BH8, 9'-10' Grab Soil Sample	6017747
BH8, 14'-15' Grab Soil Sample	6017748
BH8, 16'-17' Grab Soil Sample	6017749
BH1, 5.5'-6.5' Grab Soil Sample	6017750
BH1, 8'-9' Grab Soil Sample	6017751
BH1, 10'-11' Grab Soil Sample	6017752
BH1, 13.5'-14.5' Grab Soil Sample	6017753
BH1, 19'-20' Grab Soil Sample	6017754
BH-10, 0'-3' Grab Soil Sample	6017755
BH-10, 4.5'-5.5' Grab Soil Sample	6017756
BH-10, 9.5'-10.5' Grab Soil Sample	6017757
BH-10, 15'-16' Grab Soil Sample	6017758



The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

1 COPY TO  
ELECTRONIC  
COPY TO

Earthfax Engineering  
Earthfax

Attn: Galen Williams  
Attn: Li Cheng

Questions? Contact your Client Services Representative  
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,

A handwritten signature in cursive script that reads "Lawrence M. Taylor".

Lawrence M. Taylor  
Senior Specialist



Sample Description: BH6, 6'-7' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017729  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 09:50 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH66-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg N.D.	mg/kg 0.0005	0.98
10950 Ethylbenzene	100-41-4	N.D.	0.001	0.98
10950 Naphthalene	91-20-3	N.D.	0.001	0.98
10950 Toluene	108-88-3	0.002	0.001	0.98
10950 Xylene (Total)	1330-20-7	N.D.	0.001	0.98
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	n.a.	mg/kg N.D.	mg/kg 1.0	26.1
<b>GC Extractable TPH</b>				
02729 >C12-C35	n.a.	mg/kg 6.0	mg/kg 4.0	1
02729 Total TPH	n.a.	6.0	4.0	1

**General Sample Comments**

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

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 02:19	Angela D Sneeringer	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:49	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:49	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 11:34	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 17:12	Elizabeth J Marin	26.1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 11:35	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 19:06	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1

# Analysis Report



Sample Description: BH6, 8'-9' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017730  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 10:00 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 07/02/2010 16:43

Midvale UT 84047

Discard: 08/02/2010

BH68-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	mg/kg	1.06
10950	Ethylbenzene	100-41-4	0.0005	1.06
10950	Naphthalene	91-20-3	N.D.	1.06
10950	Toluene	108-88-3	0.001	1.06
10950	Xylene (Total)	1330-20-7	0.001	1.06
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	mg/kg	25.91
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	mg/kg	1
02729	Total TPH	n.a.	6.8	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 02:41	Angela D Sneringer	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 11:38	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 17:49	Elizabeth J Marin	25.91
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 11:39	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 19:32	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH7, 5'-6' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017731  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 10:30 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH75-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.078	mg/kg 0.0005	0.97
10950 Ethylbenzene	100-41-4	0.019	0.001	0.97
10950 Naphthalene	91-20-3	N.D.	0.001	0.97
10950 Toluene	108-88-3	0.13	0.001	0.97
10950 Xylene (Total)	1330-20-7	0.14	0.001	0.97
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg 1.1	mg/kg 1.1	26.97
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg 7.3	mg/kg 4.0	1
02729 Total TPH	n.a.	7.3	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 08:20	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 11:42	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 18:25	Elizabeth J Marin	26.97
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 11:43	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 19:58	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH7, 8'-9' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017732  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 10:40 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 07/02/2010 16:43

Midvale UT 84047

Discard: 08/02/2010

BH78-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	N.D.	0.0005
10950	Ethylbenzene	100-41-4	N.D.	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	N.D.	0.001
10950	Xylene (Total)	1330-20-7	N.D.	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	4.0
02729	Total TPH	n.a.	N.D.	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 03:04	Angela D Sneeringer	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 11:48	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 19:01	Elizabeth J Marin	25.99
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 11:48	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 20:24	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH5, 6.5'-7' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017733  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 11:30 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH56-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.003	mg/kg 0.0005	0.95
10950 Ethylbenzene	100-41-4	0.005	0.0009	0.95
10950 Naphthalene	91-20-3	N.D.	0.0009	0.95
10950 Toluene	108-88-3	0.030	0.0009	0.95
10950 Xylene (Total)	1330-20-7	0.092	0.0009	0.95
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg 1.4	mg/kg 1.1	26.46
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg 7.8	mg/kg 4.0	1
02729 Total TPH	n.a.	7.8	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 08:43	Angela D Sneeringer	0.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 11:53	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 19:38	Elizabeth J Marin	26.46
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 11:53	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 20:49	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH5, 9'-9.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017734  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 12:11 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 07/02/2010 16:43

Discard: 08/02/2010

BH59-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.004	0.0005
10950	Ethylbenzene	100-41-4	N.D.	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	0.004	0.001
10950	Xylene (Total)	1330-20-7	0.001	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	4.0
02729	Total TPH	n.a.	N.D.	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 03:26	Angela D Sneeringer	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:50	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 11:58	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/29/2010 11:31	Elizabeth J Marin	27.62
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 11:58	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 21:15	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1





Sample Description: BH5, 12'-12.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017735  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 12:25 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH512

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.004	mg/kg 0.0005	1.06
10950 Ethylbenzene	100-41-4	0.003	0.001	1.06
10950 Naphthalene	91-20-3	N.D.	0.001	1.06
10950 Toluene	108-88-3	0.015	0.001	1.06
10950 Xylene (Total)	1330-20-7	0.028	0.001	1.06
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1	26.57
<b>GC Extractable TPH</b>				
02729 >C12-C35	n.a.	5.3	4.0	1
02729 Total TPH	n.a.	5.3	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 03:49	Angela D Sneeringer	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:04	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/29/2010 12:07	Elizabeth J Marin	26.57
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:04	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 21:41	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1

# Analysis Report



Sample Description: BH5, 15.5'-16' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017736  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 12:28 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 07/02/2010 16:43

Midvale UT 84047

Discard: 08/02/2010

BH515

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	N.D.	0.0005
10950	Ethylbenzene	100-41-4	N.D.	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	N.D.	0.001
10950	Xylene (Total)	1330-20-7	N.D.	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	4.0
02729	Total TPH	n.a.	N.D.	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 04:12	Angela D Sneeringer	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:08	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/29/2010 12:43	Elizabeth J Marin	27.09
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:09	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 22:06	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH3, 0.5'-1.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017737  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 13:01 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH305

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	71-43-2	N.D.	0.0005	1.07
10950 Ethylbenzene	100-41-4	0.002	0.001	1.07
10950 Naphthalene	91-20-3	0.015	0.001	1.07
10950 Toluene	108-88-3	N.D.	0.001	1.07
10950 Xylene (Total)	1330-20-7	0.032	0.001	1.07
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	n.a.	8.0	1.0	25.51
<b>GC Extractable TPH</b>				
02729 >C12-C35	n.a.	150	4.0	1
02729 Total TPH	n.a.	150	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 11:05	Angela D Sneeringer	1.07
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:15	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 20:41	Elizabeth J Marin	25.51
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:16	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 03:15	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH3, 4.5'-5.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017738  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 13:12 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH34-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.0006	mg/kg 0.0005	1.01
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.01
10950 Naphthalene	91-20-3	N.D.	0.001	1.01
10950 Toluene	108-88-3	N.D.	0.001	1.01
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1.01
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1.0	25.75
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 04:34	Angela D Sneeringer	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:20	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 17:32	Elizabeth J Marin	25.75
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:21	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 22:32	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH3, 8.5'-9.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017739  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 13:20 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100  
7324 South Union Park  
Midvale UT 84047

Reported: 07/02/2010 16:43

Discard: 08/02/2010

BH38-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	N.D.	mg/kg 0.0005	1.06
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.06
10950 Naphthalene	91-20-3	N.D.	0.001	1.06
10950 Toluene	108-88-3	N.D.	0.001	1.06
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1.06
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	N.D.	mg/kg 1.0	26.1
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	10	mg/kg 4.0	1
02729 Total TPH	n.a.	10	4.0	1

**General Sample Comments**

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

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 04:56	Angela D Sneeringer	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:51	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:25	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 18:08	Elizabeth J Marin	26.1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:26	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 22:58	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH3, 13'-14' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017740  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 13:30 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 07/02/2010 16:43

Midvale UT 84047

Discard: 08/02/2010

BH313

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10950 Benzene	71-43-2	N.D.	0.0005	0.96
10950 Ethylbenzene	100-41-4	N.D.	0.001	0.96
10950 Naphthalene	91-20-3	N.D.	0.001	0.96
10950 Toluene	108-88-3	N.D.	0.001	0.96
10950 Xylene (Total)	1330-20-7	N.D.	0.001	0.96
<b>GC Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725 TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.54
<b>GC Extractable TPH</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	
02729 >C12-C35	n.a.	N.D.	4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 05:19	Angela D Sneeringer	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:52	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:52	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:29	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 18:45	Elizabeth J Marin	25.54
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:30	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 23:24	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH3, 17.5'-18.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017741  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 13:40 by SM      Chevron c/o Earthfax Eng.  
Suite 100  
Submitted: 06/26/2010 09:30      7324 South Union Park  
Reported: 07/02/2010 16:43      Midvale UT 84047  
Discard: 08/02/2010

BH317

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	71-43-2	0.002	0.0005	1
10950 Ethylbenzene	100-41-4	N.D.	0.001	1
10950 Naphthalene	91-20-3	N.D.	0.001	1
10950 Toluene	108-88-3	0.001	0.001	1
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.9	23.43
<b>GC Extractable TPH</b>				
02729 >C12-C35	n.a.	N.D.	4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 05:42	Angela D Sneeringer	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:52	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:52	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:34	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 19:22	Elizabeth J Marin	23.43
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:35	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/29/2010 23:49	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH3, 20.5'-21.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017742  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 13:50 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH320

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	SW-846 8260B	mg/kg	mg/kg	
10950	71-43-2	N.D.	0.0005	1.01
10950	100-41-4	N.D.	0.001	1.01
10950	91-20-3	N.D.	0.001	1.01
10950	108-88-3	N.D.	0.001	1.01
10950	1330-20-7	N.D.	0.001	1.01
<b>GC Volatiles</b>				
01725	SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.0	25.69
<b>GC Extractable TPH</b>				
02729	SW-846 8015B modified	mg/kg	mg/kg	
02729	>C12-C35	n.a.	4.0	1
02729	Total TPH	n.a.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 09:05	Angela D Sneeringer	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:52	Lisa J Cooke	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921551	06/28/2010 12:52	Lisa J Cooke	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921551	06/28/2010 12:38	Lisa J Cooke	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 19:58	Elizabeth J Marin	25.69
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921551	06/28/2010 12:39	Lisa J Cooke	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 00:15	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1





Sample Description: BH9, 0.5'-1.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017743  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 14:50 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH905

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.0006	mg/kg 0.0005	1.01
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.01
10950 Naphthalene	91-20-3	N.D.	0.001	1.01
10950 Toluene	108-88-3	N.D.	0.001	1.01
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1.01
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1.0	25.43
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg 9.2	mg/kg 4.0	1
02729 Total TPH	n.a.	9.2	4.0	1

**General Sample Comments**

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

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 14:18	Chelsea B Eastep	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:07	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 20:00	Carrie E Miller	25.43
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:08	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101780000A	06/29/2010 01:15	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101780000A	06/28/2010 07:30	Joseph S Feister	1

# Analysis Report



Sample Description: BH9, 9'-10' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017744  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 15:00 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 07/02/2010 16:43

Discard: 08/02/2010

BH99-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.015	0.0005
10950	Ethylbenzene	100-41-4	N.D.	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	0.009	0.001
10950	Xylene (Total)	1330-20-7	N.D.	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	4.0
02729	Total TPH	n.a.	N.D.	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 06:05	Angela D Sneeringer	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:11	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/28/2010 21:26	Elizabeth J Marin	25.77
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:12	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101780000A	06/28/2010 22:13	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101780000A	06/28/2010 07:30	Joseph S Feister	1



Sample Description: BH9, 13'-14' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017745  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 15:24 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 07/02/2010 16:43

Discard: 08/02/2010

BH913

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor	
<b>GC/MS Volatiles</b>					
10950	Benzene	71-43-2	0.006	0.0005	1.04
10950	Ethylbenzene	100-41-4	N.D.	0.001	1.04
10950	Naphthalene	91-20-3	N.D.	0.001	1.04
10950	Toluene	108-88-3	0.006	0.001	1.04
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1.04
<b>GC Volatiles</b>					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	23.88
<b>GC Extractable TPH</b>					
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 06:27	Angela D Sneeringer	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:14	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/29/2010 13:56	Elizabeth J Marin	23.88
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:15	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101780000A	06/28/2010 22:39	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101780000A	06/28/2010 07:30	Joseph S Feister	1

# Analysis Report



Sample Description: BH8, 6'-7' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017746  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 16:00 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH86-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.003	1.05
10950	Ethylbenzene	100-41-4	N.D.	1.05
10950	Naphthalene	91-20-3	N.D.	1.05
10950	Toluene	108-88-3	0.001	1.05
10950	Xylene (Total)	1330-20-7	N.D.	1.05
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	25.48
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	1
02729	Total TPH	n.a.	N.D.	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 06:50	Angela D Sneeringer	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:18	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/29/2010 14:32	Elizabeth J Marin	25.48
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:19	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101780000A	06/28/2010 23:05	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101780000A	06/28/2010 07:30	Joseph S Feister	1



Sample Description: BH8, 9'-10' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017747  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 16:07 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH89-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.003	mg/kg 0.0005	1.02
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.02
10950 Naphthalene	91-20-3	N.D.	0.001	1.02
10950 Toluene	108-88-3	0.001	0.001	1.02
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1.02
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1.0	25.43
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 07:12	Angela D Sneeringer	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:21	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31A	06/29/2010 15:09	Elizabeth J Marin	25.43
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:22	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101780000A	06/28/2010 23:31	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101780000A	06/28/2010 07:30	Joseph S Feister	1

# Analysis Report



Sample Description: BH8, 14'-15' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017748  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 16:16 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH814

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.011	0.0005
10950	Ethylbenzene	100-41-4	N.D.	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	0.006	0.001
10950	Xylene (Total)	1330-20-7	N.D.	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	4.0
02729	Total TPH	n.a.	N.D.	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 07:35	Angela D Sneeringer	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:27	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 16:22	Carrie E Miller	25.77
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:24	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101780000A	06/28/2010 23:57	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101780000A	06/28/2010 07:30	Joseph S Feister	1



Sample Description: BH8, 16'-17' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017749  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 16:30 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH816

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.0006	mg/kg 0.0005	1
10950 Ethylbenzene	100-41-4	N.D.	0.001	1
10950 Naphthalene	91-20-3	N.D.	0.001	1
10950 Toluene	108-88-3	0.001	0.001	1
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1	24.58
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 07:57	Angela D Sneeringer	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:30	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 16:58	Carrie E Miller	24.58
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:30	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 00:40	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH1, 5.5'-6.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017750  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 17:46 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH15-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.033	0.0005
10950	Ethylbenzene	100-41-4	0.027	0.001
10950	Naphthalene	91-20-3	0.037	0.001
10950	Toluene	108-88-3	0.18	0.001
10950	Xylene (Total)	1330-20-7	0.65	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.5	1.0
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	16	4.0
02729	Total TPH	n.a.	16	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101792AA	06/29/2010 10:13	Angela D Sneeringer	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 13:35	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 17:34	Carrie E Miller	25.08
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 13:35	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101820001A	07/02/2010 09:22	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	101820001A	07/01/2010 15:15	Olivia I Santiago	1





Sample Description: BH1, 8'-9' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017751  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 17:52 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH18-

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	0.004	mg/kg 0.0005	1.01
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.01
10950 Naphthalene	91-20-3	N.D.	0.001	1.01
10950 Toluene	108-88-3	0.011	0.001	1.01
10950 Xylene (Total)	1330-20-7	0.015	0.001	1.01
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	N.D.	mg/kg 1.0	25.59
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	9.4	mg/kg 4.0	1
02729 Total TPH	n.a.	9.4	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 14:41	Chelsea B Eastep	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:21	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 18:11	Carrie E Miller	25.59
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:22	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 01:32	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1

# Analysis Report



Sample Description: BH1, 10'-11' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017752  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 17:55 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH110

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b> SW-846 8260B mg/kg				
10950	Benzene 71-43-2	0.004	0.0005	0.99
10950	Ethylbenzene 100-41-4	N.D.	0.001	0.99
10950	Naphthalene 91-20-3	N.D.	0.001	0.99
10950	Toluene 108-88-3	0.008	0.001	0.99
10950	Xylene (Total) 1330-20-7	0.008	0.001	0.99
<b>GC Volatiles</b> SW-846 8015B modified mg/kg				
01725	TPH-GRO N. CA soil C6-C12 n.a.	N.D.	1.0	25.67
<b>GC Extractable TPH</b> SW-846 8015B modified mg/kg				
02729	>C12-C35 n.a.	5.9	4.0	1
02729	Total TPH n.a.	5.9	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 15:03	Chelsea B Eastep	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:25	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 18:47	Carrie E Miller	25.67
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:26	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 01:57	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH1, 13.5'-14.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017753  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 18:05 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH113

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg N.D.	mg/kg 0.0005	1.03
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.03
10950 Naphthalene	91-20-3	N.D.	0.001	1.03
10950 Toluene	108-88-3	0.002	0.001	1.03
10950 Xylene (Total)	1330-20-7	0.009	0.001	1.03
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1.0	25.23
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg 4.8	mg/kg 4.0	1
02729 Total TPH	n.a.	4.8	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	D101801AA	06/29/2010 15:26	Chelsea B Eastep	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:28	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A31B	06/29/2010 19:23	Carrie E Miller	25.23
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:29	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 02:23	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1

# Analysis Report



Sample Description: BH1, 19'-20' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017754  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 18:10 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH119

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor	
<b>GC/MS Volatiles</b> SW-846 8260B      mg/kg      mg/kg					
10950	Benzene	71-43-2	N.D.	0.0005	1.02
10950	Ethylbenzene	100-41-4	N.D.	0.001	1.02
10950	Naphthalene	91-20-3	N.D.	0.001	1.02
10950	Toluene	108-88-3	N.D.	0.001	1.02
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1.02
<b>GC Volatiles</b> SW-846 8015B modified      mg/kg      mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	10	250
Due to excessive foaming of the sample, normal reporting limits were not attained.					
<b>GC Extractable TPH</b> SW-846 8015B modified      mg/kg      mg/kg					
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 15:48	Chelsea B Eastep	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:31	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 21:11	Elizabeth J Marin	250
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:32	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790009A	06/30/2010 02:49	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790009A	06/28/2010 17:50	Sally L Appleyard	1



Sample Description: BH-10, 0'-3' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017755  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 18:27 by SM

Chevron c/o Earthfax Eng..

Submitted: 06/26/2010 09:30

Suite 100

Reported: 07/02/2010 16:43

7324 South Union Park

Discard: 08/02/2010

Midvale UT 84047

BH100

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	0.80	mg/kg 0.026	52.19
10950 Ethylbenzene	100-41-4	2.9	0.052	52.19
10950 Naphthalene	91-20-3	1.7	0.052	52.19
10950 Toluene	108-88-3	6.2	0.052	52.19
10950 Xylene (Total)	1330-20-7	21	0.052	52.19
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	990	mg/kg 83	2072.54
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	1,900	mg/kg 40	10
02729 Total TPH	n.a.	1,900	40	10

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	Q101801AA	06/29/2010 14:09	Kerri E Koch	52.19
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:34	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34B	06/29/2010 21:18	Marie D John	2072.54
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:35	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 12:41	Heather E Williams	10
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1

# Analysis Report



Sample Description: BH-10, 4.5'-5.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017756  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 18:40 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 07/02/2010 16:43

Midvale UT 84047

Discard: 08/02/2010

BH104

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	SW-846 8260B	mg/kg	mg/kg	
10950	Benzene 71-43-2	0.005	0.0005	0.95
10950	Ethylbenzene 100-41-4	0.003	0.0009	0.95
10950	Naphthalene 91-20-3	0.001	0.0009	0.95
10950	Toluene 108-88-3	0.014	0.0009	0.95
10950	Xylene (Total) 1330-20-7	0.14	0.0009	0.95
<b>GC Volatiles</b>				
01725	SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12 n.a.	1.3	1.0	25.03
<b>GC Extractable TPH</b>				
02729	SW-846 8015B modified	mg/kg	mg/kg	
02729	>C12-C35 n.a.	N.D.	4.0	1
02729	Total TPH n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 20:19	Chelsea B Eastep	0.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:37	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/28/2010 21:48	Elizabeth J Marin	25.03
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:38	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 04:58	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH-10, 9.5'-10.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017757  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 18:50 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park  
Midvale UT 84047

Reported: 07/02/2010 16:43

Discard: 08/02/2010

BH109

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	0.006	mg/kg 0.0005	0.98
10950 Ethylbenzene	100-41-4	N.D.	0.001	0.98
10950 Naphthalene	91-20-3	N.D.	0.001	0.98
10950 Toluene	108-88-3	0.007	0.001	0.98
10950 Xylene (Total)	1330-20-7	0.006	0.001	0.98
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1	24.08
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 16:11	Chelsea B Eastep	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:32	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010 11:25	Elizabeth J Marin	24.08
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:33	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 05:23	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1

# Analysis Report



Sample Description: BH-10, 15'-16' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017758  
LLI Group # 1200632  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/23/2010 19:00 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 07/02/2010 16:43

Midvale UT 84047

Discard: 08/02/2010

BH101

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10950 Benzene	71-43-2	N.D.	0.0005	1.02
10950 Ethylbenzene	100-41-4	N.D.	0.001	1.02
10950 Naphthalene	91-20-3	N.D.	0.001	1.02
10950 Toluene	108-88-3	N.D.	0.001	1.02
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1.02
<b>GC Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725 TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	23.92
<b>GC Extractable TPH</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	
02729 >C12-C35	n.a.	N.D.	4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 16:34	Chelsea B Eastep	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:36	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010 12:02	Elizabeth J Marin	23.92
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:36	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 05:49	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1





## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 07/02/10 at 04:43 PM

Group Number: 1200632

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

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: B101792AA	Sample number(s): 6017729-6017742, 6017744-6017750							
Benzene	N.D.	0.0005	mg/kg	107	105	80-120	2	30
Ethylbenzene	N.D.	0.001	mg/kg	102	98	80-120	4	30
Naphthalene	N.D.	0.001	mg/kg	93	92	59-123	0	30
Toluene	N.D.	0.001	mg/kg	103	100	80-120	3	30
Xylene (Total)	N.D.	0.001	mg/kg	102	98	80-120	3	30
Batch number: B101801AA	Sample number(s): 6017743, 6017751-6017754, 6017756-6017758							
Benzene	N.D.	0.0005	mg/kg	113	114	80-120	1	30
Ethylbenzene	N.D.	0.001	mg/kg	107	107	80-120	0	30
Naphthalene	N.D.	0.001	mg/kg	98	88	59-123	10	30
Toluene	N.D.	0.001	mg/kg	110	110	80-120	0	30
Xylene (Total)	N.D.	0.001	mg/kg	108	107	80-120	1	30
Batch number: Q101801AA	Sample number(s): 6017755							
Benzene	N.D.	0.025	mg/kg	102	101	80-120	1	30
Ethylbenzene	N.D.	0.050	mg/kg	93	93	80-120	0	30
Naphthalene	N.D.	0.050	mg/kg	87	87	59-123	0	30
Toluene	N.D.	0.050	mg/kg	99	98	80-120	2	30
Xylene (Total)	N.D.	0.050	mg/kg	95	94	80-120	1	30
Batch number: 10179A31A	Sample number(s): 6017729-6017737, 6017744-6017747							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	92	89	67-119	4	30
Batch number: 10179A31B	Sample number(s): 6017743, 6017748-6017753							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	92	89	67-119	4	30
Batch number: 10179A34A	Sample number(s): 6017738-6017742, 6017754, 6017756-6017758							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	96	105	67-119	10	30
Batch number: 10179A34B	Sample number(s): 6017755							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	96	105	67-119	10	30
Batch number: 101780000A	Sample number(s): 6017743-6017748							
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	90		72-125		
Batch number: 101790009A	Sample number(s): 6017729-6017742, 6017749, 6017751-6017754							
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	93	93	72-125	0	20
Batch number: 101790010A	Sample number(s): 6017755-6017758							
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	97		72-125		
Batch number: 101820001A	Sample number(s): 6017750							

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 07/02/10 at 04:43 PM

Group Number: 1200632

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	96	98	72-125	2	20

### 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	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: B101792AA	Sample number(s): 6017729-6017742,6017744-6017750 UNSPK: 6017732								
Benzene	118		55-143						
Ethylbenzene	112		44-141						
Naphthalene	76		10-138						
Toluene	114		50-146						
Xylene (Total)	112		44-136						
Batch number: B101801AA	Sample number(s): 6017743,6017751-6017754,6017756-6017758 UNSPK: 6017743								
Benzene	109		55-143						
Ethylbenzene	101		44-141						
Naphthalene	59		10-138						
Toluene	111		50-146						
Xylene (Total)	100		44-136						
Batch number: 101780000A	Sample number(s): 6017743-6017748 UNSPK: 6017748								
Total TPH	77	78	49-123	1	20				
Batch number: 101790010A	Sample number(s): 6017755-6017758 UNSPK: 6017755 BKG: 6017755								
>C12-C35						1,900	970	67*	20
Total TPH	870 (2)		49-123			1,900	970	67*	20

### 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: VOCs by 8260B - Solid  
 Batch number: B101792AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017729	103	107	101	89
6017730	103	106	104	84
6017731	96	99	102	91
6017732	102	104	100	90
6017733	105	112*	94	98
6017734	101	101	101	90
6017735	100	100	101	91
6017736	103	104	102	86

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 07/02/10 at 04:43 PM

Group Number: 1200632

### Surrogate Quality Control

6017737	99	98	99	91
6017738	105	108	105	81
6017739	103	104	101	88
6017740	104	105	100	88
6017741	104	105	99	89
6017742	103	104	100	88
6017744	101	105	106	81
6017745	104	108	102	85
6017746	103	104	104	82
6017747	103	106	104	82
6017748	104	109	99	89
6017749	106	109	100	86
6017750	99	102	100	101
Blank	101	106	100	92
LCS	99	109	103	101
LCSD	99	107	103	100
MS	98	97	105	102

---

Limits:           71-114                                 70-109                                 70-123                                 70-111

Analysis Name: VOCs by 8260B - Solid  
 Batch number: B101801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017743	99	100	105	90
6017751	101	106	101	93
6017752	100	105	106	86
6017753	102	107	103	91
6017754	102	107	100	91
6017756	100	104	101	93
6017757	101	105	101	92
6017758	102	107	100	91
Blank	101	109	100	93
LCS	99	107	104	103
LCSD	98	105	104	103
MS	98	106	107	99

---

Limits:           71-114                                 70-109                                 70-123                                 70-111

Analysis Name: VOCs by 8260B - Solid  
 Batch number: Q101801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017755	88	96	117	104
Blank	94	103	98	91
LCS	96	103	99	93
LCSD	95	101	98	92

---

Limits:           71-114                                 70-109                                 70-123                                 70-111

Analysis Name: TPH-GRO N. CA soil C6-C12  
 Batch number: 10179A31A  
 Trifluorotoluene-F

6017729	82
6017730	78
6017731	75

- \*- Outside of specification
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 07/02/10 at 04:43 PM

Group Number: 1200632

### Surrogate Quality Control

6017732	74
6017733	79
6017734	72
6017735	68
6017736	72
6017737	71
6017744	68
6017745	69
6017746	71
6017747	63
Blank	74
LCS	80
LCSD	77

---

Limits: 61-122

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 10179A31B  
Trifluorotoluene-F

6017743	68
6017748	64
6017749	71
6017750	71
6017751	67
6017752	66
6017753	65
Blank	71
LCS	80
LCSD	77

---

Limits: 61-122

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 10179A34A  
Trifluorotoluene-F

6017738	86
6017739	82
6017740	79
6017741	79
6017742	83
6017754	92
6017756	81
6017757	75
6017758	74
Blank	92
LCS	77
LCSD	85

---

Limits: 61-122

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 10179A34B  
Trifluorotoluene-F

---

6017755	91
---------	----

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 07/02/10 at 04:43 PM

Group Number: 1200632

### Surrogate Quality Control

Blank 85  
LCS 77  
LCSD 85

Limits: 61-122

Analysis Name: Custom TPH with Ranges (soil)

Batch number: 101780000A

	Chlorobenzene	Orthoterphenyl
6017743	75	98
6017744	75	95
6017745	84	100
6017746	81	97
6017747	80	92
6017748	86	99
Blank	71	106
LCS	77	107
MS	72	106
MSD	76	104

Limits: 49-125

59-129

Analysis Name: Custom TPH with Ranges (soil)

Batch number: 101790009A

	Chlorobenzene	Orthoterphenyl
6017729	80	102
6017730	85	105
6017731	84	104
6017732	89	105
6017733	92	107
6017734	79	99
6017735	85	101
6017736	72	98
6017737	75	92
6017738	77	97
6017739	91	111
6017740	90	105
6017741	67	101
6017742	85	104
6017749	81	99
6017751	80	100
6017752	86	108
6017753	78	101
6017754	79	96
Blank	92	105
LCS	86	110
LCSD	88	110

Limits: 49-125

59-129

Analysis Name: Custom TPH with Ranges (soil)

Batch number: 101790010A

	Chlorobenzene	Orthoterphenyl
6017755	0*	0*

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 07/02/10 at 04:43 PM

Group Number: 1200632

### Surrogate Quality Control

6017756	84	103
6017757	90	106
6017758	83	105
Blank	94	105
DUP	0*	0*
LCS	90	113
MS	0*	0*

---

Limits: 49-125 59-129

Analysis Name: Custom TPH with Ranges (soil)

Batch number: 101820001A

Chlorobenzene	Orthoterphenyl
---------------	----------------

---

6017750	97	101
Blank	101	104
LCS	98	111
LCSD	98	115

---

Limits: 49-125 59-129

\*- Outside of specification

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

# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 12118 Group # 1200632 Sample # 6017729-58 **COC #** 213058 1 of 5

Please print. Instructions on reverse side correspond with circled numbers.

<b>1</b> Client: <u>Earth Fax</u> Acct. #: _____ Project Name/#: <u>UL1300</u> PWSID #: _____ Project Manager: <u>Gww</u> P.O.#: _____ Sampler: <u>SM</u> Quote #: _____ Name of state where samples were collected: <u>UT</u>				<b>4</b> Matrix: _____ <input type="checkbox"/> Potable <input type="checkbox"/> Check if Applicable <input type="checkbox"/> NPDES <input type="checkbox"/>				<b>5</b> Analyses Requested Preservation Codes H=HCl T=Thiosulfate N=HNO <sub>3</sub> B=NaOH S=H <sub>2</sub> SO <sub>4</sub> O=Other					<b>6</b> Temperature of samples upon receipt (if requested)	
Sample Identification			Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks			
BH6, 6'-7'			6/23/10	9:50	X		X			1	X	X	X	
BH6, 8'-9'			6/23/10	10:00	X		X			1	X	X	X	
BH7, 5-6'			6/23/10	10:30	X		X			1	X	X	X	
BH7, 8-9'			6/23/10	10:40	X		X			1	X	X	X	
BH5, 6.5-7 ft				11:30	X		X			1	X	X	X	
BH5, 9-9.5 ft				12:11	X		X			1	X	X	X	
BH5, 12-12.5 ft				12:25	X		X			1	X	X	X	
BH5, 15.5-16 ft				12:28	X		X			1	X	X	X	
BH3, 0.5-1.5 ft				13:01	X		X			1	X	X	X	
BH3, 4.5-5.5 ft				13:12	X		X			1	X	X	X	

<b>7</b> Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: <u>ASAP</u> Rush results requested by (please circle): Phone Fax <u>E-mail</u> Phone #: _____ Fax #: _____ E-mail address: <u>gwilliams@earthfax.com</u>				Relinquished by: <u>Gww</u> Date: <u>6/23/10</u> Time: <u>20:02</u>		Received by: <u>[Signature]</u> Date: <u>6/24/10</u> Time: <u>20:03</u>			
<b>8</b> Data Package Options (please circle if required) Type I (validation/NJ Reg) TX TRRP-13 Type II (Tier II) MA MCP CT RCP Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) (if yes, indicate QC sample and submit trip/loss volume) Type VI (Raw Data Only) Internal COC Required? Yes / No				Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Relinquished by: _____ Date: _____ Time: _____				Received by: _____ Date: _____ Time: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: <u>Katie Hawthorne</u> Date: <u>6/24/10</u> Time: <u>9:30</u>	

# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 12118 Group# 200632 Sample # 6017729-58 **COC #** 213039 2 of 5

Please print. Instructions on reverse side correspond with circled numbers.

<p><b>1</b> Client: <u>EarthFax</u> Acct. #: _____</p> <p>Project Name/#: <u>UL 1300</u> PWSID #: _____</p> <p>Project Manager: <u>GM</u> P.O.#: _____</p> <p>Sampler: <u>SM</u> Quote #: _____</p> <p>Name of state where samples were collected: <u>UT</u></p>				<p><b>4</b> Matrix</p> <p><input type="checkbox"/> Potable <input type="checkbox"/> Check if Applicable</p> <p><input type="checkbox"/> NPDES</p> <p><input type="checkbox"/> Other</p>				<p><b>5</b> Analyses Requested</p> <p>Preservation Codes</p>				<p>For Lab Use Only</p> <p>FSC: _____</p> <p>SCR#: _____</p> <p>Preservation Codes</p> <p>H=HCl T=Thiosulfate</p> <p>N=HNO<sub>3</sub> B=NaOH</p> <p>S=H<sub>2</sub>SO<sub>4</sub> O=Other</p>	
<p><b>2</b></p>		<p><b>3</b></p>		<p><b>4</b></p>		<p><b>5</b></p>		<p><b>6</b></p>					
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks	Temperature of samples upon receipt (if requested)			
BH3, 8-5-9.5 ft	6/23/10	13:20	✓		✓			1	BTEX-N 8260 TPH-D TPH-G				
BH3, 13-14 ft		13:30	✓		✓			1					
BH3, 17.5-18.5 ft		13:40	✓		✓			1					
BH3, 20.5-21.5 ft		13:50	✓		✓			1					
BH9, 0.5-1.5 ft		14:50	✓		✓			2					
BH9, 9-10 ft		15:00	✓		✓			2					
BH9, 13-14 ft		15:24	✓		✓			2					
BH8, 6-7 ft		16:00	✓		✓			2					
BH8, 9-10 ft		16:07	✓		✓			2					
BH8, 14-15 ft		16:16	✓		✓			2					

<p><b>7</b> Turnaround Time Requested (TAT) (please circle): Normal <u>RUSH</u></p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: <u>ASAP</u></p> <p>Rush results requested by (please circle): Phone Fax <u>E-mail</u></p> <p>Phone #: _____ Fax #: _____</p> <p>E-mail address: <u>gwilliams@earthfax.com</u></p>				<p>Relinquished by: <u>So. My</u></p> <p>Date: <u>6/24/10</u> Time: <u>20:02</u></p>		<p>Received by: <u>Chris ...</u></p> <p>Date: <u>6/24/10</u> Time: <u>20:03</u></p>	
<p><b>8</b> Data Package Options (please circle if required)</p> <p>Type I (validation/NJ Reg) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Type II (Tier II) <input type="checkbox"/> MA MCP <input type="checkbox"/> CT RCP</p> <p>Type III (Reduced NJ) <input type="checkbox"/> Site-specific QC (MS/MSD/Dup)? Yes <input type="checkbox"/> No</p> <p>Type IV (CLP SOW) <input type="checkbox"/> Internal COC Required? Yes <input type="checkbox"/> No</p> <p>Type VI (Raw Data Only) <input type="checkbox"/></p>				<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p>		<p>Received by: _____</p> <p>Date: _____ Time: _____</p>	
<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p>				<p>Received by: _____</p> <p>Date: _____ Time: _____</p>			
<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p>				<p>Received by: _____</p> <p>Date: _____ Time: _____</p>			



# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acc. # 12118 Group# 200632 Sample # 6017729-58 3 of 5  
**COC # 213042**

Please print. Instructions on reverse side correspond with circled numbers.

<b>1</b> Client: <u>Earth Fax</u> Acct. #: _____ Project Name#: <u>UL300</u> PWSID #: _____ Project Manager: <u>GM</u> P.O. #: _____ Sampler: <u>SM</u> Quote #: _____ Name of state where samples were collected: <u>UT</u>				<b>4</b> Matrix <input type="checkbox"/> Potable <input type="checkbox"/> Check if Applicable <input type="checkbox"/> NPDES <input type="checkbox"/> Other				<b>5</b> Analyses Requested Preservation Codes						For Lab Use Only FSC: _____ SCR#: _____ Preservation Codes H=HCl T=Thiosulfate N=HNO <sub>3</sub> B=NaOH S=H <sub>2</sub> SO <sub>4</sub> O=Other			
<b>2</b> Sample Identification				<b>3</b> Grab Composite		<b>4</b> Total # of Containers		<b>5</b> Analyses Requested						<b>6</b> Temperature of samples upon receipt (if requested)			
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX-N	TPH-O ext. range	TPH-O silica gel	Remarks					
BH 8, 16-17 ft	6/23/10	16:30	✓		✓			2	✓	✓	✓						
BH 1, 5.5-6.5 ft		17:46	✓					1	✓	✓	✓						
BH 1, 8-9 ft		17:52	✓					1	✓	✓	✓						
BH 1, 10-11 ft		17:55	✓					2	✓	✓	✓						
BH 1, 13.5-14.5 ft		18:05	✓					2	✓	✓	✓						
BH 1, 19-20 ft		18:10	✓					2	✓	✓	✓						
BH-10, <del>4.5-5.5</del> 0-3 ft		18:27		✓				2	✓	✓	✓						
BH-10, 4.5-5.5 ft		18:40	✓					2	✓	✓	✓						
BH-10, 9.5-10.5 ft		18:50	✓					2	✓	✓	✓						
BH-10, 15-16 ft		19:00	✓					2	✓	✓	✓						
<b>7</b> Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: <u>ASAP</u> Rush results requested by (please circle): Phone Fax <u>E-mail</u> Phone #: _____ Fax #: _____ E-mail address: <u>gwilliams@earthfax.com</u>				Relinquished by: <u>SM</u> Date: <u>6/23/10</u> Time: <u>20:02</u> Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____		Received by: <u>Paul Stocco</u> Date: <u>6/24/10</u> Time: <u>20:03</u> Received by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____											
<b>8</b> Data Package Options (please circle if required) Type I (validation/NJ Reg) TX TRRP-13 Type II (Tier II) MA MCP CT RCP Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) (If you indicate QC sample and submit replicate volume.) Type VI (Raw Data Only) Internal COC Required? Yes / No _____				SDG Complete? Yes No Yes No Yes No		Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: <u>Paul Stocco</u> Date: <u>6/26/10</u> Time: <u>9:30</u>											



## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

June 30, 2010

Project: Chevron Pipeline

Submittal Date: 06/26/2010  
Group Number: 1200633  
PO Number: UC1300.09  
Release Number: JEREGY  
State of Sample Origin: UT

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
BH2, 12-13' Grab Soil Sample	6017759
BH2, 14-15' Grab Soil Sample	6017760
BH2, 16-17' Grab Soil Sample	6017761
BH2, 17.5-18' Grab Soil Sample	6017762
BH4, 8-9' Grab Soil Sample	6017763
BH4, 10-11' Grab Soil Sample	6017764
BH4, 11.5-12.5' Grab Soil Sample	6017765
SS1, S. End Sand Grab Soil Sample	6017766
SS2, Central Sand Grab Soil Sample	6017767
SS3, North Sand Grab Soil Sample	6017768
South Pipe Bedding Grab Soil Sample	6017769

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

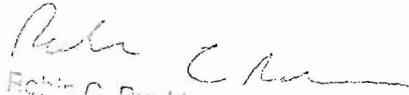
1 COPY TO Earthfax Engineering

Attn: Galen Williams



Questions? Contact your Client Services Representative  
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,

  
Robin C. Furkle  
Senior Specialist

# Analysis Report



Sample Description: BH2, 12-13' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017759  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 08:20 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 06/30/2010 16:46

7324 South Union Park

Discard: 07/31/2010

Midvale UT 84047

BH212

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			mg/kg	mg/kg	
10950	Benzene	71-43-2	6.6	0.24	485.44
10950	Ethylbenzene	100-41-4	11	0.49	485.44
10950	Naphthalene	91-20-3	4.1	0.49	485.44
10950	Toluene	108-88-3	65	0.49	485.44
10950	Xylene (Total)	1330-20-7	160	0.49	485.44
GC Volatiles			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	6,600	400	10070.49
GC Extractable TPH			mg/kg	mg/kg	
02729	>C12-C35	n.a.	9,300	80	20
02729	Total TPH	n.a.	9,300	80	20

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	Q101801AA	06/29/2010 23:16	Kerri E Koch	485.44
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:41	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34B	06/29/2010 21:55	Marie D John	10070.49
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:42	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 14:56	Heather E Williams	20
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH2, 14-15' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017760  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 08:25 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:46

Discard: 07/31/2010

BH214

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	SW-846 8260B		mg/kg	mg/kg	
10950	Benzene	71-43-2	0.066	0.0005	1.01
10950	Ethylbenzene	100-41-4	0.017	0.001	1.01
10950	Naphthalene	91-20-3	0.009	0.001	1.01
10950	Toluene	108-88-3	0.14	0.001	1.01
10950	Xylene (Total)	1330-20-7	0.26	0.001	1.01
<b>GC Volatiles</b>					
	SW-846 8015B modified		mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.9	2.1	52.03
<b>GC Extractable TPH</b>					
	SW-846 8015B modified		mg/kg	mg/kg	
02729	>C12-C35	n.a.	13	4.0	1
02729	Total TPH	n.a.	13	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 21:04	Chelsea B Eastep	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:45	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34B	06/29/2010 16:55	Carrie E Miller	52.03
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:45	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 06:15	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH2, 16-17' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017761  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 08:30 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 06/30/2010 16:46

7324 South Union Park

Discard: 07/31/2010

Midvale UT 84047

BH216

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>			mg/kg	mg/kg	
10950	Benzene	71-43-2	0.002	0.0005	0.97
10950	Ethylbenzene	100-41-4	0.007	0.001	0.97
10950	Naphthalene	91-20-3	0.010	0.001	0.97
10950	Toluene	108-88-3	0.027	0.001	0.97
10950	Xylene (Total)	1330-20-7	0.16	0.001	0.97
<b>GC Volatiles</b>			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.0	2.1	51.28
<b>GC Extractable TPH</b>			mg/kg	mg/kg	
02729	>C12-C35	n.a.	120	4.0	1
02729	Total TPH	n.a.	120	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 21:27	Chelsea B Eastep	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 14:48	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34B	06/29/2010 17:32	Carrie E Miller	51.28
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 14:49	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 06:40	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH2, 17.5-18' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017762  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 08:30 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 06/30/2010 16:46

7324 South Union Park

Discard: 07/31/2010

Midvale UT 84047

BH217

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	SW-846 8260B		mg/kg	mg/kg	
10950	Benzene	71-43-2	0.0006	0.0005	1.04
10950	Ethylbenzene	100-41-4	0.001	0.001	1.04
10950	Naphthalene	91-20-3	0.019	0.001	1.04
10950	Toluene	108-88-3	0.002	0.001	1.04
10950	Xylene (Total)	1330-20-7	0.029	0.001	1.04
<b>GC Volatiles</b>					
	SW-846 8015B modified		mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	6.2	2.0	50.76
<b>GC Extractable TPH</b>					
	SW-846 8015B modified		mg/kg	mg/kg	
02729	>C12-C35	n.a.	23	4.0	1
02729	Total TPH	n.a.	23	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010	21:49	Chelsea B Eastep	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010	16:24	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010	16:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010	14:53	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34B	06/29/2010	18:08	Carrie E Miller	50.76
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010	14:53	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010	07:06	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010	17:40	JoElla L Rice	1



Sample Description: BH4, 8-9' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017763  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 10:00 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/26/2010 09:30

Suite 100

Reported: 06/30/2010 16:46

7324 South Union Park

Discard: 07/31/2010

Midvale UT 84047

BH48-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	1
10950	Naphthalene	91-20-3	N.D.	0.001	1
10950	Toluene	108-88-3	N.D.	0.001	1
10950	Xylene (Total)	1330-20-7	0.002	0.001	1
GC Volatiles			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.41
GC Extractable TPH			mg/kg	mg/kg	
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 20:41	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:55	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010 12:39	Elizabeth J Marin	25.41
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:55	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 07:32	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1





Sample Description: BH4, 10-11' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017764  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 10:03 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:46

Discard: 07/31/2010

BH410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
		SW-846 8260B	mg/kg	mg/kg	
10950	Benzene	71-43-2	0.0008	0.0005	0.97
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10950	Naphthalene	91-20-3	N.D.	0.001	0.97
10950	Toluene	108-88-3	N.D.	0.001	0.97
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
<b>GC Volatiles</b>					
		SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.75
<b>GC Extractable TPH</b>					
		SW-846 8015B modified	mg/kg	mg/kg	
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010	22:12	Chelsea B Eastep	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010	16:20	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010	16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010	15:58	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010	13:16	Elizabeth J Marin	25.75
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010	15:59	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010	07:58	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010	17:40	JoElla L Rice	1

# Analysis Report



Sample Description: BH4, 11.5-12.5' Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017765  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 10:32 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 06/30/2010 16:46

Midvale UT 84047

Discard: 07/31/2010

BH411

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>			mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	1.05
10950	Ethylbenzene	100-41-4	N.D.	0.001	1.05
10950	Naphthalene	91-20-3	N.D.	0.001	1.05
10950	Toluene	108-88-3	N.D.	0.001	1.05
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1.05
<b>GC Volatiles</b>			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.3
<b>GC Extractable TPH</b>			mg/kg	mg/kg	
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 17:41	Chelsea B Eastep	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:20	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:02	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010 13:52	Elizabeth J Marin	25.3
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 16:03	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 08:23	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: SS1, S. End Sand Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017766  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 09:30 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:46

Discard: 07/31/2010

SS1SS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
10950	Benzene	71-43-2	N.D.	0.0005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	1
10950	Naphthalene	91-20-3	N.D.	0.001	1
10950	Toluene	108-88-3	N.D.	0.001	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1
<b>GC Volatiles</b>					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.41
<b>GC Extractable TPH</b>					
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 18:04	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:15	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010 14:29	Elizabeth J Marin	25.41
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:15	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 08:49	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: SS2, Central Sand Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017767  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 09:35 by SM

Chevron c/o Earthfax Eng.

Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 06/30/2010 16:46

Midvale UT 84047

Discard: 07/31/2010

SS2CS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>			mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	1.05
10950	Ethylbenzene	100-41-4	N.D.	0.001	1.05
10950	Naphthalene	91-20-3	N.D.	0.001	1.05
10950	Toluene	108-88-3	N.D.	0.001	1.05
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1.05
<b>GC Volatiles</b>			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	24.22
<b>GC Extractable TPH</b>			mg/kg	mg/kg	
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 18:26	Chelsea B Eastep	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:19	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34A	06/29/2010 15:06	Elizabeth J Marin	24.22
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:20	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 09:15	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: SS3, North Sand Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017768  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/24/2010 09:38 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 06/30/2010 16:46

Midvale UT 84047

Discard: 07/31/2010

SS3NS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	1
10950	Naphthalene	91-20-3	N.D.	0.001	1
10950	Toluene	108-88-3	N.D.	0.001	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1
GC	Volatiles	SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	24.13
GC	Extractable TPH	SW-846 8015B modified	mg/kg	mg/kg	
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 18:49	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:23	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10179A34B	06/29/2010 16:19	Carrie E Miller	24.13
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:23	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 09:41	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: South Pipe Bedding Grab Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017769  
LLI Group # 1200633  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/21/2010 13:30 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:46

Discard: 07/31/2010

SOUPB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	1.09
10950	Ethylbenzene	100-41-4	N.D.	0.001	1.09
10950	Naphthalene	91-20-3	N.D.	0.001	1.09
10950	Toluene	108-88-3	N.D.	0.001	1.09
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1.09
GC Volatiles			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	26.01
GC Extractable TPH			mg/kg	mg/kg	
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

**General Sample Comments**

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

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 19:12	Chelsea B Eastep	1.09
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 15:27	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10175A33B	06/29/2010 11:50	Elizabeth J Marin	26.01
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 15:27	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 10:06	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 06/30/10 at 04:46 PM

Group Number: 1200633

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	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B101801AA	Sample number(s): 6017760-6017769							
Benzene	N.D.	0.0005	mg/kg	113	114	80-120	1	30
Ethylbenzene	N.D.	0.001	mg/kg	107	107	80-120	0	30
Naphthalene	N.D.	0.001	mg/kg	98	88	59-123	10	30
Toluene	N.D.	0.001	mg/kg	110	110	80-120	0	30
Xylene (Total)	N.D.	0.001	mg/kg	108	107	80-120	1	30
Batch number: Q101801AA	Sample number(s): 6017759							
Benzene	N.D.	0.025	mg/kg	102	101	80-120	1	30
Ethylbenzene	N.D.	0.050	mg/kg	93	93	80-120	0	30
Naphthalene	N.D.	0.050	mg/kg	87	87	59-123	0	30
Toluene	N.D.	0.050	mg/kg	99	98	80-120	2	30
Xylene (Total)	N.D.	0.050	mg/kg	95	94	80-120	1	30
Batch number: 10175A33B	Sample number(s): 6017769							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	92	98	67-119	7	30
Batch number: 10179A34A	Sample number(s): 6017763-6017767							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	96	105	67-119	10	30
Batch number: 10179A34B	Sample number(s): 6017759-6017762, 6017768							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	96	105	67-119	10	30
Batch number: 101790010A	Sample number(s): 6017759-6017769							
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	97		72-125		

### 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	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: B101801AA	Sample number(s): 6017760-6017769 UNSPK: P017743								
Benzene	109		55-143						
Ethylbenzene	101		44-141						
Naphthalene	59		10-138						
Toluene	111		50-146						
Xylene (Total)	100		44-136						
Batch number: 101790010A	Sample number(s): 6017759-6017769 UNSPK: P017755 BKG: P017755								
>C12-C35						1,900	970	67*	20

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 06/30/10 at 04:46 PM

Group Number: 1200633

### 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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Total TPH	870 (2)		49-123			1,900	970	67*	20

### 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: VOCs by 8260B - Solid  
 Batch number: B101801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017760	96	99	102	99
6017761	99	106	100	99
6017762	100	104	99	99
6017763	103	111*	99	94
6017764	96	101	104	87
6017765	103	107	98	93
6017766	103	108	100	91
6017767	104	108	100	92
6017768	103	108	99	93
6017769	103	109	100	88
Blank	101	109	100	93
LCS	99	107	104	103
LCSD	98	105	104	103
MS	98	106	107	99
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid  
 Batch number: Q101801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017759	80	85	195*	144*
Blank	94	103	98	91
LCS	96	103	99	93
LCSD	95	101	98	92
Limits:	71-114	70-109	70-123	70-111

Analysis Name: TPH-GRO N. CA soil C6-C12  
 Batch number: 10175A33B

	Trifluorotoluene-F
6017769	74
Blank	80
LCS	75
LCSD	82
Limits:	61-122

\*- Outside of specification

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





## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 06/30/10 at 04:46 PM

Group Number: 1200633

### Surrogate Quality Control

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 10179A34A  
Trifluorotoluene-F

6017763	82
6017764	71
6017765	80
6017766	74
6017767	81
Blank	92
LCS	77
LCSD	85

Limits: 61-122

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 10179A34B  
Trifluorotoluene-F

6017759	120
6017760	81
6017761	82
6017762	91
6017768	77
Blank	85
LCS	77
LCSD	85

Limits: 61-122

Analysis Name: Custom TPH with Ranges (soil)  
Batch number: 101790010A

	Chlorobenzene	Orthoterphenyl
6017759	0*	0*
6017760	87	125
6017761	81	98
6017762	96	106
6017763	80	102
6017764	77	101
6017765	73	107
6017766	85	104
6017767	84	104
6017768	86	103
6017769	84	101
Blank	94	105
DUP	0*	0*
LCS	90	113
MS	0*	0*

Limits: 49-125                      59-129

\*- Outside of specification

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

# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only  
 Acct. # 12118 Group# 206633 Sample # 6017759-69

4 of 5  
**COC # 213043**

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only

FSC: \_\_\_\_\_  
 SCR#: \_\_\_\_\_

**Preservation Codes**  
 H=HCl      T=Thiosulfate  
 N=HNO<sub>3</sub>    B=NaOH  
 S=H<sub>2</sub>SO<sub>4</sub>   O=Other

1 Client: Earth Fax Acct. #: \_\_\_\_\_  
 Project Name/ #: UL 1300 PWSID #: \_\_\_\_\_  
 Project Manager: Gww P.O.#: \_\_\_\_\_  
 Sampler: SM Quote #: \_\_\_\_\_  
 Name of state where samples were collected: WI

5 Analyses Requested  
 Preservation Codes  
 Matrix 4  
 Total # of Containers  
BTEX-N 8260  
TPH-D 10-50  
TPH-G

2 Sample Identification	Date Collected	Time Collected	3				Total # of Containers	5			6	
			Grab	Composite	Soil	Water		Other	Preservation Codes			
BH2, 12-13 ft	6/24/10	8:20	✓		✓		1	✓				
BH2, 14-15 ft		8:25					1	✓				
BH2, 16-17 ft		8:30					1	✓				
BH2, 17.5-18 ft		8:30					1	✓				
BH4, 8-9 ft		10:00					2		✓			
BH4, 10-11 ft		10:03					2	✓				
BH4, 11.5-12.5 ft		10:32					2		✓			
SS1, Sand Sand		9:30					1	✓				South end
SS2, Central Sand		9:35					1		✓			Central
SS3, North Sand		9:38					1		✓			North

7 Turnaround Time Requested (TAT) (please circle): Normal Rush  
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)  
 Date results are needed: ASAP  
 Rush results requested by (please circle): Phone Fax E-mail  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 E-mail address: gwilliams@earthfax.com

Relinquished by:	Date	Time	Received by:	Date	Time
<u>Santmy</u>	<u>6/24/10</u>	<u>20:02</u>	<u>Christina</u>	<u>6/24/10</u>	<u>20:03</u>
			<u>Katie Hartline</u>	<u>6/26/10</u>	<u>9:30</u>

8 Data Package Options (please circle if required)      SDG Complete?  
 Type I (validation/NJ Reg)      TX TRRP-13      Yes    No  
 Type II (Tier II)                    MA MCP    CT RCP  
 Type III (Reduced NJ)            Site-specific QC (MS/MSD/Dup)? Yes    No  
 Type IV (CLP SOW)                (If yes, indicate QC sample and submit replicate volumes.)  
 Type VI (Raw Data Only)           Internal COC Required? Yes / No

# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 12118 Group# 1200633 Sample # 6017759-69

5 of 5  
**COC #** 213044

Please print. Instructions on reverse side correspond with circled numbers.

<p><b>1</b> Client: <u>Earth Fax</u> Acct. #: _____</p> <p>Project Name#: <u>UL 1300</u> PWSID #: _____</p> <p>Project Manager: <u>G</u> P.O.#: _____</p> <p>Sampler: <u>SM/KB</u> Quote #: _____</p> <p>Name of state where samples were collected: <u>VT</u></p>				<p><b>4</b> Matrix</p> <p><input type="checkbox"/> Potable <input type="checkbox"/> Check if Applicable</p> <p><input type="checkbox"/> NPDES</p>		<p><b>5</b> Analyses Requested</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="10">Preservation Codes</th> </tr> </thead> <tbody> <tr> <td style="width: 10%;">BTEX-N</td> <td style="width: 10%;">8260</td> <td style="width: 10%;">ext. range</td> <td style="width: 10%;">TPH-D</td> <td style="width: 10%;">silica gel</td> <td style="width: 10%;">TPH-G</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </tbody> </table>										Preservation Codes										BTEX-N	8260	ext. range	TPH-D	silica gel	TPH-G						<p>For Lab Use Only</p> <p>FSC: _____</p> <p>SCR#: _____</p> <p>Preservation Codes</p> <p>H=HCl T=Thiosulfate</p> <p>N=HNO<sub>3</sub> B=NaOH</p> <p>S=H<sub>2</sub>SO<sub>4</sub> O=Other</p>														
Preservation Codes																																																			
BTEX-N	8260	ext. range	TPH-D	silica gel	TPH-G																																														
<p><b>2</b> Sample Identification</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> <th>Grab</th> <th>Composite</th> <th>Soil</th> <th>Water</th> <th>Other</th> <th>Total # of Containers</th> <th colspan="10"></th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td><u>South Pipe Bedding</u></td> <td><u>6/21/10</u></td> <td><u>13:30</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td></td> </tr> </tbody> </table>			Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers											Remarks	<u>South Pipe Bedding</u>	<u>6/21/10</u>	<u>13:30</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<p><b>3</b> Grab Composite</p>		<p><b>6</b> Temperature of samples upon receipt (if requested)</p>	
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers											Remarks																																
<u>South Pipe Bedding</u>	<u>6/21/10</u>	<u>13:30</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
<p><b>7</b> Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u></p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: <u>ASAP</u></p> <p>Rush results requested by (please circle): Phone Fax <u>E-mail</u></p> <p>Phone #: _____ Fax #: _____</p> <p>E-mail address: <u>gwilliams@earthfax.com</u></p>				<p>Relinquished by: <u>[Signature]</u> Date: <u>6/24/10</u> Time: <u>20:02</u> Received by: <u>[Signature]</u> Date: <u>6/24/10</u> Time: <u>20:03</u></p> <p>Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____</p> <p>Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____</p> <p>Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____</p> <p>Relinquished by: _____ Date: _____ Time: _____ Received by: <u>Kate Nantere</u> Date: <u>6/26/10</u> Time: <u>9:30</u></p>		<p><b>9</b></p>																																													
<p><b>8</b> Data Package Options (please circle if required)</p> <p>Type I (validation/NJ Reg) TX TRRP-13 Yes No</p> <p>Type II (Tier II) MA MCP CT RCP</p> <p>Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No</p> <p>Type IV (CLP SOW) <small>(if yes, indicate QC sample and submit to please volume)</small></p> <p>Type VI (Raw Data Only) Internal COC Required? Yes / No _____</p>				<p>SDG Complete? Yes No</p>																																															



## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

June 30, 2010

Project: Chevron Pipeline

Submittal Date: 06/26/2010  
Group Number: 1200634  
PO Number: UC1300.09  
Release Number: JEREGY  
State of Sample Origin: UT

### Client Sample Description

BH-11, 0-3' Composite Soil Sample  
BH-11, 3-6' Composite Soil Sample  
BH-11, 6-9' Composite Soil Sample  
BH-11, 9-12' Composite Soil Sample

### Lancaster Labs (LLI) #

6017770  
6017771  
6017772  
6017773

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

1 COPY TO Earthfax Engineering

Attn: Galen Williams

Questions? Contact your Client Services Representative  
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,

A handwritten signature in cursive script that reads "Tracy A. Cole".

Tracy A. Cole  
Senior Specialist



Sample Description: BH-11, 0-3' Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017770  
LLI Group # 1200634  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/25/2010 08:30 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:52

Discard: 07/31/2010

CB110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	
10950	Benzene	71-43-2	0.048	0.025	49.21
10950	Ethylbenzene	100-41-4	0.76	0.049	49.21
10950	Naphthalene	91-20-3	0.92	0.049	49.21
10950	Toluene	108-88-3	0.93	0.049	49.21
10950	Xylene (Total)	1330-20-7	5.8	0.049	49.21
GC	Volatiles	SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	410	38	960.61
GC	Extractable TPH	SW-846 8015B modified	mg/kg	mg/kg	
02729	>C12-C35	n.a.	2,800	80	20
02729	Total TPH	n.a.	2,800	80	20

### General Sample Comments

The temperature of the sample bottle(s) upon receipt at the lab was 6.2 - 8.9 C using an IR thermometer.

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	Q101801AA	06/29/2010 15:17	Kerri E Koch	49.21
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:06	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10175A33B	06/29/2010 14:18	Elizabeth J Marin	960.61
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 16:07	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 14:30	Heather E Williams	20
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH-11, 3-6' Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017771  
LLI Group # 1200634  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/25/2010 08:45 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:52

Discard: 07/31/2010

CB113

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	SW-846 8260B		mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	0.99
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.99
10950	Naphthalene	91-20-3	0.001	0.001	0.99
10950	Toluene	108-88-3	N.D.	0.001	0.99
10950	Xylene (Total)	1330-20-7	0.002	0.001	0.99
<b>GC Volatiles</b>					
	SW-846 8015B modified		mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.7	1.0	25.38
<b>GC Extractable TPH</b>					
	SW-846 8015B modified		mg/kg	mg/kg	
02729	>C12-C35	n.a.	36	4.0	1
02729	Total TPH	n.a.	36	4.0	1

### General Sample Comments

The temperature of the sample bottle(s) upon receipt at the lab was 6.2 - 8.9 C using an IR thermometer.

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 19:34	Chelsea B Eastep	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:20	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:10	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10175A33B	06/29/2010 12:27	Elizabeth J Marin	25.38
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 16:11	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 11:24	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH-11, 6-9' Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017772  
LLI Group # 1200634  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/25/2010 08:55 by SM Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/26/2010 09:30

Reported: 06/30/2010 16:52

Discard: 07/31/2010

CB116

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	
10950	Benzene	71-43-2	N.D.	0.0005	0.96
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.96
10950	Naphthalene	91-20-3	0.002	0.001	0.96
10950	Toluene	108-88-3	N.D.	0.001	0.96
10950	Xylene (Total)	1330-20-7	0.002	0.001	0.96
GC	Volatiles	SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.03
GC	Extractable TPH	SW-846 8015B modified	mg/kg	mg/kg	
02729	>C12-C35	n.a.	14	4.0	1
02729	Total TPH	n.a.	14	4.0	1

### General Sample Comments

The temperature of the sample bottle(s) upon receipt at the lab was 6.2 - 8.9 C using an IR thermometer.

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101801AA	06/29/2010 19:56	Chelsea B Eastep	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:13	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10175A33B	06/29/2010 13:04	Elizabeth J Marin	25.03
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 16:14	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 10:32	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1



Sample Description: BH-11, 9-12' Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6017773  
LLI Group # 1200634  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/25/2010 09:09 by SM

Chevron c/o Earthfax Eng.

Suite 100

Submitted: 06/26/2010 09:30

7324 South Union Park

Reported: 06/30/2010 16:52

Midvale UT 84047

Discard: 07/31/2010

CB119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
10950	Benzene	71-43-2	N.D.	0.0005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	1
10950	Naphthalene	91-20-3	N.D.	0.001	1
10950	Toluene	108-88-3	N.D.	0.001	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1
<b>GC Volatiles</b>					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	25.38
<b>GC Extractable TPH</b>					
02729	>C12-C35	n.a.	N.D.	4.0	1
02729	Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

The temperature of the sample bottle(s) upon receipt at the lab was 6.2 - 8.9 C using an 1R thermometer.

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 04:12	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201017921553	06/28/2010 16:20	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201017921553	06/28/2010 16:17	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10175A33B	06/29/2010 13:41	Elizabeth J Marin	25.38
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201017921553	06/28/2010 16:17	Larry E Bevins	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101790010A	06/30/2010 10:58	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101790010A	06/28/2010 17:40	JoElla L Rice	1





## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 06/30/10 at 04:52 PM

Group Number: 1200634

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	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A101811AA	Sample number(s): 6017773							
Benzene	N.D.	0.0005	mg/kg	115	113	80-120	2	30
Ethylbenzene	N.D.	0.001	mg/kg	115	112	80-120	3	30
Naphthalene	N.D.	0.001	mg/kg	111	102	59-123	9	30
Toluene	N.D.	0.001	mg/kg	113	111	80-120	2	30
Xylene (Total)	N.D.	0.001	mg/kg	111	108	80-120	2	30
Batch number: B101801AA	Sample number(s): 6017771-6017772							
Benzene	N.D.	0.0005	mg/kg	113	114	80-120	1	30
Ethylbenzene	N.D.	0.001	mg/kg	107	107	80-120	0	30
Naphthalene	N.D.	0.001	mg/kg	98	88	59-123	10	30
Toluene	N.D.	0.001	mg/kg	110	110	80-120	0	30
Xylene (Total)	N.D.	0.001	mg/kg	108	107	80-120	1	30
Batch number: Q101801AA	Sample number(s): 6017770							
Benzene	N.D.	0.025	mg/kg	102	101	80-120	1	30
Ethylbenzene	N.D.	0.050	mg/kg	93	93	80-120	0	30
Naphthalene	N.D.	0.050	mg/kg	87	87	59-123	0	30
Toluene	N.D.	0.050	mg/kg	99	98	80-120	2	30
Xylene (Total)	N.D.	0.050	mg/kg	95	94	80-120	1	30
Batch number: 10175A33B	Sample number(s): 6017770-6017773							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	92	98	67-119	7	30
Batch number: 101790010A	Sample number(s): 6017770-6017773							
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	97		72-125		

### 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	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: A101811AA	Sample number(s): 6017773 UNSPK: 6017773								
Benzene	111		55-143						
Ethylbenzene	115		44-141						
Naphthalene	60		10-138						
Toluene	115		50-146						
Xylene (Total)	109		44-136						
Batch number: B101801AA	Sample number(s): 6017771-6017772 UNSPK: P017743								

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 06/30/10 at 04:52 PM

Group Number: 1200634

### 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	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	109		55-143						
Ethylbenzene	101		44-141						
Napthalene	59		10-138						
Toluene	111		50-146						
Xylene (Total)	100		44-136						
Batch number: 101790010A      Sample number(s): 6017770-6017773 UNSPK: P017755 BKG: P017755									
>C12-C35						1,900	970	67*	20
Total TPH	870 (2)		49-123			1,900	970	67*	20

### 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: VOCs by 8260B - Solid  
 Batch number: A101811AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017773	101	104	106	94
Blank	101	109	103	98
LCS	101	105	105	103
LCS D	99	99	105	102
MS	97	96	109	95
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid  
 Batch number: B101801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017771	104	106	97	95
6017772	102	106	99	94
Blank	101	109	100	93
LCS	99	107	104	103
LCS D	98	105	104	103
MS	98	106	107	99
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid  
 Batch number: Q101801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6017770	78	86	86	82
Blank	94	103	98	91
LCS	96	103	99	93
LCS D	95	101	98	92
Limits:	71-114	70-109	70-123	70-111

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 06/30/10 at 04:52 PM

Group Number: 1200634

### Surrogate Quality Control

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 10175A33B  
Trifluorotoluene-F

6017770	111
6017771	71
6017772	77
6017773	72
Blank	80
LCS	75
LCSD	82

Limits: 61-122

Analysis Name: Custom TPH with Ranges (soil)  
Batch number: 101790010A

	Chlorobenzene	Orthoterphenyl
6017770	0*	0*
6017771	79	98
6017772	78	112
6017773	67	95
Blank	94	105
DUP	0*	0*
LCS	90	113
MS	0*	0*

Limits: 49-125                      59-129

\*- Outside of specification

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

# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 12118 Group# 1200634 Sample # 6017770-73 **COC #** 213261

Please print. Instructions on reverse side correspond with circled numbers.

<p>1 Client: <u>EarthFax</u> Acct. #: _____</p> <p>Project Name/#: <u>UC 1300</u> PWSID #: _____</p> <p>Project Manager: <u>6ww</u> P.O.#: _____</p> <p>Sampler: <u>SM</u> Quote #: _____</p> <p>Name of state where samples were collected: <u>VT</u></p>				Matrix		5 Analyses Requested					For Lab Use Only			
				4		Preservation Codes					FSC: _____		<p>6</p> <p>Temperature of samples upon receipt (if requested)</p>	
2				3										
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers				Remarks	
<u>BH-11, 0-3 ft</u>		<u>6/25/10</u>	<u>8:30</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>2</u>	<u>DTEX-N 8260</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>BH-11, 3-6 ft</u>		<u> </u>	<u>8:45</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>2</u>	<u>TPH-D 5/10/961</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>BH-11, 6-9 ft</u>		<u> </u>	<u>8:55</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>2</u>	<u>TPH-G</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>BH-11, 9-12 ft</u>		<u> </u>	<u>9:09</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>2</u>		<u>X</u>	<u>X</u>	<u>X</u>	
<p>7 Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u></p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: <u>ASAP</u></p> <p>Rush results requested by (please circle): Phone Fax <u>E-mail</u></p> <p>Phone #: _____ Fax #: _____</p> <p>E-mail address: <u>gwilliams@earthfax.com</u></p>				<p>Relinquished by: <u>[Signature]</u></p> <p>Date: <u>6/25/10</u> Time: <u>18:05</u></p> <p>Received by: <u>[Signature]</u></p> <p>Date: <u>6/25/10</u> Time: <u>18:05</u></p>			<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p> <p>Received by: _____</p> <p>Date: _____ Time: _____</p>		<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p> <p>Received by: _____</p> <p>Date: _____ Time: _____</p>		<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p> <p>Received by: _____</p> <p>Date: _____ Time: _____</p>		<p>Relinquished by: _____</p> <p>Date: _____ Time: _____</p> <p>Received by: <u>Katie Klutner</u></p> <p>Date: <u>6/26/10</u> Time: <u>9:30</u></p>	
<p>8 Data Package Options (please circle if required)</p> <p>Type I (validation/NJ Reg) TX TRRP-13 Yes No</p> <p>Type II (Tier II) MA MCP CT RCP Yes No</p> <p>Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No</p> <p>Type IV (CLP SOW) (If yes, indicate QC sample and submit duplicate volume.)</p> <p>Type VI (Raw Data Only) Internal COC Required? Yes / No _____</p>														

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766  
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Fedex 869514361623



## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

July 01, 2010

Project: Chevron Pipeline

Submittal Date: 06/29/2010

Group Number: 1200779

PO Number: UC1300.09

State of Sample Origin: UT

### Client Sample Description

BH-12 Sand Comp @ Wires Composite Soil Sample  
BH-12, 0-2 ft Composite Soil Sample  
BH-12, 2-4 ft Composite Soil Sample  
BH-13, Sand Comp @ Wires Composite Soil Sample  
BH-13, 0-2 ft Composite Soil Sample  
BH-13, 2-4 ft Composite Soil Sample  
BH-14, Sand Comp @ 4 Wires Composite Soil Sample  
BH-14, 0-2 ft Composite Soil Sample  
BH-14, 2-4 ft Composite Soil Sample  
BH-15, Sand Comp @ 2 Wires E Composite Soil Sample  
BH-15, 0-2 ft Composite Soil Sample  
BH-15, 2-4 ft Composite Soil Sample

### Lancaster Labs (LLI) #

6018496  
6018497  
6018498  
6018499  
6018500  
6018501  
6018501  
6018502  
6018503  
6018504  
6018504  
6018505  
6018506  
6018507

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

1 COPY TO Earthfax Engineering

Attn: Galen Williams



Questions? Contact your Client Services Representative  
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Valerie L. Tomayko".

Valerie L. Tomayko  
Group Leader



Sample Description: BH-12 Sand Comp @ Wires Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018496  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 10:10 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/29/2010 09:40

Reported: 07/01/2010 15:37

Discard: 08/01/2010

BH12S

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	N.D.	0.0005
10950	Ethylbenzene	100-41-4	N.D.	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	N.D.	0.001
10950	Xylene (Total)	1330-20-7	N.D.	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	4.0
02729	Total TPH	n.a.	N.D.	4.0

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 12:06	Holly Berry	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 19:35	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 05:19	Marie D John	25.15
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 19:38	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 16:39	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-12, 0-2 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018497  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 10:55 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/29/2010 09:40

7324 South Union Park

Reported: 07/01/2010 15:37

Midvale UT 84047

Discard: 08/01/2010

BH120

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>		<b>SW-846 8260B</b>	<b>mg/kg</b>	
10950	Benzene	71-43-2	0.003	1.02
10950	Ethylbenzene	100-41-4	N.D.	1.02
10950	Naphthalene	91-20-3	N.D.	1.02
10950	Toluene	108-88-3	0.003	1.02
10950	Xylene (Total)	1330-20-7	0.001	1.02
<b>GC Volatiles</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	24.37
<b>GC Extractable TPH</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	
02729	>C12-C35	n.a.	6.0	1
02729	Total TPH	n.a.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 11:43	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 19:46	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 07:44	Marie D John	24.37
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 19:46	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 18:28	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Forcman	1





Sample Description: BH-12, 2-4 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018498  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 11:13 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/29/2010 09:40

Suite 100

Reported: 07/01/2010 15:37

7324 South Union Park

Discard: 08/01/2010

Midvale UT 84047

BH122

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg N.D.	mg/kg 0.0005	1
10950 Ethylbenzene	100-41-4	N.D.	0.001	1
10950 Naphthalene	91-20-3	N.D.	0.001	1
10950 Toluene	108-88-3	N.D.	0.001	1
10950 Xylene (Total)	1330-20-7	N.D.	0.001	1
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1	23.99
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 4.0	1
02729 Total TPH	n.a.	N.D.	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 07:59	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 19:50	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 11:19	Marie D John	23.99
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 19:52	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 18:54	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-13, Sand Comp @ Wires Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018499  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 11:34 by SM  
Submitted: 06/29/2010 09:40  
Reported: 07/01/2010 15:37  
Discard: 08/01/2010

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

BH13S

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	N.D.	1
10950	Ethylbenzene	100-41-4	N.D.	1
10950	Naphthalene	91-20-3	N.D.	1
10950	Toluene	108-88-3	N.D.	1
10950	Xylene (Total)	1330-20-7	N.D.	1
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	24.75
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	N.D.	1
02729	Total TPH	n.a.	N.D.	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 08:22	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 19:56	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 05:55	Marie D John	24.75
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 19:57	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 19:20	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-13, 0-2 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018500  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 11:56 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/29/2010 09:40

Suite 100

Reported: 07/01/2010 15:37

7324 South Union Park

Discard: 08/01/2010

Midvale UT 84047

BH130

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor	
<b>GC/MS Volatiles</b>					
10950	Benzene	71-43-2	0.006	0.0005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	1
10950	Naphthalene	91-20-3	N.D.	0.001	1
10950	Toluene	108-88-3	0.003	0.001	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	1
<b>GC Volatiles</b>					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	10	249
Due to excessive foaming of the sample, normal reporting limits were not attained.					
<b>GC Extractable TPH</b>					
02729	>C12-C35	n.a.	4.4	4.0	1
02729	Total TPH	n.a.	4.4	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 08:45	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:10	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 19:59	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 12:04	Marie D John	249
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:00	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 19:46	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-13, 2-4 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018501  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 12:15 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/29/2010 09:40

7324 South Union Park

Reported: 07/01/2010 15:37

Midvale UT 84047

Discard: 08/01/2010

BH132

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.002	1.01
10950	Ethylbenzene	100-41-4	N.D.	1.01
10950	Naphthalene	91-20-3	N.D.	1.01
10950	Toluene	108-88-3	0.001	1.01
10950	Xylene (Total)	1330-20-7	N.D.	1.01
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	23.76
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	10	1
02729	Total TPH	n.a.	10	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 09:30	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:05	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 08:21	Marie D John	23.76
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:05	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 20:12	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-14, Sand Comp @ 4 Wires Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018502  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 13:33 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/29/2010 09:40

Suite 100

Reported: 07/01/2010 15:37

7324 South Union Park

Discard: 08/01/2010

Midvale UT 84047

BH14S

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg N.D.	mg/kg 0.0005	0.97
10950 Ethylbenzene	100-41-4	N.D.	0.001	0.97
10950 Naphthalene	91-20-3	N.D.	0.001	0.97
10950 Toluene	108-88-3	N.D.	0.001	0.97
10950 Xylene (Total)	1330-20-7	N.D.	0.001	0.97
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1	24.22
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg 4.7	mg/kg 4.0	1
02729 Total TPH	n.a.	4.7	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 09:52	Holly Berry	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:08	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 06:32	Marie D John	24.22
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:09	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 20:37	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-14, 0-2 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018503  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 13:50 by SM

Chevron c/o Earthfax Eng.  
Suite 100

Submitted: 06/29/2010 09:40

7324 South Union Park

Reported: 07/01/2010 15:37

Midvale UT 84047

Discard: 08/01/2010

BH140

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.002	1.02
10950	Ethylbenzene	100-41-4	N.D.	1.02
10950	Naphthalene	91-20-3	N.D.	1.02
10950	Toluene	108-88-3	0.004	1.02
10950	Xylene (Total)	1330-20-7	0.006	1.02
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	24.22
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	5.8	1
02729	Total TPH	n.a.	5.8	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 10:14	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:13	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 10:05	Marie D John	24.22
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:14	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 21:04	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-14, 2-4 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018504  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 14:23 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/29/2010 09:40

Reported: 07/01/2010 15:37

Discard: 08/01/2010

BH142

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.0006	0.96
10950	Ethylbenzene	100-41-4	N.D.	0.96
10950	Naphthalene	91-20-3	N.D.	0.96
10950	Toluene	108-88-3	N.D.	0.96
10950	Xylene (Total)	1330-20-7	N.D.	0.96
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	23.99
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	5.1	1
02729	Total TPH	n.a.	5.1	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 10:36	Holly Berry	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:17	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 10:41	Marie D John	23.99
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:18	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 21:30	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-15, Sand Comp @ 2 Wires E Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018505  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 14:50 by SM

Chevron c/o Earthfax Eng.

Suite 100

Submitted: 06/29/2010 09:40

7324 South Union Park

Reported: 07/01/2010 15:37

Midvale UT 84047

Discard: 08/01/2010

BH15S

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	SW-846 8260B	mg/kg	
10950	Ethylbenzene	71-43-2	0.001	1.02
10950	Naphthalene	100-41-4	N.D.	1.02
10950	Toluene	91-20-3	0.003	1.02
10950	Xylene (Total)	108-88-3	0.003	1.02
		1330-20-7	0.01	1.02
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.4	23.85
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	8.0	1
02729	Total TPH	n.a.	8.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 10:59	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:44	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 07:08	Marie D John	23.85
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:45	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 21:56	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1





Sample Description: BH-15, 0-2 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018506  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 14:57 by SM

Chevron c/o Earthfax Eng.

Submitted: 06/29/2010 09:40

Suite 100

Reported: 07/01/2010 15:37

7324 South Union Park

Discard: 08/01/2010

Midvale UT 84047

BH150

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950	Benzene	71-43-2	0.042	0.0005
10950	Ethylbenzene	100-41-4	0.01	0.001
10950	Naphthalene	91-20-3	N.D.	0.001
10950	Toluene	108-88-3	0.18	0.001
10950	Xylene (Total)	1330-20-7	0.14	0.001
<b>GC Volatiles</b>				
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.5	1
<b>GC Extractable TPH</b>				
02729	>C12-C35	n.a.	7.5	4.0
02729	Total TPH	n.a.	7.5	4.0

**General Sample Comments**

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

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	A101811AA	06/30/2010 11:21	Holly Berry	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:48	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 02:16	Marie D John	24.27
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:49	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 22:22	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



Sample Description: BH-15, 2-4 ft Composite Soil Sample  
Chevron Pipeline

LLI Sample # SW 6018507  
LLI Group # 1200779  
Account # 12118

Project Name: Chevron Pipeline

Collected: 06/26/2010 15:09 by SM

Chevron c/o Earthfax Eng.  
Suite 100  
7324 South Union Park  
Midvale UT 84047

Submitted: 06/29/2010 09:40

Reported: 07/01/2010 15:37

Discard: 08/01/2010

BH152

CAT No.	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>				
10950 Benzene	SW-846 8260B 71-43-2	mg/kg 0.025	mg/kg 0.0005	1.02
10950 Ethylbenzene	100-41-4	0.006	0.001	1.02
10950 Naphthalene	91-20-3	N.D.	0.001	1.02
10950 Toluene	108-88-3	0.098	0.001	1.02
10950 Xylene (Total)	1330-20-7	0.077	0.001	1.02
<b>GC Volatiles</b>				
01725 TPH-GRO N. CA soil C6-C12	SW-846 8015B modified n.a.	mg/kg N.D.	mg/kg 1	23.83
<b>GC Extractable TPH</b>				
02729 >C12-C35	SW-846 8015B modified n.a.	mg/kg 4.5	mg/kg 4.0	1
02729 Total TPH	n.a.	4.5	4.0	1

### General Sample Comments

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	8260 BTEX-N (soil)	SW-846 8260B	1	B101811AA	06/30/2010 20:44	Chelsea B Eastep	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 21:12	Scott W Freisher	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201018021572	06/29/2010 21:11	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201018021572	06/29/2010 20:52	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10181A34A	07/01/2010 12:50	Marie D John	23.83
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201018021572	06/29/2010 20:53	Scott W Freisher	n.a.
02729	Custom TPH with Ranges (soil)	SW-846 8015B modified	1	101800016A	06/30/2010 22:48	Heather E Williams	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	101800016A	06/29/2010 23:10	Patricia L Foreman	1



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 07/01/10 at 03:37 PM

Group Number: 1200779

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	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A101811AA	Sample number(s): 6018496-6018506							
Benzene	N.D.	0.0005	mg/kg	115	113	80-120	2	30
Ethylbenzene	N.D.	0.001	mg/kg	115	112	80-120	3	30
Naphthalene	N.D.	0.001	mg/kg	111	102	59-123	9	30
Toluene	N.D.	0.001	mg/kg	113	111	80-120	2	30
Xylene (Total)	N.D.	0.001	mg/kg	111	108	80-120	2	30
Batch number: B101811AA	Sample number(s): 6018507							
Benzene	N.D.	0.0005	mg/kg	116	119	80-120	3	30
Ethylbenzene	N.D.	0.001	mg/kg	107	112	80-120	5	30
Naphthalene	N.D.	0.001	mg/kg	88	102	59-123	15	30
Toluene	N.D.	0.001	mg/kg	111	114	80-120	3	30
Xylene (Total)	N.D.	0.001	mg/kg	108	112	80-120	4	30
Batch number: 10181A34A	Sample number(s): 6018496-6018507							
TPH-GRO N. CA soil C6-C12	N.D.	1.0	mg/kg	103	115	67-119	11	30
Batch number: 101800016A	Sample number(s): 6018496-6018507							
>C12-C35	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	81		72-125		

### 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	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: A101811AA	Sample number(s): 6018496-6018506 UNSPK: P017773								
Benzene	111		55-143						
Ethylbenzene	115		44-141						
Naphthalene	60		10-138						
Toluene	115		50-146						
Xylene (Total)	109		44-136						
Batch number: B101811AA	Sample number(s): 6018507 UNSPK: P016844								
Benzene	136		55-143						
Ethylbenzene	142*		44-141						
Naphthalene	89		10-138						
Toluene	144		50-146						
Xylene (Total)	224*		44-136						
Batch number: 101800016A	Sample number(s): 6018496-6018507 UNSPK: 6018496 BKG: 6018496								

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
 Reported: 07/01/10 at 03:37 PM

Group Number: 1200779

### 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	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
>C12-C35						N.D.	12	200* (1)	20
Total TPH	85		49-123			N.D.	12	200* (1)	20

### 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: VOCs by 8260B - Solid  
 Batch number: A101811AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6018496	98	96	104	95
6018497	96	97	110	87
6018498	98	100	110	91
6018499	99	101	103	96
6018500	96	97	114	85
6018501	98	99	107	91
6018502	99	99	105	96
6018503	98	100	111	89
6018504	99	102	107	93
6018505	99	99	104	101
6018506	95	97	116	91
Blank	101	109	103	98
LCS	101	105	105	103
LCSD	99	99	105	102
MS	97	96	109	95
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid  
 Batch number: B101811AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6018507	99	102	107	88
Blank	103	108	99	90
LCS	99	106	104	103
LCSD	99	104	104	104
MS	97	104	103	100
Limits:	71-114	70-109	70-123	70-111

Analysis Name: TPH-GRO N. CA soil C6-C12  
 Batch number: 10181A34A  
 Trifluorotoluene-F

6018496	77
6018497	73
6018498	73
6018499	72

\*- Outside of specification

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



## Quality Control Summary

Client Name: Chevron c/o Earthfax Eng.  
Reported: 07/01/10 at 03:37 PM

Group Number: 1200779

### Surrogate Quality Control

6018500	90
6018501	76
6018502	72
6018503	74
6018504	71
6018505	74
6018506	75
6018507	73
Blank	81
LCS	78
LCS D	84

---

Limits: 61-122

Analysis Name: Custom TPH with Ranges (soil)  
Batch number: 101800016A

	Chlorobenzene	Orthoterphenyl
6018496	82	96
6018497	76	88
6018498	65	84
6018499	80	91
6018500	71	90
6018501	60	87
6018502	78	89
6018503	75	88
6018504	72	93
6018505	59	98
6018506	61	72
6018507	57	88
Blank	79	95
DUP	88	97
LCS	83	100
MS	83	100

---

Limits: 49-125 59-129

\*- Outside of specification

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

# Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 12118 Group# 1200779 Sample # 6018496-507 **COC #** 213353 1 of 1

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: <u>EarthFax</u> Acct. #: _____ Project Name/#: <u>461300</u> PWSID #: _____ Project Manager: <u>GW</u> P.O.#: _____ Sampler: <u>SM</u> Quote #: _____ Name of state where samples were collected: <u>VT</u>				Matrix (4) <input type="checkbox"/> Potable <input type="checkbox"/> Check if Applicable <input type="checkbox"/> NEDES <input type="checkbox"/> Other		(5) Analyses Requested Preservation Codes										For Lab Use Only FSC: _____ SCR#: _____					
						Total # of Containers <u>BTEX-N P260</u> <u>TPH-D Silicon gel</u> <u>TPH-G</u>										Preservation Codes H=HCl T=Thiosulfate N=HNO <sub>3</sub> B=NaOH S=H <sub>2</sub> SO <sub>4</sub> O=Other		(6) Temperature of samples upon receipt (if required)			
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other											Remarks		
<u>BH-12 Sand Comp @ wires</u>		<u>6/26/10</u>	<u>10:10</u>		X	X				1	✓	✓	✓								<u>4 wires</u>
<u>BH-12, 0-2 ft</u>			<u>10:55</u>		X					1	✓	✓	✓								
<u>BH-12, 2-4 ft</u>			<u>11:13</u>		X					1	✓	✓	✓								
<u>BH-13, Sand comp @ wires</u>			<u>11:39</u>		X					1	✓	✓	✓								<u>4 wires</u>
<u>BH-13, 0-2 ft</u>			<u>11:56</u>		X					1	✓	✓	✓								
<u>BH-13, 2-4 ft</u>			<u>12:15</u>		X					1	✓	✓	✓								
<u>BH-14, Sand Comp @ 4 wires</u>			<u>13:33</u>		X					1	✓	✓	✓								<u>4 wires</u>
<u>BH-14, 0-2 ft</u>			<u>13:50</u>		X					1	✓	✓	✓								
<u>BH-14, 2-4 ft</u>			<u>14:23</u>		X					1	✓	✓	✓								
<u>BH-15, Sand Comp @ 2 wires E</u>			<u>14:50</u>		X					1	✓	✓	✓								<u>2 wires 2w wires</u>
(7) Turnaround Time Requested (TAT) (please circle): Normal <u>(Rush)</u> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: <u>ASAP</u> Rush results requested by (please circle): Phone Fax <u>Email</u> Phone #: _____ Fax #: _____ E-mail address: <u>gwilliams@earthfax.com</u>				Relinquished by: _____ Date: <u>6/28/10</u> Time: <u>9:50</u>		Received by: _____ Date: <u>6/28/10</u> Time: <u>9:51</u>															
				Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____															
				Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____															
				Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____															
(8) Data Package Options (please circle if required) Type I (validation/NJ Reg) TX TRRP-13 Yes No Type II (Tier II) MA MCP CT RCP Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) (If yes, include QC sample and submit triplicate volume.) Type VI (Raw Data Only) Internal COC Required? Yes / No _____				SDG Complete? Yes No																	

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Fedex 865755432479

