

1st Pass - Sampling
E-1 - E5 clean
E6 - Hot



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

May 20, 2009

Petroleum Development Corporation
3801 Carson Ave.
Evans COLOI 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Attached are the analytical results for Wycaver 5-14 received by Origins Laboratory, Inc. 5/12/2009 3:00:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle".

Noelle E Doyle
Laboratory Manager

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
Wys E-01	X905040-01	Soil	5/11/2009 2:00:00PM	05/12/2009 15:00
Wys E-02	X905040-02	Soil	5/11/2009 2:00:00PM	05/12/2009 15:00
Wys E-03	X905040-03	Soil	5/11/2009 2:00:00PM	05/12/2009 15:00
Wys E-04	X905040-04	Soil	5/11/2009 2:00:00PM	05/12/2009 15:00
Wys E-05	X905040-05	Soil	5/11/2009 2:00:00PM	05/12/2009 15:00
Wys E-06 Bottom	X905040-06	Soil	5/11/2009 2:00:00PM	05/12/2009 15:00

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager



Tony Cooper
Project Number: 123-19881
Project: Wyscaver 5-14

case of

www.ginslaboratory.com

Client	Platinum Development Corporation	Project Manager	Tom Cope
Address	381 Carson Av.	Project Name	Waco - 5-14
Telephone Number	2615 60 8534	Project Number	2123-1981
E-Mail Address	970-534-1231	Samples Collected by	T. Cope
	+Cope@PDC.com		- PC # 21231 -

[illegible]

1640 North Pecos Street Unit C Denver, Colorado 80211 Laboratory: 303.433.1322 Fax - 303.265.9645

Naucke

Page 3 of 12

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Wys E-01
X905040-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E19003	05/19/2009	05/20/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	ND	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	70.3-123	"	"	"	"
Surrogate: Toluene-d8	103 %	75.9-123	"	"	"	"
Surrogate: 4-Bromofluorobenzene	94.4 %	83-123	"	"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E13002	05/13/2009	05/14/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	118 %	65-140	"	"	"	"
------------------------	-------	--------	---	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Wys E-02
X905040-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E19003	05/19/2009	05/20/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	ND	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	105 %	70.3-123	"	"	"
Surrogate: Toluene-d8	104 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	96.3 %	83-123	"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E13002	05/13/2009	05/14/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	119 %	65-140	"	"	"
------------------------	-------	--------	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Wys E-03
X905040-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E19003	05/19/2009	05/20/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	32.0	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70.3-123	"	"	"
Surrogate: Toluene-d8	98.5 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	98.2 %	83-123	"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E13002	05/13/2009	05/14/2009
Diesel (C10-C28)	298.1	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	298.1	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	121 %	65-140	"	"	"
------------------------	-------	--------	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation

3801 Carson Ave.

Evans COLO 80534

Tony Cooper

Project Number: 123-19881

Project: Wycaver 5-14

Wys E-04

X905040-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E19003	05/19/2009	05/20/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	ND	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	103 %	70.3-123	"	"	"	"	"
Surrogate: Toluene-d8	103 %	75.9-123	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %	83-123	"	"	"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E13002	05/13/2009	05/14/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	116 %	65-140	"	"	"	"	"
------------------------	-------	--------	---	---	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Wys E-05
X905040-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E19003	05/19/2009	05/20/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	ND	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	106 %	70.3-123	"	"	"	"
Surrogate: Toluene-d8	105 %	75.9-123	"	"	"	"
Surrogate: 4-Bromofluorobenzene	98.8 %	83-123	"	"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E13002	05/13/2009	05/14/2009
Diesel (C10-C28)	225.2	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	225.2	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	114 %	65-140	"	"	"	"
------------------------	-------	--------	---	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Wys E-06 Bottom
X905040-06 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	318.8	50.0	mg/kg	1	9E13002	05/13/2009	05/14/2009
Diesel (C10-C28)	1308.6	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	545.1	200.0	"	"	"	"	"
TPH - Carbon Chain Total	2172.5	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	119%	65-140	"	"	"
------------------------	------	--------	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



Petroleum Development Corporation
 3801 Carson Ave.
 Evans COLO 80534

Tony Cooper
 Project Number: 123-19881
 Project: Wycaver 5-14

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 9E1 3002 – Default Prep GC-Semi

Blank (9E1 3002-BLK1)				Prepared: 05/13/2009 Analyzed: 05/13/2009						
Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
Residual Range Organics (C28-C36)	ND	200.0	"							
TPH – Carbon Chain Total	ND	50.0	"							
Surrogate: o-Terphenyl	44.2		g	50.0		88.4	65-140			
LCS (9E1 3002-BS1)				Prepared: 05/13/2009 Analyzed: 05/13/2009						
Gasoline (C6-C10)	ND	50.0	mg/kg				65-140			
Diesel (C10-C28)	192.8	50.0	"	200		96.4	60-140			
Surrogate: o-Terphenyl	44.0		g	50.0		88.1	65-140			
Matrix Spike (9E1 3002-MS1)				Source: X905040-01		Prepared: 05/13/2009 Analyzed: 05/13/2009				
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130			
Diesel (C10-C28)	206.7	50.0	"	200	ND	103	60-140			
Surrogate: o-Terphenyl	44.7		g	50.0		89.4	65-140			
Matrix Spike Dup (9E1 3002-MSD1)				Source: X905040-01		Prepared: 05/13/2009 Analyzed: 05/13/2009				
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130		20	
Diesel (C10-C28)	196.9	50.0	"	200	ND	98.4	60-140	4.84	25	
Surrogate: o-Terphenyl	43.6		g	50.0		87.3	65-140			

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



Petroleum Development Corporation
 3801 Carson Ave.
 Evans COLO 80534

Tony Cooper
 Project Number: 123-19881
 Project: Wycaver 5-14

Volatile Organic Compounds by EPA Method 8260B – Quality Control
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9E19003 – EPA 5030B										
Blank (9E19003-BLK1)					Prepared: 05/19/2009 Analyzed: 05/20/2009					
Benzene	ND	4.00	ug/kg							
Toluene	ND	4.00	"							
Ethylbenzene	ND	4.00	"							
o-Xylene	ND	4.00	"							
m,p-Xylene	ND	8.00	"							
Surrogate: 1,2-Dichloroethane-d4	66.5		ug/L	62.5		106	70.3-123			
Surrogate: Toluene-d8	64.2		"	62.5		103	75.9-123			
Surrogate: 4-Bromofluorobenzene	59.7		"	62.5		95.6	83-123			
LCS (9E19003-B51)					Prepared: 05/19/2009 Analyzed: 05/20/2009					
Benzene	182	4.00	ug/kg	200		90.9	64.2-124			
Toluene	158	4.00	"	200		79.2	63.9-119			
Surrogate: 1,2-Dichloroethane-d4	66.1		ug/L	62.5		106	70.3-123			
Surrogate: Toluene-d8	63.1		"	62.5		101	75.9-123			
Surrogate: 4-Bromofluorobenzene	58.3		"	62.5		93.3	83-123			
Matrix Spike (9E19003-MS1)					Source: X905040-01		Prepared: 05/19/2009 Analyzed: 05/20/2009			
Benzene	242	4.00	ug/kg	200	0.64	121	64.2-124			
Toluene	209	4.00	"	200	1.08	104	63.9-119			
Surrogate: 1,2-Dichloroethane-d4	62.4		ug/L	62.5		99.8	70.3-123			
Surrogate: Toluene-d8	66.9		"	62.5		107	75.9-123			
Surrogate: 4-Bromofluorobenzene	60.0		"	62.5		95.9	83-123			
Matrix Spike Dup (9E19003-MSD1)					Source: X905040-01		Prepared: 05/19/2009 Analyzed: 05/20/2009			
Benzene	236	4.00	ug/kg	200	0.64	118	64.2-124	2.63	25	
Toluene	186	4.00	"	200	1.08	92.6	63.9-119	11.3	25	
Surrogate: 1,2-Dichloroethane-d4	61.8		ug/L	62.5		98.9	70.3-123			
Surrogate: Toluene-d8	65.9		"	62.5		105	75.9-123			
Surrogate: 4-Bromofluorobenzene	59.1		"	62.5		94.6	83-123			

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

E-06-2
2nd Sample
still Hot
- 1189.6 -



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

May 20, 2009

Petroleum Development Corporation
3801 Carson Ave.
Evans COLOI 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Attached are the analytical results for Wycaver 5-14 received by Origins Laboratory, Inc. 5/18/2009 9:30:00AM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle".

Noelle E Doyle
Laboratory Manager

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
Wys E-06-2	X905066-01	Soil	5/15/2009 2:00:00PM	05/18/2009 09:30

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax

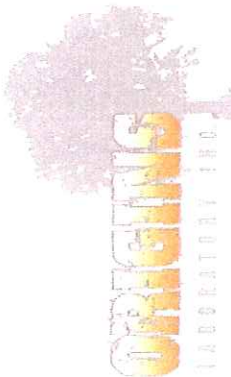


Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

X905066

page 1 of 1



originslaboratory.com

Client	Petroleum Development Corp	Project Manager	Cooper (Tony)
Address	40 3801 Carson Ave	Project Name	Wycaver 5-14
Telephone Number	303-433-1322	Project Number	
E-Mail Address	tony@petroleumdev.com	Samples Collected By	Cooper

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative	Matrix	Analysis	Sample Instructions
Wys E-00-2	5-15-09	2:00 pm		None	None	None	
Submitted by	5-15-09	9:00 am					
Submitted by							
3.3							
X							

4640 North Pecos Street, Unit C, Denver, Colorado 80211, Laboratory: 303.433.1322, Fax: 303.265.9645

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation

3801 Carson Ave.

Evans COLO 80534

Tony Cooper

Project Number: 123-19881

Project: Wycaver 5-14

Wys E-06-2
X905066-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E19003	05/19/2009	05/20/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	ND	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	103 %	70.3-123	"	"	"	"	"
Surrogate: Toluene-d8	105 %	75.9-123	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	83-123	"	"	"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E19002	05/19/2009	05/19/2009
Diesel (C10-C28)	824.3	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	365.3	200.0	"	"	"	"	"
TPH - Carbon Chain Total	1189.6	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	101 %	65-140	"	"	"	"	"
------------------------	-------	--------	---	---	---	---	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9E19002 – Default Prep GC-Semi										
Blank (9E19002-BLK1)					Prepared: 05/19/2009 Analyzed: 05/19/2009					
Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
Residual Range Organics (C28-C36)	ND	200.0	"							
TPH – Carbon Chain Total	ND	50.0	"							
Surrogate: o-Terphenyl	49.4		g	50.0		98.7	65-140			
LCS (9E19002-BS1)					Prepared: 05/19/2009 Analyzed: 05/19/2009					
Gasoline (C6-C10)	ND	50.0	mg/kg				65-140			
Diesel (C10-C28)	197.0	50.0	"	200		98.5	60-140			
Surrogate: o-Terphenyl	47.8		g	50.0		95.7	65-140			
Matrix Spike (9E19002-MS1)					Source: X905074-01		Prepared: 05/19/2009 Analyzed: 05/19/2009			
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130			
Diesel (C10-C28)	207.9	50.0	"	200	35.2	86.3	60-140			
Surrogate: o-Terphenyl	48.3		g	50.0		96.6	65-140			
Matrix Spike Dup (9E19002-MSD1)					Source: X905074-01		Prepared: 05/19/2009 Analyzed: 05/19/2009			
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130		20	
Diesel (C10-C28)	205.2	50.0	"	200	35.2	85.0	60-140	1.30	25	
Surrogate: o-Terphenyl	48.1		g	50.0		96.2	65-140			

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



Petroleum Development Corporation
 3801 Carson Ave.
 Evans COLO 80534

Tony Cooper
 Project Number: 123-19881
 Project: Wycaver 5-14

Volatile Organic Compounds by EPA Method 8260B – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9E19003 – EPA 5030B										
Blank (9E19003-BLK1)					Prepared: 05/19/2009 Analyzed: 05/20/2009					
Benzene	ND	4.00	ug/kg							
Toluene	ND	4.00	"							
Ethylbenzene	ND	4.00	"							
o-Xylene	ND	4.00	"							
m,p-Xylene	ND	8.00	"							
Surrogate: 1,2-Dichloroethane-d4	66.5		ug/L	62.5		106	70.3-123			
Surrogate: Toluene-d8	64.2		"	62.5		103	75.9-123			
Surrogate: 4-Bromofluorobenzene	59.7		"	62.5		95.6	83-123			
LCS (9E19003-BS1)					Prepared: 05/19/2009 Analyzed: 05/20/2009					
Benzene	182	4.00	ug/kg	200		90.9	64.2-124			
Toluene	158	4.00	"	200		79.2	63.9-119			
Surrogate: 1,2-Dichloroethane-d4	66.1		ug/L	62.5		106	70.3-123			
Surrogate: Toluene-d8	63.1		"	62.5		101	75.9-123			
Surrogate: 4-Bromofluorobenzene	58.3		"	62.5		93.3	83-123			
Matrix Spike (9E19003-MS1)					Source: X905040-01	Prepared: 05/19/2009 Analyzed: 05/20/2009				
Benzene	242	4.00	ug/kg	200	0.64	121	64.2-124			
Toluene	209	4.00	"	200	1.08	104	63.9-119			
Surrogate: 1,2-Dichloroethane-d4	62.4		ug/L	62.5		99.8	70.3-123			
Surrogate: Toluene-d8	66.9		"	62.5		107	75.9-123			
Surrogate: 4-Bromofluorobenzene	60.0		"	62.5		95.9	83-123			
Matrix Spike Dup (9E19003-MSD1)					Source: X905040-01	Prepared: 05/19/2009 Analyzed: 05/20/2009				
Benzene	236	4.00	ug/kg	200	0.64	118	64.2-124	2.63	25	
Toluene	186	4.00	"	200	1.08	92.6	63.9-119	11.3	25	
Surrogate: 1,2-Dichloroethane-d4	61.8		ug/L	62.5		98.9	70.3-123			
Surrogate: Toluene-d8	65.9		"	62.5		105	75.9-123			
Surrogate: 4-Bromofluorobenzene	59.1		"	62.5		94.6	83-123			

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference

Origins Laboratory, Inc.

A handwritten signature in black ink, appearing to read 'Noelle E Doyle', is written over a horizontal line.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

E-06-3
440 TRPH under standard.



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

May 27, 2009

Petroleum Development Corporation
3801 Carson Ave.
Evans COLOI 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Attached are the analytical results for Wycaver 5-14 received by Origins Laboratory, Inc. 5/21/2009 4:21:00PM. Please let us know if you have any questions, or if we can help with anything at all.

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

DRAFT REPORT
DATA SUBJECT TO CHANGE

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
DRAFT: Wys E-06-03	X905099-01	Soil	5/21/2009 11:45:00AM	05/21/2009 16:21

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tony Cooper
Project Number: 123-19881
Project: Wyscaver 5-14

660506X

Page _____ of _____

origins@abott.com

Client	Petroleum Development Corp	Project Manager	Tony Cooper
Address	3801 Carson Ave. Events, CO 80620	Project Name	Upstream 5-1/2
Telephone Number	970-534-1221	Project Number	
Fax / Address	+COOPER@PDT-Com	Samples Collected by	Mark Longhurst

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative						Matrix		Analysis		X90S099
				Unpreserved	HNO ₃	Glass	Groundwater	Soil	Air / Surface Contaminant	Other:				
DWIS E-OC-3	5-21-09	11:15 AM	1	X				X				7PH BTEx		
Requisitioned by [Signature]				Date	Time	Received by	Date	Time	Temperature Log Range: 3-3					
As analyzed by [Signature]				Date	Time	Received by [Signature]	Date	Time	Temp days to Temp. Same Day 24-hr 48-hr 72-hr					

1640 North Pecos Street Unit C Denver, Colorado 80211 Laboratory: 303.433.1332 Fax: 303.265.9945

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

DRAFT REPORT, DATA SUBJECT TO CHANGE

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

DRAFT: Wys E-06-03
X905099-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	4.00	ug/kg	1	9E25002	05/25/2009	05/27/2009
Toluene	ND	4.00	"	"	"	"	"
Ethylbenzene	ND	4.00	"	"	"	"	"
o-Xylene	ND	4.00	"	"	"	"	"
m,p-Xylene	ND	8.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70.3-123			"	"	"
Surrogate: Toluene-d8	97.3 %	75.9-123			"	"	"
Surrogate: 4-Bromofluorobenzene	86.4 %	83-123			"	"	"

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9E25001	05/25/2009	05/25/2009
Diesel (C10-C28)	200.7	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	239.7	200.0	"	"	"	"	"
TPH - Carbon Chain Total	440.4	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	109 %	65-140			"	"	"
------------------------	-------	--------	--	--	---	---	---

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



Petroleum Development Corporation
 3801 Carson Ave.
 Evans COLO 80534

Tony Cooper
 Project Number: 123-19881
 Project: Wycaver 5-14

DRAFT: Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9E25001 – Default Prep GC-Semi										
Blank (9E25001-BLK1)					Prepared: 05/25/2009 Analyzed: 05/25/2009					
Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
LCS (9E25001-BS1)					Prepared: 05/25/2009 Analyzed: 05/25/2009					
Gasoline (C6-C10)	ND	50.0	mg/kg				65-140			
Diesel (C10-C28)	186.8	50.0	"	200		93.4	60-140			
Matrix Spike (9E25001-MS1)					Source: X905102-10		Prepared: 05/25/2009 Analyzed: 05/25/2009			
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130			
Diesel (C10-C28)	197.2	50.0	"	200	ND	98.6	60-140			
Matrix Spike Dup (9E25001-MSD1)					Source: X905102-10		Prepared: 05/25/2009 Analyzed: 05/25/2009			
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130		20	
Diesel (C10-C28)	204.2	50.0	"	200	ND	102	60-140	3.49	25	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



Petroleum Development Corporation
3801 Carson Ave.
Evans COLO 80534

Tony Cooper
Project Number: 123-19881
Project: Wycaver 5-14

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Items for Project Manager Review

LabNumber	Analysis	Anayte	Exception
			This is a modified report
			VERSION 5.85:2888
9E25001-BS1		Gasoline (C6-C10)	No spike level
9E25001-MS1	TPH-Carbon Chain by EPA Method	Gasoline (C6-C10)	No spike level
9E25001-MSD1	TPH-Carbon Chain by EPA Method	Gasoline (C6-C10)	No spike level
	TPH-Carbon Chain by EPA Method		

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.