

3/23/2010

Noble Energy Inc.

Marty Faraguna

804 Grand Avenue

Platteville

CO

80651

Project Name- Cindy 23-28 North

Project Number- [none]

Attached are your analytical results for Cindy 23-28 North received by Origins Laboratory, Inc. March 4, 2010 3:00 pm. This project is associated with Origins project number X003047-01 .

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.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all,

Origins Laboratory, Inc.

303.433.1322

o-squad@oelabinc.com



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
B1	X003047-01	Soil	3/3/2010 2:30:00PM	03/04/2010 15:00
E1	X003047-02	Soil	3/3/2010 2:30:00PM	03/04/2010 15:00
E2	X003047-03	Soil	3/3/2010 2:30:00PM	03/04/2010 15:00
S1	X003047-04	Soil	3/3/2010 2:30:00PM	03/04/2010 15:00
S2	X003047-05	Soil	3/3/2010 2:30:00PM	03/04/2010 15:00
B2	X003047-06	Soil	3/4/2010 11:00:00AM	03/04/2010 15:00
B3	X003047-07	Soil	3/4/2010 11:00:00AM	03/04/2010 15:00
B4	X003047-08	Soil	3/4/2010 11:00:00AM	03/04/2010 15:00
N1	X003047-09	Soil	3/4/2010 11:30:00AM	03/04/2010 15:00
N2	X003047-10	Soil	3/4/2010 11:30:00AM	03/04/2010 15:00
W2	X003047-11	Soil	3/4/2010 11:30:00AM	03/04/2010 15:00
W1	X003047-12	Soil	3/4/2010 11:30:00AM	03/04/2010 15:00

Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

Client: Noble Energy  
Address: 804 Grand Ave.  
Telephone Number: 970 785-5000  
Email Address:

Project Manager: m.faraguna  
Project Name: Cindy 23-28 North  
Project Number:  
Samples Collected By: MJF

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #	Other		
B1	3-3-10	2:30											X003047 Cindy 23-28 North
E1	"	"											
E2	"	"											
S1	"	"											
S2	"	"											
B2	3-4-10	11:00											
B3	"	"											
B4	"	"											
N1	"	11:30											
N2	"	"											
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:							
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Same Day	48 Hr	72 Hr					

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

B1

3/3/2010 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-01 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010
Toluene	ND	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00400	"	"	"	"	"
o-Xylene	ND	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	106 %	77.6-134			"	"	"
Surrogate: Toluene-d8	108 %	81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	116 %	74.7-123			"	"	"

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/08/2010
Diesel (C10-C28)	382	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	382	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	104 %	65-140			"	"	"
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

E1

3/3/2010 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-02 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010
Toluene	ND	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00400	"	"	"	"	"
o-Xylene	ND	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	104 %	77.6-134			"	"	"
Surrogate: Toluene-d8	106 %	81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	119 %	74.7-123			"	"	"

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/08/2010
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	101 %	65-140			"	"	"
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

E2

3/3/2010 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-03 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	101 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	118 %	74.7-123			"	"	"	

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/08/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	99.8 %	65-140			"	"	"	
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

S1

3/3/2010 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-04 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010
Toluene	ND	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00400	"	"	"	"	"
o-Xylene	ND	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.5 %	77.6-134			"	"	"
Surrogate: Toluene-d8	97.9 %	81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	114 %	74.7-123			"	"	"

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/08/2010
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	104 %	65-140			"	"	"
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

S2

3/3/2010 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-05 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/09/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	104 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	101 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	74.7-123			"	"	"	S-GC

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/08/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	102 %	65-140			"	"	"	
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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

**B2**

**3/4/2010 11:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-06 (Soil)

## BTEX by EPA 8260B

Benzene	0.0111	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010
Toluene	ND	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00400	"	"	"	"	"
o-Xylene	ND	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	85.6 %	77.6-134			"	"	"
Surrogate: Toluene-d8	111 %	81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	74.7-123			"	"	"

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	100 %	65-140			"	"	"
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

**B3**

**3/4/2010 11:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-07 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	86.0 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	108 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	74.7-123			"	"	"	

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	100 %	65-140			"	"	"	
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

**B4**

**3/4/2010 11:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-08 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	83.4 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	106 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	74.7-123			"	"	"	

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	96.8 %	65-140			"	"	"	
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

N1

3/4/2010 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-09 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010
Toluene	ND	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00400	"	"	"	"	"
o-Xylene	ND	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	85.6 %	77.6-134			"	"	"
Surrogate: Toluene-d8	107 %	81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	74.7-123			"	"	"

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	99.0 %	65-140			"	"	"
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

N2

3/4/2010 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-10 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/08/2010
Toluene	ND	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00400	"	"	"	"	"
o-Xylene	ND	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	87.6 %	77.6-134			"	"	"
Surrogate: Toluene-d8	107 %	81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	74.7-123			"	"	"

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	98.8 %	65-140			"	"	"
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

## W2

3/4/2010 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-11 (Soil)

### BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/09/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	88.9 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	106 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	74.7-123			"	"	"	

### TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	94.9 %	65-140			"	"	"	
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Origins Laboratory, Inc.



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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

W1

3/4/2010 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
X003047-12 (Soil)

## BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	OC08001	03/08/2010	03/09/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	83.4 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	104 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	74.7-123			"	"	"	

## TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	OC08002	03/08/2010	03/09/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	97.7 %	65-140			"	"	"	
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Noelle E Doyle, Laboratory Manager

Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Cindy 23-28 North

## 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
<b>Batch OC08002 - Default Prep GC-Semi</b>										
<b>Blank (OC08002-BLK1)</b>					Prepared: 03/08/2010 Analyzed: 03/08/2010					
Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
Residual Range Organics (C28-C36)	ND	200	"							
TPH - Carbon Chain Total	ND	50.0	"							
<i>Surrogate: o-Terphenyl</i>	<i>53.2</i>		<i>g</i>	<i>50.0</i>		<i>106</i>	<i>65-140</i>			
<b>LCS (OC08002-BS1)</b>					Prepared: 03/08/2010 Analyzed: 03/08/2010					
Gasoline (C6-C10)	ND	50.0	mg/kg				65-140			
Diesel (C10-C28)	450	50.0	"	500		89.9	60-140			
<i>Surrogate: o-Terphenyl</i>	<i>52.2</i>		<i>g</i>	<i>50.0</i>		<i>104</i>	<i>65-140</i>			
<b>Matrix Spike (OC08002-MS1)</b>					Source: X003047-02	Prepared: 03/08/2010 Analyzed: 03/08/2010				
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130			
Diesel (C10-C28)	406	50.0	"	500	ND	81.2	60-140			
<i>Surrogate: o-Terphenyl</i>	<i>50.8</i>		<i>g</i>	<i>50.0</i>		<i>102</i>	<i>65-140</i>			
<b>Matrix Spike Dup (OC08002-MSD1)</b>					Source: X003047-02	Prepared: 03/08/2010 Analyzed: 03/08/2010				
Gasoline (C6-C10)	ND	50.0	mg/kg		ND		65-130		20	
Diesel (C10-C28)	444	50.0	"	500	ND	88.9	60-140	9.08	25	
<i>Surrogate: o-Terphenyl</i>	<i>50.5</i>		<i>g</i>	<i>50.0</i>		<i>101</i>	<i>65-140</i>			

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Project Number: [none]  
Project: Cindy 23-28 North

## 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
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### Batch OC08001 - EPA 5030B

#### Blank (OC08001-BLK1)

Prepared: 03/08/2010 Analyzed: 03/08/2010

Benzene	ND	0.004	mg/kg
Toluene	ND	0.004	"
Ethylbenzene	ND	0.004	"
o-Xylene	ND	0.004	"
m,p-Xylene	ND	0.008	"

Surrogate: 1,2-Dichloroethane-d4	67.3	ug/L	62.5	108	77.6-134
Surrogate: Toluene-d8	66.9	"	62.5	107	81.4-121
Surrogate: 4-Bromofluorobenzene	70.5	"	62.5	113	74.7-123

#### LCS (OC08001-BSI)

Prepared: 03/08/2010 Analyzed: 03/08/2010

Benzene	0.19	0.004	mg/kg	0.200	93.5	75.2-128
Toluene	0.19	0.004	"	0.200	96.9	76.3-130

Surrogate: 1,2-Dichloroethane-d4	67.0	ug/L	62.5	107	77.6-134
Surrogate: Toluene-d8	67.5	"	62.5	108	81.4-121
Surrogate: 4-Bromofluorobenzene	71.0	"	62.5	114	74.7-123

#### Matrix Spike (OC08001-MSI)

Source: X003047-01

Prepared: 03/08/2010 Analyzed: 03/08/2010

Benzene	0.16	0.004	mg/kg	0.200	ND	80.8	77.6-132
Toluene	0.16	0.004	"	0.200	0.001	81.8	74-136

Surrogate: 1,2-Dichloroethane-d4	65.8	ug/L	62.5	105	77.6-134
Surrogate: Toluene-d8	66.6	"	62.5	106	81.4-121
Surrogate: 4-Bromofluorobenzene	74.0	"	62.5	118	74.7-123

#### Matrix Spike Dup (OC08001-MSD1)

Source: X003047-01

Prepared: 03/08/2010 Analyzed: 03/08/2010

Benzene	0.17	0.004	mg/kg	0.200	ND	83.8	77.6-132	3.69	13.1
Toluene	0.18	0.004	"	0.200	0.001	88.5	74-136	7.72	20.9

Surrogate: 1,2-Dichloroethane-d4	63.9	ug/L	62.5	102	77.6-134
Surrogate: Toluene-d8	66.6	"	62.5	106	81.4-121
Surrogate: 4-Bromofluorobenzene	73.4	"	62.5	117	74.7-123

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Marty Faraguna

Project Number: [none]

Project: Cindy 23-28 North

### Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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