

## Bratcher, Mike, EMNRD

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**From:** Michael Stubblefield [mstubblefield@talonlpe.com]  
**Sent:** Thursday, August 11, 2011 7:40 AM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** RE: TURNER B NO 103

Mike,

The BTEX reported by analytical results dated 03/11/2011 in sample S-3 @ 1' bgs was <50 mg/kg. After a review of analytical data it is apparent the work plan contained a misprint. If I can be of further assistance please contact me at 575-441-7254.

Mike Stubblefield  
Talon/LPE Project Manager

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**From:** Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]  
**Sent:** Tuesday, August 09, 2011 9:21 AM  
**To:** Michael Stubblefield  
**Cc:** dpotter@linnenergy.com  
**Subject:** RE: TURNER B NO 103

Reference: Linn Energy \* Turner B 103 \* 30-015-26665 \* B-20-17s-31e \* Eddy County, New Mexico  
DOR: 12/10/2010 \* **2RP-565**

Based on the analytical data presented, your request to install a compacted clay barrier and backfill excavation is approved with the following conditions and/or stipulations:

- Notify OCD 48 hours prior to installation of barrier.
- In OCD's May 23, 2011 approval, I had requested additional delineation for BTEX in sample point marked "S-3". This was based on the chart provided in the Remediation Work Plan. In reviewing the analytical data provided with that submittal, it appears the elevated BTEX levels in the chart may be a misprint. **Please advise.** If it is not a misprint, the **delineation will be required** prior to installation of barrier and backfilling.
- Submit a Form C-141 Final Report and closure report upon satisfactory completion of project.
- Like approval by BLM or any other regulatory authority as may be applicable.

Be advised OCD approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notifications, please contact me.

***Mike Bratcher***  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
575-748-1283 Ext. 108  
575-626-0857  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

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**From:** Michael Stubblefield [<mailto:mstubblefield@talonlpe.com>]  
**Sent:** Monday, August 08, 2011 5:00 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** [dpotter@linnenergy.com](mailto:dpotter@linnenergy.com)  
**Subject:** FW: TURNER B NO 103

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected from the excavated area at the Linn Operating Turner B No. 103. Based on the analytical results Linn Operating is requesting permission to install a clay barrier into the bottom of the excavation and to start backfilling the excavation with new soil.

Sincerely,

Mike Stubblefield  
Talon/LPE Project Manager

---

**From:** Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]  
**Sent:** Monday, August 08, 2011 4:36 PM  
**To:** Michael Stubblefield  
**Cc:** David Adkins  
**Subject:** TURNER B NO 103

THANK YOU,

Celey Keene  
Lab Director  
Cardinal Laboratories  
101 East Marland  
Hobbs, NM 88240  
T: (575) 393-2326  
F: (575) 393-2476  
e-mail: [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)

**Bratcher, Mike, EMNRD**

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**From:** mstubblefield@talonlpe.com  
**Sent:** Tuesday, August 09, 2011 9:37 AM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** Delivered: RE: TURNER B NO 103  
**Attachments:** ATT00001

Your message was delivered to the recipient.

## Bratcher, Mike, EMNRD

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Tuesday, August 09, 2011 9:21 AM  
**To:** 'Michael Stubblefield'  
**Cc:** dpotter@linnenergy.com  
**Subject:** RE: TURNER B NO 103

Reference: Linn Energy \* Turner B 103 \* 30-015-26665 \* B-20-17s-31e \* Eddy County, New Mexico  
DOR: 12/10/2010 \* **2RP-565**

Based on the analytical data presented, your request to install a compacted clay barrier and backfill excavation is approved with the following conditions and/or stipulations:

- Notify OCD 48 hours prior to installation of barrier.
- In OCD's May 23, 2011 approval, I had requested additional delineation for BTEX in sample point marked "S-3". This was based on the chart provided in the Remediation Work Plan. In reviewing the analytical data provided with that submittal, it appears the elevated BTEX levels in the chart may be a misprint. **Please advise.** If it is not a misprint, the **delineation will be required** prior to installation of barrier and backfilling.
- Submit a Form C-141 Final Report and closure report upon satisfactory completion of project.
- Like approval by BLM or any other regulatory authority as may be applicable.

Be advised OCD approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notifications, please contact me.

***Mike Bratcher***

NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
575-748-1283 Ext. 108  
575-626-0857  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

---

**From:** Michael Stubblefield [<mailto:mstubblefield@talonlpe.com>]  
**Sent:** Monday, August 08, 2011 5:00 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** dpotter@linnenergy.com  
**Subject:** FW: TURNER B NO 103

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected from the excavated area at the Linn Operating Turner B No. 103. Based on the analytical results Linn Operating is requesting permission to install a clay barrier into the bottom of the excavation and to start backfilling the excavation with new soil.

Sincerely,

Mike Stubblefield  
Talon/LPE Project Manager

---

**From:** Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]  
**Sent:** Monday, August 08, 2011 4:36 PM  
**To:** Michael Stubblefield  
**Cc:** David Adkins  
**Subject:** TURNER B NO 103

THANK YOU,

**Celey Keene**  
**Lab Director**  
**Cardinal Laboratories**  
**101 East Marland**  
**Hobbs, NM 88240**  
**T: (575) 393-2326**  
**F: (575) 393-2476**  
**e-mail: [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)**

**Bratcher, Mike, EMNRD**

---

**From:** Microsoft Outlook  
**To:** Michael Stubblefield; dpotter@linenergy.com  
**Sent:** Tuesday, August 09, 2011 9:21 AM  
**Subject:** Relayed: RE: TURNER B NO 103

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

Michael Stubblefield (mstubblefield@talonlpe.com)

dpotter@linenergy.com (dpotter@linenergy.com)

Subject: RE: TURNER B NO 103

## Bratcher, Mike, EMNRD

---

**From:** Michael Stubblefield [mstubblefield@talonlpe.com]  
**Sent:** Monday, August 08, 2011 5:00 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** dpotter@linnenergy.com  
**Subject:** FW: TURNER B NO 103  
**Attachments:** H101616 TALON.pdf

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected from the excavated area at the Linn Operating Turner B No. 103. Based on the analytical results Linn Operating is requesting permission to install a clay barrier into the bottom of the excavation and to start backfilling the excavation with new soil.

Sincerely,

Mike Stubblefield  
Talon/LPE Project Manager

---

**From:** Celey Keene [mailto:[celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)]  
**Sent:** Monday, August 08, 2011 4:36 PM  
**To:** Michael Stubblefield  
**Cc:** David Adkins  
**Subject:** TURNER B NO 103

THANK YOU,

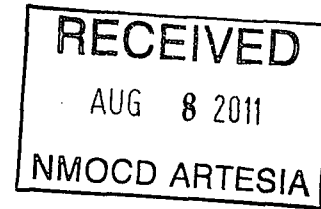
**Celey Keene**  
**Lab Director**  
**Cardinal Laboratories**  
101 East Marland  
Hobbs, NM 88240  
T: (575) 393-2326  
F: (575) 393-2476  
e-mail: [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

August 08, 2011

MIKE STUBBLEFIELD  
TALON LPE  
408 W. TEXAS AVE.  
ARTESIA, NM 88210



RE: TURNER B #103

Enclosed are the results of analyses for samples received by the laboratory on 08/04/11 8:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 08/04/2011  
Reported: 08/08/2011  
Project Name: TURNER B #103  
Project Number: 700813.004.01  
Project Location: SEC.20-T17S. R31E

Sampling Date: 08/03/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 NORTHSIDE WALL (H101616-01)**

BTEX 8021B		mg/kg	Analyzed By: CMS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92		
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49		
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31		
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802		

Surrogate: 4-Bromofluorobenzene (PIL) 96.7 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/04/2011	ND	368	92.0	400	12.2	
TPH 8015M		mg/kg	Analyzed By: ab						


Surrogate: 1-Chlorooctane 110 % 70-130

Surrogate: 1-Chlorooctadecane 121 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 08/04/2011  
Reported: 08/08/2011  
Project Name: TURNER B #103  
Project Number: 700813.004.01  
Project Location: SEC.20-T17S. R31E

Sampling Date: 08/03/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-2 EASTSIDE WALL (H101616-02)**

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92	
<b>Toluene*</b>	<b>0.139</b>	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802	

Surrogate: 4-Bromofluorobenzene (PIL) 97.4 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	08/04/2011	ND	368	92.0	400	12.2	
TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/06/2011	ND	190	95.2	200	1.22	
<b>DRO &gt;C10-C28</b>	<b>25.4</b>	10.0	08/06/2011	ND	172	85.9	200	1.73	

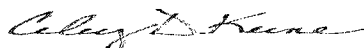
Surrogate: 1-Chlorooctane 98.9 % 70-130

Surrogate: 1-Chlorooctadecane 109 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 08/04/2011  
Reported: 08/08/2011  
Project Name: TURNER B #103  
Project Number: 700813.004.01  
Project Location: SEC.20-T17S. R31E

Sampling Date: 08/03/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-3 SOUTHSIDE WALL (H101616-03)**

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92	
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802	

Surrogate: 4-Bromofluorobenzene (PIL) 95.7 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/04/2011	ND	368	92.0	400	12.2		
TPH 8015M		mg/kg		Analyzed By: ab						

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/06/2011	ND	210	105	200	0.924	
DRO >C10-C28	21.7	10.0	08/06/2011	ND	193	96.5	200	2.13	

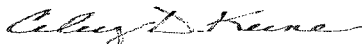
Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 119 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 08/04/2011  
Reported: 08/08/2011  
Project Name: TURNER B #103  
Project Number: 700813.004.01  
Project Location: SEC.20-T17S. R31E

Sampling Date: 08/03/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-4 WESTSIDE WALL (H101616-04)**

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92	
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802	

Surrogate: 4-Bromofluorobenzene (PIE) 95.8 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/04/2011	ND	368	92.0	400	12.2	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/06/2011	ND	210	105	200	0.924	
DRO >C10-C28	<10.0	10.0	08/06/2011	ND	193	96.5	200	2.13	


Surrogate: 1-Chlorooctane 108 % 70-130

Surrogate: 1-Chlorooctadecane 119 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 08/04/2011  
Reported: 08/08/2011  
Project Name: TURNER B #103  
Project Number: 700813.004.01  
Project Location: SEC.20-T17S. R31E

Sampling Date: 08/03/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-5 FP-1 SOUTHSIDE WALL (H101616-05)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92	
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802	

Surrogate: 4-Bromofluorobenzene (PIL) 95.5 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/04/2011	ND	368	92.0	400	12.2	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2011	ND	210	105	200	0.924	
DRO >C10-C28	448	10.0	08/07/2011	ND	193	96.5	200	2.13	

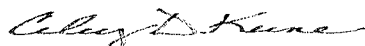
Surrogate: 1-Chlorooctane 114 % 70-130

Surrogate: 1-Chlorooctadecane 119 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 MIKE STUBBLEFIELD  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 08/04/2011  
 Reported: 08/08/2011  
 Project Name: TURNER B #103  
 Project Number: 700813.004.01  
 Project Location: SEC.20-T17S. R31E

 Sampling Date: 08/03/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-6 FP-1 NORTHSIDE WALL (H101616-06)**

BTX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92	
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802	

Surrogate: 4-Bromofluorobenzene (PIL) 97.1 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/04/2011	ND	368	92.0	400	12.2	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2011	ND	210	105	200	0.924	
DRO >C10-C28	69.9	10.0	08/07/2011	ND	193	96.5	200	2.13	

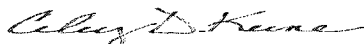
Surrogate: 1-Chlorooctane 104 % 70-130

Surrogate: 1-Chlorooctadecane 116 % 70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 08/04/2011  
Reported: 08/08/2011  
Project Name: TURNER B #103  
Project Number: 700813.004.01  
Project Location: SEC.20-T17S. R31E

Sampling Date: 08/03/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-7 FP-2 WESTSIDE WALL (H101616-07)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92		
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49		
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31		
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802		

Surrogate: 4-Bromofluorobenzene (PIE) 96.0 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/04/2011	ND	368	92.0	400	12.2	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2011	ND	210	105	200	0.924	
DRO >C10-C28	212	10.0	08/07/2011	ND	193	96.5	200	2.13	

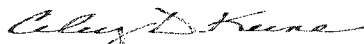
Surrogate: 1-Chlorooctane 120 % 70-130

Surrogate: 1-Chlorooctadecane 129 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 MIKE STUBBLEFIELD  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 08/04/2011  
 Reported: 08/08/2011  
 Project Name: TURNER B #103  
 Project Number: 700813.004.01  
 Project Location: SEC.20-T17S. R31E

 Sampling Date: 08/03/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-8 FP-2 EASTSIDE WALL (H101616-08)**

BTEX 8021B		mg/kg	Analyzed By: CMS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2011	ND	1.80	90.0	2.00	1.92		
Toluene*	<0.050	0.050	08/05/2011	ND	1.74	86.9	2.00	1.49		
Ethylbenzene*	<0.050	0.050	08/05/2011	ND	1.77	88.7	2.00	1.31		
Total Xylenes*	<0.150	0.150	08/05/2011	ND	5.30	88.3	6.00	0.802		

Surrogate: 4-Bromofluorobenzene (PIL) 98.2 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/04/2011	ND	368	92.0	400	12.2	

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/07/2011	ND	210	105	200	0.924		
DRO >C10-C28	190	10.0	08/07/2011	ND	193	96.5	200	2.13		

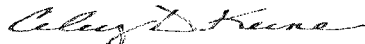
Surrogate: 1-Chlorooctane 119 % 70-130

Surrogate: 1-Chlorooctadecane 126 % 70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

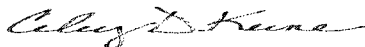
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Talon / LPE</u>				BILL TO		ANALYSIS REQUEST																		
Project Manager: <u>Mike Stubblefield</u>				P.O. #:																				
Address: <u>408 W. Texas Ave.</u>				Company: <u>Talon / LPE</u>																				
City: <u>Albany</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																				
Phone #: <u>505-441-7254</u> Fax #: <u>505-746-9105</u>				Address:																				
Project #: <u>200813-004-01</u> Project Owner: <u>Linn Operating</u>				City:																				
Project Name: <u>TURKEY B No 103</u>				State: Zip:																				
Project Location: <u>sec 20 T19S R31E</u>				Phone #:																				
Sampler Name: <u>Mike Stubblefield</u>				Fax #:																				
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(C) RAB OR (O) JOMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME	8015 (C) PH	8260 (P) PH	Total Chloride							
H1D1616																								
1	S-1 Northside wall	S											8/3/2011	2:19 PM										
2	S-2 Eastside wall	S											8/3/2011	2:20 PM										
3	S-3 Southside wall	S											8/3/2011	2:23 PM										
4	S-4 Westside wall	S											8/3/2011	2:25 PM										
5	S-5 FP-1 Southside wall	C											8/3/2011	2:28 PM										
6	S-6 FP-1 Northside wall	C											8/3/2011	2:29 PM										
7	S-7 FP-2 Westside wall	C											8/3/2011	2:33 PM										
8	S-8 FP-2 Eastside wall	C											8/3/2011	2:36 PM										

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Relinquished By: <u>Mike Stubblefield</u>	Date: <u>8/3/2011</u>	Received By: <u>Sec T. Jensen</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <u>Sec T. Jensen</u>	Date: <u>8/4/11</u>	Received By: <u>Joelle Henson</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)	Time: <u>8:00</u>	Sample Condition	REMARKS:
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476