

Bratcher, Mike, EMNRD

From: Michael Stubblefield [mstubblefield@talonlpe.com]
Sent: Thursday, May 10, 2012 12:54 PM
To: Gregston, Terry G
Cc: Bratcher, Mike, EMNRD; Hernandez, Roger; Lewis, Merle; Schultz, Brian
Subject: FW: HACKBERRY 18 FEDERAL NO 1
Attachments: H200980 TALON.pdf

Dear Ms. Terry Gregston,

Talon/LPE is sending the analytical results for the soil samples collected on 4/27/2012 at the Hackberry 18 Federal No.1 release.

Mike Stubblefield
Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
(575) 746.8905 fax
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Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist
Staples Foundation for Learning Hall of Fame Recipient: 2010
ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006
Inc. 500/5000: 2011, 2010, 2009, 2008, 2007

From: Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]
Sent: Friday, May 04, 2012 12:35 PM
To: Michael Stubblefield; David Adkins; Kimberly M. Wilson
Subject: HACKBERRY 18 FEDERAL NO 1

THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326
F: (575) 393-2476
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May 04, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HACKBERRY 18 FED. NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 04/30/12 11:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 (V1, 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-9 BOTTOM 1' BGS (H200980-01)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.226	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	1.87	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	5.65	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 95.3 % 61.3-142

Surrogate Toluene-d8 97.0 % 71.3-129

Surrogate 4-Bromofluorobenzene 137 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/02/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	106	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	1690	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane 148 % 55.5-154

Surrogate 1-Chlorooctadecane 150 % 57.6-158

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* = Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-10 NORTHSIDE WALL (H200980-02)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	<0.050	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate. Dibromofluoromethane 92.4 % 61.3-142

Surrogate Toluene-d8 101 % 71.3-129

Surrogate. 4-Bromofluorobenzene 98.2 % 65.7-141

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	05/02/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	31.2	10.0	05/02/2012	ND	208	104	200	8.14		

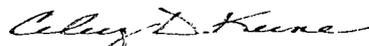
Surrogate 1-Chlorooctane 128 % 55.5-154

Surrogate 1-Chlorooctadecane 131 % 57.6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-11 SOUTHSIDE WALL (H200980-03)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	<0.050	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 90.4 % 61.3-142

Surrogate Toluene-d8 101 % 71.3-129

Surrogate 4-Bromofluorobenzene 93.8 % 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	<10.0	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane 141 % 55.5-154

Surrogate 1-Chlorooctadecane 145 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-12 BOTTOM 1' BGS (H200980-04)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.089	0.050	05/03/2012	ND	1.05	105	1.00	8.37	
Toluene*	0.663	0.050	05/03/2012	ND	1.00	100	1.00	5.54	
Ethylbenzene*	0.196	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32	
Total Xylenes*	0.723	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09	

Surrogate Dibromofluoromethane 90.4 % 61.3-142

Surrogate Toluene-d8 101 % 71.3-129

Surrogate 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/02/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	2140	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane 134 % 55.5-154

Surrogate 1-Chlorooctadecane 167 % 57.6-158

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-13 WESTSIDE WALL (H200980-05)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.178	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 89.4 % 61.3-142

Surrogate Toluene-d8 100 % 71.3-129

Surrogate 4-Bromofluorobenzene 98.2 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	25.7	10.0	05/02/2012	ND	208	104	200	8.14		

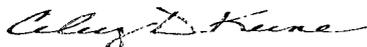
Surrogate 1-Chlorooctane 117 % 55.5-154

Surrogate 1-Chlorooctadecane 115 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-14 EASTSIDE WALL (H200980-06)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.163	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.937	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.204	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	0.672	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 88.9% 61.3-142

Surrogate Toluene-d8 99.1% 71.3-129

Surrogate 4-Bromofluorobenzene 99.3% 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	22.3	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane 136% 55.5-154

Surrogate 1-Chlorooctadecane 141% 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-15 BOTTOM 1' BGS (H200980-07)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.190	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.077	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	0.179	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 86.5 % 61 3-142

Surrogate Toluene-d8 98.4 % 71 3-129

Surrogate 4-Bromofluorobenzene 97.6 % 65 7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	1930	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane 122 % 55 5-154

Surrogate 1-Chlorooctadecane 153 % 57 6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-16 WESTSIDE WALL (H200980-08)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.058	0.050	05/03/2012	ND	1.05	105	1.00	8.37	
Toluene*	0.260	0.050	05/03/2012	ND	1.00	100	1.00	5.54	
Ethylbenzene*	0.052	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32	
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09	

Surrogate Dibromofluoromethane 87.6% 61.3-142

Surrogate Toluene-d8 99.6% 71.3-129

Surrogate 4-Bromofluorobenzene 93.3% 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24	
DRO >C10-C28	13.1	10.0	05/02/2012	ND	208	104	200	8.14	

Surrogate 1-Chlorooctane 128% 55.5-154

Surrogate 1-Chlorooctadecane 123% 57.6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-17 EASTSIDE WALL (H200980-09)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.065	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 87.4 % 61.3-142
 Surrogate Toluene-d8 99.4 % 71.3-129
 Surrogate 4-Bromofluorobenzene 93.0 % 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

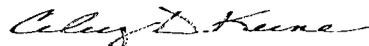
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	18.5	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane 135 % 55.5-154
 Surrogate 1-Chlorooctadecane 138 % 57.6-158

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

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-18 BOTTOM 1' BGS (H200980-10)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.143	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.060	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	0.194	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane	87.3 %	61.3-142
Surrogate Toluene-d8	97.7 %	71.3-129
Surrogate 4-Bromofluorobenzene	94.6 %	65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24		
DRO >C10-C28	13.8	10.0	05/02/2012	ND	208	104	200	8.14		

Surrogate 1-Chlorooctane	142 %	55.5-154
Surrogate 1-Chlorooctadecane	139 %	57.6-158

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Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-19 WESTWALL (H200980-11)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.121	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.072	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	0.231	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 89.1% 61.3-142

Surrogate Toluene-d8 98.5% 71.3-129

Surrogate 4-Bromofluorobenzene 98.6% 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	05/02/2012	ND	184	92.2	200	6.24			
DRO >C10-C28	2860	10.0	05/02/2012	ND	208	104	200	8.14			

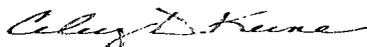
Surrogate 1-Chlorooctane 168% 55.5-154

Surrogate 1-Chlorooctadecane 153% 57.6-158

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Analytical Results For:

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-20 EASTWALL (H200980-12)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.090	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 86.7% 61.3-142

Surrogate Toluene-d8 100% 71.3-129

Surrogate 4-Bromofluorobenzene 98.6% 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	873	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane 95.0% 55.5-154

Surrogate 1-Chlorooctadecane 99.6% 57.6-158

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 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-21 BOTTOM 1' BGS (H200980-13)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.311	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.882	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	3.08	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 89.1 % 61.3-142
 Surrogate Toluene-d8 95.7 % 71.3-129
 Surrogate 4-Bromofluorobenzene 118 % 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	43.9	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	1260	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane 96.1 % 55.5-154
 Surrogate 1-Chlorooctadecane 105 % 57.6-158

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Analytical Results For:

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

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-22 WESTWALL (H200980-14)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.108	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.550	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.268	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	0.557	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 89.0% 61.3-142

Surrogate Toluene-d8 98.6% 71.3-129

Surrogate 4-Bromofluorobenzene 97.9% 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	19.9	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane 82.4% 55.5-154

Surrogate 1-Chlorooctadecane 75.1% 57.6-158

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Analytical Results For:

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

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-23 EASTWALL (H200980-15)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	0.196	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	0.093	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	0.281	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 87.2 % 61.3-142

Surrogate Toluene-d8 98.5 % 71.3-129

Surrogate 4-Bromofluorobenzene 93.9 % 65.7-141

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	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane 80.7 % 55.5-154

Surrogate 1-Chlorooctadecane 82.3 % 57.6-158

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 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-24 BOTTOM 1' BGS BATT. (H200980-16)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.185	0.100	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	3.62	0.100	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	2.96	0.100	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	6.90	0.300	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane 91.6 % 61.3-142

Surrogate Toluene-d8 101 % 71.3-129

Surrogate 4-Bromofluorobenzene 115 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	216	10.0	05/03/2012	ND	204	102	200	4.85			
DRO >C10-C28	8410	10.0	05/03/2012	ND	216	108	200	2.53			

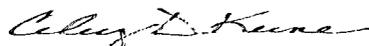
Surrogate 1-Chlorooctane 128 % 55.5-154

Surrogate 1-Chlorooctadecane 252 % 57.6-158

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 MIKE STUBBLEFIELD
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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-25 SOUTHSIDE WALL BATT. (H200980-17)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	<0.050	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

<i>Surrogate Dibromofluoromethane</i>	87.8 %	61.3-142
<i>Surrogate Toluene-d8</i>	98.0 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	98.4 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	2750	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	86.7 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	129 %	57.6-158

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Analytical Results For:

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

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-26 EASTSIDE WALL BATT. (H200980-18)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37		
Toluene*	<0.050	0.050	05/03/2012	ND	1.00	100	1.00	5.54		
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32		
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09		

Surrogate Dibromofluoromethane	90.0 %	61.3-142
Surrogate Toluene-d8	99.2 %	71.3-129
Surrogate 4-Bromofluorobenzene	92.7 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2012	ND	400	100	400	0.00		

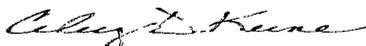
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	26.7	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane	80.9 %	55.5-154
Surrogate 1-Chlorooctadecane	82.3 %	57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-27 NORTHSIDE WALL BATT. (H200980-19)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37	
Toluene*	<0.050	0.050	05/03/2012	ND	1.00	100	1.00	5.54	
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32	
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09	

<i>Surrogate Dibromofluoromethane</i>	87.2 %	61.3-142
<i>Surrogate Toluene-d8</i>	97.9 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	91.6 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/02/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85	
DRO >C10-C28	17.0	10.0	05/03/2012	ND	216	108	200	2.53	

<i>Surrogate 1-Chlorooctane</i>	83.7 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	86.9 %	57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-28 WESTSIDE WALL BATT. (H200980-20)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2012	ND	1.05	105	1.00	8.37	
Toluene*	<0.050	0.050	05/03/2012	ND	1.00	100	1.00	5.54	
Ethylbenzene*	<0.050	0.050	05/03/2012	ND	0.989	98.9	1.00	6.32	
Total Xylenes*	<0.150	0.150	05/03/2012	ND	2.99	99.8	3.00	7.09	

Surrogate Dibromofluoromethane 87.7% 61.3-142

Surrogate Toluene-d8 98.3% 71.3-129

Surrogate 4-Bromofluorobenzene 90.5% 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/02/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85	
DRO >C10-C28	242	10.0	05/03/2012	ND	216	108	200	2.53	

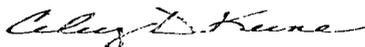
Surrogate 1-Chlorooctane 78.9% 55.5-154

Surrogate 1-Chlorooctadecane 81.8% 57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-29 BTTM .5' BGS HT (H200980-21)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09	
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31	
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78	
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72	

Surrogate Dibromofluoromethane 90.6 % 61.3-142

Surrogate Toluene-d8 97.8 % 71.3-129

Surrogate 4-Bromofluorobenzene 89.8 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	05/02/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85	
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53	

Surrogate 1-Chlorooctane 85.4 % 55.5-154

Surrogate 1-Chlorooctadecane 82.9 % 57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-30 BTM .5' BGS LOC. (H200980-22)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

Surrogate Dibromofluoromethane 87.7% 61.3-142

Surrogate Toluene-d8 95.6% 71.3-129

Surrogate 4-Bromofluorobenzene 88.7% 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	23.2	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane 85.9% 55.5-154

Surrogate 1-Chlorooctadecane 83.8% 57.6-158

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-31 BTTM .5' BGS OFF LOC. (H200980-23)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	87.8 %	61.3-142
<i>Surrogate Toluene-d8</i>	97.5 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	93.4 %	65.7-141

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	05/02/2012	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	80.8 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	77.4 %	57.6-158

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-32 BTM .5' BGS OFF LOC. (H200980-24)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

Surrogate Dibromofluoromethane 87.8% 61.3-142

Surrogate Toluene-d8 98.3% 71.3-129

Surrogate 4-Bromofluorobenzene 90.8% 65.7-141

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	05/02/2012	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

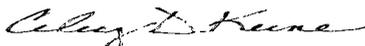
Surrogate 1-Chlorooctane 87.5% 55.5-154

Surrogate 1-Chlorooctadecane 88.7% 57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-33 WESTSIDE WALL OFF LOC. (H200980-25)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	88.4 %	61.3-142
<i>Surrogate Toluene-d8</i>	97.7 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	90.5 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2012	ND	400	100	400	0.00		

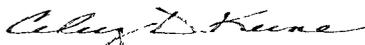
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	89.6 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	93.1 %	57.6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-34 EASTSIDE WALL OFF LOC. (H200980-26)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	88.2 %	61.3-142
<i>Surrogate Toluene-d8</i>	98.3 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	91.4 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2012	ND	400	100	400	0.00		

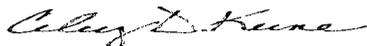
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	90.0 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	96.3 %	57.6-158

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 ARTESIA NM, 88210
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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-35 BTTM 1'BGS OFF LOC. (H200980-27)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	89.5 %	61.3-142
<i>Surrogate Toluene-d8</i>	97.6 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	91.3 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	83.9 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	82.4 %	57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-36 SOUTH WALL (H200980-28)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	87.2 %	61.3-142
<i>Surrogate Toluene-d8</i>	98.6 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	92.3 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/02/2012	ND	400	100	400	0.00		

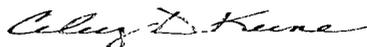
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	95.8 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	95.7 %	57.6-158

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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-37 NORTH WALL (H200980-29)
BTEX 8260B
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09	
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31	
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78	
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72	

Surrogate Dibromofluoromethane 87.5% 61.3-142

Surrogate Toluene-d8 99.0% 71.3-129

Surrogate. 4-Bromofluorobenzene 93.1% 65.7-141

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/02/2012	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85	
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53	

Surrogate. 1-Chlorooctane 85.5% 55.5-154

Surrogate 1-Chlorooctadecane 83.8% 57.6-158

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 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-38 BOTTOM 1' BGS (H200980-30)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	86.9 %	61.3-142
<i>Surrogate Toluene-d8</i>	96.3 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	90.0 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

<i>Surrogate 1-Chlorooctane</i>	83.7 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	84.9 %	57.6-158

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

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-39 NORTH WALL (H200980-31)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

Surrogate Dibromofluoromethane 89.3 % 61.3-142

Surrogate Toluene-d8 97.9 % 71.3-129

Surrogate 4-Bromofluorobenzene 90.6 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	204	102	200	4.85		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	216	108	200	2.53		

Surrogate 1-Chlorooctane 89.7 % 55.5-154

Surrogate 1-Chlorooctadecane 93.3 % 57.6-158

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-40 SOUTH WALL (H200980-32)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	91.5 %	61.3-142
<i>Surrogate Toluene-d8</i>	99.8 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	94.3 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2012	ND	400	100	400	0.00		

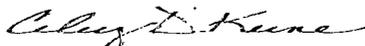
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	192	96.2	200	1.55		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	213	106	200	3.82		

<i>Surrogate 1-Chlorooctane</i>	78.6 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	82.2 %	57.6-158

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 ARTESIA NM, 88210
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Received:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-41 BOTTOM 1' BGS (H200980-33)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	87.7 %	61.3-142
<i>Surrogate Toluene-d8</i>	98.4 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	89.8 %	65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	192	96.2	200	1.55		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	213	106	200	3.82		

<i>Surrogate 1-Chlorooctane</i>	80.8 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	83.9 %	57.6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-42 NORTHWALL (H200980-34)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	86.4 %	61.3-142
<i>Surrogate Toluene-d8</i>	100 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	92.7 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	192	96.2	200	1.55		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	213	106	200	3.82		

<i>Surrogate 1-Chlorooctane</i>	70.6 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	67.8 %	57.6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-43 SOUTHWALL (H200980-35)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

Surrogate Dibromofluoromethane 88.4% 61.3-142

Surrogate Toluene-d8 95.6% 71.3-129

Surrogate 4-Bromofluorobenzene 89.0% 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/02/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	192	96.2	200	1.55		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	213	106	200	3.82		

Surrogate 1-Chlorooctane 84.7% 55.5-154

Surrogate 1-Chlorooctadecane 89.1% 57.6-158

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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:	04/30/2012	Sampling Date:	04/27/2012
Reported:	05/04/2012	Sampling Type:	Soil
Project Name:	HACKBERRY 18 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.025.01	Sample Received By:	Jodi Henson
Project Location:	SEC.18-T19S-R31E		

Sample ID: S-44 WESTWALL (H200980-36)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2012	ND	1.17	117	1.00	1.09		
Toluene*	<0.050	0.050	05/04/2012	ND	1.12	112	1.00	2.31		
Ethylbenzene*	<0.050	0.050	05/04/2012	ND	1.07	107	1.00	5.78		
Total Xylenes*	<0.150	0.150	05/04/2012	ND	3.22	107	3.00	6.72		

<i>Surrogate Dibromofluoromethane</i>	89.3 %	61.3-142
<i>Surrogate Toluene-d8</i>	99.1 %	71.3-129
<i>Surrogate 4-Bromofluorobenzene</i>	93.0 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	05/02/2012	ND	400	100	400	0.00		

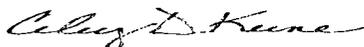
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/03/2012	ND	192	96.2	200	1.55		
DRO >C10-C28	<10.0	10.0	05/03/2012	ND	213	106	200	3.82		

<i>Surrogate 1-Chlorooctane</i>	83.3 %	55.5-154
<i>Surrogate 1-Chlorooctadecane</i>	88.9 %	57.6-158

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Celey D. Keene, Lab Director/Quality Manager

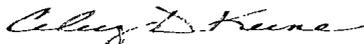
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

1-4

Company Name: Talon/PE		BILL TO		ANALYSIS REQUEST																		
Project Manager: Mike Stollefeld		P.O. #:																				
Address: 408 West Texas Ave.		Company: Talon/PE																				
City: Alameda State: NM Zip: 88210		Attn:																				
Phone #: 505-441-7254 Fax #:		Address:																				
Project #: 200794.025-01 Project Owner: Devon Energy Corp.		City:																				
Project Name: Hackberry 18 Federal No. 1		State: Zip:																				
Project Location: sec. 18 - T19C - R31E		Phone #:																				
Sampler Name: Mike Stollefeld		Fax #:																				
FOR LAB USE ONLY																						
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING											
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	805M TPH	80218 BTEX	Total chlorides						
H200980																						
1	5-9 bottom 1' bgs											4/27/2012	10:23 A	/	/	/						
2	5-10 Northside wall											4/27/2012	10:25 A	/	/	/						
3	5-11 Southside wall											4/27/2012	10:27 A	/	/	/						
4	5-12 bottom 1' bgs											4/27/2012	10:32 A	/	/	/						
5	5-13 Westside wall											4/27/2012	10:35 A	/	/	/						
6	5-14 Eastside wall											4/27/2012	10:39 A	/	/	/						
7	5-15 bottom 1' bgs											4/27/2012	10:41 A	/	/	/						
8	5-16 Westside wall											4/27/2012	10:45 A	/	/	/						
9	5-17 Eastside wall											4/27/2012	10:46 A	/	/	/						
10	5-18 bottom 1' bgs											4/27/2012	10:48 A	/	/	/						

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Relinquished By: Mike Stollefeld	Date: 4/30/2012	Received By: Jodi Henson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: 11:32		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) JH			

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#176

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

3-4

Company Name: <u>Tabor/LPE</u>		BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Mike Stubblefield</u>		P.O. #:															
Address: <u>408 West Todal Ave.</u>		Company: <u>Tabor/LPE</u>															
City: <u>Artista</u> State: <u>N.M</u> Zip: <u>88210</u>		Attn:															
Phone #: <u>505-441-7214</u> Fax #:		Address:															
Project #: <u>200794.025.01</u> Project Owner:		City:															
Project Name: <u>Hickberry 18 Fil. No. 1</u>		State: Zip:															
Project Location: <u>Sec. 18-7195-R31E</u>		Phone #:															
Sampler Name: <u>Mike Stubblefield</u>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		80110 TPA	80210 BTET	Total substances
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			
H200980																	
21	5:29 bottom .5' bps North Isotlet	G	1			/				/			4/27/2012	11:32A	/	/	
22	5:30 bottom .5' bps Location	G	1			/				/			4/27/2012	11:42A	/	/	
23	5:31 bottom .5' bps Location	G	1			/				/			4/27/2012	11:47A	/	/	
24	5:32 bottom .5' bps off location	G	1			/				/			4/27/2012	11:53A	/	/	
25	5:33 Westside wall off location	G	1			/				/			4/27/2012	11:55A	/	/	
26	5:34 Eastside wall off location	G	1			/				/			4/27/2012	11:57A	/	/	
27	5:35 bottom .5' bps rit location	G	1			/				/			4/27/2012	12:25P	/	/	
28	5:36 South wall	G	1			/				/			4/27/2012	12:25P	/	/	
29	5:37 North wall	G	1			/				/			4/27/2012	12:27P	/	/	
30	5:38 bottom .5' bps	G	1			/				/			4/27/2012	12:31P	/	/	

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Relinquished By: <u>Mike Stubblefield</u>	Date: <u>4/30/2012</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>11:32</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) Sampler - UPS - Bus - <u>Other</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <u>JTB</u>		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

4.4.

Company Name: <u>Tabor/LPE</u>		BILL TO		ANALYSIS REQUEST																						
Project Manager: <u>Mike Stubblefield</u>		P.O. #:																								
Address: <u>408 West Toddal Ave.</u>		Company: <u>Tabor/LPE</u>																								
City: <u>Artesia</u> State: <u>N.M.</u> Zip: <u>88210</u>		Attn:																								
Phone #: <u>505-441-7214</u> Fax #:		Address:																								
Project #: <u>100794.025.01</u> Project Owner:		City:																								
Project Name: <u>Hatchery 18 Fed. No. 1</u>		State: Zip:																								
Project Location: <u>Sec. 18 - T19S - R31E</u>		Phone #:																								
Sampler Name: <u>Mike Stubblefield</u>		Fax #:																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV.			SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME												
<u>H200980</u>																										
<u>31</u>	<u>5:39 North wall</u>	<u>G</u>	<u>1</u>			/				/			<u>4/27/2012</u>	<u>12:35 P</u>	/	/										
<u>32</u>	<u>5:40 South wall</u>	<u>G</u>	<u>1</u>			/				/			<u>4/27/2012</u>	<u>12:38 P</u>	/	/										
<u>33</u>	<u>5:41 bottom 1' bgs</u>	<u>G</u>	<u>1</u>			/				/			<u>4/27/2012</u>	<u>12:43 P</u>	/	/										
<u>34</u>	<u>5:42 North wall</u>	<u>G</u>	<u>1</u>			/				/			<u>4/27/2012</u>	<u>12:46 P</u>	/	/										
<u>35</u>	<u>5:43 South wall</u>	<u>G</u>	<u>1</u>			/				/			<u>4/27/2012</u>	<u>1:02 P</u>	/	/										
<u>36</u>	<u>5:44 West wall</u>	<u>G</u>	<u>1</u>			/				/			<u>4/27/2012</u>	<u>1:07 P</u>	/	/										

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Relinquished By: <u>Mike Stubblefield</u>	Date: <u>4/30/2012</u> Time: <u>11:35</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - <u>Other</u>		Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <u>JH</u>	

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