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 (575) 441.7254 cell www.talonlpe.com



Better Business Bureau Torch Award for Marketplace Ethics² 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 e-mail: celey.keene@cardinallabsnm.com

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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 accreditated 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,

Celez D. Keine-

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d 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	953	% 61 3-14	2						
Surrogate Toluene-d8	97.0	% 71.3-12	9						
Sui rogate 4-Bromofluorobenzene	137	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 55.5-15	54						
Surrogate 1-Chlorooctadecane	150	% 576-15	8						

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 42



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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-10 NORTHSIDE WALL (H200980-02)

BTEX 8260B	mg/	kg	Analyze	d 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	% 613-14	2				-		
Surrogate Toluene-d8	101 9	71 3-12	9						
Surrogate. 4-Bromofluorobenzene	98.2	% 65 7-14	1						
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	Analyze	d 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 9	% 55 5-15	i <i>4</i>	<u></u>					
Surrogate 1-Chlorooctadecane	131 9	57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 42



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	Analyze	d By: CMS		<u>. </u>			
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	% 61.3-14	2		· · · · ·				
Surrogate Toluene-d8	101 9	% 71.3-12	9						
Surrogate 4-Bromofluorobenzene	938	% 65 7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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 9		4						
Surrogate 1-Chlorooctadecane	145 :	% 57 6-15	8						

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 42



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 48 FED. NO. 1	Sampling Condition:	Cool & Intact	•
Project Number:	700794.025.01	Sample Received By:	Jodı Henson	
Project Location:	SEC.18-T19S-R31E			

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

BTEX 8260B	mg/	kg	Analyze	d 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 3-14	2						
Surrogate. Toluene-d8	101 9	% 71.3-12	9						
Surrogate 4-Bromofluorobenzene	100 :	65 7-14	1						
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	Analyze	d 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	NĎ	208	104	200	8.14	
Surrogate 1-Chlorooctane	134	% 55 5-13	4				11-11-		
Surrogate 1-Chlorooctadecane	167	% 576-1	8						

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Celey D. Keene, Lab Director/Quality Manager



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-13 WESTSIDE WALL (H200980-05)

BTEX 8260B	mg,	'kg	Analyze	d 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	894	% 61 3-14	2		• •••				demonstration of
Surrogate [•] Toluene-d8	100	% 713-12	9						
Surrogate 4-Bromofluorobenzene	98 <i>2</i>	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					. <u> </u>
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 .	Analyze	d 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 5-15	4						
Surrogate 1-Chlorooctadecane	115	% 576-15	8						

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Celey D. Keene, Lab Director/Quality Manager

Page 6 of 42



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-14 EASTSIDE WALL (H200980-06)

BTEX 8260B	mg,	′kg	Analyze	d 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 3-14	2						
Surrogate Toluene-d8	991	% 713-12	9						
Surrogate 4-Bromofluorobenzene	99 <u>3</u>	% 65 7-14	1	•					
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS			<u>.</u>		
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 5-15	4						·
Surrogate 1-Chlorooctadecane	141	% 576-15	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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-15 BOTTOM 1' BGS (H200980-07)

BTEX 8260B	mg,	'kg	Analyze	d 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	
Survogate [,] Dibromofluoromethane	86.5	% 61 3-14	2						
Surrogate Toluene-d8	98.4	% 71 3-12	9						
Surrogate [.] 4-Bromofluorobenzene	976	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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 5-15	4						-
Surrogate 1-Chlorooctadecane	153	% 576-15	· 0						

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Celey D. Keene, Lab Director/Quality Manager

Page 8 of 42



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	Analyze	d 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	876	% 613-14	2						
Surrogate Toluene-d8	996	% 713-12	9						
Surrogate 4-Bromofluorobenzene	933	% 65 7-14	1				•		
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	, BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2012	ND	400	100	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% 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 5-15							
Surrogate 1-Chlorooctadecane	123	% 576-15	8						

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Celey D. Keene, Lab Director/Quality Manager

. Page 9 of 42



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	Analyze	d 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	874	% 61 3-14	2						
Surrogate Toluene-d8	994	% 71 3-12	9						
Surrogate 4-Bromofluorobenzene	93 0	% 65 7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 55.5-15	4						
Surrogate 1-Chlorooctadecane	138	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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-18 BOTTOM 1' BGS (H200980-10)

BTEX 8260B	mg/	kg	Analyze	d 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	873	% 61 3-14	2	·					
Surrogate Toluene-d8	977	% 71 3-12	9						
Surrogate 4-Bromofluorobenzene	94 6	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d 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	Analyze	d 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 5-15	4						
Surrogate 1-Chlorooctadecane	139	% 57 6-15	8						

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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-19 WESTWALL (H200980-11)

BTEX 8260B	mg/	'kg	Analyze	d 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 3-14	2						
Surrogate Toluene-d8	98 5	% 713-12	9						
Surrogate 4-Bromofluorobenzene	98.6	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Ąnalyte	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	
трн 8015м	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% 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	
Survogate 1-Chlorooctane	168	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	153	% 57 6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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-20 EASTWALL (H200980-12)

BTEX 8260B	mg/	kg	Analyze	d 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	% 61.3-14	2						
Surrogate Toluene-d8	100 9	% 713-12	9						
Surrogate 4-Bromofluorobenzene	98 6	% 65 7-14	1						
Chloride, SM4500CI-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	
ТРН 8015М	mg/	'kg	Analyze	d 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 5-15	4			*** **			
Surrogate 1-Chlorooctadecane	996	% 576-15	8						

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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-21 BOTTOM 1' BGS (H200980-13)

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BTEX 8260B	mg,	/kg	Analyze	d 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	% 61.3-14	2						
Surrogate Toluene-d8	957	% 71.3-12	9						
Surrogate 4-Bromofluorobenzene	118	% 65 7-14	1						
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	Analyze	d 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 5-15	4						
Surrogate 1-Chlorooctadecane	105	% 576-15	8						

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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-22 WESTWALL (H200980-14)

BTEX 8260B	mg,	/kg	Analyze	d 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	890	890% 613-142							
Surrogate Toluene-d8	98.6 % 71.3-129		9						
Surrogate [•] 4-Bromofluorobenzene	97 9	% 65 7-14	1						
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	Analyze	d 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 5-15	4						
Surrogate. 1-Chlorooctadecane	75 1	% 576-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 613-14	2						
Surrogate Toluene-d8	98 5	% 71.3-12	9						
Surrogate 4-Bromofluorobenzene	93.9	65.7-14	1						
Chloride, SM4500CI-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	Analyze	d 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	
Survogate 1-Chlorooctane	80 7	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	823	% 57 6-15	8						

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Celey D. Keene, Lab Director/Quality Manager

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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-24 BOTTOM 1' BGS BATT. (H200980-16)

BTEX 8260B	mg,	/kg	Analyze	d 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 3-14	2						
Surrogate [.] Toluene-d8	101	% 713-12	9						
Surrogate. 4-Bromofluorobenzene	115	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg ·	Analyze	d 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	Analyze	d 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 5-15	4						
Surrogate 1-Chlorooctadecane	252	% 576-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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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-25 SOUTHSIDE WALL BATT. (H200980-17)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% 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	878	% 61 3-14	2						
Surrogate Toluene-d8	98 0	% 71 3-12	9						
Surrogate 4-Bromofluorobenzene	984	% 65.7-14	1						
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	Analyze	d 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	4
Surrogate [•] 1-Chlorooctane	86 7	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	129	% 576-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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 Analyzed By: CMS mg/kg Analyte Reporting Limit Analyzed Method Blank ВS % Recovery True Value QC RPD Qualifier Result Benzene* < 0.050 0.050 05/03/2012 ND 1.00 8.37 1.05 105 Toluene* < 0.050 0.050 05/03/2012 ND 1.00 1.00 100 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 900% 61 3-142 Survogate Toluene-d8 992% 71 3-129 Surrogate 4-Bromofluorobenzene 927% 65 7-141 Chloride, SM4500CI-B Analyzed By: HM mg/kg 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 Analyzed By: MS TPH 8015M mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Vaiue QC RPD Qualifier GRO C6-C10 <10.0 10.0 05/03/2012 ND 204 102 200 4.85 DRO >C10-C28 ND 26.7 10.0 05/03/2012 216 108 200 2.53 Surrogate 1-Chlorooctane 80.9 % 55 5-154 Surrogate 1-Chlorooctadecane 823% 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 05/03/2012 ND 1.05 105 1.00 8.37 Benzene* < 0.050 0.050 Toluene* < 0.050 0.050 05/03/2012 ND 1.00 100 1.00 5.54 Ethylbenzene* 05/03/2012 0.989 < 0.050 0.050 ND 98.9 1.00 6.32 Total Xylenes* 05/03/2012 2.99 3.00 < 0.150 0.150 ND 99.8 7.09 Surrogate Dibiomofluoromethane 872% 61 3-142 Surrogate Toluene-d8 979% 71 3-129 Surrogate 4-Bromofluorobenzene 916% 65 7-141 Chloride, SM4500CI-B Analyzed By: HM mg/kg 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 Analyzed By: MS mg/kg 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 Surrogate 1-Chlorooctane 837% 55 5-154 869% Surrogate 1-Chlorooctadecane 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	Analyze	d 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 3-14	2						
Surrogate. Toluene-d8	98 3	· 71 3-12	9						
Surrogate 4-Bromofluorobenzene	90 5	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM			1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	80.0	16.0	05/02/2012	ND	400	100	400	0 00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 5-15	4						
Surrogate. 1-Chlorooctadecane	81.8	% 576-15	8						

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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-29 BTTM .5' BGS HT (H200980-21)

BTEX 8260B	mg/	'kg	Analyze	d 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	906	% 61 3-14	2						
Surrogate Toluene-d8	97.8	% 71 3-12	9						
Surrogate: 4-Bromofluoi obenzene	89.8	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d By: MS				<u>.</u>	
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	% 55.5-15	4						
Surrogate. 1-Chlorooctadecane	829	% 57.6-15	8						

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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-30 BTTM .5' BGS LOC. (H200980-22)

BTEX 8260B Analyzed By: CMS mg/kg 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 05/04/2012 1.00 Toluene* < 0.050 0.050 ND 1.12 112 2.31 Ethylbenzene* < 0.050 0.050 05/04/2012 ND 1.07 107 1.00 5.78 05/04/2012 3.00 6.72 Total Xylenes* < 0.150 0.150 ND 3.22 107 877% 61 3-142 Surrogate Dibromofluoromethane Surrogate Toluene-d8 956% 71 3-129 Surrogate 4-Bromofluorobenzene 887% 65 7-141 Chloride, SM4500Cl-B mg/kg Analyzed By: HM RPD Qualifier Result Reporting Limit Analyzed Method Blank BS True Value QC Analyte % Recovery 100 400 Chloride 176 16.0 05/02/2012 ND 400 0.00 **TPH 8015M** mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier GRO C6-C10 <10.0 10.0 05/03/2012 ND 102 200 204 4.85 DRO >C10-C28 23.2 10.0 05/03/2012 ND 216 108 200 2.53 Surrogate 1-Chlorooctane 859% 55 5-154 Surrogate 1-Chlorooctadecane 838% 57 6-158

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Page 23 of 42



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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-31 BTTM .5' BGS OFF LOC. (H200980-23)

BTEX 8260B	mg,	′kg	Analyze	d 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	
Suirogate Dibromofluoromethane	878	% 61 3-14	2						
Surrogate. Toluene-d8	97.5	% 713-12	9						
Surrogate 4-Biomofluorobenzene	934	% 65 7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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 8	% 55 5-15	4						
Surrogate. 1-Chlorooctadecane	774	% 576-15	8						

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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-32 BTTM .5' BGS OFF LOC. (H200980-24)

BTEX 8260B	mg,	'kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Biank	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 3-14	2						
Surrogate Toluene-d8	98 <u>3</u>	% 71 3-12	9						
Surrogate. 4-Bromofluorobenzene	908	% 65 7-14	I						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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 I-Chlorooctane	87 5	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	88 7	% 57 6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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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-33 WESTSIDE WALL OFF LOC. (H200980-25)

BTEX 8260B	mg/	kg	Analyze	d 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 3-14	2						
Surrogate Toluene-d8	977	% 713-12	9					• •	
Surrogate · 4-Biomofluorobenzene	90 5	% * 65 7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP		· · · · · · · · · · · · · · · · · · ·			
Analyte	Result	Reporting	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	Analyze	d 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	896	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	93 1	% 576-15	8						

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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-34 EASTSIDE WALL OFF LOC. (H200980-26)

BTEX 8260B	mg/	/kg	Analyze	d 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	88.2	% 61.3-14	2		•	<u> </u>			
Surrogate Toluene-d8	983	% 713-12	9						
Surrogate 4-Bromofluorobenzene	914	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP			· <u> </u>	<u></u>	
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	Analyze	d 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	90 0	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	963	% 57.6-15							

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Page 27 of 42



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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	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% 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 5	% 61 3-14	2	,		,			
Surrogate Toluene-d8	97.6	% 713-12	9						
Surrogate 4-Bromofluorobenzene	913	% 65 7-14	Ι						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	83 9	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	824	% 576-15	8						

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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-36 SOUTH WALL (H200980-28)

BTEX 8260B	mg/	kg	Analyze	d 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 2	% 61 3-14	2						
Surrogate Toluene-d8	986	% 713-12	9						
Surrogate 4-Bromofluorobenzene	92 3	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP			ŧ		
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	Analyze	d 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	95.8	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	957	% 576-15	8						

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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)

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BTEX 8260B	mg/	kg	Analyze	d 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	% 613-14	2						
Surrogate Toluene-d8	99 0	% 713-12	9						
Surrogate. 4-Biomofluorobenzene	93 1	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 5-15	54						
Surrogate 1-Chlorooctadecane	838	% 57 6-15	58						

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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-38 BOTTOM 1' BGS (H200980-30)

BTEX 8260B	mg/	'kg	Analyze	d 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	86 9	% 613-14	2						
Surrogate Toluene-d8	963	% 713-12	9						
Surrogate 4-Bromofluorobenzene	90.0	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP		·····-		,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPĎ	Qualifier
Chloride	224	16.0	05/02/2012	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d 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	83 7	55 5-15	4			1.0.00			
Surrogate 1-Chlorooctadecane	84 9	% 57 6-15	8						

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Page 31 of 42



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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-39 NORTH WALL (H200980-31)

BTEX 8260B	mg/	kg	Analyze	d By: CMS				·	
Anaiyte	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	893	% 61 3-14	2						
Surrogate Toluene-d8	97 9	% 713-12	9						
Surrogate 4-Biomofluorobenzene	906	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 5-15	4						
Surrogate 1-Chlorooctadecane	93 3	% 576-15	8						

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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-40 SOUTH WALL (H200980-32)

BTEX 8260B	mg,	kg	Analyze	d 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	915	% 613-14	2				····		
Surrogate Toluene-d8	998	% 713-12	9						
Surrogate · 4-Bromofluor obenzene	943	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	78 6	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	82 2	% 57 6-15	8						

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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	Analyze	d 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	% 613-14	2						
Surrogate Toluene-d8	98.4	% 713-12	9						
Surrogate · 4-Bromofluorobenzene	89.8	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS				<u>.</u>	
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	80 8	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	83 9	% 57 6-15	8						

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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-42 NORTHWALL (H200980-34)

BTEX 8260B	mg/	kg	Analyze	d 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	86 4	% 61.3-14	2						
Surrogate [•] Toluene-d8	100 5	% 713-12	9			•			
Surrogate 4-Bromofluorobenzene	92 7	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	70 6	% 55.5-15	4						
Surrogate 1-Chlorooctadecane	678	% 57 6-15	8						

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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-43 SOUTHWALL (H200980-35)

BTEX 8260B	mg/	'kg	Analyze	d 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	NÐ	3 22	107	3.00	6.72	
Surrogate Dibromofluoromethane	884	% 61 3-14	2						
Surrogate Toluene-d8	956	% 713-12	9						
Surrogate 4-Bromofluorobenzene	89 0	% 65 7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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 5-15	4					4	
Surrogate 1-Chlorooctadecane	891	% 57 6-15	8						

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Celeg D. Keine-

Celey D. Keene, Lab Director/Quality Manager

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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	Analyze	d 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	893	% 61 3-14	2						
Surrogate Toluene-d8	991	% 71 3-12	9						
Surrogate [•] 4-Bromofluorobenzene	930	% 65 7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	83 3	% 55 5-15	4						
Survogate 1-Chlovooctadecane	88 9	% 576-15	8						

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Celey D. Keine

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 SM4500CI-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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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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