



September 30, 2013

Mr. Dan Landenberger
DCP MIDSTREAM
10 Desta Dr. Ste. 400W
Midland, TX 79705

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

Subject: **Soil Assessment and Remediation Work Plan**
DCP Midstream
20200 North Release

Dear Mr. Landenberger

DCP Midstream (DCP) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

The DCP 20200 North Release is located approximately forty (40) miles Southeast of Carlsbad, New Mexico. The legal location for this site is Unit H of Section 23, Township 23 South, Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.289742 North and -103.743436 West. A site plan is attached in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in the area is made up of Berino loamy fine sand with 0 to 3 percent slopes. Per the New Mexico Bureau of geology and mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian and piedmont deposits. Ground water in the project vicinity is approximately 160-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is 0 based on the following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On September 2, 2013 DCP personnel discovered a release on their 20200 pipeline. The release contained of approximately 10 to 15 barrels of fluid. As part of the initial response activities some of the impacted soil was removed and placed on plastic liner. The rest of the impacted soil was pushed into piles and contained to prevent runoff from potential rain storms in the area.

Talon was contracted to conduct a site assessment and perform sampling activities. On September 16, 2013 test trenches were dug (utilizing a backhoe) Grab soil samples were taken within the test trenches in order to examine the extent of the impacts. A hard petrocalcic horizon was encountered at depths between 2 to 2.5-feet bgs, because of this restrictive soil horizon we were not able delineate the site any further. The results of the above mentioned sampling activities are summarized below.

Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH(mg/kg) DRO
S-1	0	ND	ND	ND	19.3
S-2	0	ND	ND	ND	13.4
S-3	0	ND	ND	ND	ND
S-4	0	ND	ND	ND	ND
S-5	0	50.3	ND	1100	11100
S-6 refusal	2	ND	ND	ND	10.1
S-7 refusal	2.5	357	3360	8580	25800
S-8	0	ND	688	11000	52800
S-8 refusal	2'	161	16	2740	7930
S-9	0	ND	ND	ND	ND
S-10 refusal	2.5	ND	ND	ND	ND
S-11	0	0.724	ND	13.6	326
S-12	0	ND	ND	ND	70.4

(ND) Analyte not detected

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 5,000 mg/kg for TPH.


Proposed Remedial Actions

- The impacted areas within the vicinities of sample locations S-5, S-7 and S-8 will be excavated to a depth of 3-feet bgs.
- All of the impacted soil will be hauled to a NMOCD approved solid waste disposal facility.
- Confirmation soil samples will be taken to insure that all of the impacted soil was removed.
- The excavated area will be backfilled to grade with sand and contoured to match the surrounding terrain.
- The backfilled area will be seeded using BLM #2 seed mixture.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

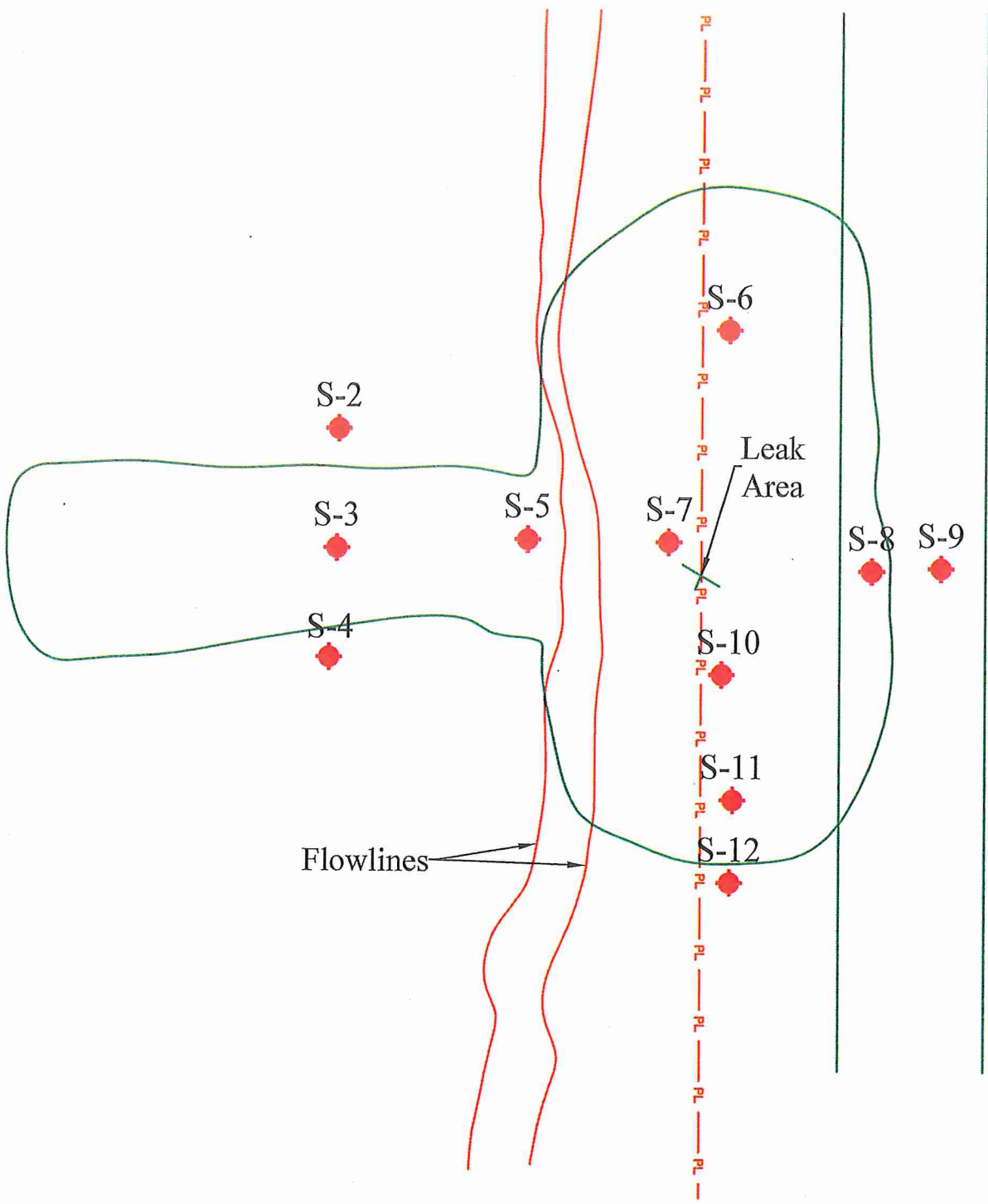
Respectfully submitted,


Sheldon Hitchcock
Environmental Scientist


David J. Adkins
District Manager

SITE PLAN

1



0 15 30
Scale in Feet

Legend

- ◆ - Sample Location
- PL --- - Pipeline



Date: 10/08/2013
Scale: 1" = 30'
Drawn By: TJS

20200 Line North Release
DCP Midstream, LP
Eddy County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02258	C	ED		3	2	26	23S	31E		618055	3571853*	1271	662		
C 02348	C	ED		1	4	3	26	23S	31E	617648	3571068	2148	500		
C 02777		ED		2	2	2	15	23S	31E	616905	3575562*	2932	1001		
C 02405	C	ED		4	1	02	24S	31E		617690	3568631*	4496	275	160	115
C 02464	C	ED		3	4	1	02	24S	31E	617589	3568530*	4613	320	205	115

Average Depth to Water: 182 feet

Minimum Depth: 160 feet

Maximum Depth: 205 feet

Record Count: 5

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 618442

Northing (Y): 3573064

Radius: 5000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/17/13 9:42 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company DCP Midstream, LP	Contact Dan Landenberger
Address 10 Desta Drive, Suite 400 W, Midland, TX., 79705	Telephone# & E-mail: 432.620.4085/ drlandenberger@dcpmidstream.com
Facility Name Line Name: 20-200	Facility Type Pipeline

Surface Owner BLM	Mineral Owner	API No.
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LOCATION OF RELEASE

Unit Letter	Section 23	Township 23S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude **N32.289696** Longitude **W103.74347**

NATURE OF RELEASE


Type of Release Gas and Crude oil	Volume of Release 250 Mscf and 10-15 bbls	Volume Recovered
Source of Release Pipeline (Line Name: 20-200)	Date and Hour of Occurrence 9/2/2013 20:30	Date and Hour of Discovery 9/2/2013 20:30
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Dan Landenberger	Date and Hour 9/3/2013 7:50	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.* **N/A**

Describe Cause of Problem and Remedial Action Taken.* **Leak in pipeline caused discharge of gas and crude oil. Visible free liquids mixed with surrounding soil to minimize runoff from weather (rain).**

Describe Area Affected and Cleanup Action Taken.*
10 ft by 100 ft (primary area) affected by crude oil. Removed surface contamination and placed on plastic. Remediation will follow when line is repaired and put back into service.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

 Signature:		OIL CONSERVATION DIVISION	
Printed Name: Dan Landenberger		Approved by Environmental Specialist:	
Title: Sr. Environmental Specialist	Approval Date:	Expiration Date:	
E-mail Address: drlandenberger@dcpmidstream.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 09/03/2013	Phone: 432-620-4085		

LABORATORY RESULTS



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

September 23, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: 20200 NORTH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/16/13 15:20.

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/ga/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,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0' (H302230-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2013	ND	2.21	111	2.00	0.770	
Toluene*	<0.050	0.050	09/17/2013	ND	2.32	116	2.00	0.747	
Ethylbenzene*	<0.050	0.050	09/17/2013	ND	2.39	120	2.00	0.772	
Total Xylenes*	<0.150	0.150	09/17/2013	ND	7.27	121	6.00	0.00775	
Total BTEX	<0.300	0.300	09/17/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

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	09/17/2013	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	19.3	10.0	09/18/2013	ND	189	94.7	200	2.84	

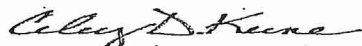
Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H302230-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2013	ND	2.21	111	2.00	0.770	
Toluene*	<0.050	0.050	09/17/2013	ND	2.32	116	2.00	0.747	
Ethylbenzene*	<0.050	0.050	09/17/2013	ND	2.39	120	2.00	0.772	
Total Xylenes*	<0.150	0.150	09/17/2013	ND	7.27	121	6.00	0.00775	
Total BTEX	<0.300	0.300	09/17/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

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	09/17/2013	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	13.4	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0' (H302230-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	<0.050	0.050	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	<0.050	0.050	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	<0.150	0.150	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	<0.300	0.300	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

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	09/17/2013	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

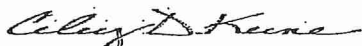
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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*=Accredited Analyte

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0' (H302230-04)

BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	<0.050	0.050	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	<0.050	0.050	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	<0.150	0.150	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	<0.300	0.300	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

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	09/17/2013	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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* = Accredited Analyte

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Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-5 0' (H302230-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	7.03	1.00	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	9.64	1.00	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	33.7	3.00	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	50.3	6.00	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 151 % 89.4-126

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	09/17/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1100	50.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	11100	50.0	09/18/2013	ND	189	94.7	200	2.84	

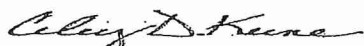
Surrogate: 1-Chlorooctane 183 % 65.2-140

Surrogate: 1-Chlorooctadecane 305 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 2' (H302230-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	<0.050	0.050	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	<0.050	0.050	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	<0.150	0.150	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	<0.300	0.300	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 89.4-126

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	09/17/2013	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	10.1	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane 115 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-7 2.5' (H302230-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	20.2	5.00	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	90.4	5.00	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	55.2	5.00	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	191	15.0	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	357	30.0	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 140 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	09/17/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	8580	200	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	25800	200	09/18/2013	ND	189	94.7	200	2.84	

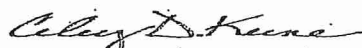
Surrogate: 1-Chlorooctane 331 % 65.2-140

Surrogate: 1-Chlorooctadecane 621 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-8 0' (H302230-08)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.11	5.00	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	53.9	5.00	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	45.0	5.00	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	161	15.0	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	268	30.0	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/17/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11000	200	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	52800	200	09/18/2013	ND	189	94.7	200	2.84	

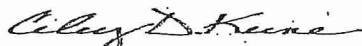
Surrogate: 1-Chlorooctane 494 % 65.2-140

Surrogate: 1-Chlorooctadecane 1320 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/16/2013
Reported: 09/23/2013
Project Name: 20200 NORTH RELEASE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/16/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-8 2' (H302230-09)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.39	2.00	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	35.1	2.00	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	27.4	2.00	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	91.8	6.00	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTX	161	12.0	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 150 % 89.4-126

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	09/18/2013	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2740	100	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	7930	100	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane 238 % 65.2-140

Surrogate: 1-Chlorooctadecane 224 % 63.6-154

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-9 0' (H302230-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2013	ND	1.99	99.3	2.00	15.2	
Toluene*	<0.050	0.050	09/18/2013	ND	2.04	102	2.00	14.5	
Ethylbenzene*	<0.050	0.050	09/18/2013	ND	2.08	104	2.00	14.4	
Total Xylenes*	<0.150	0.150	09/18/2013	ND	6.18	103	6.00	14.5	
Total BTEX	<0.300	0.300	09/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 117 % 89.4-126

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	09/18/2013	ND	416	104	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

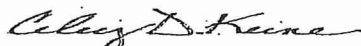
Surrogate: 1-Chlorooctane 115 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-10 2.5' (H302230-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

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	09/18/2013	ND	416	104	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	09/20/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/20/2013	ND	189	94.7	200	2.84	

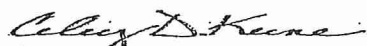
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/16/2013
Reported: 09/23/2013
Project Name: 20200 NORTH RELEASE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/16/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-11 0' (H302230-12)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	0.082	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	0.146	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	0.496	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	0.724	0.300	09/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 131 % 89.4-126

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	09/18/2013	ND	416	104	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	13.6	10.0	09/20/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	326	10.0	09/20/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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Analytical Results For:

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

Received:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/23/2013	Sampling Type:	Soil
Project Name:	20200 NORTH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-12 0' (H302230-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

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	09/18/2013	ND	416	104	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	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	70.4	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager

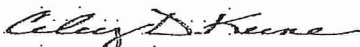
Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

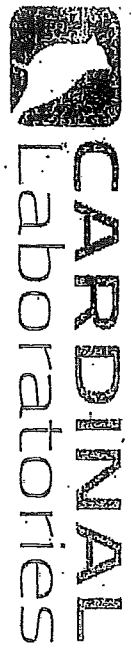
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon / LPE		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: D. Adkins		Company: Talon / LPE															
Address: 408 W. Texas Ave.		City: Hobbs															
State: NM Zip: 88240																	
Phone #: 575-744-8768 Fax #: 575-744-8905																	
Project #:																	
Project Name: 20200 North Plains																	
Project Location:																	
Sampler Name: Sheldon Hildebrand																	
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH	BTEX	Chlorides
1	5-1 0'	G-1	1	/	/	/	/	/	/	/	/	/	9/14/13	10:51	/	/	/
2	5-2 0'	G-1	1	/	/	/	/	/	/	/	/	/	10:55	10:55	/	/	/
3	5-3 0'	G-1	1	/	/	/	/	/	/	/	/	/	10:59	11:00	/	/	/
4	5-4 0'	G-1	1	/	/	/	/	/	/	/	/	/	11:00	11:05	/	/	/
5	5-5 0'	G-1	1	/	/	/	/	/	/	/	/	/	11:05	11:12	/	/	/
6	5-6 0'	G-1	1	/	/	/	/	/	/	/	/	/	11:14	11:16	/	/	/
7	5-7 2.5'	G-1	1	/	/	/	/	/	/	/	/	/	11:16	11:31	/	/	/
8	5-8 0'	G-1	1	/	/	/	/	/	/	/	/	/	11:31	11:47	/	/	/
9	5-8 2'	G-1	1	/	/	/	/	/	/	/	/	/	11:47		/	/	/
10	5-9 0'	G-1	1	/	/	/	/	/	/	/	/	/			/	/	/

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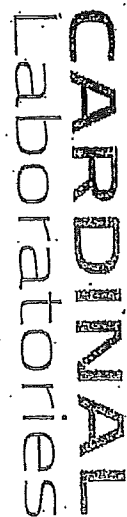
Relinquished By: Sheldon Hildebrand Date: 9/16/13 Time: 3:30 Received By: April Mendon

Delivered By: (Circle One) UPS Bus Other Sample Condition: Good Intact Yes No Yes No CHECKED BY: [Signature]

Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:

REMARKS: 54

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BILL TO

ANALYSIS REQUEST

75#