



May 6, 2013

Mr. Geoffrey Leking
NMOCD District 1
1625 N. French Dr.
Hobbs, NM 88240

HOBBS OCD

JUL 09 2013

RECEIVED

Subject: **Soil Remediation Work Plan**
Centurion Pipeline, L.P.
Brahamey Gathering System 8" Line
LMEP #308-11-027

Dear Mr. Leking,

Centurion Pipeline, L.P. (Centurion) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services for the referenced Brahamey Gathering System 8-inch Line release. These activities are a follow up to Talon's previous site assessment as directed by the NMOCD. Soil and groundwater sampling results and a proposed work plan to perform soil remediation activities consist of the following:

Incident Date

September 25, 2011

Background Information

The Brahamey Gathering System 8-inch Line is located approximately four (4) miles southeast of Bronco, Texas. The legal location for the site is Section 4, Township 13 South and Range 38 East in Lea County, New Mexico. More Specifically the latitude and longitude for the release are 33 12.847' North and -103 06.603' West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Amarillo loamy fine sand, with 0 to 3 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of calcareous-loamy alluvium and calcareous-loamy eolian sands which includes silty soils underlain by sedimentary rock and hard caliches. Drainage courses in this area are normally dry. Groundwater was measured at 86-88 feet deep in the monitoring wells installed for this project.

The ranking for this site is 20 based on the as following:

Depth to ground water	<50'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

*approved pending concurrence
by handrunner & GW mon per OCD-SF*

Geoffrey Leking

Environmental Specialist
NMOCD-DIST 1

7/09/13

OCT 15 2013

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

AUSTIN
911 West Anderson Lane
Suite 202
Austin, Texas 78757
Phone 512.989.3428
Fax 512.989.3487

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

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

TULSA
525 South Main Street
Suite 535
Tulsa, Oklahoma 74103
Phone 918.742.0871
Fax 918.382.0232

ENVIRONMENTAL CONSULTING
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CONSTRUCTION
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GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On September 25, 2011, internal corrosion of the 8" steel pipeline caused a leak in the Brahaney Gathering System resulting in a release of 4-5 barrels of sweet crude oil. No oil was recovered. The pipeline was immediately shut-in and the damaged pipeline was replaced on September 26, 2011. The impacted soil relating to the pipeline repairs was excavated, sampled and transported to Gandy Marley Landfill on September 28, 2011. The impacted area measured approximately 20-feet long by 8-feet wide over the pipeline right of way.

Sampling Activities

Talon mobilized a drill rig to the site for vertical delineation of the release. On October 14, 2011 boring B-1 was drilled where shown on the attached site plan. Undisturbed, split spoon samples were collected utilizing hollow stem auger drilling techniques. The boring was terminated when refusal was encountered at 45-feet deep.

On March 9, 2012 Talon personnel returned to the site with an air rotary drill rig to obtain soil samples at greater depths. The boring B-1 was re-drilled and soil samples were collected from 5-feet deep to a depth of 95-feet deep below land surface. Chloride analysis was added pursuant to the request of New Mexico Oil Conservation Division (NMOCD).

From January 30, 2013 thru February 6, 2013 Talon personnel returned to the site with an air rotary drill rig to drill additional boreholes. These borings were drilled at the request of the NMOCD and the landowner. A subsequent work plan for these tasks was approved by the NMOCD. Undisturbed, split spoon soil samples were collected and sent to Cardinal Laboratories for analysis. Installation of groundwater monitoring wells was also a component of this additional site assessment.

Mr. Leking of the NMOCD and Mr. Harris, landowner, were on-site to witness all of the drilling and sampling activities. Mr. Harris was also given duplicate groundwater samples which were collected in the event he desired independent verification of the laboratory data.

All soil and groundwater samples were collected by Talon personnel wearing clean nitrile gloves. The soil and groundwater samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, volatile organics (BTEX) using EPA Method 8021B and analysis of chlorides were done via Method SM4500Cl-B. The complete laboratory reports are attached as Appendix II.

Soil Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

October 18, 2011, Laboratory Report Date

<u>Sample, Depth</u>	<u>BTEX</u>	<u>TPH (mg/kg)</u>
B-1 10'	225.56	21,490
12'	211.72	19,740
14'	240.94	20,770
16'	230.27	29,570
20'	326.02	40,400
30'	341.47	28,340
35'	<0.15	138
38'	<0.15	49.1
45'	20.56	4,006

March 14, 2012, Laboratory Report Date

<u>Sample, Depth</u>	<u>BTEX</u>	<u>Chlorides</u>	<u>TPH (mg/kg)</u>
B-1 5'	--	<16	--
10'	--	<16	--
15'	--	<16	--
20'	--	<16	--
25'	--	<16	--
30'	--	<16	--
35'	--	<16	--
40'	--	<16	--
45'	--	<16	--
65'	0.48	<16	1364
70'	<0.150	<16	182
75'	<0.150	<16	92
80'	<0.150	16	189
85'	<0.150	16	262
90'	<0.150	16	604
95'	<0.150	16	335

--Analyte Not Tested

Soil Analytical Results cont.

February 18, 2013, Laboratory Report Date

<u>Sample, Depth</u>	<u>BTEX</u>	<u>Chlorides</u>	<u>TPH (mg/kg)</u>
B-2 5'	<0.300	--	<10
10'	<0.300	--	<10
20'	<0.300	--	<10
50'	<0.300	--	<10
100'	<0.300	--	<10
B-3 5'	<0.300	--	<10
10'	<0.300	--	<10
20'	<0.300	--	<10
50'	<0.300	--	<10
90'	<0.300	--	<10
B-4 5'	<0.300	--	<10
10'	<0.300	--	<10
20'	<0.300	--	<10
50'	<0.300	--	<10
90'	<0.300	--	<10
MW-2 5'	<0.300	--	<10
10'	<0.300	--	<10
20'	<0.300	--	<10
50'	<0.300	--	<10
100'	<0.300	--	<10
MW-4 5'	<0.300	--	<10
10'	<0.300	--	<10
20'	<0.300	--	<10
50'	<0.300	--	<10
100'	<0.300	--	<10

--Analyte Not Tested

A Photo Ionization Device (PID Meter) was used to screen additional soil samples for indications of petroleum contamination. Our soil vapor results are presented below.

<u>Sample, Depth</u>	<u>ppm (parts per million)</u>	<u>Sample, Depth</u>	<u>ppm</u>
B-3 5'	0.0	B-5 5'	0.0
10'	4.3	10'	0.0
20'	4.3	20'	0.0
35'	4.2	30'	0.0
40'	7.6	40'	0.0
45'	0.4	50'	0.0
65'	0.0	60'	0.0
70'	3.7	70'	2.6
80'	7.5	80'	1.4
85'	0.2		

Groundwater Monitoring Well Results

July 11, 2012, Laboratory Report Date

<u>Sample</u>	<u>BTEX</u>	<u>Chlorides</u>	<u>TPH (mg/L)</u>
MW-1	0.003	56*mg/L	<1
20.6.2 NMAC**	0.01	250	

*Indicates naturally occurring levels, no chlorides detected in soil samples

**Title 20, Chapter 6, Part 2 of New Mexico Water Quality Control Act, and Human Health Standards

April 3, 2013, Laboratory Report Date

<u>Sample</u>	<u>BTEX</u>	<u>TPH (mg/L)</u>
MW-2	<0.006	<1
MW-3	<0.006	<1
MW-4	<0.006	<1

Depth to Groundwater

<u>Well</u>	<u>Depth (ft)</u>	<u>Date</u>
MW-1	86.85'	2/06/2013
MW-2	88.79'	3/26/2013
MW-3	87.55'	3/26/2013
MW-4	87.13'	3/26/2013

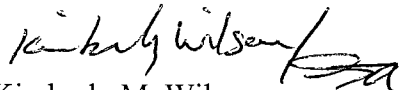
Proposed Remedial Actions

- The contaminated soil in the vicinity of B-1 will be excavated to a depth of 20-feet deep measuring approximately 25-feet long by 20-feet wide. The excavated soil will be transported to a NMOCD approved disposal facility.
- Confirmation soil samples will be collected from the east side wall of the excavation and presented to the NMOCD for permission to cease excavation activities in this direction.
- The excavation will be backfilled using soil purchased from the land owner, Wes Harris, to a depth of 5-feet deep. A 20 mil liner will be subsequently installed. The excavation and liner will then backfilled to surface.
- The area will be contoured to match the surrounding terrain and seeded using the preferred seed mixture of the land owner.

Should you have any questions or if further information is required, please do not hesitate to contact us at 575.746.8768.

Respectfully submitted,

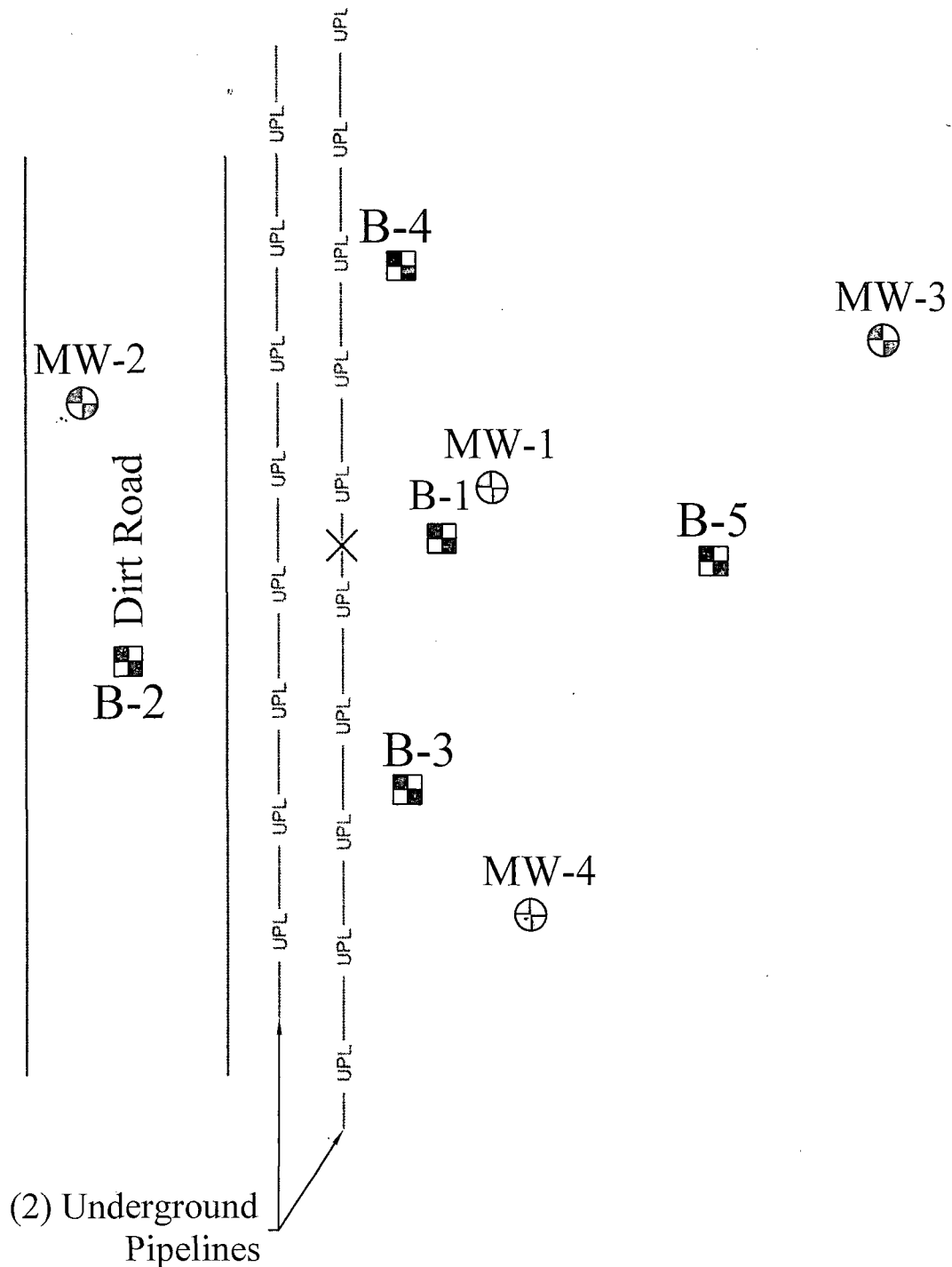
TALON/LPE



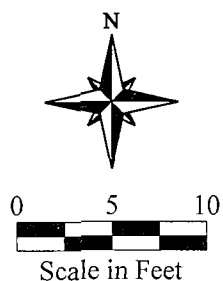
Kimberly M. Wilson
Environment Scientist



David J. Adkins
District Manager



(2) Underground
Pipelines



Legend	
	- Drilled Boring Location
	- Monitor Well Location
	- Underground Pipeline
	- Release Location 11-027



Date: 04/22/2013

Scale: 1" = 10'

Drawn By: TJS

Brahaney Gathering System 8" Line
LMEP #308-11-027
Centurion Pipeline
Figure 1 - Site Plan



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

DAVID ADKINS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

HOBBS OCD

JUL 09 2013

RECEIVED

RE: BRAHANEY GS 8" LINE 11-027

Enclosed are the results of analyses for samples received by the laboratory on 03/12/12 13:41.

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

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and i



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

October 18, 2011

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRAHANEY GS 8" LINE 11-027

Enclosed are the results of analyses for samples received by the laboratory on 10/14/11 11:40.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/14/2011
 Reported: 10/18/2011
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: 4-13S-38E

 Sampling Date: 10/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 10' (H102224-01)

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.86	0.500	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	39.5	0.500	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	38.2	0.500	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	143	1.50	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 208 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: AB					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	7790	100	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	13700	100	10/17/2011	ND	158	78.9	200	9.21	

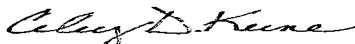
Surrogate: 1-Chlorooctane 185 % 55.5-154

Surrogate: 1-Chlorooctadecane 92.7 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 10/14/2011
 Reported: 10/18/2011
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: 4-13S-38E

 Sampling Date: 10/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 12' (H102224-02)

BTX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.32	0.500	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	34.6	0.500	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	36.8	0.500	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	138	1.50	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 193 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: AB					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6640	100	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	13100	100	10/17/2011	ND	158	78.9	200	9.21	

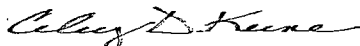
Surrogate: 1-Chlorooctane 177 % 55.5-154

Surrogate: 1-Chlorooctadecane 99.3 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 10/14/2011
 Reported: 10/18/2011
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: 4-13S-38E

 Sampling Date: 10/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 14' (H102224-03)

BTX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.94	0.500	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	50.5	0.500	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	38.5	0.500	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	143	1.50	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 193 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: AB					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	7670	100	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	13100	100	10/17/2011	ND	158	78.9	200	9.21	

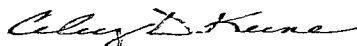
Surrogate: 1-Chlorooctane 183 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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*=Accredited Analyte

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 Received: 10/14/2011
 Reported: 10/18/2011
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: 4-13S-38E

 Sampling Date: 10/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 16' (H102224-04)

BTX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.67	0.500	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	34.2	0.500	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	39.4	0.500	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	154	1.50	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 205 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: AB					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9170	100	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	20400	100	10/17/2011	ND	158	78.9	200	9.21	

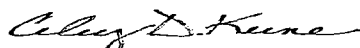
Surrogate: 1-Chlorooctane 207 % 55.5-154

Surrogate: 1-Chlorooctadecane 80.3 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 10/14/2011
Reported: 10/18/2011
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: 4-13S-38E

Sampling Date: 10/13/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-1 20' (H102224-05)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.02	0.500	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	61.1	0.500	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	48.9	0.500	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	208	1.50	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 232 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: AB				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	15300	100	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	25100	100	10/17/2011	ND	158	78.9	200	9.21	

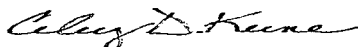
Surrogate: 1-Chlorooctane 259 % 55.5-154

Surrogate: 1-Chlorooctadecane 107 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 10/14/2011
Reported: 10/18/2011
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: 4-13S-38E

Sampling Date: 10/13/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-1 30' (H102224-06)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.07	0.500	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	62.2	0.500	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	52.2	0.500	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	219	1.50	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 193 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: AB				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9340	50.0	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	16000	50.0	10/17/2011	ND	158	78.9	200	9.21	

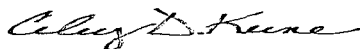
Surrogate: 1-Chlorooctane 172 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.0 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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:	10/14/2011	Sampling Date:	10/13/2011
Reported:	10/18/2011	Sampling Type:	Soil
Project Name:	BRAHANEY GS 8" LINE 11-027	Sampling Condition:	Cool & Intact
Project Number:	701242.009.01	Sample Received By:	Jodi Henson
Project Location:	4-13S-38E		

Sample ID: B-1 35' (H102224-07)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	<0.050	0.050	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	<0.150	0.150	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	138	10.0	10/17/2011	ND	158	78.9	200	9.21	

Surrogate: 1-Chlorooctane 96.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 99.7 % 57.6-158

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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: 10/14/2011
 Reported: 10/18/2011
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: 4-13S-38E

 Sampling Date: 10/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 38' (H102224-08)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	<0.050	0.050	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	<0.050	0.050	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	<0.150	0.150	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	49.1	10.0	10/17/2011	ND	158	78.9	200	9.21	


Surrogate: 1-Chlorooctane 91.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 92.2 % 57.6-158

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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: 10/14/2011
 Reported: 10/18/2011
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: 4-13S-38E

 Sampling Date: 10/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 45' (H102224-09)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/17/2011	ND	2.08	104	2.00	0.829	
Toluene*	1.82	0.200	10/17/2011	ND	2.07	103	2.00	0.173	
Ethylbenzene*	3.44	0.200	10/17/2011	ND	2.05	102	2.00	0.0754	
Total Xylenes*	15.3	0.600	10/17/2011	ND	6.20	103	6.00	1.33	

Surrogate: 4-Bromofluorobenzene (PIL) 154 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	656	50.0	10/17/2011	ND	169	84.6	200	6.36	
DRO >C10-C28	3350	50.0	10/17/2011	ND	158	78.9	200	9.21	

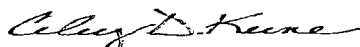
Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 89.6 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

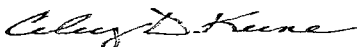
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		BILL TO		ANALYSIS REQUEST																				
Project Manager: David Perkins		P.O. #:																						
Address: 408 W. J. Adams		Company: Talon/LPE																						
City: Artesia State: NM Zip: 88210		Attn:																						
Phone #: 575-746-8960 Fax #: 575-746-8905		Address:																						
Project #: 701242.009.01 Project Owner: Continuion		City:																						
Project Name: Artesia B.S. 8" line 11-027		State: Zip:																						
Project Location: 4-135-38E		Phone #:																						
Sampler Name: David Perkins		Fax #:																						
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		BETX TPH												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL											OTHER	DATE	TIME
H102224																								
1	B-1 10'	G				/				/													10-13-11	
2	B-1 12'	G				/				/													10-13-11	
3	B-1 14'	G				/				/													10-13-11	
4	B-1 16'	G				/				/													10-13-11	
5	B-1 20'	G				/				/													10-13-11	
6	B-1 30'	G				/				/													10-13-11	
7	B-1 35'	G				/				/													10-13-11	
8	B-1 38'	G				/				/			10-13-11											
9	B-1 45'	G				/				/			10-13-11											

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Relinquished By:	Date: 11:40 am Time: 10-14-11	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.50		Sample Condition Cool Intact- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)
REMARKS:			

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



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

March 14, 2012

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRAHANEY GS 8" LINE 11-027

Enclosed are the results of analyses for samples received by the laboratory on 03/12/12 13:41.

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

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

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:	03/12/2012	Sampling Date:	03/09/2012
Reported:	03/14/2012	Sampling Type:	Soil
Project Name:	BRAHANEY GS 8" LINE 11-027	Sampling Condition:	Cool & Intact
Project Number:	701242.009	Sample Received By:	Jodi Henson
Project Location:	C-4-13S - 38E		

Sample ID: B - 1 5' (H200631-01)

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	03/13/2012	ND	400	100	400	3.92	

Sample ID: B - 1 10' (H200631-02)

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	03/13/2012	ND	400	100	400	3.92	

Sample ID: B - 1 15' (H200631-03)

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	03/13/2012	ND	400	100	400	3.92	

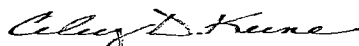
Sample ID: B - 1 20' (H200631-04)

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	03/13/2012	ND	400	100	400	3.92	

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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: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 25' (H200631-05)

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	03/13/2012	ND	400	100	400	3.92	

Sample ID: B - 1 30' (H200631-06)

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	03/13/2012	ND	400	100	400	3.92	

Sample ID: B - 1 35' (H200631-07)

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	03/13/2012	ND	400	100	400	3.92	

Sample ID: B - 1 40' (H200631-08)

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	03/13/2012	ND	400	100	400	3.92	

Sample ID: B - 1 45' (H200631-09)

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	03/13/2012	ND	400	100	400	3.92	

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Analytical Results For:

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

Received: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 65' (H200631-10)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	0.119	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	0.361	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 140 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	74.0	10.0	03/13/2012	ND	213	106	200	16.5	
DRO >C10-C28	1290	10.0	03/13/2012	ND	197	98.5	200	12.2	

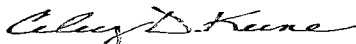
Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 102 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 70' (H200631-11)

BTEX 8021B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65			
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85			
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78			
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63			

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92			

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	03/13/2012	ND	213	106	200	16.5			
DRO >C10-C28	182	10.0	03/13/2012	ND	197	98.5	200	12.2			


Surrogate: 1-Chlorooctane 98.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.7 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 75' (H200631-12)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92	

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	03/13/2012	ND	213	106	200	16.5	
DRO >C10-C28	92.0	10.0	03/13/2012	ND	197	98.5	200	12.2	

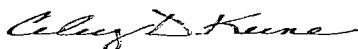
Surrogate: 1-Chlorooctane 96.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 91.5 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 80' (H200631-13)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92	

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	03/13/2012	ND	213	106	200	16.5	
DRO >C10-C28	189	10.0	03/13/2012	ND	197	98.5	200	12.2	

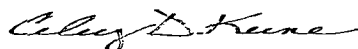
Surrogate: 1-Chlorooctane 90.0 % 55.5-154

Surrogate: 1-Chlorooctadecane 92.8 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 85' (H200631-14)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92	
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	03/13/2012	ND	213	106	200	16.5	
DRO >C10-C28	262	10.0	03/13/2012	ND	197	98.5	200	12.2	

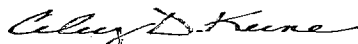
Surrogate: 1-Chlorooctane 98.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 109 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/12/2012
 Reported: 03/14/2012
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009
 Project Location: C-4-13S - 38E

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B - 1 90' (H200631-15)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92	
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	03/13/2012	ND	213	106	200	16.5	
DRO >C10-C28	604	10.0	03/13/2012	ND	197	98.5	200	12.2	

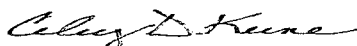
Surrogate: 1-Chlorooctane 106 % 55.5-154

Surrogate: 1-Chlorooctadecane 111 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/12/2012
Reported: 03/14/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: C-4-13S - 38E

Sampling Date: 03/09/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B - 1 95' (H200631-16)

BTEx 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2012	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85		
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78		
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63		

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 64.4-134

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	03/13/2012	ND	400	100	400	3.92	

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	03/13/2012	ND	213	106	200	16.5	
DRO >C10-C28	335	10.0	03/13/2012	ND	197	98.5	200	12.2	

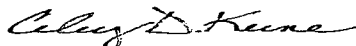
Surrogate: 1-Chlorooctane 91.7 % 55.5-154

Surrogate: 1-Chlorooctadecane 102 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

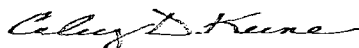
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



1

101 East Marland, Hobbs, NM 88240

[illegible]



2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPE</u>		BILL TO		ANALYSIS REQUEST																								
Project Manager: <u>David Adkins</u>		P.O. #:		<div>Chlorides BTEX TPH</div>																								
Address: <u>408 W Texas</u>		Company: <u>Talon</u>																										
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:																										
Phone #: <u>575-746-8768</u> Fax #: <u>575-746-8905</u>		Address:																										
Project #: <u>701242.009.01</u> Project Owner: <u>Continental</u>		City:																										
Project Name: <u>Brakeaway GS 8" Line 11-027</u>		State: Zip:																										
Project Location: <u>C-4 135-38E</u>		Phone #:																										
Sampler Name: <u>David Adkins</u>		Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GRAB OR C/OMP.)	# CONTAINERS	MATRIX				PRESERV.		SAMPLING																	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
	H2001631																											
	10	B-1 65'	G				/				/			3/9/12		/	/	/										
	11	B-1 70'	G				/				/			3/9/12		/	/	/										
	12	B-1 75'	G				/				/			3/9/12		/	/	/										
	13	B-1 80'	G				/				/			3/9/12		/	/	/										
	14	B-1 85'	G				/				/			3/9/12		/	/	/										
	15	B-1 90'	G				/				/			3/9/12		/	/	/										
	16	B-1 95'	G				/				/			3/9/12		/	/	/										

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Relinquished By: <u>[Signature]</u>	Date: <u>3/12/2012</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>10:10 A</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <u>Mark Stuebel</u>	Date: <u>3/12/2012</u>	Received By: <u>[Signature]</u>	REMARKS:	
	Time: <u>1:41 Pm</u>			
Delivered By: (Circle One)		Sample Condition		
Sampler - UPS - Bus - Other:		Cool Intact		
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> No <input type="checkbox"/> No		
		CHECKED BY: <u>[Signature]</u>		

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



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

February 18, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRAHANAY GS 8" LINE 11-027

Enclosed are the results of analyses for samples received by the laboratory on 02/06/13 8:30.

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

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 02/01/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-4 5' (H300335-01)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 89.4-126

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	02/07/2013	ND	221	110	200	20.2	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	202	101	200	21.9	

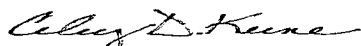
Surrogate: 1-Chlorooctane 84.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 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: 02/06/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 02/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: B-4 10' (H300335-02)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

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	02/07/2013	ND	221	110	200	20.2	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	202	101	200	21.9	


Surrogate: 1-Chlorooctane 87.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 02/01/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-4 20' (H300335-03)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	02/07/2013	ND	221	110	200	20.2	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	202	101	200	21.9	

Surrogate: 1-Chlorooctane 77.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 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: 02/06/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 02/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: B-4 50' (H300335-04)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

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	02/07/2013	ND	221	110	200	20.2	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	202	101	200	21.9	

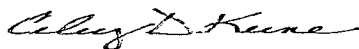
Surrogate: 1-Chlorooctane 88.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 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: 02/06/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 02/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: B-4 90' (H300335-05)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 89.4-126

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	02/07/2013	ND	221	110	200	20.2	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	202	101	200	21.9	

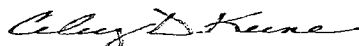
Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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

Received: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: MW-2 5' (H300335-06)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

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	02/07/2013	ND	221	110	200	20.2	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	202	101	200	21.9	

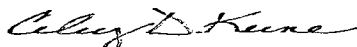
Surrogate: 1-Chlorooctane 87.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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

Received: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: MW-2 10' (H300335-07)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	

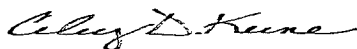
Surrogate: 1-Chlorooctane 93.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: MW-2 20' (H300335-08)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	

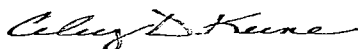
Surrogate: 1-Chlorooctane 78.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.5 % 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: 02/06/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 01/31/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: MW-2 50' (H300335-09)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	

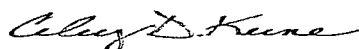
Surrogate: 1-Chlorooctane 76.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.9 % 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: 02/06/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 01/31/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: MW-2 100' (H300335-10)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	

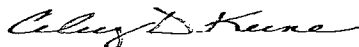
Surrogate: 1-Chlorooctane 87.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 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:	02/06/2013	Sampling Date:	01/30/2013
Reported:	02/18/2013	Sampling Type:	Soil
Project Name:	BRAHANEY GS 8" LINE 11-027	Sampling Condition:	Cool & Intact
Project Number:	701242.009.01	Sample Received By:	Daniel Wade
Project Location:	C-4-13-38		

Sample ID: B-2 5' (H300335-11)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	


Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 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:	02/06/2013	Sampling Date:	01/30/2013
Reported:	02/18/2013	Sampling Type:	Soil
Project Name:	BRAHANEY GS 8" LINE 11-027	Sampling Condition:	Cool & Intact
Project Number:	701242.009.01	Sample Received By:	Daniel Wade
Project Location:	C-4-13-38		

Sample ID: B-2 10' (H300335-12)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	

Surrogate: 1-Chlorooctane 77.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-2 20' (H300335-13)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/11/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/11/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/11/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	


Surrogate: 1-Chlorooctane 86.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-2 50' (H300335-14)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/12/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/12/2013	ND					

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

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	02/07/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/07/2013	ND	182	91.1	200	3.68	

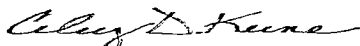
Surrogate: 1-Chlorooctane 87.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-2 100' (H300335-15)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/12/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.84	97.3	6.00	7.43	
Total BTX	<0.300	0.300	02/12/2013	ND					

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

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	02/08/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68	

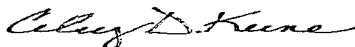
Surrogate: 1-Chlorooctane 73.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.4 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-3 5' (H300335-16)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.98	99.0	2.00	6.06	
Toluene*	<0.050	0.050	02/12/2013	ND	1.97	98.4	2.00	6.41	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.94	96.8	2.00	7.33	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.84	97.3	6.00	7.43	
Total BTEX	<0.300	0.300	02/12/2013	ND					

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

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	02/08/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68	

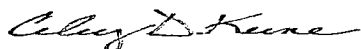
Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-3 10' (H300335-17)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 89.4-126

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	02/08/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68	

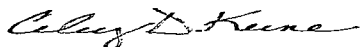
Surrogate: 1-Chlorooctane 80.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.9 % 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:	02/06/2013	Sampling Date:	01/31/2013
Reported:	02/18/2013	Sampling Type:	Soil
Project Name:	BRAHANEY GS 8" LINE 11-027	Sampling Condition:	Cool & Intact
Project Number:	701242.009.01	Sample Received By:	Daniel Wade
Project Location:	C-4-13-38		

Sample ID: B-3 20' (H300335-18)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 89.4-126

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	02/08/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68	

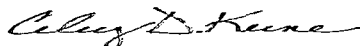
Surrogate: 1-Chlorooctane 74.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.5 % 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: 02/06/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 01/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: B-3 50' (H300335-19)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

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	02/08/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68	

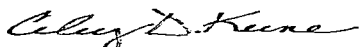
Surrogate: 1-Chlorooctane 76.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.4 % 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: 02/06/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 01/31/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: B-3 90' (H300335-20)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					

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

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	02/08/2013	ND	200	99.9	200	1.06	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68	

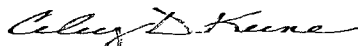
Surrogate: 1-Chlorooctane 82.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

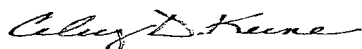
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

 Samples reported on an as received basis (wet) unless otherwise noted on report

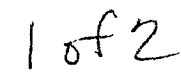
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Celey D. Keene, Lab Director/Quality Manager



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

Company Name: Centurion Pipeline L.P.			BILL TO										ANALYSIS REQUEST											
Project Manager: David Adkins			P.O. #:																					
Address: 408 W. Texas Ave.			Company: Talon/LPE																					
City: Artesia State: NM Zip: 88210			Attn:																					
Phone #: 575-746-8768 Fax #: 575-746-8406			Address:																					
Project #: 701242.004.01 Project Owner: Centurion Pipeline			City:																					
Project Name: Cent Brakeney 8# 308 Brakeney GS			State: Zip:																					
Project Location: N33.228 W103.113 8' Line 11=027			Phone #:																					
Sampler Name: Sheldon Hitchcock			Fax #:																					
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING														
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
H300335	1 B-4 5'	G 1	/									2-1-13	9:09a	/	/									
	2 B-4 10'	G 2	/									2-1-13	9:10a	/	/									
	3 B-4 20'	G 3	/									2-1-13	9:16a	/	/									
	4 B-4 50'	G 4	/									2-1-13	9:40a	/	/									
	5 B-4 90'	G 5	/									2-1-13	10:31a	/	/									
	6 MW-2 5'	G 6	/									1-31-13	9:41a	/	/									
	7 MW-2 10'	G 7	/									1-31-13	9:42a	/	/									
	8 MW-2 20'	G 8	/									1-31-13	9:48a	/	/									
	9 MW-2 50'	G 9	/									1-31-13	10:03a	/	/									
	10 MW-2 100'	G 10	/									1-31-13	10:20a	/	/									

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Relinquished By: <i>Sheldon Hitchcock</i>	Date: 2/6/13 Time: 6:30	Received By: <i>P. C. Ware</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
REMARKS:		* Project name changed as per David. 2/18/13 CK		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 24 of 24

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

February 18, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRAHANEY GS 8" LINE 11-027

Enclosed are the results of analyses for samples received by the laboratory on 02/13/13 10:25.

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

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

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: 02/13/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 02/06/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW - 4 5' (H300403-01)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Toluene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/13/2013	ND	2.02	101	2.00	9.17	
Total Xylenes*	<0.150	0.150	02/13/2013	ND	6.20	103	6.00	8.78	
Total BTX	<0.300	0.300	02/13/2013	ND					

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

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	02/15/2013	ND	207	104	200	0.815	
DRO >C10-C28	<10.0	10.0	02/15/2013	ND	170	85.2	200	5.23	

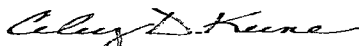
Surrogate: 1-Chlorooctane 73.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 02/13/2013
 Reported: 02/18/2013
 Project Name: BRAHANEY GS 8" LINE 11-027
 Project Number: 701242.009.01
 Project Location: C-4-13-38

 Sampling Date: 02/06/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MW - 4 10' (H300403-02)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Toluene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/13/2013	ND	2.02	101	2.00	9.17	
Total Xylenes*	<0.150	0.150	02/13/2013	ND	6.20	103	6.00	8.78	
Total BTEX	<0.300	0.300	02/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

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	02/15/2013	ND	207	104	200	0.815	
DRO >C10-C28	<10.0	10.0	02/15/2013	ND	170	85.2	200	5.23	

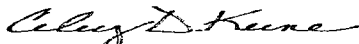
Surrogate: 1-Chlorooctane 71.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.9 % 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: 02/13/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 02/06/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW - 4 20' (H300403-03)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Toluene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/13/2013	ND	2.02	101	2.00	9.17	
Total Xylenes*	<0.150	0.150	02/13/2013	ND	6.20	103	6.00	8.78	
Total BTEX	<0.300	0.300	02/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

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	02/15/2013	ND	207	104	200	0.815	
DRO >C10-C28	<10.0	10.0	02/15/2013	ND	170	85.2	200	5.23	

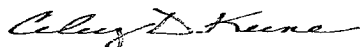
Surrogate: 1-Chlorooctane 71.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 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: 02/13/2013
Reported: 02/18/2013
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009.01
Project Location: C-4-13-38

Sampling Date: 02/06/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW - 4 50' (H300403-04)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Toluene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/13/2013	ND	2.02	101	2.00	9.17	
Total Xylenes*	<0.150	0.150	02/13/2013	ND	6.20	103	6.00	8.78	
Total BTEX	<0.300	0.300	02/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

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	02/15/2013	ND	207	104	200	0.815	
DRO >C10-C28	<10.0	10.0	02/15/2013	ND	170	85.2	200	5.23	

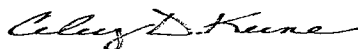
Surrogate: 1-Chlorooctane 72.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.2 % 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:	02/13/2013	Sampling Date:	02/06/2013
Reported:	02/18/2013	Sampling Type:	Soil
Project Name:	BRAHANEY GS 8" LINE 11-027	Sampling Condition:	Cool & Intact
Project Number:	701242.009.01	Sample Received By:	Jodi Henson
Project Location:	C-4-13-38		

Sample ID: MW - 4 100' (H300403-05)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Toluene*	<0.050	0.050	02/13/2013	ND	2.04	102	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/13/2013	ND	2.02	101	2.00	9.17	
Total Xylenes*	<0.150	0.150	02/13/2013	ND	6.20	103	6.00	8.78	
Total BTEX.	<0.300	0.300	02/13/2013	ND					

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

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	02/15/2013	ND	207	104	200	0.815	
DRO >C10-C28	<10.0	10.0	02/15/2013	ND	170	85.2	200	5.23	


Surrogate: 1-Chlorooctane 77.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

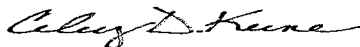
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Jalon/LPE</u>				BILL TO				ANALYSIS REQUEST																	
Project Manager: <u>David Adkins</u>				P.O. #:																					
Address: <u>408 W. Texas</u>				Company: <u>Jalon</u>																					
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																					
Phone #: <u>575-746-8768</u> Fax #: <u>575-746</u>				Address:																					
Project #: <u>701242.009.01</u> Project Owner: <u>Continuum</u>				City:																					
Project Name: <u>Artesia GS 8" line 11-027</u>				State: Zip:																					
Project Location: <u>C-4-13-38</u>				Phone #:																					
Sampler Name: <u>Kimberly M. Wilson</u>				Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING		<div style="display: flex; justify-content: space-around;"> <div>TPH</div> <div>BTEX</div> </div>															
Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:													ICE / COOL	OTHER:	DATE	TIME
H300403																									
1	MW-4 5'	6			1				1															2-6-13	9:33
2	MW-4 10'	6			1				1															2-6-13	9:34
3	MW-4 20'	6			1				1															2-6-13	9:36
4	MW-4 50'	6			1				1															2-6-13	9:50
5	MW-4 100'	6			1				1															2-6-13	10:15

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Kimberly M. Wilson</u>	Date: <u>2/13/13</u> Time: <u>8:09</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>[Signature]</u>	Date: <u>2/13/13</u> Time: <u>10:25</u>	Received By: <u>[Signature]</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>35i</u>			REMARKS:	
Sample Condition: Cool - Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			CHECKED BY: (Initials) <u>KP</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

July 11, 2012

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRAHANEY GS 8" LINE 11-027

Enclosed are the results of analyses for samples received by the laboratory on 07/05/12 13:20.

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/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

Received: 07/05/2012
Reported: 07/11/2012
Project Name: BRAHANEY GS 8" LINE 11-027
Project Number: 701242.009
Project Location: NOT GIVEN

Sampling Date: 07/03/2012
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW - 1 (H201524-01)

BTX 8021B		mg/L		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.003	0.001	07/10/2012	ND	0.047	93.9	0.0500	4.43	
Toluene*	0.002	0.001	07/10/2012	ND	0.047	94.2	0.0500	6.56	
Ethylbenzene*	<0.001	0.001	07/10/2012	ND	0.049	98.3	0.0500	7.81	
Total Xylenes*	<0.003	0.003	07/10/2012	ND	0.147	97.7	0.150	8.64	

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 89.5-126

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	56.0	4.00	07/06/2012	ND	104	104	100	3.92	

TPH 8015M		mg/L		Analyzed By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	07/06/2012	ND	45.0	90.0	50.0	3.52	
DRO >C10-C28	<1.00	1.00	07/06/2012	ND	47.8	95.5	50.0	3.75	

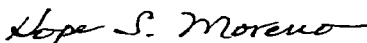
Surrogate: 1-Chlorooctane 80.1 % 48.7-164

Surrogate: 1-Chlorooctadecane 95.7 % 54.8-165

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Hope Moreno, Inorganic Technical Director

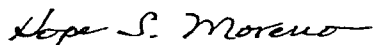
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Jalon/LPE</u>		BILL TO		ANALYSIS REQUEST																							
Project Manager: <u>DAVID ADKINS</u>		P.O. #:		<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>																							
Address: <u>408 W. Texas</u>		Company: <u>Jalon/LPE</u>																									
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:																									
Phone #: <u>575-746-8968</u> Fax #: <u>575-746-8905</u>		Address:																									
Project #: <u>701242.009</u> Project Owner: <u>Centurion</u>		City:																									
Project Name: <u>Brahmaney BS 8" Line 11-027</u>		State: Zip:																									
Project Location:		Phone #:																									
Sampler Name: <u>DAVID ADKINS</u>		Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME												
	<u>H201524</u>	<u>MW-1</u>	<u>5</u>	<u>5</u>										<u>7/3/12</u>	<u>11:32a</u>												

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Relinquished By: <u>[Signature]</u>	Date: <u>7/5/12</u>	Received By: <u>Michelle Stullfield</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>8:00</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <u>Michelle Stullfield</u>	Date: <u>7/5/2012</u>	Received By: <u>Yodi Benson</u>	REMARKS:	
	Time: <u>1:30</u>			
Delivered By: (Circle One)	Sample Condition	Checked By: <u>[Signature]</u>		
Sampler - UPS - Bus - Other: <u>(Circled)</u>	Cool Intact			
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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

#26



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

April 03, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CENT BRANANEY

Enclosed are the results of analyses for samples received by the laboratory on 03/27/13 8:31.

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: 03/27/2013
 Reported: 04/03/2013
 Project Name: CENT BRANANEY
 Project Number: 701242.009.01
 Project Location: NONE GIVEN

 Sampling Date: 03/26/2013
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: MW - 2 (H300725-01)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/02/2013	ND	0.053	107	0.0500	5.32	
Toluene*	<0.001	0.001	04/02/2013	ND	0.053	106	0.0500	5.35	
Ethylbenzene*	<0.001	0.001	04/02/2013	ND	0.052	104	0.0500	4.99	
Total Xylenes*	<0.003	0.003	04/02/2013	ND	0.153	102	0.150	3.77	
Total BTX	<0.006	0.006	04/02/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

TPH 8015M		mg/L		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	03/28/2013	ND	55.7	111	50.0	0.313	
DRO >C10-C28	<1.00	1.00	03/28/2013	ND	54.4	109	50.0	0.0184	
EXT DRO >C28-C35	<1.00	1.00	03/28/2013	ND	ND		0.00		

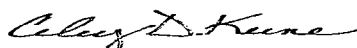
Surrogate: 1-Chlorooctane 100 % 48.7-164

Surrogate: 1-Chlorooctadecane 114 % 54.8-165

Cardinal Laboratories

* = Accredited Analyte

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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: 03/27/2013
 Reported: 04/03/2013
 Project Name: CENT BRANANEY
 Project Number: 701242.009.01
 Project Location: NONE GIVEN

 Sampling Date: 03/26/2013
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Daniel Wade

Sample ID: MW - 3 (H300725-02)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/03/2013	ND	0.053	107	0.0500	5.32	
Toluene*	<0.001	0.001	04/03/2013	ND	0.053	106	0.0500	5.35	
Ethylbenzene*	<0.001	0.001	04/03/2013	ND	0.052	104	0.0500	4.99	
Total Xylenes*	<0.003	0.003	04/03/2013	ND	0.153	102	0.150	3.77	
Total BTEX	<0.006	0.006	04/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

TPH 8015M		mg/L		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	03/28/2013	ND	55.7	111	50.0	0.313	
DRO >C10-C28	<1.00	1.00	03/28/2013	ND	54.4	109	50.0	0.0184	
EXT DRO >C28-C35	<1.00	1.00	03/28/2013	ND	ND		0.00		

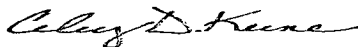
Surrogate: 1-Chlorooctane 101 % 48.7-164

Surrogate: 1-Chlorooctadecane 114 % 54.8-165

Cardinal Laboratories

*=Accredited Analyte

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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: 03/27/2013
Reported: 04/03/2013
Project Name: CENT BRANANEY
Project Number: 701242.009.01
Project Location: NONE GIVEN

Sampling Date: 03/26/2013
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Daniel Wade

Sample ID: MW - 4 (H300725-03)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.001	0.001	04/03/2013	ND	0.053	107	0.0500	5.32		
Toluene*	<0.001	0.001	04/03/2013	ND	0.053	106	0.0500	5.35		
Ethylbenzene*	<0.001	0.001	04/03/2013	ND	0.052	104	0.0500	4.99		
Total Xylenes*	<0.003	0.003	04/03/2013	ND	0.153	102	0.150	3.77		
Total BTEX	<0.006	0.006	04/03/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

TPH 8015M			mg/L		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<1.00	1.00	03/28/2013	ND	55.7	111	50.0	0.313		
DRO >C10-C28	<1.00	1.00	03/28/2013	ND	54.4	109	50.0	0.0184		
EXT DRO >C28-C35	<1.00	1.00	03/28/2013	ND	ND		0.00			

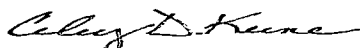
Surrogate: 1-Chlorooctane 99.4 % 48.7-164

Surrogate: 1-Chlorooctadecane 109 % 54.8-165

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

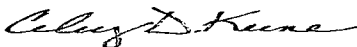
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon/LPE</u>				BILL TO				ANALYSIS REQUEST																				
Project Manager: <u>D. Atkins</u>				P.O. #:																								
Address: <u>408 W. Texas Ave.</u>				Company: <u>Talon/LPE</u>																								
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																								
Phone #: <u>575-746-8768</u> Fax #: <u>575-746-8906</u>				Address:																								
Project #: <u>701242.009.01</u> Project Owner: <u>Centurion</u>				City:																								
Project Name: <u>Cent Branane</u>				State: Zip:																								
Project Location:				Phone #:																								
Sampler Name: <u>Sheldon Hitchcock</u>				Fax #:																								
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																				
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														
<u>H300725</u>																												
<u>1</u>	<u>MW-2</u>	<u>G</u>	<u>4</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>3-26-13</u>	<u>11:19</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
<u>2</u>	<u>MW-3</u>	<u>G</u>	<u>4</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>?</u>	<u>12:00</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
<u>3</u>	<u>MW-4</u>	<u>G</u>	<u>4</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>?</u>	<u>12:35</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Sheldon Hitchcock</u>	Date: <u>3/27/13</u>	Received By: <u>P. D. White</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>8:31 a.m.</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	<u>gk</u>	

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

#26