	RECEIVE	D							
		at 2:39 pm, May 11, 2	2016						
811 S. First St., Artesia, NM 88210	s and Natural Resources	Revised August	8, 2011						
District III 1000 Rio Brazos Road, Aztec, NM 87410 Oil Conse	ervation Division S								
District IV 1220 South	th St. Francis Dr.	APPROVE	D						
Santa F	Fe, NM 87505								
Release Notificatio	on and Corrective Actio	/							
Name of Company Energy Transfer	OPERATOR	Initial Report I Final	l Repor						
Address P.2. Box 1226 Jal NM 88252	Contact Phillip Little Telephone No. 325 - 514 - 20	1.36							
Facility Name 6" Loteral (C-2 line)	Facility Type Natural Ga								
Surface Owner Johnny Chapman Mineral Owner		API No.							
0	ON OF RELEASE								
		st/West Line County							
11 265 37E		Leg							
Latitude 32. 054 18 5	Longitude 103.135849								
	E OF RELEASE								
Type of Release Crade Oil, Net. Los & Preduced Water Source of Release	Volume of Release 10 66/s	Volume Recovered Obbls	0.4.						
Was Immediate Notice Given?	Date and Hour of Occurrence, If YES, To Whom?	Date and Hour of Discovery 2.' 30	7-16						
Yes No Not Required	1	n 1-18-6 from Phillip L	itte						
By Whom? Was a Watercourse Reached?	Date and Hour								
Yes Vo	If YES, Volume Impacting the W	atercourse.							
If a Watercourse was Impacted, Describe Fully.*	101.4								
A S/A									
		Water at 120'							
Describe Cause of Problem and Remedial Action Taken.* Failure of a segment of 6" pipeline resulted in	the release of approvia	nately 10pbs at a mixtur	of						
Failure of a segment of 6" pipeline resultion me natural sas, crude oil, + produced water. Repair c	communes stat and repla	und so' of b" pily pin	• .						
al and a set to location to di	in and have she instance	indition Spil.							
Describe Area Affected and Cleanup Action Taken.* The release affected approximately 65'Y Bather Enersy remediated affected area to totals. Sampler Came back Clean. Sent to OCM and I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by the	90' Main sort UD'X	N' sat Dizinis Sait	1.5						
The release affected approximately 60:43	Stream to Aboth DS'YL	N' spot	76						
Panther Energy rempolicited affected area t	· NMOCO Provulatori Gu	uldelines. Samples were	ta Ke						
tolab. Samples came back clean. Sent to OCA an	d was given permission	to backfill.							
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release	the best of my knowledge and unders	stand that pursuant to NMOCD rules are	nd						
public health or the environment. The acceptance of a C-141 report by t	the NMOCD marked as "Final Report	" does not relieve the operator of liabil	ity						
should their operations have failed to adequately investigate and remedia	ate contamination that pose a threat to	ground water, surface water, human h	ealth						
or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	does not relieve the operator of respo	insibility for compliance with any other	Q						
N AII	OIL CONSER	RVATION DIVISION							
Signature: So diffet		1							
Printed Name: Phillip Little	Approved by Environmental Specia	list: Jam Hyp							
Title: Construction Specialist	Approval Date: 05/11/2016	Expiration Date: ///							
E-mail Address: Phillip, little @ energy transfer com									
	- conditions of rippioral.	Attached							
E-mail Address: Phillip, little @ energy transfer.cm ate: 5-9-16 Phone: S75-631-2584		1RP 4113							

-

On 1-17-16 a segment of 6" pipeline failed and released approximately 10bbls of fluid. A repair crew was sent to the location. Repair crew replaced 80' of 6" poly pipe. Line was taken out of service. There were a few spots affected. Main spot where leak originated was 65'x90'. The spill ran down R.O.W. south 207'x6'. It also ran north to two different spots. One spot was 40'x70' and the second spot was 25'x40'. Panther Energy Services was contacted by Phillip Little, construction specialist for Energy Transfer, to take care of remediation process. Panther Energy Services used a track hoe to dig out the affected area. A backhoe was used to move contaminated top soil from dug out areas to an area for stock pile. All contaminated top soil was hauled off to Sundance and Doom Land Farm. Samples were then taken to Cardinal Labs in Hobbs for all affected areas. Samples came back clean and sent off to Jamie Keyes for verification. After clean samples were verified Panther Energy Services was given approval by OCD to backfill area. There was 579 yards of contaminated soil hauled out and the surrounding sand hills were used to backfill excavated area.

Thank you,

Emmanuel Lujan

Panther Energy Services, LLC





March 09, 2016

PHILLIP LITTLE ENERGY TRANSFER P. O. BOX 1226 JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/08/16 12:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

	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. Keine

Celey D. Keene Lab Director/Quality Manager



ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	03/08/2016
Reported:	03/09/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:	03/08/2016
Sampling Type:	Soil
Sampling Condition:	Cool & Intact
Sample Received By:	Jodi Henson

### Sample ID: B-2 @ 11' (H600497-01)

BTEX 8021B	mg/kg			Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.07	1.00	03/09/2016	ND	1.92	95.8	2.00	0.125	
Toluene*	23.1	1.00	03/09/2016	ND	1.89	94.5	2.00	0.0761	
Ethylbenzene*	8.92	1.00	03/09/2016	ND	1.72	85.9	2.00	0.302	
Total Xylenes*	39.6	3.00	03/09/2016	ND	5.30	88.4	6.00	0.314	
Total BTEX	73.6	6.00	03/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL 106 % 73.6-140

Chloride, SM4500CI-B	CI-B mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2016	ND	448	112	400	15.4	
TPH 8015M		/kg	Analyze	Analyzed By: CK			_		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1240	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	2270	10.0	03/08/2016	ND	209	104	200	4.50	
EXT DRO >C28-C35	329	10.0	03/08/2016	ND					
Surrogate: 1-Chlorooctane	154	% 35-147	7						
Surrogate: 1-Chlorooctadecane	127	% 28-171							

### **Cardinal Laboratories**

### \*=Accredited Analyte

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Celeg & Keene



03/08/2016

Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

	ENERGY TRANSFER	
	PHILLIP LITTLE	
	P. O. BOX 1226	
	JAL NM, 88252	
	Fax To:	
03/08/2016		Sampling Date:

Receiveu.	05/00/2010
Reported:	03/09/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: SP - 2 (H600497-02)

Pocoivod:

mg/	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
0.458	0.250	03/09/2016	ND	1.92	95.8	2.00	0.125	
6.81	0.500	03/09/2016	ND	1.89	94.5	2.00	0.0761	
2.99	0.500	03/09/2016	ND	1.72	85.9	2.00	0.302	
18.6	1.50	03/09/2016	ND	5.30	88.4	6.00	0.314	
28.8	2.75	03/09/2016	ND					
	Result 0.458 6.81 2.99 18.6	0.4580.2506.810.5002.990.50018.61.50	Result   Reporting Limit   Analyzed     0.458   0.250   03/09/2016     6.81   0.500   03/09/2016     2.99   0.500   03/09/2016     18.6   1.50   03/09/2016	Result   Reporting Limit   Analyzed   Method Blank     0.458   0.250   03/09/2016   ND     6.81   0.500   03/09/2016   ND     2.99   0.500   03/09/2016   ND     18.6   1.50   03/09/2016   ND	Result   Reporting Limit   Analyzed   Method Blank   BS     0.458   0.250   03/09/2016   ND   1.92     6.81   0.500   03/09/2016   ND   1.89     2.99   0.500   03/09/2016   ND   1.72     18.6   1.50   03/09/2016   ND   5.30	Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery     0.458   0.250   03/09/2016   ND   1.92   95.8     6.81   0.500   03/09/2016   ND   1.89   94.5     2.99   0.500   03/09/2016   ND   1.72   85.9     18.6   1.50   03/09/2016   ND   5.30   88.4	Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC     0.458   0.250   03/09/2016   ND   1.92   95.8   2.00     6.81   0.500   03/09/2016   ND   1.89   94.5   2.00     2.99   0.500   03/09/2016   ND   1.72   85.9   2.00     18.6   1.50   03/09/2016   ND   5.30   88.4   6.00	Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD     0.458   0.250   03/09/2016   ND   1.92   95.8   2.00   0.125     6.81   0.500   03/09/2016   ND   1.89   94.5   2.00   0.0761     2.99   0.500   03/09/2016   ND   1.72   85.9   2.00   0.302     18.6   1.50   03/09/2016   ND   5.30   88.4   6.00   0.314

Sampling Type: Sampling Condition:

Sample Received By:

Surrogate: 4-Bromofluorobenzene (PIL 107 % 73.6-140

Chloride, SM4500CI-B	mg/kg		Analyze	d By: AP	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/08/2016	ND	448	112	400	15.4	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Analyte Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	742	10.0	03/08/2016	ND	198	98.8	200	3.81	
DR0 >C10-C28	2410	10.0	03/08/2016	ND	209	104	200	4.50	
EXT DRO >C28-C35	431	10.0	03/08/2016	ND					
Surrogate: 1-Chlorooctane	141	% 35-147	7						
Surrogate: 1-Chlorooctadecane	133	% 28-17	1						

### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keine-



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

### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Delivered By: (Circle One) Sample Condition CHECKE   Sampler - UPS - Bus - Other: 3.82 Cool Intact No No No   + Cardinal cannot accept verbal changes. Please fax written changes to (575) 393 0325	any other cause whatso at or convequential dam promance of services <b>Dates:</b> <b>J</b> - <b>Time;</b> <b>Date:</b> <b>Time:</b>	Demans. Cardinal's labelity and clorifs exclusive	2 50-2	hoever 1	Lab I.D. Sample I.D.	٦	Jon Green	on: Sh	ame: C-2 Lins		10#: 575-63-45 40 F	JAL		Ph: 44 4	(5/5) 333-2320 FAX (9/9) 393-2320 FAX (9/9) 393-2320
B.S.C. Sample Condition CHECKED BY: Cool Intact No No Checked BY: No Checked BY: Cool Intact No Checked BY: No Checked BY: Cool Intact No Checked BY: Checked BY: Che	Received by: Received By: Received By:	of for any claim arrang whether based in contract or tent, shall be limited to the amount paid by		# G V S O S O A I O 7-9-16	G)RAB OR (C)OMP. CONTAINERS ROUNDWATER VASTEWATER OIL OIL OIL CLUDGE OTHER : CCID/BASE: CE / COOL OTHER :	MATRIX PRESERV SAMPLING	Fax #:	Phone #: 575-631-4542		ter: City: JAL	Address:	State: Nr Zip: 88252 Attn: P. Litte		P.O. #:	CA BILL TO
	ert es subsdares ert es subsdares son or othereiter Phone Result: <u>Yes No</u> Add'I Phone #: Fax Result: <u>Yes No</u> Add'I Fax #: REMARKS: Rush	paid by the client for the		VV	TIME CL HON BIES			643	52				<i>N</i> <sup>3</sup>		ANALYSIS REQUEST

đ



March 17, 2016

PHILLIP LITTLE ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/11/16 11:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



	ENERGY TRANSFER		
	PHILLIP LITTLE		
	P. O. BOX 1226		
	JAL NM, 88252		
	Fax To:		
03/11/2016		Sampling Date:	
03/17/2016		Sampling Type:	

03/17/2016
C-2 LINE
NONE GIVEN
CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:	03/11/2016
Sampling Type:	Soil
Sampling Condition:	Cool & Intact
Sample Received By:	Jodi Henson

### Sample ID: #1-EW COMP (H600536-01)

Received:

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Foluene*	< 0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	< 0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	< 0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL 101 % 73.6-140

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	200	100	200	2.14	
DR0 >C10-C28	65.1	10.0	03/12/2016	ND	220	110	200	2.22	
EXT DRO >C28-C35	<10.0	10.0	03/12/2016	ND					
Surrogate: 1-Chlorooctane	93.2	% 35-14	7						
Surrogate: 1-Chlorooctadecane	103	% 28-17	I						

### **Cardinal Laboratories**

### \*=Accredited Analyte

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Celeg D. Keene-

Celey D. Keene, Lab Director/Quality Manager



Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

ENERGY TRANSFER
PHILLIP LITTLE
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	03/11/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

## Sample ID: #1-NW COMP (H600536-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	< 0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	< 0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Surrogate: 4-Bromofluorobenzene (PIL 99.2 % 73.6-140

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	200	100	200	2.14	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	220	110	200	2.22	
EXT DRO >C28-C35	<10.0	10.0	03/12/2016	ND					
Surrogate: 1-Chlorooctane	89.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	98.2	% 28-17	1						

### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keene-

Celey D. Keene, Lab Director/Quality Manager



	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received: Reported: Project Name: Project Number: Project Location:	03/11/2016 03/17/2016 C-2 LINE NONE GIVEN CHAPMAN RANCH - SE OF JAL, NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	03/11/2016 Soil Cool & Intact Jodi Henson

### Sample ID: #1-WW COMP (H600536-03)

BTEX 8021B	mg/	kg	Analyzed	By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	< 0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	< 0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	< 0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.4	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	200	100	200	2.14	
DR0 >C10-C28	88.3	10.0	03/12/2016	ND	220	110	200	2.22	
EXT DRO >C28-C35	12.7	10.0	03/12/2016	ND					
Surrogate: 1-Chlorooctane	93.5	% 35-14	7						
Surrogate: 1-Chlorooctadecane	97.1	% 28-17	1						

### **Cardinal Laboratories**

### \*=Accredited Analyte

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Celeg D. Keene-



Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	03/11/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: #1-SW COMP (H600536-04)

BTEX 8021B	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	< 0.300	0.300	03/15/2016	ND					

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Surrogate: 4-Bromofluorobenzene (PIL 101 % 73.6-140

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	200	100	200	2.14	
DRO >C10-C28	23.8	10.0	03/12/2016	ND	220	110	200	2.22	
EXT DRO >C28-C35	<10.0	10.0	03/12/2016	ND					
Surrogate: 1-Chlorooctane	95.9	% 35-14	7						
Surrogate: 1-Chlorooctadecane	106	% 28-17	1						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:

73.6-140

Received:	03/11/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:	03/11/2016
Sampling Type:	Soil
Sampling Condition:	Cool & Intact
Sample Received By:	Jodi Henson

### Sample ID: #2-EW COMP (H600536-05)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	0.318	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	0.432	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	2.87	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	3.61	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL 119 %

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	82.8	10.0	03/12/2016	ND	200	100	200	2.14	
DR0 >C10-C28	1030	10.0	03/12/2016	ND	220	110	200	2.22	
EXT DRO >C28-C35	173	10.0	03/12/2016	ND					
Surrogate: 1-Chlorooctane	107	% 35-14	7						
Surrogate: 1-Chlorooctadecane	106	% 28-17	1						

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Celeg & Keene-



Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

ENERGY TRANS	FER
PHILLIP LITTLE	
P. O. BOX 1226	
JAL NM, 88252	
Fax To:	

73.6-140

Received:	03/11/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: #2-NW COMP (H600536-06)

Analyte	mg,	/kg	Analyze	d By: MS	_				
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	< 0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Surrogate: 4-Bromofluorobenzene (PIL 100 %

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2016	ND	220	110	200	4.67	
DR0 >C10-C28	46.0	10.0	03/14/2016	ND	236	118	200	7.31	
EXT DRO >C28-C35	<10.0	10.0	03/14/2016	ND					
Surrogate: 1-Chlorooctane	108	% 35-142	7						
Surrogate: 1-Chlorooctadecane	101	% 28-17.	1						

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Celeg 2 Keine



Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

03/11/2016

Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

ENERGY TRANSFER
PHILLIP LITTLE
P. O. BOX 1226
JAL NM, 88252
Fax To:

73.6-140

Received:	03/11/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: #2-WW COMP (H600536-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	< 0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	< 0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL 101 %

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	
EXT DRO >C28-C35	<10.0	10.0	03/14/2016	ND					
Surrogate: 1-Chlorooctane	103	% 35-147	7						
Surrogate: 1-Chlorooctadecane	88.8	% 28-171							

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Celeg D. Keene-



Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:

73.6-140

Received:	03/11/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: #2-SW COMP (H600536-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	< 0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Surrogate: 4-Bromofluorobenzene (PIL 99.7 %

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2016	ND	220	110	200	4.67	
DR0 >C10-C28	329	10.0	03/14/2016	ND	236	118	200	7.31	
EXT DRO >C28-C35	55.7	10.0	03/14/2016	ND					
Surrogate: 1-Chlorooctane	104	% 35-147	7						
Surrogate: 1-Chlorooctadecane	96.1	% 28-17	1						

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Celeg & treene



Cool & Intact

Jodi Henson

Soil

### Analytical Results For:

	ENERGY TRANSFER	
	PHILLIP LITTLE	
	P. O. BOX 1226	
	JAL NM, 88252	
	Fax To:	
03/11/2016		Sampling Date:

Receiveu.	05/11/2010
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: SP-3 COMP (H600536-09)

Pereived.

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.737	0.500	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	14.6	1.00	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	7.52	1.00	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	49.6	3.00	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	72.5	5.50	03/15/2016	ND					

Sampling Type:

Sampling Condition:

Sample Received By:

Surrogate: 4-Bromofluorobenzene (PIL 109 % 73.6-140

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1790	10.0	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	3820	10.0	03/14/2016	ND	236	118	200	7.31	
EXT DRO >C28-C35	550	10.0	03/14/2016	ND					
Surrogate: 1-Chlorooctane	185 5	% 35-147	7						
Surrogate: 1-Chlorooctadecane	124	% 28-17							

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Celeg & Keene-



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

### **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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Celeg D. Keine-



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	Ŀ	000 2110			
Company Name:	ENERGY TRANSFER	SFER	BILL TO		ANALYSIS REQUEST
Project Manager:		S.	P.O. #:		
Address:			Company: F. TRA	FED	
city: JPL		State: NM. Zip: 88252			
Phone #: 575-831-4540	531-4540 Fax #:	77	Address:		
Project #:		Project Owner:	City: JAC		
Project Name: C	C-2 LINA CH	CHAPMAN RANCH	NA Zip:	88252	
Project Location:	Y	Nra.		-4540	
Sampler Name:	Don thee	2	Fax #:		
FOR LABUSE ONLY		MATRIX	PRESERV SAMPLING	G	
		RS TER ER			
Lab I.D.	Sample I.D.	B OR (( TAINE NDWA EWATE	R : BASE: OOL	No. 4	
600536		# CON GROU	OTHER ACID/B CE / C THER	TIME TPHE CL	
-	J-EN COM	-	V 3		
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2	2- WW "	~		=	
8	2-5W 11	2		-	
0	1 6-25			11 1	
LEASE NOTE: Labity and Dami	lages. Cardinal's Rability and client's exclusive	re remedy for any claim aritizing whether based in contra-	ct or turk, shall be limited to the amount paid t	paid by the client for the	
malyses. All clams including those for nightgence and any other ervice. In no event shall Cardinal be lable for incidental or pone fillables or successors arising out of or related to the performance	5. All carms including those for nightgence and any other cause whatsoeve In no event shall Cardinal be liable for incidental or consequential damages or successors ensuing out of or related to the performance of services here.	including w indet by Can	nd received by Cârdinal within 30 days after c , Ioss of use, or loss of profits incurred by cite <u>n is based upon any</u> of the above stated reasu	ompletion of the applicable nt, its subsidiaries, ms or otherwise,	
Relinquished By:	Lean Ime	1-16 Received By: 14 Received By:	benson	Phone Result:    Yes    No Fax Result:    Yes    No REMARKS:	o Add'l Phone #: o Add'l Fax #:
Dolivorad But 10	Time:				
Delivered By: (Circle One)	ircle One)	Sample Condition	CHECKED BY:		

Sampler - UPS - Bus - Other:

4.60

Ves Ves

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393(2826

2























March 17, 2016

PHILLIP LITTLE

HERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/16/16 15:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENERGY TRANSFER
PHILLIP LITTLE
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	03/16/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

118 %

28-171

# Sampling Date:03/16/2016Sampling Type:SoilSampling Condition:Cool & IntactSample Received By:Jodi Henson

### Sample ID: SW - COMP (H600577-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	1.42	0.200	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	1.74	0.200	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	11.3	0.600	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	14.5	1.20	03/17/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117	% 73.6-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	396	10.0	03/16/2016	ND	187	93.6	200	6.53	
DR0 >C10-C28	1390	10.0	03/16/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	216	10.0	03/16/2016	ND					
Surrogate: 1-Chlorooctane	125	% 35-14	7						

## Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

### \*=Accredited Analyte

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Celeg Z. Kune



03/16/2016

Cool & Intact

Jodi Henson

Soil

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

### Analytical Results For:

ENERGY TRANSFER
PHILLIP LITTLE
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	03/16/2016
Reported:	03/17/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

### Sample ID: NW - COMP (H600577-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.504	0.500	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	10.5	0.500	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	4.38	0.500	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	25.0	1.50	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	40.4	3.00	03/17/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL 107 % 73.6-140

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	638	10.0	03/16/2016	ND	187	93.6	200	6.53	
DR0 >C10-C28	1090	10.0	03/16/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	159	10.0	03/16/2016	ND					
Surrogate: 1-Chlorooctane	121	% 35-147	,						
Surrogate: 1-Chlorooctadecane	108	28-171							

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Celeg D. trene



	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252		
Received: Reported: Project Name: Project Number:	Fax To: 03/16/2016 03/17/2016 C-2 LINE NONE GIVEN	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	03/16/2016 Soil Cool & Intact Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL, NM	,	Joan Henson

### Sample ID: EW - COMP (H600577-03)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	0.102	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	< 0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	<0.300	0.300	03/17/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/l	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg/l	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	03/17/2016	ND	187	93.6	200	6.53	
DRO >C10-C28	<10.0	10.0	03/17/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	12.3	10.0	03/17/2016	ND					
Surrogate: 1-Chlorooctane	93.6%	6 35-147							
Surrogate: 1-Chlorooctadecane	100 %	28-171							

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	ENERGY TR	ANSFER	
	PHILLIP LIT	TLE	
	P. O. BOX 1	.226	
	JAL NM, 88	252	
	Fax To:		
Received:	03/16/2016	Sampling Date:	03/16/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	C-2 LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL, N		

### Sample ID: WW - COMP (H600577-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	< 0.050	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	< 0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	<0.300	0.300	03/17/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.6	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2016	ND	187	93.6	200	6.53	
DRO >C10-C28	<10.0	10.0	03/17/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	<10.0	10.0	03/17/2016	ND					
Surrogate: 1-Chlorooctane	97.3 9	% 35-147							
Surrogate: 1-Chlorooctadecane	98.7 9	28-171							

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Celleg D. Keine



	ENERGY TRANSFE PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:	ILLIP LITTLE O. BOX 1226 . NM, 88252		
Received:	03/16/2016	Sampling Date:	03/16/2016	
Reported:	03/17/2016	Sampling Type:	Soil	
Project Name:	C-2 LINE	Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	CHAPMAN RANCH - SE OF JAL, NM		Andrew Constantion	

### Sample ID: B - COMP @ 14' (H600577-05)

mg/kg		Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
1.26	1.00	03/17/2016	ND	1.97	98.6	2,00	1.09	
23.9	1.00	03/17/2016	ND	1.89	94.4	2.00	2.12	
10.0	1.00	03/17/2016	ND	1.66	83.1	2.00	2.82	
66.9	3.00	03/17/2016	ND	5.13	85.5	6.00	2.14	
102	6.00	03/17/2016	ND					
	Result 1.26 23.9 10.0 66.9	Result   Reporting Limit     1.26   1.00     23.9   1.00     10.0   1.00     66.9   3.00	Result   Reporting Limit   Analyzed     1.26   1.00   03/17/2016     23.9   1.00   03/17/2016     10.0   1.00   03/17/2016     66.9   3.00   03/17/2016	Result   Reporting Limit   Analyzed   Method Blank     1.26   1.00   03/17/2016   ND     23.9   1.00   03/17/2016   ND     10.0   1.00   03/17/2016   ND     66.9   3.00   03/17/2016   ND	Result   Reporting Limit   Analyzed   Method Blank   BS     1.26   1.00   03/17/2016   ND   1.97     23.9   1.00   03/17/2016   ND   1.89     10.0   1.00   03/17/2016   ND   1.66     66.9   3.00   03/17/2016   ND   5.13	Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery     1.26   1.00   03/17/2016   ND   1.97   98.6     23.9   1.00   03/17/2016   ND   1.89   94.4     10.0   1.00   03/17/2016   ND   1.66   83.1     66.9   3.00   03/17/2016   ND   5.13   85.5	Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC     1.26   1.00   03/17/2016   ND   1.97   98.6   2.00     23.9   1.00   03/17/2016   ND   1.89   94.4   2.00     10.0   1.00   03/17/2016   ND   1.66   83.1   2.00     66.9   3.00   03/17/2016   ND   5.13   85.5   6.00	Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD     1.26   1.00   03/17/2016   ND   1.97   98.6   2.00   1.09     23.9   1.00   03/17/2016   ND   1.89   94.4   2.00   2.12     10.0   1.00   03/17/2016   ND   1.66   83.1   2.00   2.82     66.9   3.00   03/17/2016   ND   5.13   85.5   6.00   2.14

Surrogate: 4-Bromofluorobenzene (PIL 110 % 73.6-140

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GR0 C6-C10	2070	10.0	03/17/2016	ND	187	93.6	200	6.53	
DR0 >C10-C28	3680	10.0	03/17/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	563	10.0	03/17/2016	ND					
Surrogate: 1-Chlorooctane	179 %	35-147							
Surrogate: 1-Chlorooctadecane	133 %	28-171							

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Colego Keene


	ENERGY	TRANSFER	
	PHILLIP L	ITTLE	
	P. O. BOX	1226	
	JAL NM, 8	8252	
	Fax To:		
Received:	03/16/2016	Sampling Date:	03/16/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	C-2 LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL,	NM	

#### Sample ID: C - COMP @ 4' (H600577-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.100	0.100	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	0.327	0.100	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	0.837	0.100	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	6.17	0.300	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	7.33	0.600	03/17/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	130 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	208	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS			P. I. W. I.		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GR0 C6-C10	234	10.0	03/17/2016	ND	187	93.6	200	6.53	
DR0 >C10-C28	1970	10.0	03/17/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	364	10.0	03/17/2016	ND					
Surrogate: 1-Chlorooctane	121 %	35-147							
Surrogate: 1-Chlorooctadecane	116%	28-171							

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ENERGY TRANS	SFER	
PHILLIP LITTL	E	
P. O. BOX 1220	5	
JAL NM, 88252		
Fax To:		
03/16/2016	Sampling Date:	03/16/2016
03/17/2016	Sampling Type:	Soil
C-2 LINE	Sampling Condition:	Cool & Intact
NONE GIVEN	Sample Received By:	Jodi Henson
CHAPMAN RANCH - SE OF JAL, NM		
	PHILLIP LITTLI P. O. BOX 1226 JAL NM, 88252 Fax To: 03/16/2016 03/17/2016 C-2 LINE NONE GIVEN	03/16/2016Sampling Date:03/17/2016Sampling Type:C-2 LINESampling Condition:NONE GIVENSample Received By:

#### Sample ID: E - COMP @ 3' (H600577-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.500	0.500	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	7.28	0.500	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	2.73	0.500	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	22.5	1.50	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	32.5	3.00	03/17/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111	% 73.6-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	352	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GR0 C6-C10	731	50.0	03/17/2016	ND	187	93.6	200	6.53	
DR0 >C10-C28	5850	50.0	03/17/2016	ND	176	87.8	200	17.1	
EXT DRO >C28-C35	1220	50.0	03/17/2016	ND					
Surrogate: 1-Chlorooctane	153	% 35-14	7						
Surrogate: 1-Chlorooctadecane	167	% 28-17							

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Celeg D. Keine



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

#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
2	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celery Z. Keine



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO     BILL TO       Project Nanage:     Phylic V Lift V a       Project Name:     C-2 Links       Project Name			tion CHECKED BY:	Sample Condition		Delivered By: (Circle One)	Delivered By
Energic G y Tality Lig     File     BILL TO     AMALVSIS       4     State: M M Zip: 882.52     Adm: P. LiTTL'E     Admess:       5.2     Ling: Chappenay Ranch     Ranch     State: M-129: 882.52     Admess:       5.2     Ling: Chappenay Ranch     Ranch     State: M-129: 882.52     Admess:       5.2     J. Ling: Chappenay Ranch     Ranch     State: M-129: 882.52     Admess:       5.2     J. Ling: Chappenay Ranch     Ranch     State: M-129: 882.53     Admess:       1     J. Ling: Chappenay Ranch     Ranch     State: M-129: 882.53     State: M-129: 882.53     State: M-129: 882.53       Sample I.D.     Goron P.     MATRIX     PRESERV     Sampluk     Time     Time       J. W. Comp.     C. I.     Goron P.     Goron P.     State: M-129: 882.53     State: M-129: 882.55     State: M-129		(		(	Time:		
Name:     EHELTO     BILLTO       JAL     State:///LSK     FO.#       JAL     State://LSK     Formany:       SJF-631-44-SHO     Fax#:     Company:       FOJE:     Folgeti Owner:     C-7       Sociation:     SE     JAL     State:///LASSE       Cation:     SE     JAL     State://LASSE       State:     JAL     State://LS     Address:       Projecti Owner:     C-7     State://LASSE     Address:       Projecti Owner:     C-7     State://LASSE     N/17/4E       State:     JAL     State://LASSE     Projecti Owner:       Company:     Company:     E/7     State://LASSE       Jamme:     JAL     State://LASSE     Projecti Owner:       Sample I.D.     Sample I.D.     GROD/TAINERS     Presservi       JAM     Company:     CONTAINERS     Presservi     Sumpluke       JAM     Company:     Company:     Company:     Fax:       JAM     Company:     Containers     Fax:     Sumpluke       JAM     Company:     Containers     Fax:     Sumpluke       JAM     Containers     GROD/TAINERS     Fax:     Sumpluke       JAM     Company:     Containers     Containers     JAM <td>SA</td> <td>R</td> <td>leuson_</td> <td>Received By: Received By:</td> <td>Date:</td> <td>a</td> <td>Relinquished E</td>	SA	R	leuson_	Received By: Received By:	Date:	a	Relinquished E
Name:     Exer R & TRANS FER     BILL TO       anage:     Phi LLip     Little     Pol.#       JAL     State M M Zip:     882.52     Atm: P. Little       S75-631-4540     Fax#:     Project Owner:     E.T.     Atm: P. Little       Sociation:     SE of JaL     N/M.     Rec.M.     N/M.       Vane:     C-2 Links     Chapman     Rec.M.     Atm: P. Little       Vane:     SE of JaL     N/M.     Pol.#:     City:     Jac       Jame:     Jac     N/M.     Rec.M.     State: N/M. Zip:     S2.57       Jame:     Jac     N/M.     Rec.M.     State: N/M. Zip:     S2.57       Jame:     Jac     N/M.     Rec.M.     State: N/M. Zip:     S2.57       Jame:     Jac     Jac     N/M.     Preserv     Sampluke       J.     Sample I.D.     GROUNDWATER     Preserv     Sampluke       J.     Sample I.D.     GROUNDWATER     Preserv     Sampluke       J.     Sample J.     C.I.I.     Preserv     Sampluke       J.     Sample J.     C.I.I.     Sampluke     Sampluke       J.     Sampluke     Containers     Sampluke     Sampluke       J.     Sampluke     Containers     Sampluke <t< th=""><th></th><th>er orsy the chern by the er orsynghetion of the applicable chert, to subacciaries peopre of otherwave</th><th>vettion profits o</th><th>Blue P. P.</th><th>Solidy and clends exclusive tempory for a non-day, cher cause whatspeer shall be enal-to conversional damages, including toefformance of setologic belowinger by C</th><th>and Demagkes, Cardonal's fo ding trose for negligence ar Cardynal be Hable for incode Sang ad al or related to the</th><th>and and</th></t<>		er orsy the chern by the er orsynghetion of the applicable chert, to subacciaries peopre of otherwave	vettion profits o	Blue P. P.	Solidy and clends exclusive tempory for a non-day, cher cause whatspeer shall be enal-to conversional damages, including toefformance of setologic belowinger by C	and Demagkes, Cardonal's fo ding trose for negligence ar Cardynal be Hable for incode Sang ad al or related to the	and and
Name:       EMER & TRANSFER       BILL TO       ANALYSIS         anager: $Ph_1$ : $Ll_1p_1$ State: $M$ / $M$ zip: $B \otimes 2 \otimes 2$ Atm.: $Po \otimes 3$ Company: $E$ / $DA = 5$		1:30 1 1	-	- -	and Car		
Name:     EMER 6 y TR.P.4.5 FER     BILL TO       anage:     Phi : Lip     Little     Pol.#:       JAL     State: N/H zip:     872.52     Attn:     Pol.#:       JAL     State: N/H zip:     872.52     Attn:     P. Little       ame:     C-2 Linis     Chapman     R.T.     City:     JAL       ame:     C-2 Linis     Chapman     R.T.     State:     N/T. Lip:       ame:     C-2 Linis     Chapman     R.T.     State:     N/T. Lip:     872.52       ame:     C-2 Linis     Chapman     RAMACK     State:     N/T. Lip:     872.52       ame:     C-2 Linis     Chapman     RAMARS     State:     N/T. Lip:     872.52       ame:     GROUNDWATER     MATRIX     PRESERVI     State:     N/T. Lip:     873.52       Jame:     Jame:     Jame:     Fax#:     State:     N/T. Lip:     87.5       Jame:     Jame:     Jame:     Jame:     Jame:     Jame:     Jame:     Jame:       Jame:     Jame:     Jame:     Jame:     Jame:     Jame:     Jame:     Jame:       Jame:     Jame:     Jame:     Jame:     Jame:     Jame:     Jame:     Jame:       Jame:     Jame:     <		120		C ~	1 8 de		61
Name:     EMERGY TRANSFER     BILL TO     AMALYSIS       anager:     Phi Luip     Little     State.N/M Zip: 882.52     Attn:     P.0.#:       JAL     State.N/M Zip: 882.52     Attn:     P. Little     Company: E. Thansfer       JAL     State.N/M Zip: 882.52     Attn:     P. Little       STS-63/-4454b     Fax#:     Project Owner: E.T.     Address:       Project Owner:     E.T.     State: MM-1 Zip: 882.52     Attn:       Scate:     JAL     NM-1     State: MM-1 Zip: 882.52     Attn:       Scate:     JAL     NM-1     State: MM-1 Zip: 882.52     Address:       Project Owner:     E.T.     State: MM-1 Zip: 882.52     State: MM-1 Zip: 882.52     State: MM-1 Zip: 882.52       Came:     Jane:     Jane:     Jane:     Jane:     Jane: STS-5.37-1.454       Came:     Jane:     Jane:     State:     MATEX     State:       Jane:     Jane:     State:     State:     MATEX     State:       Jane:     Jane:     State:     State:     State:     State:       Jane:     Jane:     State:     State:     State:     State:       Jane:     Jane:     State:     State:     State:     State:       Jane:     Jane:     State:				1 	omp.	F	y t
Name:     EMER 6 y TRPANS FER     BILL TO     ANALYSIS       anager:     Phi LUip Little     State: N M Zip: 88252     Company: E. T.RANSFER     Company: E. T.RANSFER       JAL     State: N M Zip: 88252     Attn: P. Little     Company: E. T.RANSFER     Address:       575-631-44540     Fax#:     Project Owner: E.T.     City: JAL     Address:       S75-631-44540     Fax#:     Project Owner: E.T.     City: JAL     Address:       Project Owner:     E.T.     City: JAL     Address:       Project Owner:     E.T.     City: JAL     Address:       Ocation:     SE     F     JAL     NM       Orac     GROUNDWATER     NATRIX     PRESERV     SAMPLING       Out     Stude Address     Fax#:     SAMPLING       Out     SUDGE     Other     Fax     TIME       Out     SUDGE     Other     Fax#:     TIME       Out     Subcond     Subcond     Subcond     Subcond       Out     Subcond     Subcond     Subcond     Subcond       Out     GROUNDWATER		11		5	duc	NW-C	NN.
Name:     ENERGY TRANSTER     BILL TO     ANALYSIS       anager:     Phi LUip     Little     Project Owner:     P.O. #:     Company: E. T. RAMSTER     Company: E. T. RAMSTER     State: N/M Zip: 882 52     Attn: P. Little     Address:     Project Owner: C. T.     City:     D. Little     State: N/M Zip: 882 52     Attn: P. Little     Address:     State: N/M Zip: 882 52     Attn: P. Little     State: N/M Zip: 882 52     Address:     State: N/M Zip: 882 52     State: N/M Zip: 882 52     Address:     State: N/M Zip: 882 52     State: N/M Zip: 882 52 </td <td>7 -</td> <td>-</td> <td>3-15-16</td> <td>1</td> <td>dar</td> <td>SW-C</td> <td>1-</td>	7 -	-	3-15-16	1	dar	SW-C	1-
Name:     ENERGY     TR.P.MS FER     BILL TO     ANALYSIS       anager:     Phi LLip     LITLA     P.O. #:     Company: E. TRANSFER       JAL     State:NM Zip:     882.52     Attn:     P.O. #:       JAL     State:NM Zip:     882.52     Attn:     P. UTT LE       S75-631-44549     Fax #:     Project Owner:     E.T.     Address:       Project Owner:     E.T.     City:     JAL     State:       ccation:     SE     C.F. J.L.     NM.C.A     State:     NM.Z. Zip:     87.5-831-14549       came:     Jan Borney     MATRIX     PRESERV     SAMPLING       Oxac     MATRIX     PRESERV     SAMPLING       Oxac     MATRIX     PRESERV     SAMPLING	cL	KS, Hall	OTHE ACID/ ICE / ( OTHE	# CON GROU WAST SOIL OIL			H600577
Name: ENERGY TRANSFER BILL TO ANALYSIS anager: Phi blip Little P.O. #: DAL State: NIM Zip: 88252 Company: E. TRANSFER 575-631-4540 Fax #: Company: E. TRANSFER Project Owner: E.T. Address: Project Owner: E.T. City: DAL State: NIM Zip: 88252 Address: City: DAL State: NIM Zip: 88252 Address: City: DAL State: NIM Zip: 88252 Address: City: DAL State: NIM Zip: 88252 Address: Fax #: Phone #: 575-831-4540 Fax #: Address: Phone #: 575-831-4540 Phone #: 575-831-4540		975	R BASE COOL R	ITAINERS INDWATER EWATER	nple I.D.	San	Lab I.D.
Name:     ENERGY TRANSFER     BILL TO     ANALYSIS       anager:     Phi Llip     Little     PO.#:     PO.#:     Company: E.TRANSFER       JAL     State:NM Zip:     88252     Attn:     P. Little       JAL     State:NM Zip:     88252     Attn:     P. Little       SJS-631-44540     Fax #:     Company: E.TRANSFER     State:     Address:       SJS-631-44540     Fax #:     Project Owner: E.T.     Address:     Address:       same:     C-2 LINS     Chapmany RANCH     State: NM Zip:     88252       scation:     SE OF JAL NM     NM     Phone #: SJS-631-44540       vame:     Uma     Phone #: SJS-631-44540     Fax #:		ING	ESERV.	_			A DRI DES DI ED ROF
Name:     ENERGY TRANSFER     BILL TO     ANALYSIS       anager:     Phi E Lip Litter     PC.#:     P.O.#:     P.O.#:       JAL     State:NM Zip:     88252     Attn:     P. LiTT LE       JAL     State:NM Zip:     88252     Attn:     P. LiTT LE       SJS-631-44540     Fax #:     Project Owner:     C.T.     Address:       ame:     C-2 LING     Chapmany     RANCH     State: NM-2 Zip:     882.52		w 7 74	Fax#:		Ome Lu	10 20	Sampler Name
Name:     ENERGY     TRANSFER     BILL TO     ANALYSIS       anager:     Phi Llip     Little     P.O. #:     P.O. #:     Company: E. TRANSFER       JAL     State: N M Zip:     88252     Attn:     P. Little       575-631 - 4540     Fax #:     Address:     Address:       Project Owner:     E.T.     City:     JAL		1292	State: Mr Zip: 7		1	C-2	Project Name:
EMERGY TRANSFER BILL TO ANALYSIS Phi Llip Little PO.#: L State: NM Zip: 88252 Attn: P. Little 631-4540 Fax #: Address:			City: JAL	E.T.	Project Owne		Project #:
ENERGY TRANSFER BILL TO ANALYSIS Phi Llip Little P.O. #: L State: NM Zip: 88252 Attn: P. Little Attn: P. Little			Address:			5-631-45	
Phillip Little PO.#: BILL TO ANALYSIS		- VS	P. Li	2ip: 88252	State: NM	AL	ess:
ENERGY TRANS FER BILL TO ANALYSIS		1	P.O. #:		ip LITTLE		Project Manag
			BILL TO	R	TRANS		Company Nam

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 3952326

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Cool Intact Ves 4 Yes No No

Initials

Page 10 of 10



March 18, 2016

PHILLIP LITTLE ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/17/16 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceg.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceg.texas.gov/field/ga/lab</a> accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine



 $\bar{\mathbf{q}}$ 

# Analytical Results For:

	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252		
	Fax To:		
Received: Reported: Project Name: Project Number:	03/17/2016 03/18/2016 C-2 LINE NONE GIVEN	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	03/17/2016 Soil Cool & Intact Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL, NM		

# Sample ID: E COMP @ 5' (H600592-01)

TPH 8015M	mg/l	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1910	50.0	03/18/2016	ND	177	88.7	200	0.503	
DR0 >C10-C28	4800	50.0	03/18/2016	ND	178	89.2	200	0.477	
EXT DRO >C28-C35	734	50.0	03/18/2016	ND					
Surrogate: 1-Chlorooctane	163 %	35-147							
Surrogate: 1-Chlorooctadecane	151 %	28-171							

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celeg Z. Keine



#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

# Cardinal Laboratories

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Celey Z. Keine

3-1-16 E. TRANSFER E. C-2 LINE













April 08, 2016

PHILLIP LITTLE ENERGY TRANSFER P. O. BOX 1226 JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/05/16 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



	ENERGY TRANSFER		
	PHILLIP LITTLE		
	P. O. BOX 1226		
	JAL NM, 88252		
	Fax To:		
Received:	04/05/2016	Sampling Date:	04/05/2016
Reported:	04/08/2016	Sampling Type:	Soil
Project Name:	C-2 LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL, NM		500111015011

# Sample ID: BOTTOM #1 13' (H600723-01)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	< 0.050	0.050	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	< 0.050	0.050	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	0.359	0.150	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	0.359	0.300	04/07/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg/l	(g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	30.2	10.0	04/06/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	193	10.0	04/06/2016	ND	170	85.0	200	4.37	
EXT DRO >C28-C35	<10.0	10.0	04/06/2016	ND					
Surrogate: 1-Chlorooctane	82.8 %	5 35-147							
Surrogate: 1-Chlorooctadecane	83.0 %	28-171							

### Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENERGY TRANSFER		
	PHILLIP LITTLE		
	P. O. BOX 1226		
	JAL NM, 88252		
	Fax To:		
Received:	04/05/2016	Sampling Date:	04/05/2016
Reported:	04/08/2016	Sampling Type:	Soil
Project Name:	C-2 LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL, NM	,	Journenson

#### Sample ID: BOTTOM #2 13' (H600723-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	20.1	1.00	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	84.7	1.00	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	13.6	1.00	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	58.1	3.00	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	177	6.00	04/07/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 73.6-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	04/07/2016	ND	432	108	400	3.77	1. S.
TPH 8015M	mg	/kg	Analyze	d By: MS			1000		

Method Blank

ND

ND

ND

BS

178

170

% Recovery

89.0

85.0

True Value QC

200

200

RPD

1.81

4.37

Qualifier

Analyzed

04/06/2016

04/06/2016

04/06/2016

#### Cardinal Laboratories

Analyte

GRO C6-C10

DR0 >C10-C28

EXT DRO >C28-C35

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Result

2240

1170

90.5

118%

88.1 %

Reporting Limit

10.0

10.0

10.0

35-147

28-171

#### \*=Accredited Analyte

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received: Reported: Project Name: Project Number: Project Location:	04/05/2016 04/08/2016 C-2 LINE NONE GIVEN CHAPMAN RANCH - SE OF JAL, NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	04/05/2016 Soil Cool & Intact Jodi Henson

# Sample ID: E - SAMPLE 1 9' (H600723-03)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	8.49	2.00	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	68.4	2.00	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	16.8	2.00	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	83.6	6.00	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	177	12.0	04/07/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	73.6-14	0						
Chloride, SM4500CI-B	mg/l	g	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg/k	9	Analyze	d By: MS				5.77	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2860	10.0	04/06/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	2890	10.0	04/06/2016	ND	170	85.0	200	4.37	
EXT DRO >C28-C35	329	10.0	04/06/2016	ND			200	1.57	
Surrogate: 1-Chlorooctane	122 %	35-147							
Surrogate: 1-Chlorooctadecane	105 %	28-171							

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# \*=Accredited Analyte

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Celey D. Kune-

Celey D. Keene, Lab Director/Quality Manager



	ENERGY TRANSFER		
	PHILLIP LITTLE		
	P. O. BOX 1226		
	JAL NM, 88252		
	Fax To:		
Received:	04/05/2016	Sampling Date:	04/05/2016
Reported:	04/08/2016	Sampling Type:	Soil
Project Name:	C-2 LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAPMAN RANCH - SE OF JAL, NM		sour richson

#### Sample ID: E - SAMPLE 2 9' (H600723-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	5.78	0.500	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	29.1	0.500	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	6.26	0.500	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	26.9	1.50	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	68.0	3.00	04/07/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/l	(g	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg/l	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1180	10.0	04/06/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	891	10.0	04/06/2016	ND	170	85.0	200	4.37	
EXT DRO >C28-C35	48.2	10.0	04/06/2016	ND				1157	
Surrogate: 1-Chlorooctane	113 %	35-147							
Surrogate: 1-Chlorooctadecane	90.7 %	28-171							

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Celeg & Keine

Celey D. Keene, Lab Director/Quality Manager



	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226		
	JAL NM, 88252 Fax To:		
Received: Reported: Project Name: Project Number: Project Location:	04/05/2016 04/08/2016 C-2 LINE NONE GIVEN CHAPMAN RANCH - SE OF JAL, NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	04/05/2016 Soil Cool & Intact Jodi Henson

### Sample ID: E - SAMPLE 3 9' (H600723-05)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	< 0.050	0.050	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	<0.050	0.050	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	<0.150	0.150	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	<0.300	0.300	04/07/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/06/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	<10.0	10.0	04/06/2016	ND	170	85.0	200	4.37	
EXT DRO >C28-C35	<10.0	10.0	04/06/2016	ND					
Surrogate: 1-Chlorooctane	83.1 %	% 35-147							
Surrogate: 1-Chlorooctadecane	91.49	6 28-171							

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Celeg D. Keene\_



	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received: Reported: Project Name: Project Number: Project Location:	04/05/2016 04/08/2016 C-2 LINE NONE GIVEN CHAPMAN RANCH - SE OF JAL, NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	04/05/2016 Soil Cool & Intact Jodi Henson

#### Sample ID: MIDDLE BOTTOM (H600723-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	17.0	2.00	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	143	2.00	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	34.9	2.00	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	184	6.00	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	379	12.0	04/07/2016	ND				100	
Surrogate: 4-Bromofluorobenzene (PIL	109 9	73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS	50-8744).				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3620	10.0	04/06/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	5270	10.0	04/06/2016	ND	170	85.0	200	4.37	
EXT DRO >C28-C35	712	10.0	04/06/2016	ND				1157	
Surrogate: 1-Chlorooctane	139 %	6 35-147							
Surrogate: 1-Chlorooctadecane	138 9	6 28-171							

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#### 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 SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg & Keine



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

s i

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	575) 393-2476			
Company Name: Energy Tra	Trasker	BILL TO	ANALYSIS REQUEST	
Project Manager:		P.O. #:		
Address:		Company:		
City:	State: Zip:	Attn:		_
Phone #:	Fax #:	Address:		-
Project #:	Project Owner:	City:		
Project Name: C-2 LUNG	(0	State: Zip:		_
Project Location:		Phone #:		_
Sampler Name:		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 :	TIME L BTEX TPH	
- bottom #		ailch	777	
4 E-Sample 2			<	
5 E- Sample	2 4.		V C V	
6 Middle &	tom Li			
PLEASE NOTE: Labitry and Damages. Cardinal's labitry and clent's enclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the clent for the analyses. All claims including those for negligence and any other cause whatspecers shall be lettered waved unless made in writing and technol by Cardinal white 30 days after completion of the applicable service. In no event shall Caudnal be liable for incidental or consequential damages, including without limitation business interruptions, loss of sec, or bass of profits incurred by Clent. Its aubaidaves, service.	ent's exclusive remedy for any claim arbany whether based in contract or fort, scall be limited to the amount pad by the clent for the cause whatpower shall be deemed exived unless made in writing and received by Caudical within 30 days after completion of the a repertal damages, including without limitation business interruptions, loss of use, or loss of profits incurred by clent, its subaidiaries	and received by Cardinal white amount paid by and received by Cardinal white 30 days after co real, loss of use, or losis of profits incurred by clien	t paid by the client for the solved large to the total large total lar	
Relinquished By:	Pale 5/16 Regeived By:	Venson R	Phone Result:   Yes   No Add'l Phone #: Fax Result:   Yes   No Add'l Fax #: REMARKS:	
	Date: Received By: Time:		HURSHE!	
Delivered By: (Circle One)	Sample Condition	ion CHECKED BY:		

Sampler - UPS - Bus - Other:

2.20

Cool Intact Pres Pres

A

57

1

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 3932326

i.



April 21, 2016

PHILLIP LITTLE ENERGY TRANSFER P. O. BOX 1226 JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/15/16 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



	ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received: Reported: Project Name: Project Number: Project Location:	04/15/2016 04/21/2016 C-2 LINE NONE GIVEN CHAPMAN RANCH - SE OF JAL, NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	04/15/2016 Soil Cool & Intact Celey D. Keene

# Sample ID: E 1 12' (H600823-01)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	04/15/2016	ND	2.06	103	2.00	5.88	
Toluene*	< 0.050	0.050	04/15/2016	ND	1.95	97.7	2.00	6.73	
Ethylbenzene*	< 0.050	0.050	04/15/2016	ND	1.74	86.9	2.00	6.74	
Total Xylenes*	< 0.150	0.150	04/15/2016	ND	5.38	89.6	6.00	6.09	
Total BTEX	< 0.300	0.300	04/15/2016	ND			0.00	0.05	
Surrogate: 4-Bromofluorobenzene (PIL	105 %	73.6-14	0						
Chloride, SM4500CI-B	mg/k	g	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
Chloride	32.0	16.0	04/18/2016	ND	416	104	400	0.00	Quanner
TPH 8015M	mg/k	g	Analyze	d By: MS		101	100	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/15/2016	ND	182	90.8	200	6.71	Quaimer
DRO >C10-C28	<10.0	10.0	04/15/2016	ND	193	96.7	200	6.92	
EXT DRO >C28-C35	<10.0	10.0	04/15/2016	ND	199	50.7	200	0.92	
Surrogate: 1-Chlorooctane	86.9 %	35-147							
Surrogate: 1-Chlorooctadecane	97.3 %								

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Celeg D. Keene



ENERGY TRANSFER
PHILLIP LITTLE
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	04/15/2016
Reported:	04/21/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

# Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

# 04/15/2016 Soil Cool & Intact Celey D. Keene

# Sample ID: E 2 12' (H600823-02)

Dessived

BTEV PODID

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	04/15/2016	ND	2.06	103	2.00	5.88	
Toluene*	< 0.050	0.050	04/15/2016	ND	1.95	97.7	2.00	6.73	
Ethylbenzene*	< 0.050	0.050	04/15/2016	ND	1.74	86.9	2.00	6.74	
Total Xylenes*	<0.150	0.150	04/15/2016	ND	5.38	89.6	6.00	6.09	
Total BTEX	<0.300	0.300	04/15/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	5 73.6-140	)						
Chloride, SM4500CI-B	mg/k	g	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	PC	0/ Dece	-	100 B 10	

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/18/2016	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS			100	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/15/2016	ND	182	90.8	200	6.71	Quanter
DRO >C10-C28	<10.0	10.0	04/15/2016	ND	193	96.7	200	6.92	
EXT DRO >C28-C35	<10.0	10.0	04/15/2016	ND			200	0.52	
Surrogate: 1-Chlorooctane	91.7	% 35-147						_	
Surrogate: 1-Chlorooctadecane	108 9	% 28-171							

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Celeg & Keine



ENERGY TRANSFER
PHILLIP LITTLE
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	04/15/2016
Reported:	04/21/2016
Project Name:	C-2 LINE
Project Number:	NONE GIVEN
Project Location:	CHAPMAN RANCH - SE OF JAL, NM

-----

#### 04/15/2016 Soil Sampling Condition: Cool & Intact Sample Received By: Celey D. Keene

Sampling Date:

Sampling Type:

# Sample ID: BOTTOM #2 15' (H600823-03)

Dessived

Result	Reporting Limit							
		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
0.050	0.050	04/15/2016	ND	2.06	103	2.00		Quante
0.050	0.050	04/15/2016	ND	1.95	97.7			
0.050	0.050	04/15/2016	ND	1.74	86.9			
0.150	0.150	04/15/2016	ND	5.38				
0.300	0.300	04/15/2016	ND			0.00	0.09	
106 %	73.6-14	)						
mg/k	g	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
48.0	16.0	04/18/2016	ND	416	150			Quanner
mg/k	g	Analyze	d By: MS		101	100	0.00	
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
10.0	10.0	04/15/2016	ND	182	90.8			Quanner
246	10.0	04/15/2016						
32.0	10.0	04/15/2016	ND	199	50.7	200	6.92	
85.7 %	35-147	-						
107 %	28-171							
	0.050 0.050 0.150 0.300 <i>106 %</i> <b>mg/k</b> esult <b>88.0</b> <b>mg/k</b> esult 10.0 <b>246</b> <b>2.0</b> <i>85.7 %</i>	0.050 0.050 0.050 0.050 0.150 0.150 0.300 0.300 106 % 73.6-140 mg/kg esult Reporting Limit 18.0 16.0 mg/kg esult Reporting Limit 10.0 10.0 2.0 10.0 85.7 % 35-147	0.050     0.050     04/15/2016       0.050     0.050     04/15/2016       0.050     0.150     04/15/2016       0.150     0.150     04/15/2016       0.300     0.300     04/15/2016       106 %     73.6-140       mg/kg     Analyzed       esult     Reporting Limit       Analyzed       10.0     10.0       04/15/2016       2.0     10.0       04/15/2016       85.7 %     35-147	0.050     0.050     04/15/2016     ND       0.050     0.050     04/15/2016     ND       0.050     0.150     04/15/2016     ND       0.150     0.150     04/15/2016     ND       0.300     0.300     04/15/2016     ND       I/06 % 73.6-140       mg/kg     Analyzed By: AP       esult Reporting Limit       Analyzed     Method Blank       48.0     16.0     04/18/2016       Method Blank     10.0     04/15/2016       10.0     10.0     04/15/2016     ND       246     10.0     04/15/2016     ND       2.0     10.0     04/15/2016     ND       85.7 %     35-147     35-147	0.050       0.050       04/15/2010       ND       2.06         0.050       0.050       04/15/2016       ND       1.95         0.050       0.050       04/15/2016       ND       1.74         0.150       0.150       04/15/2016       ND       5.38         0.300       0.300       04/15/2016       ND       5.38         0.300       0.300       04/15/2016       ND       5.38         106 %       73.6-140       mg/kg       Analyzed By: AP       Method Blank       BS         esult       Reporting Limit       Analyzed       Method Blank       BS         #8.0       16.0       04/15/2016       ND       416         mg/kg       Analyzed By: MS       Esult       Reporting Limit       Analyzed       Method Blank       BS         10.0       10.0       04/15/2016       ND       182       193       193       193         2.0       10.0       04/15/2016       ND       193       193       193       193       193       193         85.7 %       35-147       35-147       35-147       35-147       35-147	0.050       0.050       04/15/2016       ND       1.95       97.7         0.050       0.050       04/15/2016       ND       1.95       97.7         0.050       0.050       04/15/2016       ND       1.74       86.9         0.150       0.150       04/15/2016       ND       5.38       89.6         0.300       0.300       04/15/2016       ND       5.38       89.6         106 %       73.6-140       mg/kg       Analyzed By: AP       416       104         mg/kg       Analyzed By: MS       416       104       104       104         mg/kg       Analyzed By: MS       90.8       90.8       90.8       96.7         10.0       10.0       04/15/2016       ND       193       96.7         2.0       10.0       04/15/2016       ND       193       96.7	0.050       0.050       04/15/2016       ND       1.95       97.7       2.00         0.050       0.050       04/15/2016       ND       1.74       86.9       2.00         0.150       0.150       04/15/2016       ND       5.38       89.6       6.00         0.0300       0.300       04/15/2016       ND       5.38       89.6       6.00         0.300       0.300       04/15/2016       ND       416       104       400         mg/kg       Analyzed By: MS         True Value QC         10.0       10.0       04/15/2016       ND       182       90.8       200         246       10.0       04/15/2016       ND       193       96.7       200         200       10.0       04/15/2016       ND<	1100       0.1,17,2010       ND       2.06       103       2.00       5.88         0.050       0.050       04/15/2016       ND       1.95       97.7       2.00       6.73         0.050       0.050       04/15/2016       ND       1.74       86.9       2.00       6.74         0.150       0.150       04/15/2016       ND       5.38       89.6       6.00       6.09         0.0300       0.300       04/15/2016       ND       5.38       89.6       6.00       6.09         0.0300       0.300       04/15/2016       ND       5.38       89.6       6.00       6.09         0.300       0.300       04/15/2016       ND       5.38       89.6       6.00       6.09         0.300       0.300       04/15/2016       ND       5.38       89.6       6.00       6.09         106 %       73.6-140

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Celeg D. Keine



#### 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 SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keene

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Energy Trunch		
2	P.O. #:	
٩	Company: Encou	Taul
City: J~ State: /J/M Zip:	88252	+
	-2162 Address	
Project	y Transfective J-1	
Project Name: C-2 Pipeline	State: UM Zip:	2 5238
Project Location: (2) //p. line		14-72.11
Sampler Name: Emmanil Ly-	Fax #:	
FOR LABUSE ONLY	MATRIX PRESERV. SAMPLING	
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E1 12'		
-	1 4-15	
OS Botton #2 15'		
energy see. At claims include on one for mytgeme and any one cause excerning were started by the second in contract of the band by the direct for the service. In no event that Cardhul be lable for incidental or consequential damage, including without inhibition, butiness interruption, loss of use, or loss of the how started by class it is subsidiaries. attracted as autocassion anishing out of or related to the performance of services hereunder by Cardinal, instructions of the how started here any of the solutions interruption.	- reserve a summy and version a secondary intriory of any canin sering wrotest based in contract but, shall be linked to the any other cause wrotebower shall be deemed waived unless made in writing and received by Cardinal writin, 30 days after completion of the appendix of the classes o	aid by the citiest for the for completion of the applicable refers, the subuldanies, and on a faundanies.
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Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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