RECEIVED

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 0 S. St. Francis Dr., Santa Fe, NM 87505

.tach Additional Sheets If Necessary

State of New Mexi By JKeyes at 2:39 pm, May 11, 2016

Energy Minerals and Natural Resources

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



			Release Notific	cation	and Co	rrective A	ction			,
					OPERA	OR		Initia	l Report	Final Report
Name of Co	ompany	Energy	Transfer		Contact P					
	1.0. Box		al nm 88252			10. 325 - 514				
Facility Nar	me 6"	deral	(C-2 line)	F	Facility Typ	e Watural	GAS	Cather	ins	
Surface Ow	mer John	iny Cha	eman Mineral C)wner				API No		
		0	LOCA	TION	OF REI	EASE				
Unit Letter	Section	Township	Range Feet from the		South Line	Feet from the	East/W	est Line	County	
	11	265	37E						Lea	
			Latitude 37. 054	186	Longitud	. 122 12=0	119		201	
			A CAMPAGNA	recognision to		e_/03.1358	47			
Type of Rele	ace Co.	I. A-/ AC			OF RELI Volume of	Delegge 18 11	1.	Volume D	decovered (01116
Source of Re		F 011, 112	t. 600 + Praduced h	MITTC-	Date and H	Release 10 66 our of Occurrence Whom?	e.	Date and		covery 2:30 P.M
Was Immedi	ate Notice C		/		If YES, To	Whom?	Unknow	- ^		1-17-16
		L	Yes No Not R	equired	Email to	o Kellies Jon	es on	1-18-6	from	Phillip Little
By Whom? Was a Water		1 10			Date and H	our				
was a water	course Reac		Yes No			lume Impacting t	he Wate	rcourse.		
If a Watercon	urce was Im	The second state of the second	the state of the s			NA				
AT a Watercook	urse was im	pacieu, Desci	·//							
			1//+3					,	· La	+ 120'
			10					U	valer i	at 120'
Describe Cau	use of Proble	em and Reme	dial Action Taken.*	1 .	n rate	10 1	mela-e-	LI. 101	We et a	mixtur of
Failure	of a se	sment of	dial Action Taken.* 6" pipeline resulti aduced water. Repu	d M	the Icien	se of appl	MAIN	all exi	£ 631	all sign of
naturals	sas, crudi	e oil, t pri	oduced water. Repo	air cr	ew was	sent and	epace	4 80	07 6	bud bibe.
Clean up	crew a	ias also sc	nt to location to	dis u	p and he	ull att Lani	ramino	ited soi	1.	
Describe Are	a Affected	and Cleanup	Action Taken.* provincetely 60	5' Y 9	d' main	spot 40	יער א'ינ	5-pot	267'x	cle spot to so
the rune	ast affi	evita ap	bearing 60	1231	Strew to	North 25	י אנטי	spot		
Panther	Enersy	remedia	ted affected are clean. Sout to OC	a to	NMOCO	lesulators	Gula	delines.	Sample	, were taken
I hereby certi	ify that the i	me back	clean. Sent to OC iven above is true and comp	n and	was gi	ven permiss	in t	o back	till.	OCD rules and
regulations a	ll operators	are required t	o report and/or file certain r	elease no	e desi of my	id perform correct	tive acti	ons for rele	eases which	may endanger
public health	or the envir	conment. The	acceptance of a C-141 repo	ort by the	NMOCD m	arked as "Final Re	eport" de	oes not reli	eve the open	rator of liability
should their	operations h	ave failed to	adequately investigate and r	emediate	contaminati	on that pose a thre	eat to gr	ound water	, surface wa	iter, human health
federal, state.	or local lay	ddition, NMC	OCD acceptance of a C-141	report do	es not reliev	e the operator of	responsi	bility for co	ompliance w	vith any other
	N	1.,				OIL CON	SERV	ATION	DIVISIO)N
Signature:	110	Alle								
Signature.	PX	u water						Jamit	- Viyer	
Printed Name	e: P	hillip Lin	He	<i>F</i>	Approved by	Environmental S	pecialist	: ′	,	
Title: (Constra	uction (Specialist	A	Approval Dat	e: 05/11/2016	I	Expiration 1	Date: ///	
E-mail Addre	ass. N. T.	1: 1. 1: 41.	Dens L		Candisi (A manage I				
		if il tile	@ energy transfe		Conditions of	Approval:			Attached	100000
ate: 5	- 9-16		Phone: 575-431-25	84	111				1RP 411	3

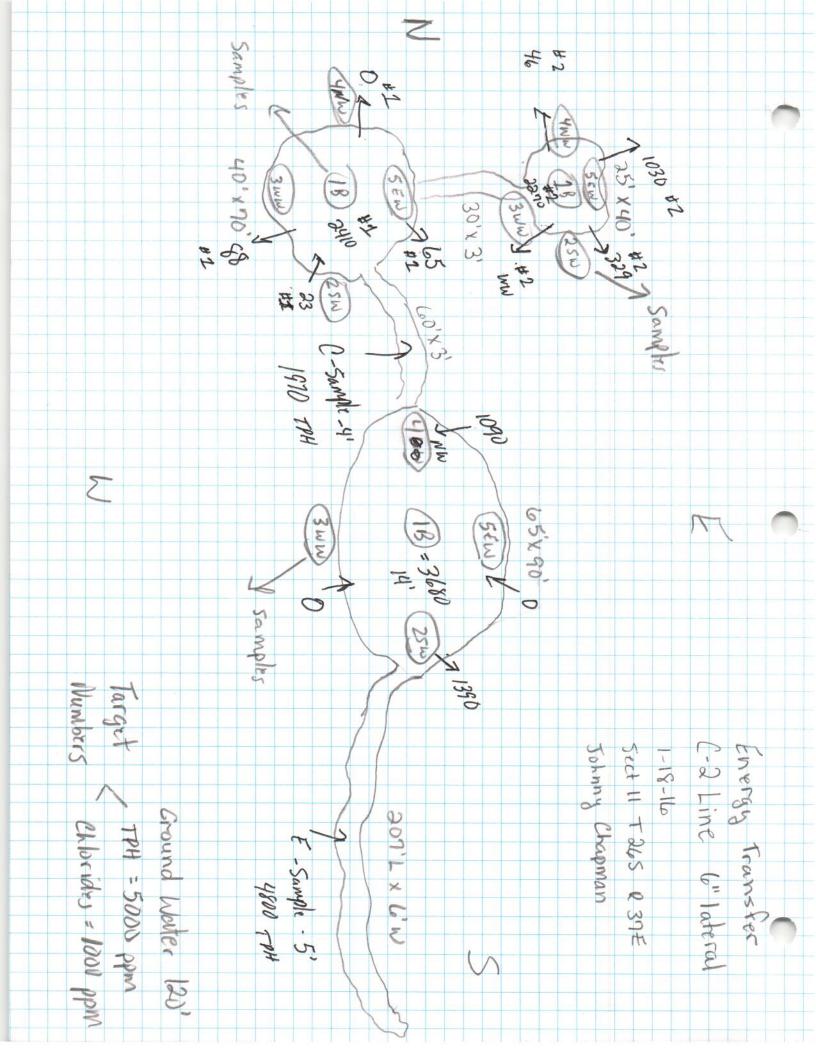
On 1-17-16 a segment of 6" pipeline failed and released approximately 10bbls of fluid. A repair crew was sent to the location. Repair crew replaced 80' of 6" poly pipe. Line was taken out of service. There were a few spots affected. Main spot where leak originated was 65'x90'. The spill ran down R.O.W. 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 www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



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

Received:

03/08/2016

Sampling Date:

03/08/2016

Reported:

03/09/2016

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: B-2 @ 11' (H600497-01)

BTEX 8021B	mg/	kg	Analyze	d 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	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2016	ND	448	112	400	15.4	
TPH 8015M	mg	/kg	Analyze	d 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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	127	% 28-17.	1						

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 whistoever shall be deemed waved 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 subsidiances, 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



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

Received:

03/08/2016

03/09/2016

Reported: Project Name:

C-2 LINE

Project Number:

NONE GIVEN

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

03/08/2016

Jodi Henson

Sample ID: SP - 2 (H600497-02)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.458	0.250	03/09/2016	ND	1.92	95.8	2.00	0.125	
Toluene*	6.81	0.500	03/09/2016	ND	1.89	94.5	2.00	0.0761	
Ethylbenzene*	2.99	0.500	03/09/2016	ND	1.72	85.9	2.00	0.302	
Total Xylenes*	18.6	1.50	03/09/2016	ND	5.30	88.4	6.00	0.314	
Total BTEX	28.8	2.75	03/09/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIE	107	% 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	112	16.0	03/08/2016	ND	448	112	400	15.4	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
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	
DRO >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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	133	% 28-17	I						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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.

Celeg theene-



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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Celeg D. Kreine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(575) 393-2326 FAX (575) 393-2476		
Company Name: FAIEN GY TAANSFER	BILL TO	ANALYSIS REQUEST
Project Manager: Phill & LiTLS	P.O. #:	
	Company: E. TRANSFEA	
City: JAL State: Mr Zip: 88253		
Phone #: 575-63- 45 40 Fax #:	Address:	
Project #: Project Owner:	City: JAL	
ame: C-2 LINS	State: NM. Zip: 88252	
9	Phone #: 575-631-4548	
Sampler Name:	Fax #:	
Sampler Maine. You	MATRIX PRESERV SAMPLING	
CONTAINERS GROUNDWATER WASTEWATER	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	April Billet
R-2 P 11' 61	-	7 4
2 50-2 6	0 0 0 0	
PLEASE NOTE: Liability and Damager. Cardenal's facility and cleric's exclusive sensely for any claim arrang whether based in contract or lock shall be limited to the amount paid by the cleric for the period of the period of the completion of the completion of the period of the completion of the completion of the period of the completion of the comple	ir based in contract or toot, shall be limited to the amount past by the client for the image in writing and received by Cardinal within 30 days after completion of the applications of the applications of the applications of the applications of the applications.	a de la companya de l
service. In no exert shall Cardinal be lable for incidental or consequental damage, including service instance, consequently cardinal reparties of services of whether such claim is based upon any of the above shalled reasons or otherwise.	thether such claim is baged upon any of the above stated reasons or otherwise. Phone Result:	∃ Yes □
	We was a	□ No
Don Rear 111/2:52	_	ach

郎

3.80

Delivered By: (Circle One) Sampler - UPS - Bus - Other: Relinquished By:



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 www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keens

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



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

Received:

03/11/2016

Sampling Date:

03/11/2016

Reported:

03/17/2016

Sampling Type:

Soil

BTEX 8021B

Project Name:

C-2 LINE

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

mg/kg

Sample Received By:

Jodi Henson

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

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

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	% 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	Qualifier
Chloride	32.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed 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	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						

Analyzed By: MS

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.

Celeny Theene-



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

Received:

BTEX 8021B

03/11/2016

Sampling Date:

03/11/2016

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: #1-NW COMP (H600536-02)

DIEX OUZID									
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	99.2	% 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	Qualifier
Chloride	<16.0	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	<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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	98.2	% 28-17	1						

Analyzed By: MS

Cardinal Laboratories

*=Accredited Analyte

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Celeg to Keene



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

Received:

03/11/2016

Sampling Date:

03/11/2016

Reported:

03/17/2016

Sampling Type:

Soil

C-2 LINE

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

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

BTEX 8021B	mg/	kg	Analyze	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, SM4500CI-B	mg	/kg	Analyze	d 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	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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Celley D. Keene



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

Received:

03/11/2016

Sampling Date:

03/11/2016

Reported:

03/17/2016

Sampling Type:

Soil

C-2 LINE

Sampling Condition:

Cool & Intact

Project Name:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Number: Project Location:

CHAPMAN RANCH - SE OF JAL, NM

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

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	% 73.6-14	0						
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	Qualifie
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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Celeny D. treene



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

Received:

03/11/2016

Sampling Date:

03/11/2016

Reported:

Sampling Type:

Soil

03/17/2016

Cool & Intact

Project Name:

C-2 LINE

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

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

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*	0.318	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	% 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	32.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed 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	
DRO >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 Theene-



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

Received:

03/11/2016

Reported:

03/17/2016

Project Name: Project Number: C-2 LINE

Project Location:

NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

03/11/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

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	100	% 73.6-14	0						
loride, 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	
DRO >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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	101	% 28-17	1						

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Celeg & Keene



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

Received: Reported: 03/11/2016

03/17/2016

C-2 LINE

Project Name: Project Number:

NONE GIVEN

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

ate: 03/11/2016

Soil

Sampling Type:

5011

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

BTEX 8021B	mg/	kg	Analyze	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 (PIE	101	% 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	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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	88.8	3 % 28-17	I						

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Celeg & Kreene



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

Received:

03/11/2016

Reported:

03/17/2016 C-2 LINE

Project Name: Project Number:

NONE GIVEN

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

03/11/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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					
Surrogate: 4-Bromofluorobenzene (PIL	99.7	% 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	32.0	16.0	03/17/2016	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed 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	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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	96.1	% 28-17	1						

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

Received:

03/11/2016

Sampling Date:

03/11/2016

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: SP-3 COMP (H600536-09)

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					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 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	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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	124	% 28-17	I						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kreene



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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Celega Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	ENERGY TRANSFER	A	BILL TO	ANALYSIS REQUEST
Project Manager:			P.O. #:	- 1
Address:			Company: F. TRANS FER	
city: Jel		State: NM. Zip: 88252	Attn: P. L. #16	
Phone #: 575-631-4540	631-4540 Fax#:		Address:	
Project #:	Project Owner:	wner:	City: JAC	
Project Name:	C-2 LINE Chap,	CHAPMAN RANCA	State: NA Zip: 88252	
Project Location:	SEOF JAL NM.	•	Phone #: 575-631-4540	
Sampler Name:	Don Green		Fax #:	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D. HIGGO536	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TO ASE
-	#1-EW COM	=	3-11-16 8	2-
N	1-NW "			
W	1-WW "		7)	
4	7-56 "			
Cr	2-EW =		0:00	
0	2-NW "			
2	2- WW :		-	
B	2-5W "	-		
٥	58-3 "			•
	100 mm			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393/2826 Sample Condition
Cool Intact
Ves Ves
No No

4.60

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

Time:

Relinquished By

3-11-16

Phone Result: Fax Result: REMARKS:

No No













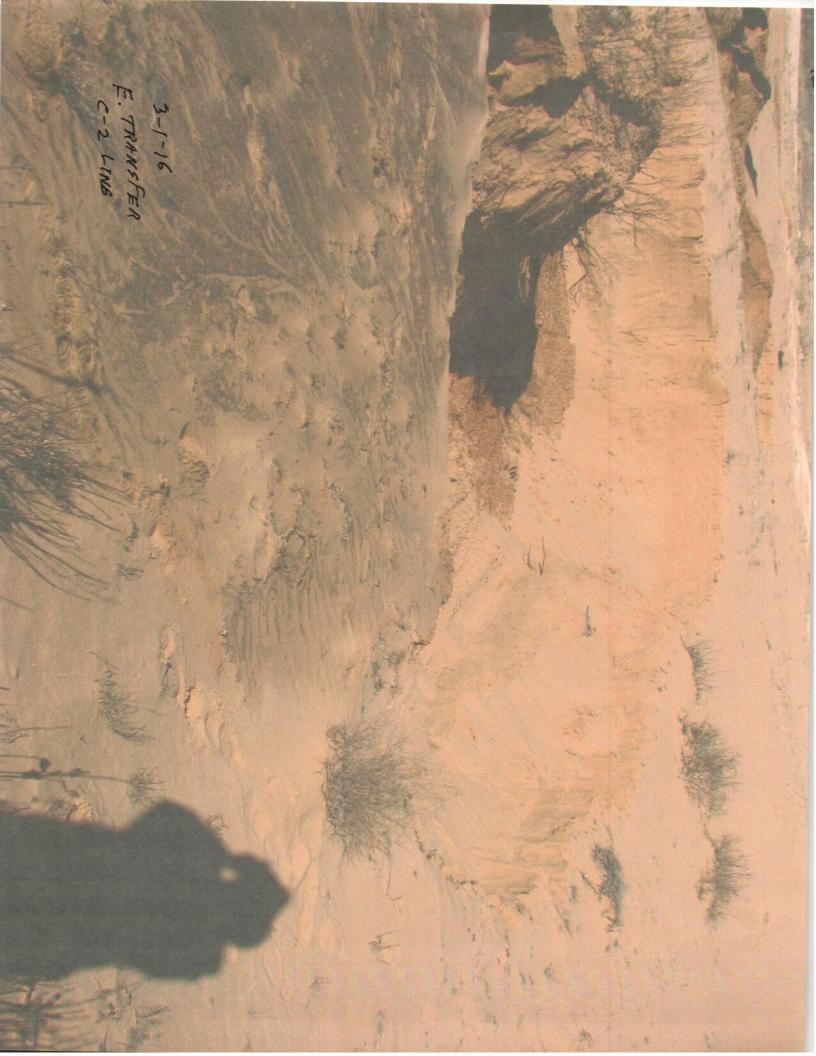


E-INBNSTER

65 x x-3

7 3-17









March 17, 2016

PHILLIP LITTLE

EMERGY 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 www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab 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.

Celey D. Keine

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



ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 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: 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, 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	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	Qualifier
GRO C6-C10	396	10.0	03/16/2016	ND	187	93.6	200	6.53	
DRO >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	% 35-147	7						
Surrogate: 1-Chlorooctadecane	118	% 28-17.	I						

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Celegit trene



ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 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: NW - COMP (H600577-02)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.6-14	0						
Chloride, SM4500Cl-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	Analyze	d 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	
DRO >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	% 35-14	7						
Surrogate: 1-Chlorooctadecane	108	% 28-17	1						

Analysed Don MC

Cardinal Laboratories

*=Accredited Analyte

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Celeg Litrena



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

Received:

03/16/2016

Reported:

03/17/2016

Project Name: Project Number: C-2 LINE

Project Location:

NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

pling Date:

03/16/2016 Soil

Sampling Type:

5011

Sampling Condition: Sample Received By:

Cool & Intact

Jodi 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	Qualifier
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 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	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	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				3005	
Surrogate: 1-Chlorooctane	93.69	% 35-147							
Surrogate: 1-Chlorooctadecane	100 %	6 28-171							

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*=Accredited Analyte

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Celeg L. Keine



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: Project Location: NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

03/16/2016

Soil

Cool & Intact

Jodi Henson

Sample ID: WW - COMP (H600577-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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, 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	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	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	% 35-147							
Surrogate: 1-Chlorooctadecane	98.7	% 28-171							

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Celley Theme



ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 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: B - COMP @ 14' (H600577-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.26	1.00	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	23.9	1.00	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	10.0	1.00	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	66.9	3.00	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEX	102	6.00	03/17/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 73.6-14	0				(10)		
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/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2070	10.0	03/17/2016	ND	187	93.6	200	6.53	
DRO >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 9	% 35-147							
Surrogate: 1-Chlorooctadecane	133 9	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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College Thema



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: Project Location: NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

Sampling Type:

03/16/2016 Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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	Qualifier
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/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/17/2016	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS	10.000				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	234	10.0	03/17/2016	ND	187	93.6	200	6.53	
DRO >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 %	6 35-147							
Surrogate: 1-Chlorooctadecane	116%	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celeg Litreene



ENERGY TRANSFER PHILLIP LITTLE P. O. BOX 1226 JAL NM, 88252 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: 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	Qualifier
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, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	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	Qualifier
GRO C6-C10	731	50.0	03/17/2016	ND	187	93.6	200	6.53	
DRO >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	% 35-147	,						
Surrogate: 1-Chlorooctadecane	167	% 28-17.							

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Celey T. Kreine



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. 5-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC QR-02 batch were accepted based on percent recoveries and completeness of QC data. Analyte NOT DETECTED at or above the reporting limit ND 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

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Celeg Z. Kenna



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	ENERGY TARMS FER	BILL TO	ANALYSIS REQUEST
Project Manager:	Phillip Little	P.O. #:	
Address:		Company: E. TRANSFER	
City: JAL	L State: NM Zip: 88252		
Phone #: 575-631-4540	~91	Addres	
Project #:	Project Owner: E.T.	City: JAL	
ame:	C-2 LING ChAPMAN RANCH	State: WM. Zip: 88252	
Project Location: 5E	SE OF JAL, NM.	Phone #: 575-131-4540	
Sampler Name:	Hon.	Fax#:	
ATMO 3SRI BYT BOY		MATRIX PRESERV SAMPLING	
Lab I.D.	Sample I.D. B OR (C)OMM VIAINERS UNDWATER EWATER	R BASE COOL R:	
1600577	# CON	SOIL OIL SLUDGOTHE ACIDIN	CL
-			
-	929	= :	
14	WW. COMP. CI		
60	1 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0) (80	
	8.	1 1 1:30	
OF TANK SOUTH SOUT			
service. In no event shall Cauphal be jupite for modernal or officiales or supplessors arising out of or related to the perion			
Relinquished By:	Date: Regeived By:	Phone Result: Yes	Yes O No Add'l Phone #: Yes O No Add'l Fax #:

4.80

Sample Condition
Cool Intact
Wes 4 Yes
No No No

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

J-16 - 16 J: 2/

Phone Result: Fax Result: REMARKS:



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 www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab 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.

Celeg D. Keine

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



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

Received:

03/17/2016

Reported:

03/18/2016

Project Name:

C-2 LINE

Project Number: Project Location: NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

Sample Received By:

03/17/2016

Soil

Sampling Type: Sampling Condition:

Cool & Intact

Jodi Henson

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	
DRO >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 T. 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
5-00	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 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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Celleg Thema

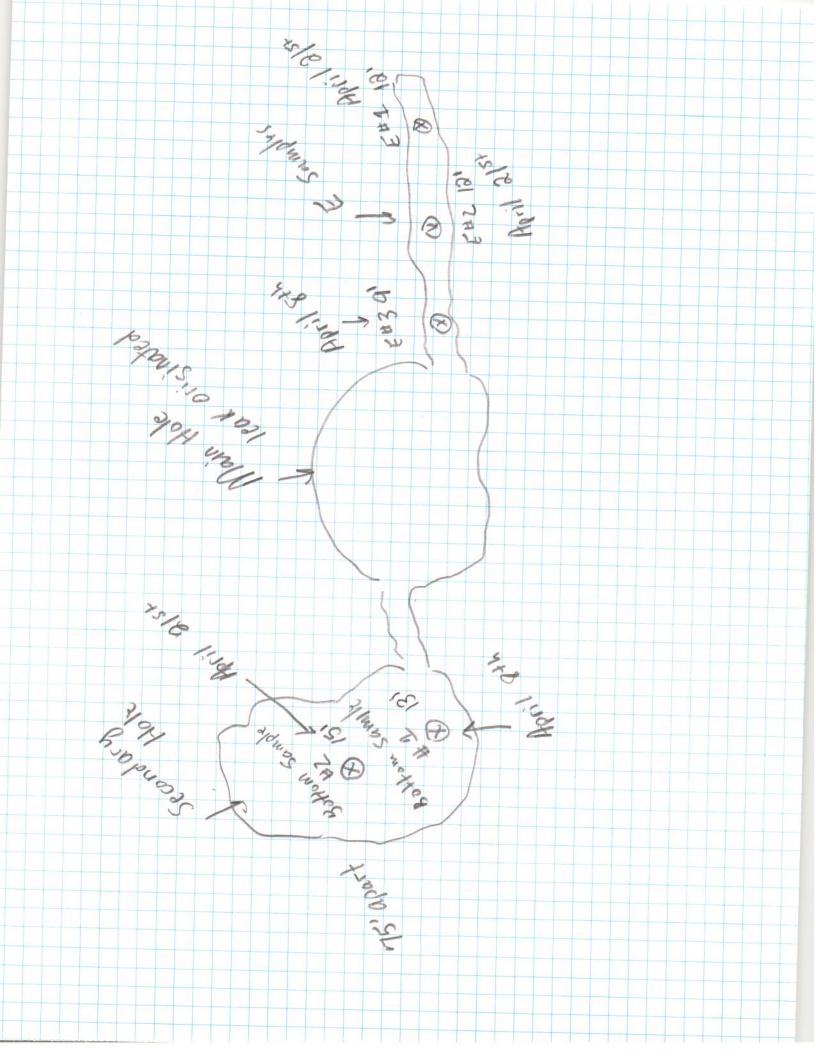














April 08, 2016

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 www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



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

Received:

04/05/2016

Reported:

04/08/2016

Project Name:

C-2 LINE

Project Number:

NONE GIVEN

Project Location:

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/05/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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	Qualifier
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				10000	
Surrogate: 4-Bromofluorobenzene (PIL	105 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	48.0	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS				10100	
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	-24770.000-7			1137	
Surrogate: 1-Chlorooctane	82.8 9	6 35-147							
Surrogate: 1-Chlorooctadecane	83.0 9	6 28-171							

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Celent Keine



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

Received:

04/05/2016

Reported:

04/08/2016

Project Name: Project Number:

C-2 LINE NONE GIVEN

Project Location:

CHARMAN BANGU

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/05/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

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

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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			37.676.X		
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 73.6-14	0			12			
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			0.00000	3.,,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10	2240	10.0	04/06/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	1170	10.0	04/06/2016	ND	170	85.0	200	4.37	
EXT DRO >C28-C35	90.5	10.0	04/06/2016	ND		05.0	200	4.57	
Surrogate: 1-Chlorooctane	118 %	6 35-147							
Surrogate: 1-Chlorooctadecane	88.1 9	% 28-171							

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Celey D. Keine



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Received:

04/05/2016

Reported:

04/08/2016

Project Name:

C-2 LINE

Project Number:

CHAPMAN RANCH - SE OF JAL, NM

Project Location:

NONE GIVEN

Sampling Date:

04/05/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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					

105 %

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	<16.0	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS			200.00	3,	
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			-30		

Surrogate: 1-Chlorooctane

122 %

35-147

Surrogate: 1-Chlorooctadecane

105 %

28-171

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Celeg & treene

Celey D. Keene, Lab Director/Quality Manager



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

Received:

04/05/2016

Reported:

04/08/2016

Project Name:

C-2 LINE

Project Number: Project Location: NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/05/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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	% 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	10. 4 40/304-101-01
TPH 8015M	mg/	′kg	Analyze	d By: MS			-16-70		
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	30 3 000 000 000 000 000 000 000 000 000 0
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				1137	
Surrogate: 1-Chlorooctane	113 9	% 35-147							
Surrogate: 1-Chlorooctadecane	90.7	% 28-171							

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Celey & Keens



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

Received:

04/05/2016

Reported:

04/08/2016

Project Name: Project Number: C-2 LINE

Project Location:

NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/05/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By:

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	Qualifier
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 %	6 35-147							
Surrogate: 1-Chlorooctadecane	91.49	6 28-171							

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Received:

04/05/2016

Reported:

04/08/2016

Project Name:

C-2 LINE

Project Number: Project Location:

NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/05/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: MIDDLE BOTTOM (H600723-06)

BTEX 8021B	mg	/kg	Analyze	ed 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					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 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			- 87 . 20		
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				1102	
Surrogate: 1-Chlorooctane	139 %	6 35-147							
Surrogate: 1-Chlorooctadecane	138 9	6 28-171							

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Celleg D. Freene



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

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Celeg & Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Energy Transfer		BILL TO	9		ANALYSIS REQUEST	EST
Project Manager:	11		P.O. #:			- 1	
Address:			Company:				
City:	State:	Zip:	Attn:				
Phone #:	Fax #:		Address:				
Project #:	Project Owner	п	City:				
Project Name:	C-2 line		State: Zip:				
Project Location:			Phone #:				
Sampler Name:			Fax #:				
FOR LAB USE ONLY		MATRIX	PRESERV. SAME	SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	BTEX		
N-	pottom #1 13	-6	1/5/h	77	77		
EW =	- Sample 1 9'			77	1 1		
2	=- Sample 3 9'	- <		7	7		
6	Middle' Bottom	-	-				
PLEASE NOTE: Liability and I analyses. All claims including I service. In no event shall Card affiliates or successors arising.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or loct ahalf be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatspower shall be deemed seaved unless made in writing and sectived by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal to liabile for incidental or consequental damages, including whost limitation beginness arising out or critical profits incurred by client, its absolutional services. Affiliates or successors arising out of or incident to the performance of services hierarchies in against segments so the truth of the above stated reasons or otherwise.	my claim arlaing whether based in contract deemed waiwed unless made in writing and gemed waiwed unless make in writing and gwithout limitation, business interruptions, it audinal, regardess of whether such claim is	or tort, shall be limited to the amount received by Cardinal within 30 days oss of use, or loss of profits incurred s based upon any of the above stated	paid by the client for the after completion of the applicat by client, its subsidiaries, i reasons or otherwise.	ble		
Relinquished By:	71/9 stell	16 Regeived By:	MARIA	Phone Result: Fax Result: REMARKS:	☐ Yes ☐ No	Add'l Phone #: Add'l Fax #:	
			1000	The state of the s			

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

Sample Condition
Cool Intact
Pres Ares
No No

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Time:

Page 9 of 9



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 www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



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

Received:

04/15/2016

Reported:

04/21/2016

Project Name: Project Number:

C-2 LINE

Project Location:

NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/15/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By: 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 OC	RPD	Qualifier
Benzene*	< 0.050	0.050	04/15/2016	ND	2.06	103	2.00	5.88	Qualifici
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	0.03	
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	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	Qualifier
TPH 8015M	mg/	kg	Analyze	d By: MS	2000	201	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	Qualifici
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	30.7	200	0.92	
Surrogate: 1-Chlorooctane	86.9 %	6 35-147							
Surrogate: 1-Chlorooctadecane	97.3 9	6 28-171							

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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: Project Location: NONE GIVEN

CHAPMAN RANCH - SE OF JAL, NM

Sampling Date:

04/15/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Celey D. Keene

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

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	a distribution
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				0.05	
Surrogate: 4-Bromofluorobenzene (PIL	1049	% 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	04/18/2016	ND	416	104	400	0.00	Qualifici
TPH 8015M	mg/	kg	Analyze	d By: MS		201	100	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/15/2016	ND	182	90.8	200	6.71	Qualifici
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	a177.478		200	0.32	
Surrogate: 1-Chlorooctane	91.79	6 35-147							
Surrogate: 1-Chlorooctadecane	108 %	5 28-171							

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Celeg & treens



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:

Sample Received By:

Sampling Type:

04/15/2016 Soil

Sampling Condition:

Cool & Intact

Celey D. Keene

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

BTEX 8021B	mg/	kg	Analyze	ed 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	Qualific
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		03.0	0.00	0.09	
Surrogate: 4-Bromofluorobenzene (PIL	106 %	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 OC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2016	ND	416	104	400	0.00	Qualifier
TPH 8015M	mg/l	c g	Analyze	d By: MS		101	400	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		Qualifier
DRO >C10-C28	246	10.0	04/15/2016	ND	193	96.7	200	6.71	
EXT DRO >C28-C35	32.0	10.0	04/15/2016	ND	133	30.7	200	6.92	
Surrogate: 1-Chlorooctane	85.7 %	35-147							
Surrogate: 1-Chlorooctadecane	107 %	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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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Corriched 4.7°C

Sample Condition Cool Intact Yes 1 Yes

CHECKED BY: (In/Itials)

Date: Time:

Received By

Emil results to:

☐ Yes ☐ No

Add'l Phone #: Add'l Fax #:

Emmanuel @parther energy net

Relinquished By

Relinquished B

