

Fulter Oil & Cattle

South Tal Langley Injection Station

PID Readings ~~9:20 A.M.~~ 8:00 A.M.

1 - 50.1
2 - 240.2
3 - 77.0
4 - 3.7
5 - 4.9
6 - 3.2
7 - 6.5

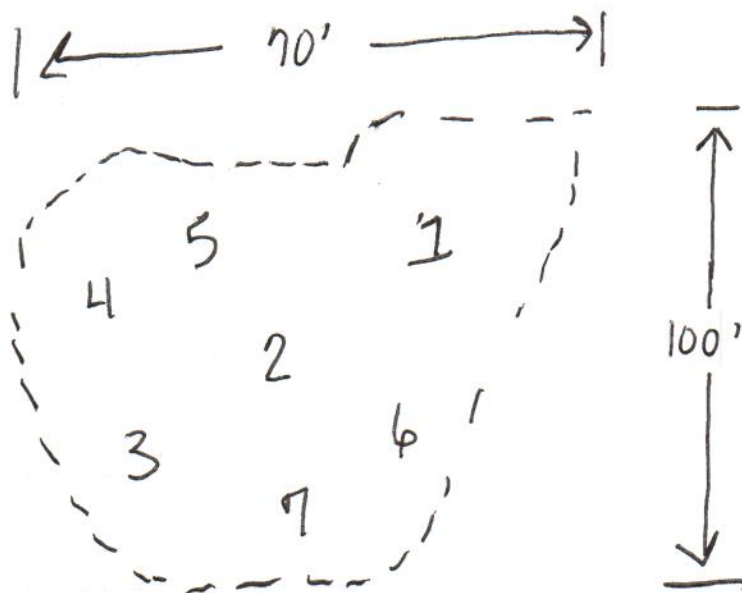
3-2-16

1. 10.9
2. 0
3. 0

} 30"

3-2-16 9:20 A.M.

} 12"



March 04, 2016

GREG FULFER

FULFER OIL & CATTLE

P. O. BOX 1321

JAL, NM 88252

RE: SJLU INJ. STATION

Enclosed are the results of analyses for samples received by the laboratory on 03/02/16 11:04.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 FULFER OIL & CATTLE
 GREG FULFER
 P. O. BOX 1321
 JAL NM, 88252
 Fax To: NONE

 Received: 03/02/2016
 Reported: 03/04/2016
 Project Name: SJLU INJ. STATION
 Project Number: NONE GIVEN
 Project Location: NW OF JAL, NM

 Sampling Date: 03/02/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B-1 @ 30" (H600464-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	10.9	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 90.2 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
GREG FULFER
P. O. BOX 1321
JAL NM, 88252
Fax To: NONE

Received: 03/02/2016
Reported: 03/04/2016
Project Name: SJLU INJ. STATION
Project Number: NONE GIVEN
Project Location: NW OF JAL, NM

Sampling Date: 03/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-2 @ 30" (H600464-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PII) 97.0 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 83.5 % 35-147

Surrogate: 1-Chlorooctadecane 92.9 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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GREG FULFER
P. O. BOX 1321
JAL NM, 88252
Fax To: NONE

Received: 03/02/2016
Reported: 03/04/2016
Project Name: SJLU INJ. STATION
Project Number: NONE GIVEN
Project Location: NW OF JAL, NM

Sampling Date: 03/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-3 @ 30" (H600464-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.8 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 89.7 % 35-147

Surrogate: 1-Chlorooctadecane 96.0 % 28-171

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*=Accredited Analyte

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Analytical Results For:

FULFER OIL & CATTLE
GREG FULFER
P. O. BOX 1321
JAL NM, 88252
Fax To: NONE

Received: 03/02/2016
Reported: 03/04/2016
Project Name: SJLU INJ. STATION
Project Number: NONE GIVEN
Project Location: NW OF JAL, NM

Sampling Date: 03/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-4 @ 12" (H600464-04)
BTEX 8021B

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 97.2 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
GREG FULFER
P. O. BOX 1321
JAL NM, 88252
Fax To: NONE

Received: 03/02/2016
Reported: 03/04/2016
Project Name: SJLU INJ. STATION
Project Number: NONE GIVEN
Project Location: NW OF JAL, NM

Sampling Date: 03/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-5 @ 12" (H600464-05)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.1 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 97.4 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
GREG FULFER
P. O. BOX 1321
JAL NM, 88252
Fax To: NONE

Received: 03/02/2016
Reported: 03/04/2016
Project Name: SJLU INJ. STATION
Project Number: NONE GIVEN
Project Location: NW OF JAL, NM

Sampling Date: 03/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-6 @ 12" (H600464-06)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.7 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	<10.0	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 91.1 % 35-147

Surrogate: 1-Chlorooctadecane 99.7 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
GREG FULFER
P. O. BOX 1321
JAL NM, 88252
Fax To: NONE

Received: 03/02/2016
Reported: 03/04/2016
Project Name: SJLU INJ. STATION
Project Number: NONE GIVEN
Project Location: NW OF JAL, NM

Sampling Date: 03/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-7 @ 12" (H600464-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2016	ND	2.04	102	2.00	0.850	
Toluene*	<0.050	0.050	03/03/2016	ND	2.00	99.8	2.00	0.844	
Ethylbenzene*	<0.050	0.050	03/03/2016	ND	1.79	89.5	2.00	0.0755	
Total Xylenes*	<0.150	0.150	03/03/2016	ND	5.43	90.5	6.00	0.845	
Total BTEX	<0.300	0.300	03/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.8 % 73.6-140

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	03/03/2016	ND	203	101	200	1.31	
DRO >C10-C28	20.5	10.0	03/03/2016	ND	231	116	200	10.5	

Surrogate: 1-Chlorooctane 95.6 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Fulfer

Attn: Don Green

Address:

City: JAL

State: NM Zip: 88252

Phone #: 432-530-7767

Fax #:

Company Name: Fulfer Oil & Cattle Co

Project Manager: E. Lujan

Address: JAL State: NM Zip: 88252

City: JAL Fax #:

Phone #: Project Owner: G. Fulfer

Project #:

Project Name: SOLLA inj. Station

Project Location: NW of JAL, N.M.

Sampler Name: Don Green

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H0004104

1 B-1 @ 30"
2 B-2 @ 30"
3 B-3 @ 30"
4 B-4 @ 12"
5 B-5 @ 12"
6 B-6 @ 12"
7 B-7 @ 12"

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE / COOL

OTHER

DATE

TIME

3-2-16 9:15
" 9:15
" 9:15
" 9:20
" "
" "

TPH
BTEX

✓
✓
✓
✓
✓
✓

Relinquished By:

Don Green

Date: 3-2-16

Time: 11:04

Received By:

Don Green

Phone Result:

REMARKS:

Yes ☐ No ☐

Add'l Phone #:

Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5.20

Sample Condition
Cool ☒ Intact ☒
Dry ☒ Wet ☐
No ☐ Yes ☐

CHECKED BY: [Signature]