

January 30, 2015

Keith Cannon

HEYCO

500 N. Main

Roswell, NM 88202

RE: **EDDY JP STATE #1**

Enclosed are the results of analyses for samples received by the laboratory on 01/29/15 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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:

HEYCO
Keith Cannon
500 N. Main
Roswell NM, 88202
Fax To: (505) 622-0233

Received: 01/29/2015
Reported: 01/30/2015
Project Name: EDDY JP STATE #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 01/29/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EAST 4' (H500271-01)
BTEX 8021B

32° 41' 54.3" N
103° 49' 31.7" W

mg/kg

Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2015	ND	1.84	92.0	2.00	9.13	
Toluene*	<0.050	0.050	01/30/2015	ND	1.75	87.3	2.00	9.81	
Ethylbenzene*	<0.050	0.050	01/30/2015	ND	1.67	83.7	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/30/2015	ND	5.00	83.3	6.00	9.92	
Total BTEX	<0.300	0.300	01/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 61-154

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	01/29/2015	ND	416	104	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2015	ND	201	100	200	7.96	
DRO >C10-C28	<10.0	10.0	01/29/2015	ND	213	107	200	10.8	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

HEYCO
Keith Cannon
500 N. Main
Roswell NM, 88202
Fax To: (505) 622-0233

Received: 01/29/2015
Reported: 01/30/2015
Project Name: EDDY JP STATE #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 01/29/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW 4' (H500271-02)
BTEX 8021B

32° 41' 53.9" N
103° 49' 32.2" W
mg/kg

Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2015	ND	1.84	92.0	2.00	9.13	
Toluene*	<0.050	0.050	01/30/2015	ND	1.75	87.3	2.00	9.81	
Ethylbenzene*	<0.050	0.050	01/30/2015	ND	1.67	83.7	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/30/2015	ND	5.00	83.3	6.00	9.92	
Total BTEX	<0.300	0.300	01/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.3 % 61-154

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	01/29/2015	ND	432	108	400	3.77	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2015	ND	201	100	200	7.96	
DRO >C10-C28	<10.0	10.0	01/29/2015	ND	213	107	200	10.8	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

HEYCO
Keith Cannon
500 N. Main
Roswell NM, 88202
Fax To: (505) 622-0233

Received: 01/29/2015
Reported: 01/30/2015
Project Name: EDDY JP STATE #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 01/29/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NW 4' (H500271-03)

BTEX 8021B

32° 41' 54.4" N
103° 49' 32.4" W
mg/kg

Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2015	ND	1.84	92.0	2.00	9.13	
Toluene*	<0.050	0.050	01/30/2015	ND	1.75	87.3	2.00	9.81	
Ethylbenzene*	<0.050	0.050	01/30/2015	ND	1.67	83.7	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/30/2015	ND	5.00	83.3	6.00	9.92	
Total BTEX	<0.300	0.300	01/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 61-154

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	01/29/2015	ND	432	108	400	3.77	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2015	ND	201	100	200	7.96	
DRO >C10-C28	<10.0	10.0	01/29/2015	ND	213	107	200	10.8	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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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

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Hoyet E. Yates (Hoyco)
Project Manager: Keith Cannon

P.O. #:

BILL TO

ANALYSIS REQUEST

Address: 500 N. Main Suite 501
City: Roswell State: NM Zip: 88262

Company: Hoyco
Attn: Keith Cannon
Address: P.O. Box 1933
City: Roswell

Phone #: 575 623 6601 Fax #: 684-5321

State: NM Zip: 88202
City: Roswell

Project Name: Eddy JP State #1
Project Location: Eddy Co.

State: NM Zip: 88202
Phone #: 575 623 6601

Sampler Name: Keith Cannon

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H50071

1 East 4'
2 SW 4'
3 NW 4'

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :

MATRIX

PRESERV

SAMPLING

DATE
TIME

1/29/15

TPH
BTEX
CI

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Relinquished By:

Keith Cannon

Date: 1-23-15
Time: 1:05

Received By:

Heidi Stender

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

3.42

Sample Condition
Cool ☒ Intact ☒
Yes ☒ No ☐

CHECKED BY:
(initials)

JS

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

REMARKS:

Best!!

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