

Bratcher, Mike, EMNRD

From: BD Environmental <bdenvironmental@gmail.com>
Sent: Monday, March 11, 2013 9:11 PM
To: Bratcher, Mike, EMNRD
Subject: Fwd: Cortez Trucking - 2RP-331
Attachments: Sampling Diagram 3-1-13.pdf; H300537 BDE.pdf

Mr. Bratcher

Let's try this again with the attachments. The sampling event on 3/1/2013 was conducted in areas identified as hotspots; Flowpath and N2. Please see attached diagram. Delineation samples were done to determine the vertical and horizontal extent of the impact. The sampling results can be found in the table below. Also, it was determined at 21" – 24" a hard caliche layer is encountered. This layer was unable to be breached by the backhoe.

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Thank you,
Justin Riggs

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From: **BDE** <bdenvironmental@gmail.com>
Date: Mon, Mar 11, 2013 at 9:41 AM
Subject: Fwd: Cortez Trucking - 2RP-331
To: EMNRD Bratcher Mike <mike.bratcher@state.nm.us>

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Sent from my iPhone

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From: BD Environmental <bdenvironmental@gmail.com>

Date: March 11, 2013, 7:41:21 AM MDT

Cc: U245kn0694@yahoo.com

Subject: Re: Cortez Trucking - 2RP-331

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NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

From: BDE [mailto:bdenvironmental@gmail.com]

Sent: Monday, February 25, 2013 6:28 PM

To: Bratcher, Mike, EMNRD

Subject: Re: Cortez Trucking - 2RP-331

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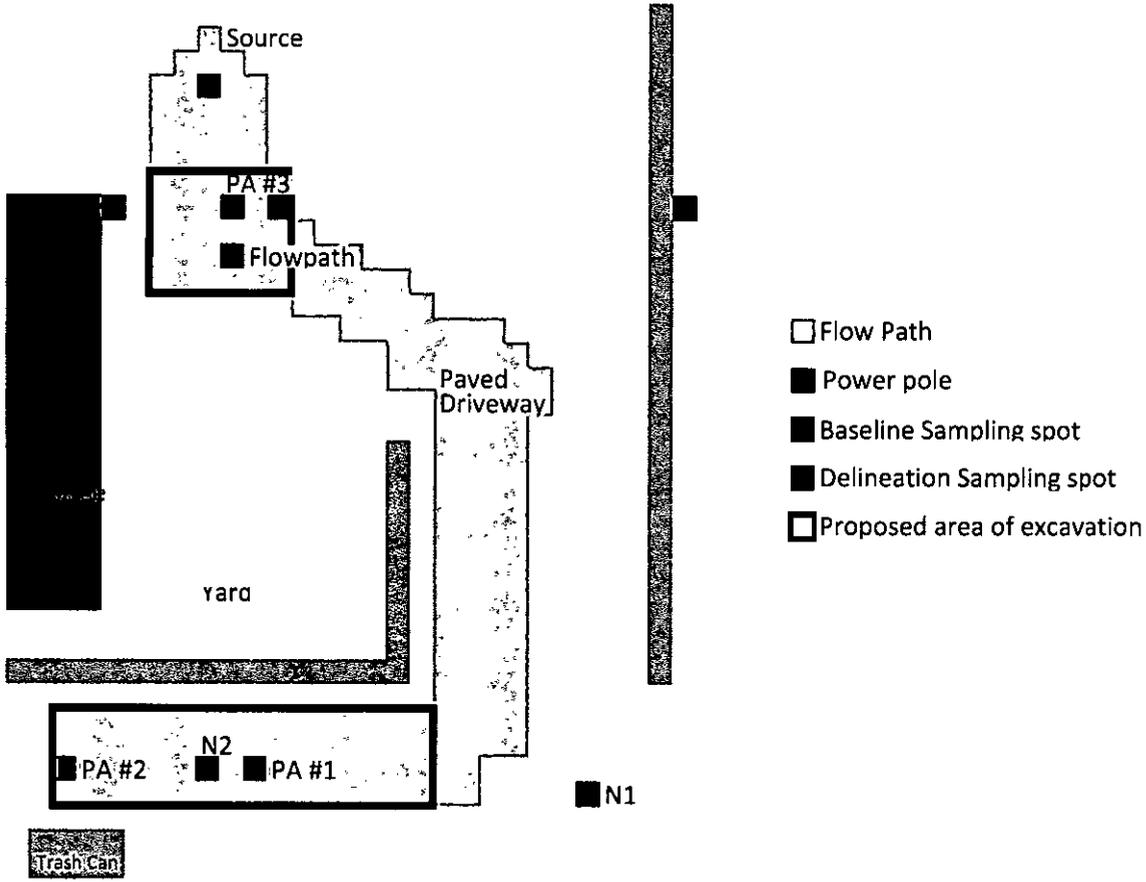
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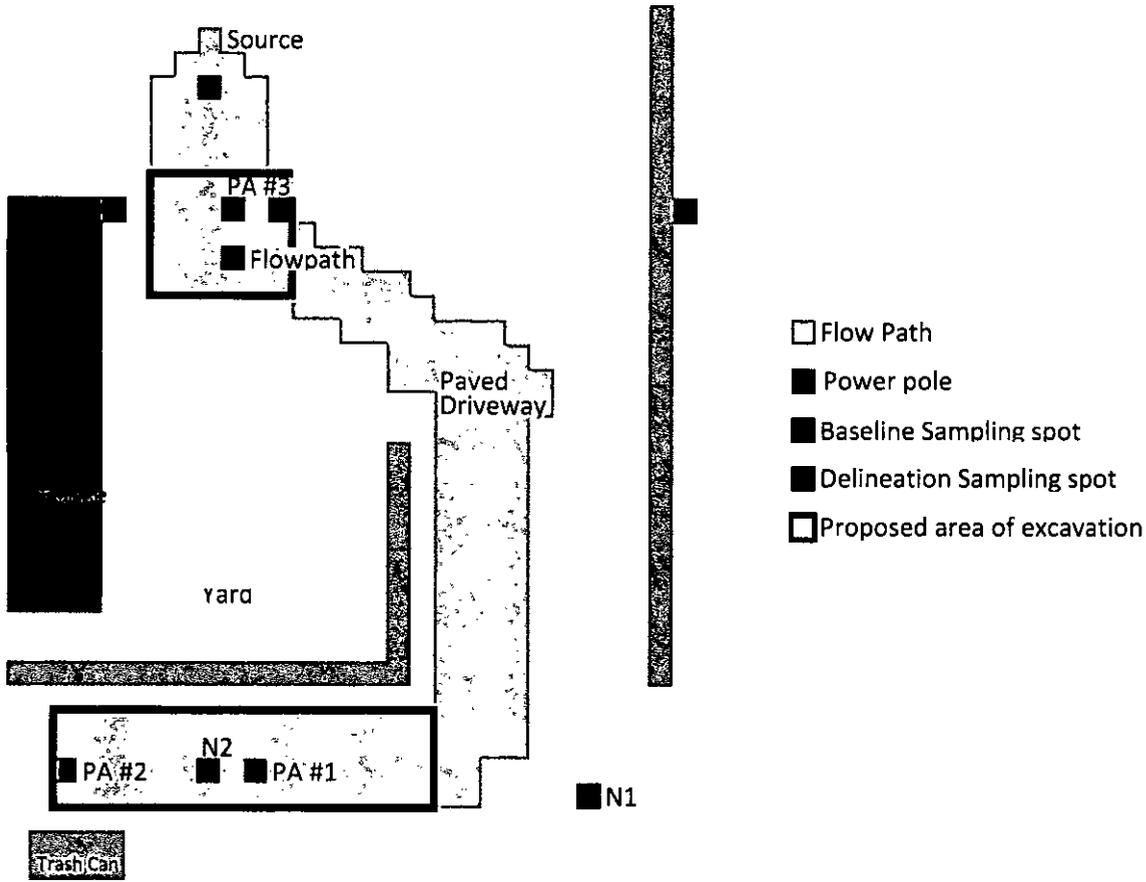
Cortez Trucking Sampling Diagram March 1, 2013 6:00 am



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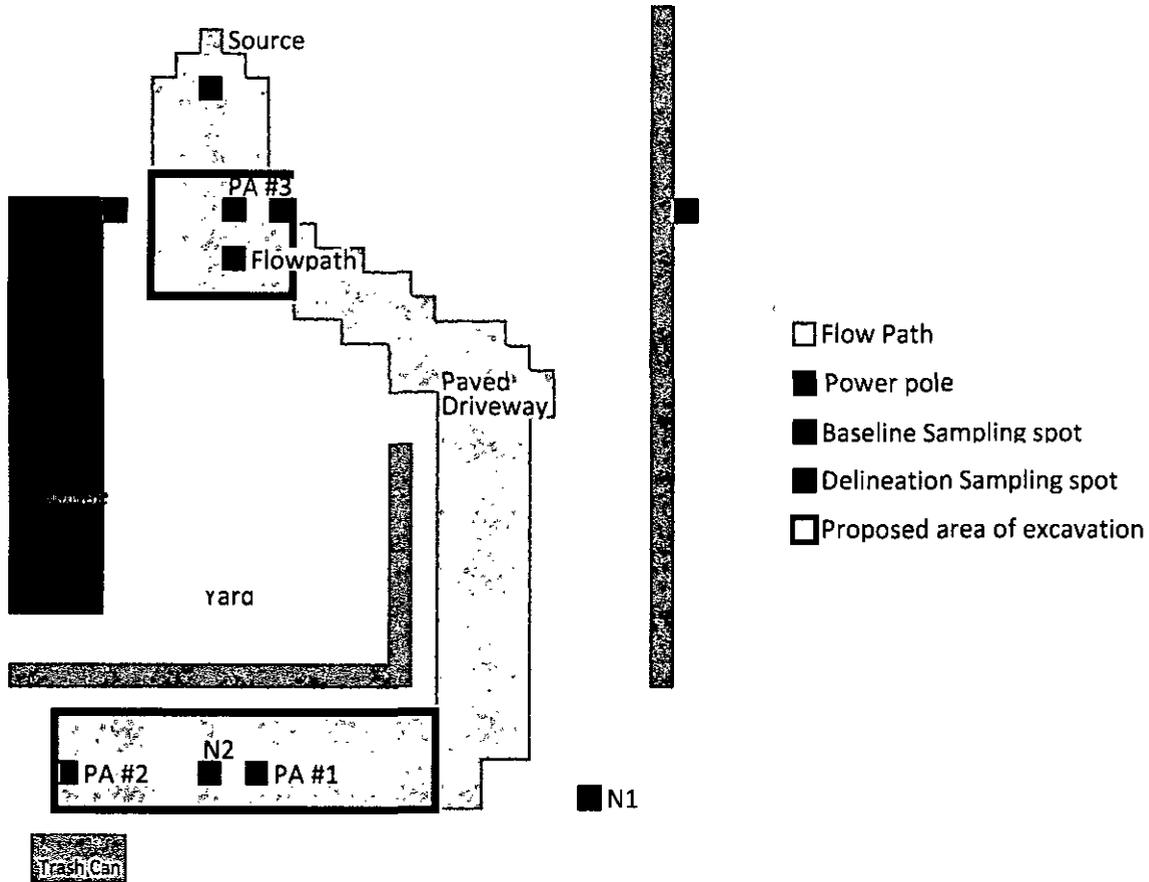
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Justine Riggs

Sent from my iPhone

On Feb 21, 2013, at 1:02 PM, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us> wrote:

Reference: Cortez Trucking * OCD Tracking Number: 2RP-331

Mr. Riggs,

Your proposal for delineation and removal of contaminated soils, due to a release of produced fluids, as related to the above referenced incident, is approved. Please notify OCD 48 hours prior to commencement of remedial activities, and 48 hours prior to obtaining samples where the analyses are to be presented to OCD.

OCD approval does not relieve Cortez Trucking of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve Cortez Trucking of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notifications, please contact me.

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

From: BD Environmental [<mailto:bdenvironmental@gmail.com>]

Sent: Wednesday, February 20, 2013 9:28 PM

To: Bratcher, Mike, EMNRD

Cc: U245kn0694@yahoo.com; aweyant@yatespetroleum.com

Subject: Re: Cortez Trucking - 2RP-331

Mr. Bratcher,

Thank you for the provided paperwork, Attached is the requested workplan. Upon approval of this plan we will notify you of the scheduled the delineation, so you may witness the sampling. If you have any questions or concerns please feel free to contact me.

Thank you,

Justin Riggs

On Thu, Oct 11, 2012 at 9:59 PM, James Weyant <bdenvironmental@gmail.com> wrote:

Mr. Bratcher,

I have been retained by Cortez Trucking & Oilfield Service to obtain soil samples in association with a 2009 release of produced water. It is my understanding that in order to resolve this issue associated with Case # 2RP-331, Cortez Trucking must meet Recommended Remediation Action Levels (RRALs) set forth by the Guidelines for Remediation of Leaks, Spills and Releases (1993). As I understand it the RRALs are based on depth to ground water, distance to surface water body, and distance to a wellhead protected area and include limits for benzene, BTEX, and TPH. I want to confirm this information with you before I extract my initial samples and incur the cost of lab analysis.

Thank you taking the address my questions.

Justin Riggs

Chief Scientist
BD Environmental
Las Cruces, NM



March 07, 2013

AUSTIN WEYANT
B D ENVIRONMENTAL
2709 SANDIGALE DRIVE
LAS CRUCES, NM 88001

RE: CORTEZ TRUCKING

Enclosed are the results of analyses for samples received by the laboratory on 03/01/13 14:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

 Received: 03/01/2013
 Reported: 03/07/2013
 Project Name: CORTEZ TRUCKING
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PA #1 (H300537-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

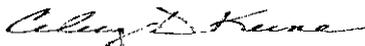
Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

 Received: 03/01/2013
 Reported: 03/07/2013
 Project Name: CORTEZ TRUCKING
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PA #2 (H300537-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

Surrogate: 1-Chlorooctane 84.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

 Received: 03/01/2013
 Reported: 03/07/2013
 Project Name: CORTEZ TRUCKING
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE #3 (H300537-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

Surrogate: 1-Chlorooctane 83.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

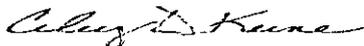
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

March 07, 2013

AUSTIN WEYANT
B D ENVIRONMENTAL
2709 SANDIGALE DRIVE
LAS CRUCES, NM 88001

RE: CORTEZ TRUCKING

Enclosed are the results of analyses for samples received by the laboratory on 03/01/13 14:40.

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

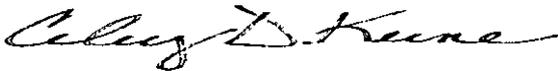
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

 Received: 03/01/2013
 Reported: 03/07/2013
 Project Name: CORTEZ TRUCKING
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PA #1 (H300537-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.2 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

 Received: 03/01/2013
 Reported: 03/07/2013
 Project Name: CORTEZ TRUCKING
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PA #2 (H300537-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

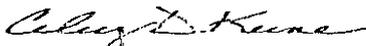
Surrogate: 1-Chlorooctane 84.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

 Received: 03/01/2013
 Reported: 03/07/2013
 Project Name: CORTEZ TRUCKING
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/01/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE #3 (H300537-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

Surrogate: 1-Chlorooctane 83.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

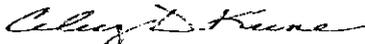
Notes and Definitions

- 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



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: **RDE**

Project Manager:

Address:

City:

Phone #:

Project #:

Project Name:

Project Location:

Sampler Name:

State: Zip:

Fax #:

Project Owner:

City: State: Zip:

Phone #:

Fax #:

BILL TO

P.O. #:

Company: **RDE**

Attn: **POSTAL**

Address: **SALES**

City: **LOS ALAMOS**

State: **NM** Zip: **88001**

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV		SAMPLING		DATE	TIME	X	X	X	X	X	X
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:									
H300557																					
	DA #1		1											3/1	6:30	X	X	X	X	X	X
	DA #2		1											3/1	6:30	X	X	X	X	X	X
	SAMPLE #3		1											3/1	6:30	X	X	X	X	X	X

PLEASE NOTE: Labels and Containers, Cardinal's liability and others in a future remedy for any data being used or based in a contract on this should be voided to the extent of the contract for the use of the data. All data including those by negligence and any other cause whatsoever shall be deemed voided unless such is in writing and retained by Cardinal within 30 days after completion of the analysis. In no event shall Cardinal be liable for negligent or consequential damages, including reasonable attorneys' fees or costs of suit, arising out of or from the use of the data. Release of this information is not intended to be an offer of insurance. For more information, contact Cardinal Laboratories at 101 East Marland, Hobbs, NM 88240.

Relinquished By: **Mark Meyer**

Date: **3/1/13**

Received By: **Medi Mendon**

Relinquished By: **Mark Meyer**

Date: **3/1/13**

Received By: **Medi Mendon**

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: **402**

Sample Condition

Cool/Intact: **Yes**

Checked By: **MM**

Phone Result: Yes No

Fax Result: Yes No

REMARKS: **SEND TO bdeninowertal@gmail.com**

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #26

March 07, 2013

AUSTIN WEYANT
B D ENVIRONMENTAL
2709 SANDIGALE DRIVE
LAS CRUCES, NM 88001

RE: CORTEZ TRUCKING

Enclosed are the results of analyses for samples received by the laboratory on 03/01/13 14:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

Received:	03/01/2013	Sampling Date:	03/01/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	CORTEZ TRUCKING	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PA #1 (H300537-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

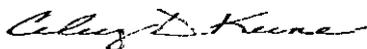
Surrogate: 1-Chlorooctane 80.4 % 65.2-110

Surrogate: 1-Chlorooctadecane 99.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

Received:	03/01/2013	Sampling Date:	03/01/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	CÓRTEZ TRUCKING	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PA #2 (H300537-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68		
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305		
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409		
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11		
Total BTEX	<0.300	0.300	03/07/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28		
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24		

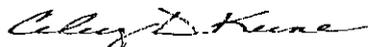
Surrogate: 1-Chlorooctane 84.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 B D ENVIRONMENTAL
 AUSTIN WEYANT
 2709 SANDIGALE DRIVE
 LAS CRUCES NM, 88001
 Fax To: NONE

Received:	03/01/2013	Sampling Date:	03/01/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	CORTEZ TRUCKING	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE #3 (H300537-03)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2013	ND	1.99	99.3	2.00	2.68	
Toluene*	<0.050	0.050	03/07/2013	ND	2.00	100	2.00	0.305	
Ethylbenzene*	<0.050	0.050	03/07/2013	ND	1.94	97.1	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/07/2013	ND	6.06	101	6.00	3.11	
Total BTEX	<0.300	0.300	03/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	03/05/2013	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	03/06/2013	ND	216	108	200	1.28	
DRO >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24	

Surrogate: 1-Chlorooctane 83.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

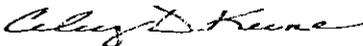
Notes and Definitions

- 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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

