



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pGRL1116055984

1RP - 2648

TARGA MIDSTREAM SERVICES LLC

2/10/2016

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Targa Midstream Services L.P.	Contact: Ralph England
Address: P.O. Box 1689, Lovington, NM 88260	Telephone No.: 575-396-3221
Facility Name: Saunders Plant	Facility Type: Gas Processing

Surface Owner: Eidson Ranch	Mineral Owner	Lease No.:
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LOCATION OF RELEASE

Unit Letter P	Section 27	Township 16S	Range 35E	Feet from the 114'	North/South Line SOUTH	Feet from the 136'	East/West Line EAST	County LEA
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Latitude: 32.886096

Longitude: -103.437356

NATURE OF RELEASE

Type of Release: Gas Release	Volume of Release: Unknown	Volume Recovered: 0
Source of Release: 8" steel pipeline	Date and Hour of Occurrence:	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Leaking 8" steel pipeline, external corrosion. Remedial action: pipeline was temporarily repaired, isolated and taken out of service. Work is currently in progress to permanently repair pipeline by inserting 6" poly line inside existing 8" steel pipeline. Permanent repair will be completed by 11-9-2010. Upon completion of pipeline repair, excavation will begin to clean leak site. Contaminated soil will be removed to an OCD approved landfarm, soil will be tested and new topsoil brought in to replace contaminated soil.

Describe Area Affected and Cleanup Action Taken.*

CLEAN UP ACTION: site was excavated and sampled by Targa and Whole Earth Environmental Inc., samples sent to Cardinal Labs in Hobbs. Field & lab results confirmed no further contamination. NMOCD approved closure.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: <i>Ralph England</i>	Approved by District Supervisor:	
Printed Name: Ralph England		
Title: Field Supervisor	Approval Date:	Expiration Date:
E-mail Address: REngland@targaresources.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>6/3/2011</u> Phone: (575) 396-3221		

* Attach Additional Sheets If Necessary

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with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Targa Midstream Services, L.P.	Contact: Ralph England
Address: P.O. Box 1689, Lovington, NM 88260	Telephone No.: (575) 396-3221
Facility Name: Saunders Plant	Facility Type: Gas Processing

Surface Owner: Eidson Ranch	Mineral Owner	Lease No.
-----------------------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	15/27	16S	35E					

SAUNDERS
PLANT
BREAK
IN
LINE

Latitude 32.89278 Longitude 103.44018

NATURE OF RELEASE

Type of Release: Gas release	Volume of Release: Unknown	Volume Recovered: 0
Source of Release: 8" steel pipeline	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Cause: Leaking 8" steel pipeline, external corrosion.

Remedial Action: Pipeline was temporarily repaired, isolated and taken out of service. Work is currently in progress to permanently repair pipeline by inserting 6" polyethylene pipe inside existing 8" steel pipeline. Permanent repair will be complete by 11/9/2010.

Describe Area Affected and Cleanup Action Taken.*

Upon completion of pipeline repair, excavation will begin to clean leak site. Contaminated soil will be removed to an OCD approved landfarm, soil will be tested and new topsoil brought in to replace contaminated soil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Ralph England</i>		OIL CONSERVATION DIVISION	
Printed Name: Ralph England		Approved by: ENV. ENGINEER: <i>Jeffrey L. King</i>	
Title: Field Supervisor		Approval Date: 11/10/10	Expiration Date: 01/10/11
E-mail Address: REngland@targaresources.com		Conditions of Approval: SUBMIT FINAL	
Date: 11/8/2010 Phone: (575) 396-3221		Attached <input type="checkbox"/> C-141 BY 01/10/11, IRP-11-10-2648	

* Attach Additional Sheets If Necessary



Whole Earth Environmental, Inc.

2103 Arbor Cove
Katy, Tx. 77494
281.394.2050
mikeg@vadose.us

June 14, 2011

NMOCD
1625 No. French Dr.
Hobbs, NM 88241

Attn: Geoffrey Leking

Reference: 1RP-2648 Targa Eidson Ranch LC-61 #1

Dear Mr. Leking:

Enclosed, please find a final copy of our remediation report for the Targa Midstream Services L.P. Eidson Ranch LC-61 #1 located in Lea County, New Mexico.

Thank you again for the opportunity of working with you on this project.

Warmest personal regards,

Mike Griffin
President
Whole Earth Environmental, Inc.



Executive Summary
Targa Eidson Ranch LC-61 #1
Remediation Project
1RP-2648

Location

The site is located approximately 6.37 miles southwest of the City of Lovington, Lea County, New Mexico on private land owned by the Eidson Ranch Estate and operated by Ranch Foreman Arzell Sellers. The primary land use is grazing of cattle however extensive oil and gas operations are prevalent in the area. The area is semi-arid with a net precipitation / evaporation amount of -73" per year. The legal description for the site is: SE/SE1/4 UL/P S27, T16S, R35E, GPS Lat & Lon WGS84(Decimal) N32.886096 / W103.47356. Depth to groundwater was confirmed at an active stock windmill with a pond located 1,378' south southeast of site. Water depth is 52.8' below ground surface.

History

Targa was approached by the Eidson Ranch Foreman on 4 historic release sites that needed to be cleaned up. Site #1 is located on an active 8" steel line which has been slip-lined with 6" poly pipe. Targa's policy being pro-environmental initiated the investigation and excavation of the sites. After the site was excavated to a reasonable size approx. 30'L x 30'W x 10'D, Whole Earth Environmental Inc. was contracted to finish delineation of the sites. All excavated material from the site was hauled off from the site using a dirt contractor hired by Targa (Watson Construction Co.). Material was hauled to the JAY-DAN Surface Waste Management Facility Permit # NM 1-045.

Delineation Activities

The spill was an old historic leak, with the surrounding area of the pipeline spill being barren and with little to no vegetation growth. Site was excavated and material excavated from site was sent to an approved NMOCD Disposal site Jay-Dan Surface Waste Management Facility Permit # NM 1-045. The total amount of material

excavated and sent to disposal for this site was approx. 360 cyds. After excavation of the spill site Whole Earth Environmental Inc. was contracted to assess the site for further delineation if needed. The site was initially sampled by Targa with samples being sent to Cardinal Labs in Hobbs for confirmation. Whole Earth Environmental Inc. re-sampled the site in accordance to NMOCD sampling procedure and sent the samples to the lab for confirmation. Lab results indicated no contamination and NMOCD was approached with the results. NMOCD indicated it was satisfied with the field and lab results and the site could be backfilled as needed and

Remediation

No remediation was required to be performed on this site. The site was backfilled with material from the Eidson Ranch caliche pit, walked down for compaction with the last top 1' being backfilled with topsoil also obtained from the Eidson ranch.



Exhibit Index

1. Initial C-141
2. Driving Directions Sat. View
3. Sat. View close up with excavation dimensions
4. NMOCD Assessment Ranking Criteria
5. Summary of Soil Sample Analysis
6. Photo View of North Wall Sample pt.
7. Photo View of Caliche backfill
8. Photo View of Caliche backfill prior to Topsoil
9. Photo View of Site Backfilled & Completed
10. Final C-141

Targa Eldson Ranch LC-61 #1
SE/SE1/4 UL/P SEC 27 - T16S - R35E
GPS LAT & LON NAD27 (DECIMAL)
N32.886096 / W103.437356

Driving directions: In Lovington @ Main St. and Ave D, turn West onto Ave D and go 4.13mi, turn Left on CR-100 (Gill Rd.) go 3.52mi, turn Right @ Tee In Rd., go 0.63mi, turn Left go 0.49mi, turn Right go continue West on lease rd. 0.16mi @ end of rd. continue West on R-O-W 0.03mi turn Right go 0.03mi to site on Left side of R-O-W.

TER LC-61 #1

Gallini

W. Payne Rd

Co Rd 100

Co Rd 100

Co Rd 100

Google
©2010

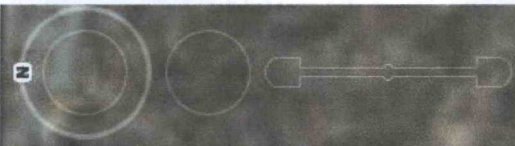
Eye alt 13633 ft

Image ©2011 DigitalGlobe
©2011 Google

lat 32.881836° lon -103.423052° elev 3963 ft

1996

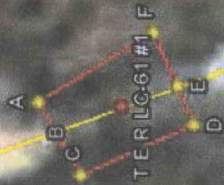
Imagery Date: 10/21/2002



Google

Eye alt 4472 ft

Targa Eidson Ranch LC-61 #1
SE/SE1/4 UL/P SEC 27 - T16S - R35E
GPS LAT & LON NAD27 (DECIMAL)
N32.886096 / W103.437356
Site dimensions
A > B 19'
B > C 11'
C > D 32'
D > E 9'
E > F 14'
Excavation depth approx. 10'D



©2010 Google
Image ©2010 DigitalGlobe

lat 32.886142° lon -103.437300° elev 3976 ft

143 ft

Imagery Date: Oct 22, 2002

SITE ASSESSMENT CRITERIA (NMOCD)

TARGA

EIDSON RANCH LC-61 #1

SE/SE1/4 UL/P SEC 27 - T16S - R35E

GPS LAT & LON NAD27 (DECIMAL) N32.886096 / W103.437356

DTW: 52.8'BGS WINDMILL 1365' SW OF SITE

DEPTH TO GROUND WATER

(Vertical distance from contaminants to seasonal high water elevation of ground water.)

Less than 50' BGS (20 points)

50' to 99' BGS (10 points)

Greater than 100' BGS (0 points)

20

WELLHEAD PROTECTION AREA

(Less than 200' from a private domestic water source, or; less than 1000' from all other water sources)

YES (20 points)

NO (0 points)

0

DISTANCE TO SURFACE WATER BODY

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals, and ditches)

Less than 200' (20 points)

200' to 1000' (10 points)

Greater than 1000' (0 points)

0

RANKING SCORE TOTAL POINTS

20

CLEAN - UP TARGET CONCENTRATIONS FOR "SITE CLOSURE"

IF RANKING SCORE IS:	> 19	10 - 19	0 - 9
BENZENE (ppm)*	10	10	10
BTEX (ppm)*	50	50	50
TPH (ppm)**	100	1000	5000

*A field vapor headspace measurement of 100 ppm may be substituted for a laboratory analysis.

** The contaminant concentration for TPH is the concentration above background levels.

Summary of Excavation Soil Sample Analytical Results

Targa Eidson Ranch LC-61 #1

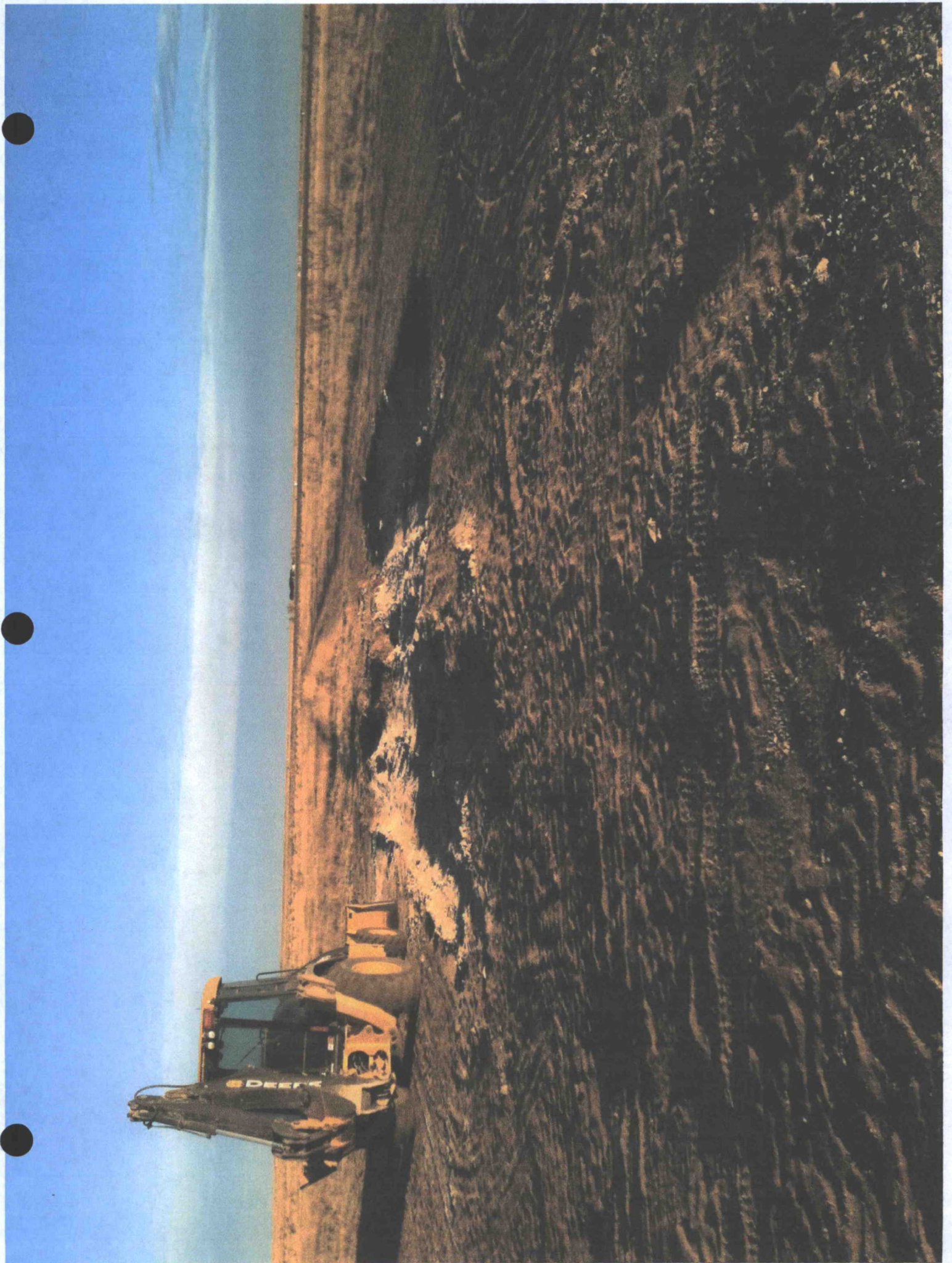
DEPTH TO GROUND WATER MEASURED AT WINDMILL S. OF #4 @ 52.8' BGS

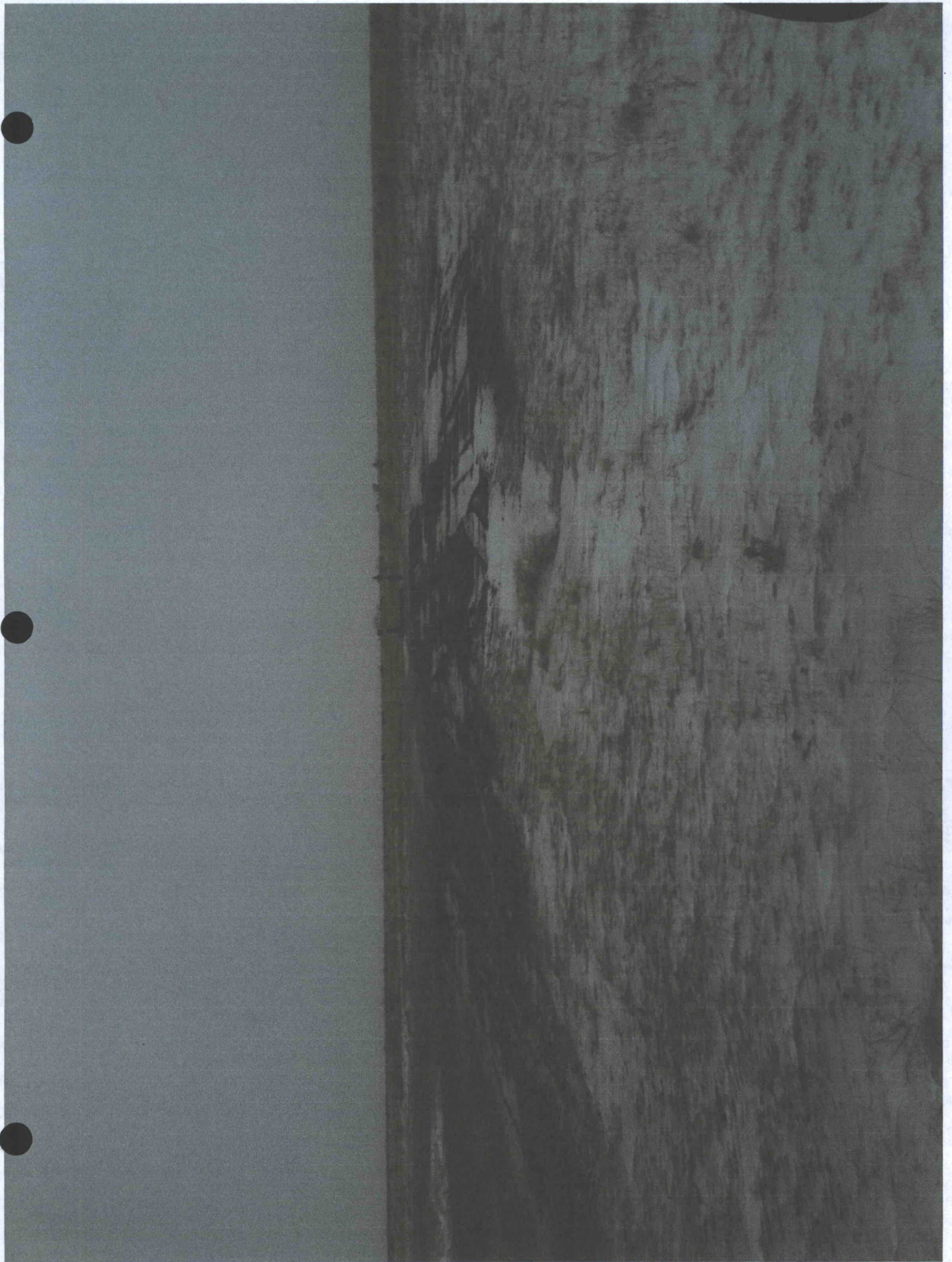
Soil Sample ID.	Depth (Feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride Analysis (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	Carbon Ranges (C6-C10) (mg/Kg)	Carbon Ranges (C10-C28) (mg/Kg)	Chloride (mg/Kg)
LC-61 #1	E. & W wall H021346-01,02	11/19/10	insitu, grab			<0.100	<0.100	<0.100	<0.300	<10.0	24.2	
						<0.100	<0.100	<0.100	<0.300	<10.0	<10.0	
LC-61 #1	N. wall H100029-01	1/5/11	insitu grab hand auger			<0.100	<0.100	<0.100	<0.300	<10.0	<10.0	
	S. wall H100029-02					<0.100	<0.100	<0.100	<0.300	<10.0	<10.0	
	Bottom H100029-03					<0.100	0.560	0.402	7.12	<50.0	<50.0	<16.0

VIEW OF NORTH WALL SAMPLE PT.











November 29, 2010

RALPH ENGLAND

TARGA MIDSTREAM - LOVINGTON

P. O. BOX 1689

LOVINGTON, NM 88260

RE: EIDSON RANCH

Enclosed are the results of analyses for samples received by the laboratory on 11/19/10 12:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

TARGA MIDSTREAM - LOVINGTON
RALPH ENGLAND
P. O. BOX 1689
LOVINGTON NM, 88260
Fax To: (575) 396-7702

Received: 11/19/2010
Reported: 11/29/2010
Project Name: EIDSON RANCH
Project Number: NONE GIVEN
Project Location: LEA CO., LC-61

Sampling Date: 11/19/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: #1 EAST (H021346-01)
BTEX 8260B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	1.13	
Toluene*	<0.100	0.100	11/25/2010	ND	2.15	108	2.00	0.572	
Ethylbenzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	0.832	
Total Xylenes*	<0.300	0.300	11/25/2010	ND	7.00	117	6.00	0.643	

Surrogate: Dibromofluoromethane 89.0 % 80-120

Surrogate: Toluene-d8 90.9 % 80-120

Surrogate: 4-Bromofluorobenzene 92.4 % 80-120

TPH 8015M

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2010	ND	204	102	200	15.6	
DRO >C10-C28	24.2	10.0	11/25/2010	ND	201	100	200	8.12	

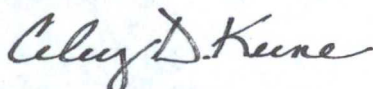
Surrogate: 1-Chlorooctane 87.3 % 70-130

Surrogate: 1-Chlorooctadecane 84.4 % 70-130

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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TARGA MIDSTREAM - LOVINGTON
RALPH ENGLAND
P. O. BOX 1689
LOVINGTON NM, 88260
Fax To: (575) 396-7702

Received: 11/19/2010
Reported: 11/29/2010
Project Name: EIDSON RANCH
Project Number: NONE GIVEN
Project Location: LEA CO., LC-61

Sampling Date: 11/19/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: #1 WEST (H021346-02)

BTX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	1.13	
Toluene*	<0.100	0.100	11/25/2010	ND	2.15	108	2.00	0.572	
Ethylbenzene*	<0.100	0.100	11/25/2010	ND	2.28	114	2.00	0.832	
Total Xylenes*	<0.300	0.300	11/25/2010	ND	7.00	117	6.00	0.643	

Surrogate: Dibromofluoromethane 90.9 % 80-120

Surrogate: Toluene-d8 91.0 % 80-120

Surrogate: 4-Bromofluorobenzene 94.3 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2010	ND	204	102	200	15.6	
DRO >C10-C28	<10.0	10.0	11/25/2010	ND	201	100	200	8.12	

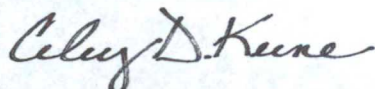
Surrogate: 1-Chlorooctane 74.6 % 70-130

Surrogate: 1-Chlorooctadecane 73.9 % 70-130

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.



Celey D. Keene, Lab Director/Quality Manager

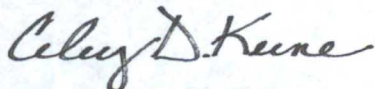
Notes and Definitions

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

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.



Celey D. Keene, Lab Director/Quality Manager



(575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

January 04, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61

Enclosed are the results of analyses for samples received by the laboratory on 12/29/10 16:18.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

 WHOLE EARTH ENVIRONMENTAL, INC.
 ROY R. RASCON
 2103 ARBOR COVE
 KATY TX, 77494
 Fax To: (281) 394-2051

 Received: 12/29/2010
 Reported: 01/04/2011
 Project Name: T E R LC-61
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NM

 Sampling Date: 12/29/2010
 Sampling Type: Water
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WINDMILL EIDSON (H021621-01)
BTEX 8021B
mg/L
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	12/30/2010	ND	0.050	101	0.0500	1.73	
Toluene*	<0.001	0.001	12/30/2010	ND	0.049	98.1	0.0500	1.38	
Ethylbenzene*	<0.001	0.001	12/30/2010	ND	0.049	97.8	0.0500	0.494	
Total Xylenes*	<0.003	0.003	12/30/2010	ND	0.143	95.5	0.150	1.60	

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 80-120

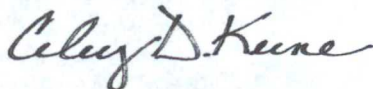
Chloride, SM4500Cl-B
mg/L
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36.0	4.00	12/30/2010	ND	108	108	100	0.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

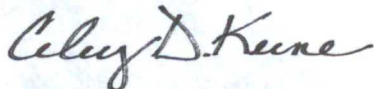
Notes and Definitions

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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

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(325) 673-7001 FAX (325) 673-7020 (505) 393-2326 FAX (505) 393-2476

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26

January 12, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 8:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

 WHOLE EARTH ENVIRONMENTAL, INC.
 ROY R. RASCON
 2103 ARBOR COVE
 KATY TX, 77494
 Fax To: (281) 394-2051

 Received: 01/06/2011
 Reported: 01/12/2011
 Project Name: T E R LC-61
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NM

 Sampling Date: 01/05/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NORTH WALL (H100029-01)

BTX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/11/2011	ND	1.97	98.5	2.00	4.07	
Toluene*	<0.100	0.100	01/11/2011	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	2.11	105	2.00	2.72	
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.70	95.0	6.00	0.860	

Surrogate: Dibromofluoromethane 114 % 80-120

Surrogate: Toluene-d8 114 % 80-120

Surrogate: 4-Bromofluorobenzene 102 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.93	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	232	92.8	250	6.25	

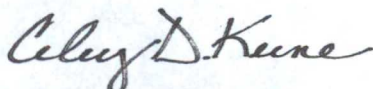
Surrogate: 1-Chlorooctane 83.1 % 70-130

Surrogate: 1-Chlorooctadecane 88.5 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 WHOLE EARTH ENVIRONMENTAL, INC.
 ROY R. RASCON
 2103 ARBOR COVE
 KATY TX, 77494
 Fax To: (281) 394-2051

 Received: 01/06/2011
 Reported: 01/12/2011
 Project Name: T E R LC-61
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NM

 Sampling Date: 01/05/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SOUTH WALL (H100029-02)
BTEX 8260B
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/11/2011	ND	1.97	98.5	2.00	4.07	
Toluene*	<0.100	0.100	01/11/2011	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	2.11	105	2.00	2.72	
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.70	95.0	6.00	0.860	

Surrogate: Dibromofluoromethane 111 % 80-120

Surrogate: Toluene-d8 109 % 80-120

Surrogate: 4-Bromofluorobenzene 104 % 80-120

TPH 8015M
mg/kg
Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.93	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	232	92.8	250	6.25	

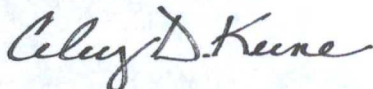
Surrogate: 1-Chlorooctane 77.3 % 70-130

Surrogate: 1-Chlorooctadecane 77.8 % 70-130

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

WHOLE EARTH ENVIRONMENTAL, INC.
ROY R. RASCON
2103 ARBOR COVE
KATY TX, 77494
Fax To: (281) 394-2051

Received: 01/06/2011
Reported: 01/12/2011
Project Name: T E R LC-61
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 01/05/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BOTTOM @ 11' BGS (H100029-03)
BTEX 8260B
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/11/2011	ND	1.97	98.5	2.00	4.07	
Toluene*	0.560	0.100	01/11/2011	ND	2.16	108	2.00	0.696	
Ethylbenzene*	0.402	0.100	01/11/2011	ND	2.11	105	2.00	2.72	
Total Xylenes*	7.12	0.300	01/11/2011	ND	5.70	95.0	6.00	0.860	

Surrogate: Dibromofluoromethane 111 % 80-120

Surrogate: Toluene-d8 144 % 80-120

Surrogate: 4-Bromofluorobenzene 138 % 80-120

Chloride, SM4500Cl-B
mg/kg
Analyzed By: LR

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M
mg/kg
Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/11/2011	ND	250	100	250	4.93	
DRO >C10-C28	<50.0	50.0	01/11/2011	ND	232	92.8	250	6.25	

Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 110 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

Z-01	Surrogates failed QC limits (high) due to objective matrix interference.
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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Celey D. Keene, Lab Director/Quality Manager

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REMARKS: PLEASE E-MAIL TO: royr , mikeg,
elliottw, & mcgriffin@vadose.us