



AE Order Number Banner

Report Description

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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.:

LOCATION OF RELEASE

Unit Letter P	Section 27	Township 16S	Range 35E	Feet from the 1264'	North/South Line SOUTH	Feet from the 554'	East/West Line EAST	County LEA
------------------	---------------	-----------------	--------------	------------------------	---------------------------	-----------------------	------------------------	---------------

Latitude: 32.889278

Longitude: -103.438715

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 & sampled, lab results indicate contamination. Site cleaned up in accordance to NMOCD approved WEE Inc. protocol (PR-143 attached to closure report), with bentonite liner installed at 10'bgs.

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:

Ralph England

Printed Name: Ralph England

Approved by District Supervisor:

Title: Field Supervisor

Approval Date:

Expiration Date:

E-mail Address: REngland@targaresources.com

Conditions of Approval:

Attached ☐

Date: 6-16-11

Phone: (575) 396-3221

* Attach Additional Sheets If Necessary

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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

NEARBY MAUD SAUNDERS #004
API # 30-025-0195-00-00

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> District Supervisor:	
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 16, 2011

NMOCD
1625 No. French Dr.
Hobbs, NM 88241

Attn: Geoffrey Leking

Reference: 1RP-2648 Targa Eidson Ranch LC-61 #2

Dear Mr. Leking:

Enclosed, please find a final copy of our remediation report for the Targa Midstream Services L.P. Eidson Ranch LC-61 #2 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 #2
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 #2 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 820 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 contamination on the bottom center of the excavation with results above the well above NMICD regs. NMOCD was approached with the results, and it was decided that by NMOCD that the site needed further investigation both vertically and laterally. Due to the constraints of the excavation it was agreed by NMOCD to allow Targa to install a geo-synthetic bentonite liner, backfill the excavation to within 1' of ground level, and the remainder of the excavation with topsoil. All backfill material was obtained from the Eidson Ranch Estate caliche pit. The site was completely backfilled with the center bottom sample pt. ided. Five (5) bores were advanced within the boundaries of the excavation; various samples were pulled and sent to Cardinal Labs in Hobbs for confirmation analyses. Upon receiving the lab results NMOCD was approached requesting closure of the site. NMOCD review the lab results and agreed that the site could be closed, with the exception that all bore holes be plugged properly, and that all bore casings be removed. All work to be done prior to turning in closure report.

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. Bore Schematic Top view
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8. Photo View of Bentonite liner installed
9. Photo View of Bentonite liner covered w/pad dirt
10. Photo View of Sampling Method Using Air Rig
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12. Photo View of Bentonite Inside Casing Prior to Pulling
13. Photo View of Casing Being Pulled
14. Photo View of Bore Plugged and Hydrating
15. Final C-141

TARGA EIDSON RANCH LC-61 #2
SE/SE1/4 UL/P SEC 27 - T16S - R35E
GPS LAT & LON WGS84 (DECIMAL)
N32.889278 / W103.438715
DRIVING DIRECTIONS: In Lovington @ Main St. and Ave D turn W. onto Ave D,
go 4.13mi, turn L. onto CR-100 (Gill Rd.) go 3.52mi, @ T turn R, go 0.63mi, turn
L. go 0.49mi, turn R. go to curve in road, continue w/ to R-O-W, turn R. go go
0.23mi to site on L. side of R-O-W

TER LC-61 #2

Image © 2011 DigitalGlobe
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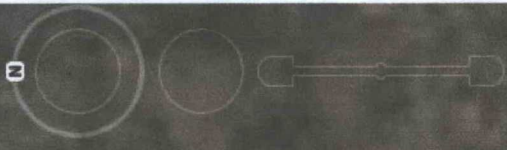
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©2010

Imagery Date: 10/21/2002

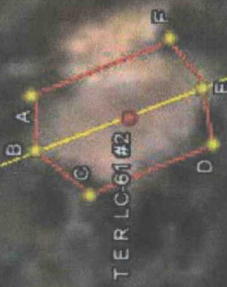
1996

lat 32.894312° lon -103.424425° elev 3964 ft

Eye alt 15198 ft



Targa Eidson Ranch LC-61 #2
SE/SE1/4 UL/P SEC 27 - T16S - R35E
GPS LAT & LON NAD27
(DECIMAL) N32.889278 / W103.438715
Site dimensions
A>B 18'
B>C 20'
C>D 32'
D>E 21'
E>F 16'
F>A 32'
Excavation depth approx. 10'D



© 2010 Google
Image © 2010 DigitalGlobe

SITE ASSESSMENT CRITERIA (NMOCD)

TARGA

EIDSON RANCH LC-61 #2

SE/SE1/4 SEC 27 - T16S - R35E

GPS LAT & LON NAD27 N32.889278 / W103.438715

DTW: 52.8'BGS WINDMILL 2458' 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.

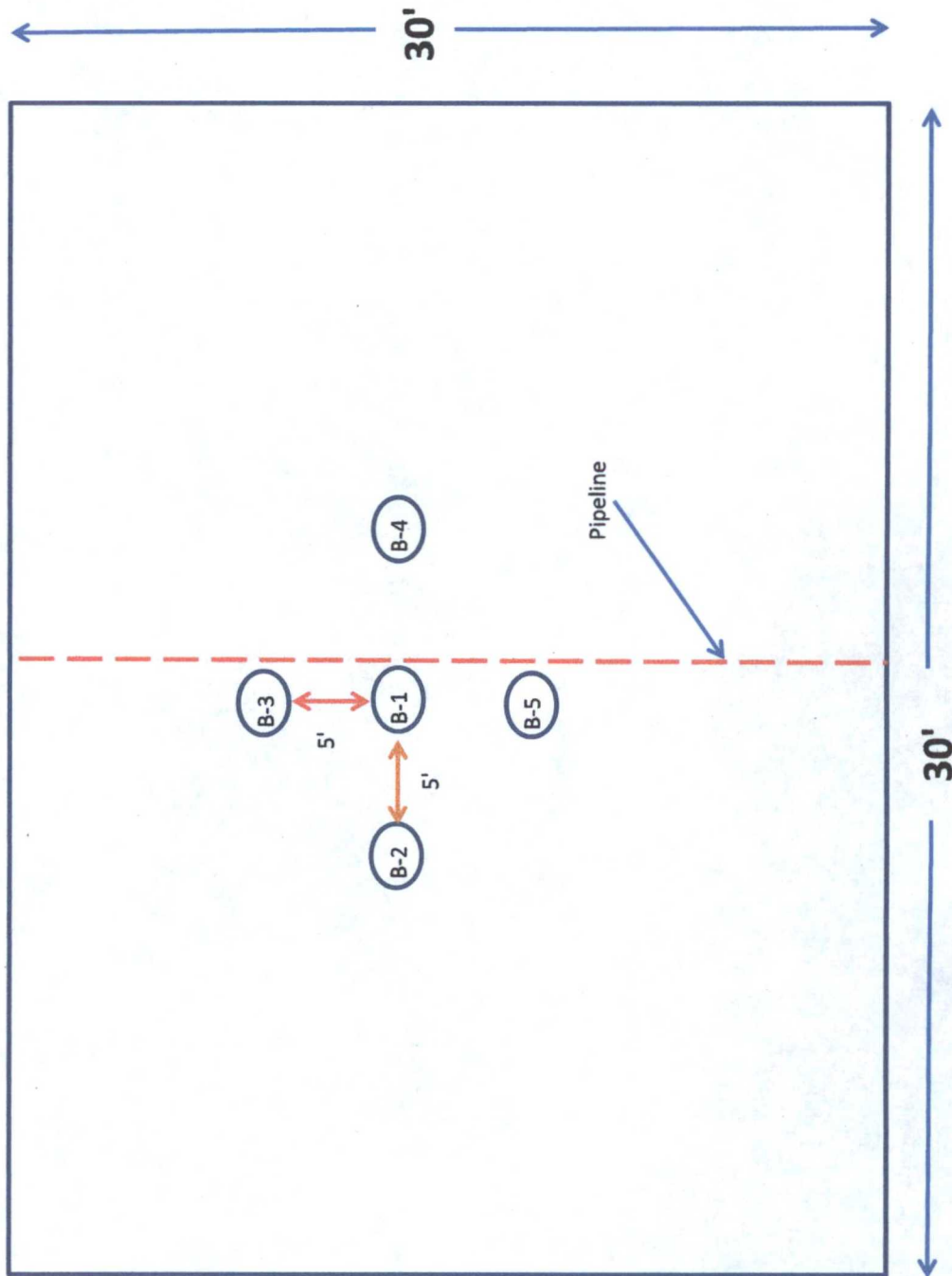


Targa Eidson Ranch LC-61 #2 Delineation Project
Analytical Summary

TER LC-61 # 2											
Bore No. or Sample Pt.	Depth ft.	Sample Date	Lab. ID	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylene mg/kg	GRO mg/kg	DRO mg/kg	TPH 418.1 mg/kg	Chlorides mg/kg
E. Wall	30' x30' x 10'	11/19/10	H021346-03	<0.100	<0.100	<0.100	<0.300	<10.0	<10.0		
W. Wall	30' x30' x 10'		H021346-04	<0.100	<0.100	<0.100	<0.300	<10.0	<10.0		
N. Wall	30' x30' x 10'	01/04/11	H100009-01	<0.100	<0.100	<0.100	<0.300	<10.0	<10.0		
S. Wall	30' x30' x 10'		H100009-02	<0.100	<0.100	<0.100	<0.300	<10.0	<10.0		
Bottom @ 11'bgs	30' x30' x 10'		H100009-03	22.9	146.0	80.7	163.0	5390	8940.0		<16.0
B-1	15'	03/15/11	H100500-1	3.4	41.9	34.1	99.6	3570	1300	10700.0	16.0
	20'		H100500-1	<2.0	14.0	9.8	27.1	677	210	7171.0	48.0
	25-30'	05/11/11	H100949-1					602	<10.0		
	30-35'		H100949-1					19.9	<10.0		
B-2	10-15'	05/13/11	H100967-1					1320	109.0		
	20-25'		H100967-1					191	<10.0		
	10-15'	05/13/11	H101000-1					1780	31.2		
20-25'	H101000-2						737.0	12.0			
25-30'	H101000-3						175	11.0			
B-4	10-15'	05/12/11	H100999-1					216	24.4		
	25-30'		H100999-2	<.05	<.05	0.063	0.191	170	11.9		
	10-15'	05/13/11	H101001-1					913	23.8		
20-25'	H101001-2						98.4	11.9			
25-30'	H101001-3	<.05	<.05	<.05	<.15	59.1	11.4				



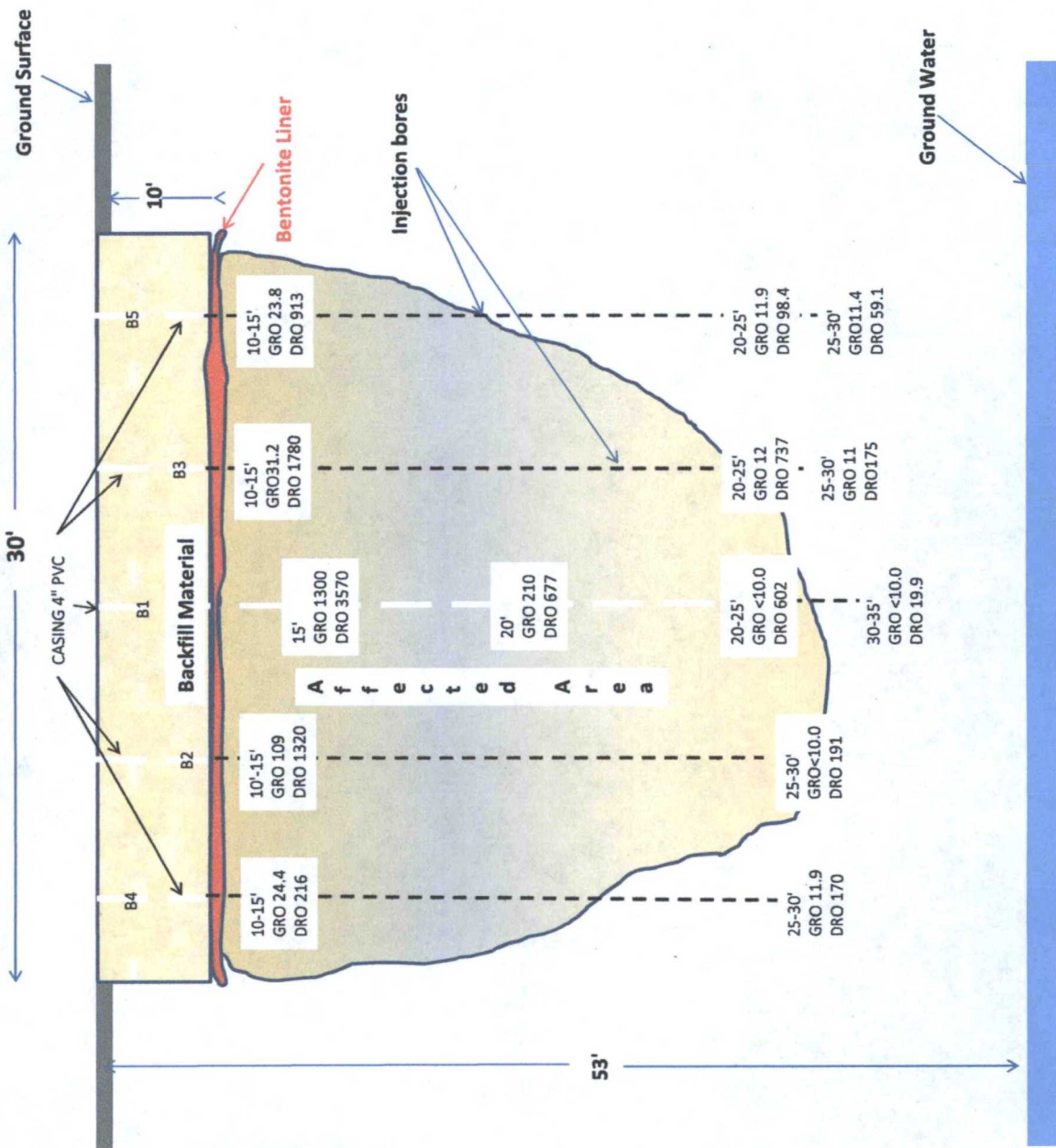
Targa Eidson Project
TER LC-61 #2
Bore Schematic





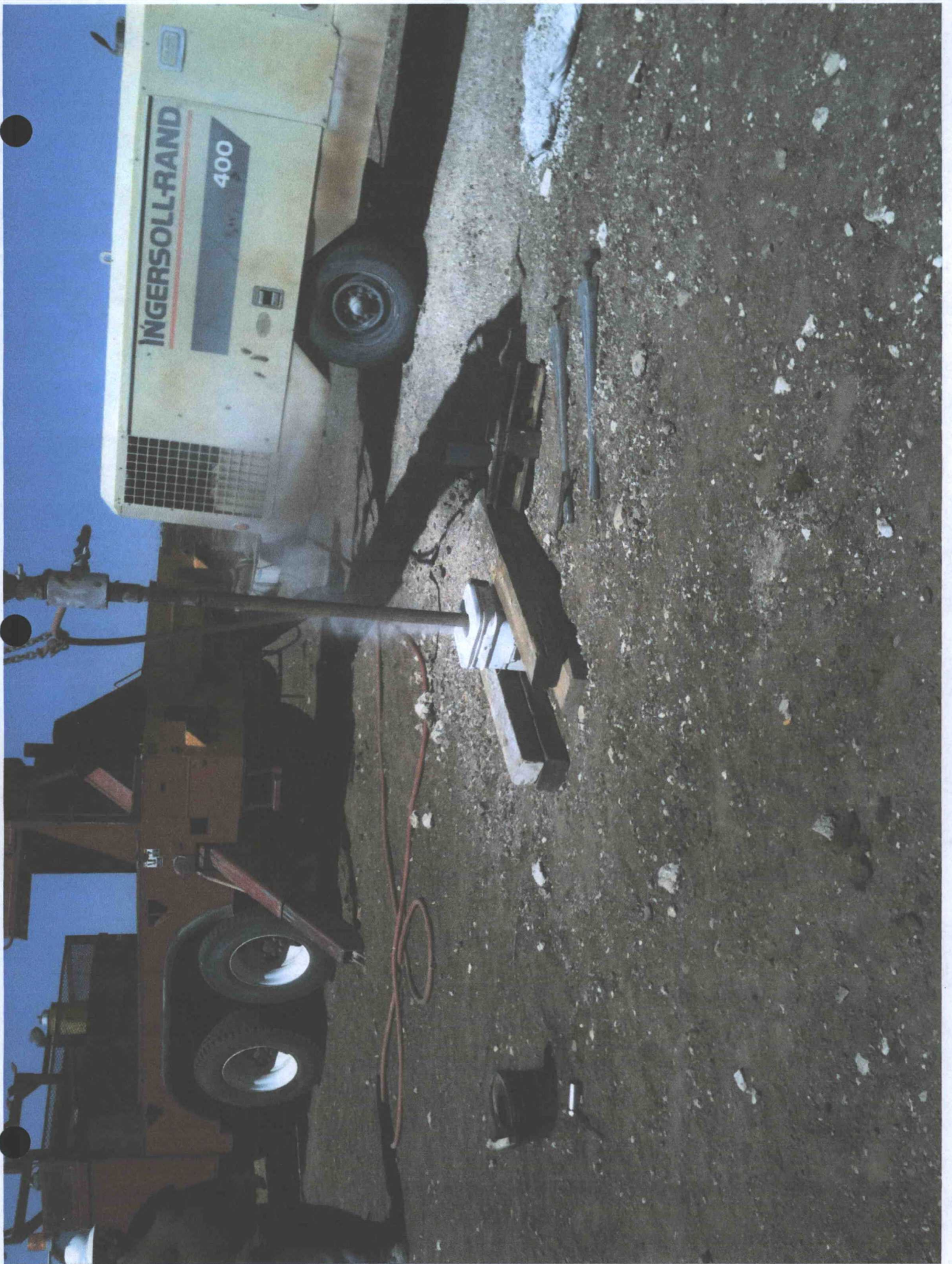
Targa Eidson Project TER LC-61 #2

Remediation Schematic















TEXAS
TRAILER
893-27F





**Remediation and Site Restoration Protocol
Targa Resources LLC. Eidson Ranch LC-61 #1, 2*, 3, & 4
1RP-11-10-2648**

1.0 Purpose

This protocol is to provide a detailed outline of the steps to be employed in the remediation of historic hydrocarbon affected area in Lea County, New Mexico.

2.0 Scope

This protocol is site specific for the above project.

3.0 Preliminary

Prior to any field operations, Whole Earth Environmental shall conduct the following activities:

3.1 Client Review

3.1.1 Whole Earth shall meet with appointed personnel within Targa Resources LLC to review this protocol and make any requested modifications or alterations.

3.1.2 Changes to this protocol will be documented and submitted for final review by Targa Resources LLC prior to the initiation of actual fieldwork.

3.1.3 Upon client approval, this protocol and supporting documentation will be submitted to the Hobbs district office of the NMOCD for approval.

4.0 Safety

4.1 Prior to work on the site, Whole Earth shall obtain the location and phone numbers of the nearest emergency medical treatment facility. We will review all safety related issues with the appropriate Melrose personnel, sub-contractors and exchange phone numbers.

4.2 A tailgate safety meeting shall be held and documented each day. All sub-contractors must attend and sign the daily log-in sheet.

Jeffrey Laking
Env. Engineer
NMOCD-Hobbs
01/18/11

- 4.3 Anyone allowed on to location must be wearing FR Clothing, steel toed boots. Each vehicle must be equipped with two way communication capabilities.
-

5.0 Remediation Procedure

- 5.1 The areas are presently excavated to the approximate dimensions of 50'L x 50'W x 10'D with the exception of #4 at a depth of 15'. Sampling of all side walls and bottom were performed in accordance with WEQP-77 BTEX, TPH and chlorides. All side walls and bottoms were found to have BTEX, TPH and Chlorides in acceptable concentrations, with the exception of site #2 bottom, which had concentrations levels in excess of the NMOCD standards for BTEX and TPH.
- 5.2 All sites will be backfilled using clean soil from the Eidson Ranch caliche pit, and the top 1' will be backfilled with clean topsoil and contoured to match the existing surrounding topography. Site #2* will be backfilled with the supervision of Whole Earth Environmental Inc. Project Manager. All corners of the excavation will be marked along with the bottom sample pt. this will be done so a delineating bore can be place in the site of the sample pt. and will be drilled until NMOCD standards are met. Once depth is known additional bores will be advanced to the same depth in preparation for microbial treatment.
- 5.3 Slotted PVC casing will be installed at each test/treatment hole at depths and distances required to achieve full penetration within the affected area. The microbial treatment will consist of Environoc 101, water, and fertilizer. The slotted casing will remain in place until subsequent testing of the affected area achieves NMOCD acceptance parameters. The affected area will be fenced off to prevent any livestock in the area from entering the site.
- 5.4 After treatment, the affected area will be bored to the zone of interest and tested for the presence and concentrations of TPH & BTEX only. Once achieved, the test/treatment bores will have the slotted PVC casings removed and all bores will be grouted from bottom to surface with 3/8 bentonite well bore plug.

6.0 Site Restoration Procedure

- 6.1 All sites will be covered, and re-contoured to replicate background elevations, in clean fresh topsoil (top 1'), disked or tilled and seeded using an approved seed mixture by the Eidson Ranch foreman. Site #2 will be seeded at the time of termination when NMOCD standards are achieved within the treatment area.

7.0 Closure Report

At the conclusion of the project, Whole Earth shall prepare a closure report which contains the following minimum information:

- Photographs of the location prior to remediation
- Photographs of all excavations at the point of maximum soil removal
- Photographs of the location at time of final closure
- All pre-closure contaminant concentrations
- Copies of this protocol and all testing procedures
- A list of all materials amount per site sent to commercial disposal
- Tags from the Eidson Ranch foreman approved seed mixture bags
- MSDS sheets of all amendments used on the project.

NOTES: 1-18-11 after conference call with Cal W., Ralph E., Tim J. Jordan (Targa), Mike Griffin, & Roy R. Rascon, a decision was made to approach Geoffrey Leking NMOCD about installing a bentonite liner into Site #2 in case ground water was impacted. After conference call I contacted and met with Geoffrey Leking and he agreed that the liner would be a good idea, and approved the liner installation since he had already approved the protocol I mentioned to him that I would not revise it, but would only insert the note at the end of the protocol which he approved of.



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: #2 EAST (H021346-03)

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	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 87.6 % 80-120

Surrogate: Toluene-d8 90.3 % 80-120

Surrogate: 4-Bromofluorobenzene 97.7 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB						S-04
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 53.8 % 70-130

Surrogate: 1-Chlorooctadecane 57.5 % 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: #2 WEST (H021346-04)
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 95.2 % 80-120

Surrogate: Toluene-d8 92.6 % 80-120

Surrogate: 4-Bromofluorobenzene 95.4 % 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	<10.0	10.0	11/25/2010	ND	201	100	200	8.12	

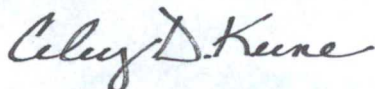
Surrogate: 1-Chlorooctane 84.5 % 70-130

Surrogate: 1-Chlorooctadecane 84.8 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

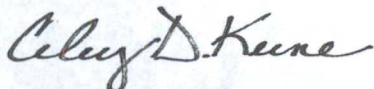
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Targa - Saunders Plant		P.O. #:		ANALYSIS REQUEST																
Project Manager:		Company:																		
Address: P.O. Box 1069		Attn:																		
City: Lovington State: NM Zip: 88260		Address:																		
Phone #: 396-3221 Fax #:		City:																		
Project #:		State:																		
Project Name: Edison Ranch Cleanup		Zip:																		
Project Location: Lea Co. LC-61		Phone #:																		
Sample Name: Alfredo Corral		Fax #:																		
FOR LAB USE ONLY		MATRIX		PRESERV. SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX * Added as per Pkg 11/23/90				
H21346-1	#1 East		1										11/19/90	14500						
2	#1 West		1																	
3	#2 East		1																	
4	#2 West		1																	
5	#3 East		1																	
6	#3 West		1																	

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Relinquished By: Alfredo Corral Date: 11/19/90 Time: 12:00 Received By: Don Embury

Relinquished By: Alfredo Corral Date: 11/19/90 Time: 12:00 Received By: Don Embury

Delivered By: (Circle One) UPS 49c Sample Condition: Intact Checked By: Don Embury

Sampler - UPS - Bus - Other: 49c Intact Yes No Yes No

REMARKS: Don Embury
dembury@targaresources.com
c.kline@targaresources.com
renland@targaresources.com

† 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.

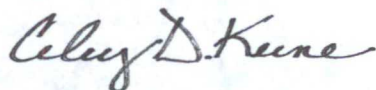
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

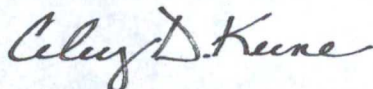
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(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 10, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61 #2

Enclosed are the results of analyses for samples received by the laboratory on 01/05/11 8:40.

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: 01/05/2011
 Reported: 01/10/2011
 Project Name: T E R LC-61 #2
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NEW MEXICO

 Sampling Date: 01/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NORTH WALL (H100009-01)

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	01/08/2011	ND	1.87	93.7	2.00	1.13	
Toluene*	<0.100	0.100	01/08/2011	ND	1.89	94.6	2.00	0.641	
Ethylbenzene*	<0.100	0.100	01/08/2011	ND	1.92	95.8	2.00	0.369	
Total Xylenes*	<0.300	0.300	01/08/2011	ND	5.45	90.8	6.00	1.33	

Surrogate: Dibromofluoromethane 112 % 80-120

Surrogate: Toluene-d8 104 % 80-120

Surrogate: 4-Bromofluorobenzene 101 % 80-120

TPH 8015M		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2011	ND	173	83.2	208	1.67	
DRO >C10-C28	<10.0	10.0	01/07/2011	ND	163	78.6	208	0.680	

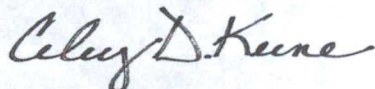
Surrogate: 1-Chlorooctane 85.9 % 70-130

Surrogate: 1-Chlorooctadecane 97.0 % 70-130

Cardinal Laboratories

* = 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: 01/05/2011
 Reported: 01/10/2011
 Project Name: T E R LC-61 #2
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NEW MEXICO

 Sampling Date: 01/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SOUTH WALL (H100009-02)

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	01/07/2011	ND	2.06	103	2.00	1.89	
Toluene*	<0.100	0.100	01/07/2011	ND	2.12	106	2.00	0.0582	
Ethylbenzene*	<0.100	0.100	01/07/2011	ND	2.20	110	2.00	4.83	
Total Xylenes*	<0.300	0.300	01/07/2011	ND	6.45	108	6.00	4.82	

Surrogate: Dibromofluoromethane 112 % 80-120

Surrogate: Toluene-d8 101 % 80-120

Surrogate: 4-Bromofluorobenzene 104 % 80-120

TPH 8015M		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2011	ND	173	83.2	208	1.67	
DRO >C10-C28	<10.0	10.0	01/07/2011	ND	163	78.6	208	0.680	

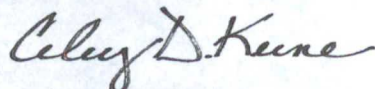
Surrogate: 1-Chlorooctane 79.9 % 70-130

Surrogate: 1-Chlorooctadecane 90.1 % 70-130

Cardinal Laboratories

* = 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: 01/05/2011
Reported: 01/10/2011
Project Name: T E R LC-61 #2
Project Number: NONE GIVEN
Project Location: LOVINGTON, NEW MEXICO

Sampling Date: 01/04/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BOTTOM @ 11' BGS (H100009-03)
BTEX 8260B
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	22.9	5.00	01/08/2011	ND	1.87	93.7	2.00	1.13	
Toluene*	146	5.00	01/08/2011	ND	1.89	94.6	2.00	0.641	
Ethylbenzene*	80.7	5.00	01/08/2011	ND	1.92	95.8	2.00	0.369	
Total Xylenes*	163	15.0	01/08/2011	ND	5.45	90.8	6.00	1.33	

Surrogate: Dibromofluoromethane 118 % 80-120

Surrogate: Toluene-d8 112 % 80-120

Surrogate: 4-Bromofluorobenzene 112 % 80-120

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/05/2011	ND	448	112	400	3.64	

TPH 8015M
mg/kg
Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5390	50.0	01/07/2011	ND	193	92.8	208	14.5	
DRO >C10-C28	8940	50.0	01/07/2011	ND	177	85.4	208	4.19	

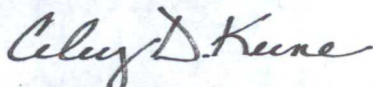
Surrogate: 1-Chlorooctane 124 % 70-130

Surrogate: 1-Chlorooctadecane 119 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

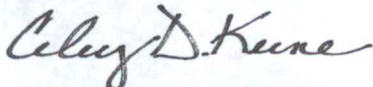
Notes and Definitions

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

May 10, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: TARGA E. R. LC - 61 BORE #1

Enclosed are the results of analyses for samples received by the laboratory on 03/15/11 14:06.

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: 03/15/2011
Reported: 05/10/2011
Project Name: TARGA E. R. LC - 61 BORE #1
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 03/15/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: T.E.R.L.C. - 61 #2 15' (H100500-01)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.37	2.00	03/16/2011	ND	2.03	102	2.00	10.0	
Toluene*	41.9	2.00	03/16/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	34.1	2.00	03/16/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	99.6	6.00	03/16/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 83.5 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/15/2011	ND	400	100	400	0.00	
TPH 418.1		mg/kg		Analyzed By: AB					

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	10700	500	03/16/2011	ND	1170	98.3	1190	3.36	
TPH 8015M		mg/kg		Analyzed By: CK/					

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1300	10.0	03/15/2011	ND	181	90.5	200	2.54		
DRO >C10-C28	3570	10.0	03/15/2011	ND	193	96.7	200	2.06		


Surrogate: 1-Chlorooctane 116 % 70-130

Surrogate: 1-Chlorooctadecane 101 % 70-130

Cardinal Laboratories

* = 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: 03/15/2011
Reported: 05/10/2011
Project Name: TARGA E. R. LC - 61 BORE #1
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 03/15/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: T.E.R.L.C. - 61 #2 20' (H100500-02)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/16/2011	ND	2.03	102	2.00	10.0	
Toluene*	14.0	2.00	03/16/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	9.79	2.00	03/16/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	27.1	6.00	03/16/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 89.2 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/15/2011	ND	400	100	400	0.00	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	7170	500	03/16/2011	ND	1170	98.3	1190	3.36	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	210	10.0	03/15/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	677	10.0	03/15/2011	ND	193	96.7	200	2.06	

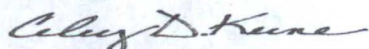
Surrogate: 1-Chlorooctane 111 % 70-130

Surrogate: 1-Chlorooctadecane 110 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

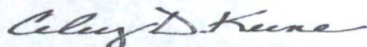
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

[illegible]

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[illegible]

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

May 13, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: TARGA EIDSON RANCH LC-61 #2

Enclosed are the results of analyses for samples received by the laboratory on 05/11/11 12:30.

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: 05/11/2011
Reported: 05/13/2011
Project Name: TARGA EIDSON RANCH LC-61 #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/11/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Celey D. Keene

Sample ID: B1 @ 25'>30' BGS (H100949-01)

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	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	602	10.0	05/12/2011	ND	156	77.9	200	1.45	
Surrogate: 1-Chlorooctane	94.6 %	70-130							
Surrogate: 1-Chlorooctadecane	86.6 %	70-130							

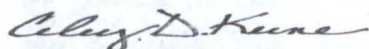
Sample ID: B1 @ 30'>35' BGS (H100949-02)

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	05/12/2011	ND	170	85.0	200	1.60	
DRO >C10-C28	19.9	10.0	05/12/2011	ND	156	77.9	200	1.45	
Surrogate: 1-Chlorooctane	90.6 %	70-130							
Surrogate: 1-Chlorooctadecane	79.6 %	70-130							

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

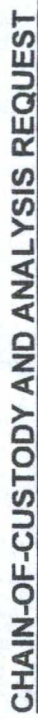
Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

[illegible]

Relinquished By:		Date:	Received By:	Checked By:
<i>[Signature]</i>	5-11-11	<i>[Signature]</i>	(Initials)	
Relinquished By:	Time:	Received By:	Sample Condition	Cool Intact
	1730		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Date:			
	Time:			
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		
<i>[Signature]</i>		1750		
		Rush Email to All Plastic bags		
		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____		
		REMARKS: 713-960-6076		

Page 4 of 4

May 13, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61 #2 B2

Enclosed are the results of analyses for samples received by the laboratory on 05/12/11 8:42.

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: 05/12/2011
 Reported: 05/13/2011
 Project Name: T E R LC-61 #2 B2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/11/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 10' > 15' COMP (H100967-01)

TPH 8015M	mg/kg	Analyzed By: AB							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	109	10.0	05/13/2011	ND	178	88.9	200	1.92	
DRO >C10-C28	1320	10.0	05/13/2011	ND	163	81.6	200	2.35	

Surrogate: 1-Chlorooctane 107 % 70-130

Surrogate: 1-Chlorooctadecane 95.5 % 70-130

Sample ID: 25' > 30' COMP (H100967-04)

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	05/13/2011	ND	178	88.9	200	1.92	
DRO >C10-C28	191	10.0	05/13/2011	ND	163	81.6	200	2.35	

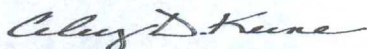
Surrogate: 1-Chlorooctane 98.9 % 70-130

Surrogate: 1-Chlorooctadecane 88.7 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

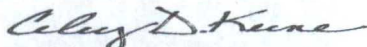
Notes and Definitions

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

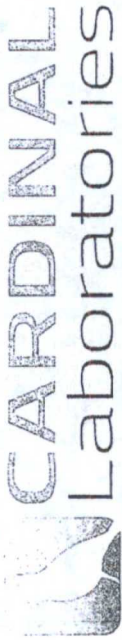
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>W.E.E. INC</u>		P.O. #:		BILL TO												ANALYSIS REQUEST											
Project Manager: <u>Roy R. Rascon</u>		Company:																									
Address:		Attn:																									
City:		Address:																									
Phone #:		City:																									
Project #:		State:																									
Project Name: <u>Fertig & T.E.R. LC-61 #2 BZ</u>		Zip:																									
Project Location:		Phone #:																									
Sampler Name: <u>Roy R. Rascon</u>		Fax #:																									
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING		DATE		TIME																	
Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER																		
1	10' > 15' Comp	X					X					5-11-11	231	X													
2	15' > 20' Comp	X					X					5-11-11	241														
3	20' > 25' Comp	X					X					5-11-11	252														
4	25' > 30' Comp	X					X					5-11-11	301	X													

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Relinquished By: <u>Roy R. Rascon</u>	Date: <u>5-12-11</u>	Received By: <u>Gadi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: <u>842</u>
Relinquished By:	Time: <u>8:42</u>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		
Time:		Checked By: <u>Gadi Benson</u>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
REMARKS: <u>Push & Email all Please</u>				

May 20, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61 #2 B3

Enclosed are the results of analyses for samples received by the laboratory on 05/16/11 8:56.

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: 05/16/2011
 Reported: 05/20/2011
 Project Name: T E R LC-61 #2 B3
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 10' > 15' (H101000-01)

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	31.2	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	1780	10.0	05/19/2011	ND	207	104	200	1.84	
Surrogate: 1-Chlorooctane	130 %	70-130							
Surrogate: 1-Chlorooctadecane	111 %	70-130							


Sample ID: 15' > 20' (H101000-02)

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.0	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	737	10.0	05/19/2011	ND	207	104	200	1.84	
Surrogate: 1-Chlorooctane	133 %	70-130							
Surrogate: 1-Chlorooctadecane	121 %	70-130							

Cardinal Laboratories

* = 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: 05/16/2011
Reported: 05/20/2011
Project Name: T E R LC-61 #2 B3
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/13/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 25' > 30' (H101000-03)

TPH 8015M

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.0	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	175	10.0	05/19/2011	ND	207	104	200	1.84	

Surrogate: 1-Chlorooctane 121 % 70-130

Surrogate: 1-Chlorooctadecane 123 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

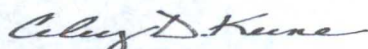
Notes and Definitions

Z-01	One or more surrogates above historical limits.
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

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

Company Name: WHOLE EARTH ENVIRONMENTAL INC.		P.O. #:		BILL TO												ANALYSIS REQUEST																																			
Project Manager: ROY R. RASCON		Company:																																																	
Address:		Attn:																																																	
City:		Address:																																																	
Phone #:		City:																																																	
State:		State:																																																	
Zip:		Zip:																																																	
Project Owner:		Phone #:																																																	
Project Name: T.E.R. LC-61 B3 #2 B3		Fax #:																																																	
Project Location:																																																			
Sampler Name: ROY R. RASCON																																																			
FOR LAB USE ONLY		SAMPLE I.D.		MATRIX				PRESERV.				SAMPLING				CATS & ANS				PH				BTX				CL				TPH 418.1				8015M															
LAB ID #				WASTEWATER				GROUNDWATER				# CONTAINERS				OTHER :				ACID/BASE:				ICE / COOL				OTHER :				DATE				TIME															
101000		10' > 15'										1																																							
H100		2 15' > 20'										1																																							
		3 25' > 30'										1																																							

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Relinquished By: ROY R. RASCON		Date: 5-16-11		Received By: Wendi Benson		Phone Result: Yes No		Add'l Phone #: No		Fax Result: Yes No		Add'l Fax #: No	
Relinquished By: Roy R. Rascon		Date: 5/16/11		Received By: Wendi Benson		Sample Condition: Cool Intact Yes No		Checked By: Wendi Benson		REMARKS: PLEASE E-MAIL TO: roy r , mikeg, elliotw, & mcgriffin@vadose.us			
Delivered By: (Circle One)		Time: 8:56		Time:		Sample: UPS - Bus - Other							

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

#26

May 20, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61 #2 B4

Enclosed are the results of analyses for samples received by the laboratory on 05/16/11 8:56.

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: 05/16/2011
 Reported: 05/20/2011
 Project Name: T E R LC-61 #2 B4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/12/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 10' >15' (H100999-01)

TPH 8015M	mg/kg	Analyzed By: ck							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	24.4	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	216	10.0	05/19/2011	ND	207	104	200	1.84	

Surrogate: 1-Chlorooctane 79.5 % 70-130

Surrogate: 1-Chlorooctadecane 107 % 70-130

Sample ID: 25' > 30' (H100999-02)

BTEX 8021B	mg/kg	Analyzed By: CMS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2011	ND	1.92	96.1	2.00	9.31	
Toluene*	<0.050	0.050	05/17/2011	ND	1.91	95.6	2.00	8.08	
Ethylbenzene*	0.063	0.050	05/17/2011	ND	1.92	96.1	2.00	8.79	
Total Xylenes*	0.191	0.150	05/17/2011	ND	5.71	95.2	6.00	8.20	

Surrogate: 4-Bromofluorobenzene (PIL) 84.9 % 70-130

TPH 8015M	mg/kg	Analyzed By: ck							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.9	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	170	10.0	05/19/2011	ND	207	104	200	1.84	

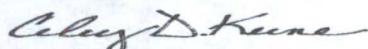
Surrogate: 1-Chlorooctane 124 % 70-130

Surrogate: 1-Chlorooctadecane 126 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

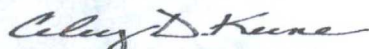
Notes and Definitions

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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[illegible]

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

May 20, 2011

ROY R. RASCON

WHOLE EARTH ENVIRONMENTAL, INC.

2103 ARBOR COVE

KATY, TX 77494

RE: T E R LC-61 #2 B5

Enclosed are the results of analyses for samples received by the laboratory on 05/16/11 8:56.

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: 05/16/2011
 Reported: 05/20/2011
 Project Name: T E R LC-61 #2 B5
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 05/13/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 10' > 15' (H101001-01)

TPH 8015M	mg/kg	Analyzed By: AB							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23.8	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	913	10.0	05/19/2011	ND	207	104	200	1.84	

Surrogate: 1-Chlorooctane 114 % 70-130

Surrogate: 1-Chlorooctadecane 98.4 % 70-130

Sample ID: 20' > 25' (H101001-02)

TPH 8015M	mg/kg	Analyzed By: AB							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.9	10.0	05/19/2011	ND	199	99.6	200	1.74	
DRO >C10-C28	98.4	10.0	05/19/2011	ND	207	104	200	1.84	

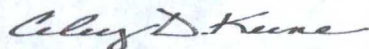
Surrogate: 1-Chlorooctane 131 % 70-130

Surrogate: 1-Chlorooctadecane 130 % 70-130

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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: 05/16/2011
Reported: 05/20/2011
Project Name: T E R LC-61 #2 B5
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/13/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 25' > 30' (H101001-03)

BTEx 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2011	ND	1.92	96.1	2.00	9.31		
Toluene*	<0.050	0.050	05/17/2011	ND	1.91	95.6	2.00	8.08		
Ethylbenzene*	<0.050	0.050	05/17/2011	ND	1.92	96.1	2.00	8.79		
Total Xylenes*	<0.150	0.150	05/17/2011	ND	5.71	95.2	6.00	8.20		

Surrogate: 4-Bromofluorobenzene (PII) 85.3 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	11.4	10.0	05/19/2011	ND	199	99.6	200	1.74		
DRO >C10-C28	59.1	10.0	05/19/2011	ND	207	104	200	1.84		

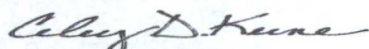
Surrogate: 1-Chlorooctane 131 % 70-130

Surrogate: 1-Chlorooctadecane 120 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

Z-01	One or more surrogates above historical limits.
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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