

RECEIVED

By Jamie at 10:43 am, Sep 23, 2015

Closure Report**APPROVED**

By Jamie at 10:44 am, Sep 23, 2015

Site Description

Site Name:	LW White NCT-B Tract A Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L N, Section 35, T20S, R26E
County:	Lea County, NM
GPS Coordinates:	N 32.52417° W 103.32478°

Release Data

Date of Release:	Unknown, historical
Type of Release:	Unknown, historical
Source of Release:	Unknown, historical
Volume of Release:	Unknown, historical
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak area to a depth of 1 foot. Excavate the area around SP12 to a depth of 3 feet. Excavate the area around SP6 to a depth of 7 feet. Obtain confirmation samples at SP6, SP12, and SP16. Backfill the site with clean soil.
Remediation Activities:	08/07/2015 to 09/15/2015

Plan Sent to OCD:	07/28/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	07/29/2015	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 07/23/2015
Final C-141	Signed 09/21/2015
Site Diagram	July 2015
Groundwater Plot	125'-150'
TOPO Maps	July 2015
Lab Summary	5/22/15, 5/26/15-5/28/15, 5/28/15-5/29/15, and 9/9/15
Lab Analysis	5/22/15, 5/26/15-5/28/15, 5/28/15-5/29/15, and 9/9/15
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

09/23/2015

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	LW White NCT-B Tract A Battery	Facility Type	Abandoned battery site
Surface Owner	Dale Cooper Family Trust	Mineral Owner	
		API No.	30-025-04410

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	35	20S	36E					Lea County, NM

Latitude N 32.52417° Longitude W 103.32478°

NATURE OF RELEASE

Type of Release	Unknown, historical	Volume of Release	Unknown	Volume Recovered	0 bbls
Source of Release	Unknown, historical	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	n/a		
By Whom?	n/a	Date and Hour	n/a		
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.*

This is a former battery that has been abandoned. Contamination on this site is historical in nature.

Describe Area Affected and Cleanup Action Taken.*

This site will be assessed and delineated. Once samples are collected, the results of the sample analysis will be discussed with the NMOCD to develop a remediation plan. Then, remediation will be completed in accordance with the remediation plan approved by NMOCD.

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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Lead	Approval Date:	Expiration Date:	
E-mail Address: Chancey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>7-23-15</u> Phone: (432) 685-5824			

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

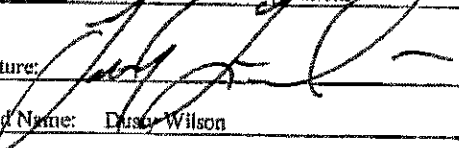
Name of Company	Oxy Permian Ltd.	Contact	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	LW White NCT-B Tract A Battery	Facility Type	Abandoned battery site
Surface Owner	Dale Cooper Family Trust	Mineral Owner	
		API No.	30-025-04410

LOCATION OF RELEASE

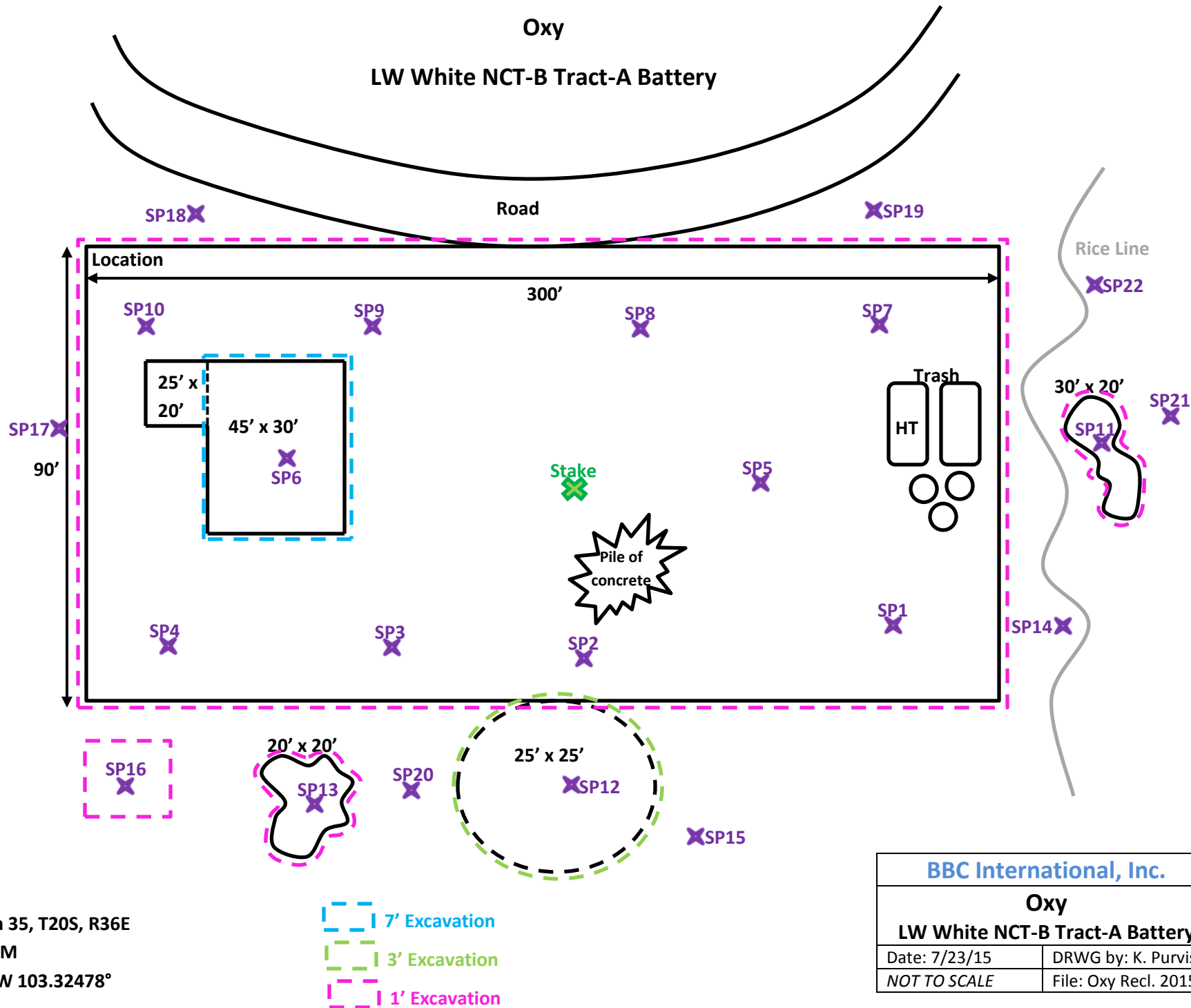
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	35	20S	36E					Lea County, NM

Latitude N 32.52417° Longitude W 103.32478°

NATURE OF RELEASE

Type of Release	Unknown, historical	Volume of Release	Unknown	Volume Recovered	0 bbls
Source of Release	Unknown, historical	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? n/a			
By Whom?	n/a	Date and Hour n/a			
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.*					
This is a former battery that has been abandoned. Contamination on this site is historical in nature.					
Describe Area Affected and Cleanup Action Taken.*					
Site assessment was completed and delineation was performed. After the discussion with NMOCD concerning sample analysis results, a remediation plan was approved by Jamie Keyes of NMOCD via email on 07/29/2015. BBC International completed the work as outlined in the plan.					
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:					
Printed Name:	Dusty Wilson	Approved by Environmental Specialist:			
Title:	Environmental Advisor	Approval Date:	Expiration Date:		
E-mail Address:	Dusty.Wilson@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>		
Date:	9/21/15	Phone:	(432) 685-5771		

* Attach Additional Sheets If Necessary



U/L N, Section 35, T20S, R36E
Lea County, NM
N 32.52417° W 103.32478°



Groundwater Plot

Oxy LW White NCT-B Tract A Battery

County
Lea

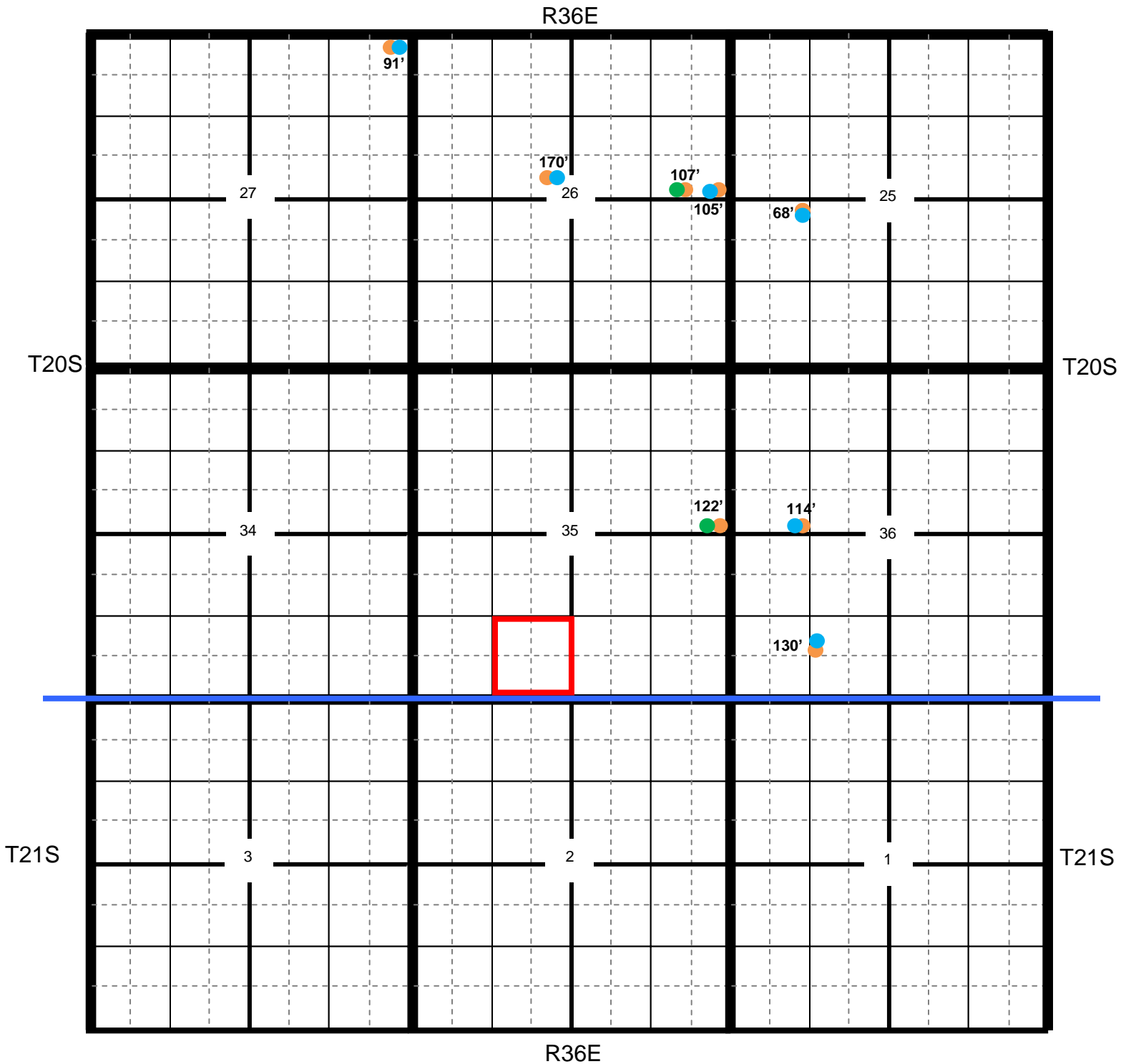
Unit Letter
N

Section
35

Township
20S

Range
36E

Trend Map 125'-150'



Location

OCD

USGS

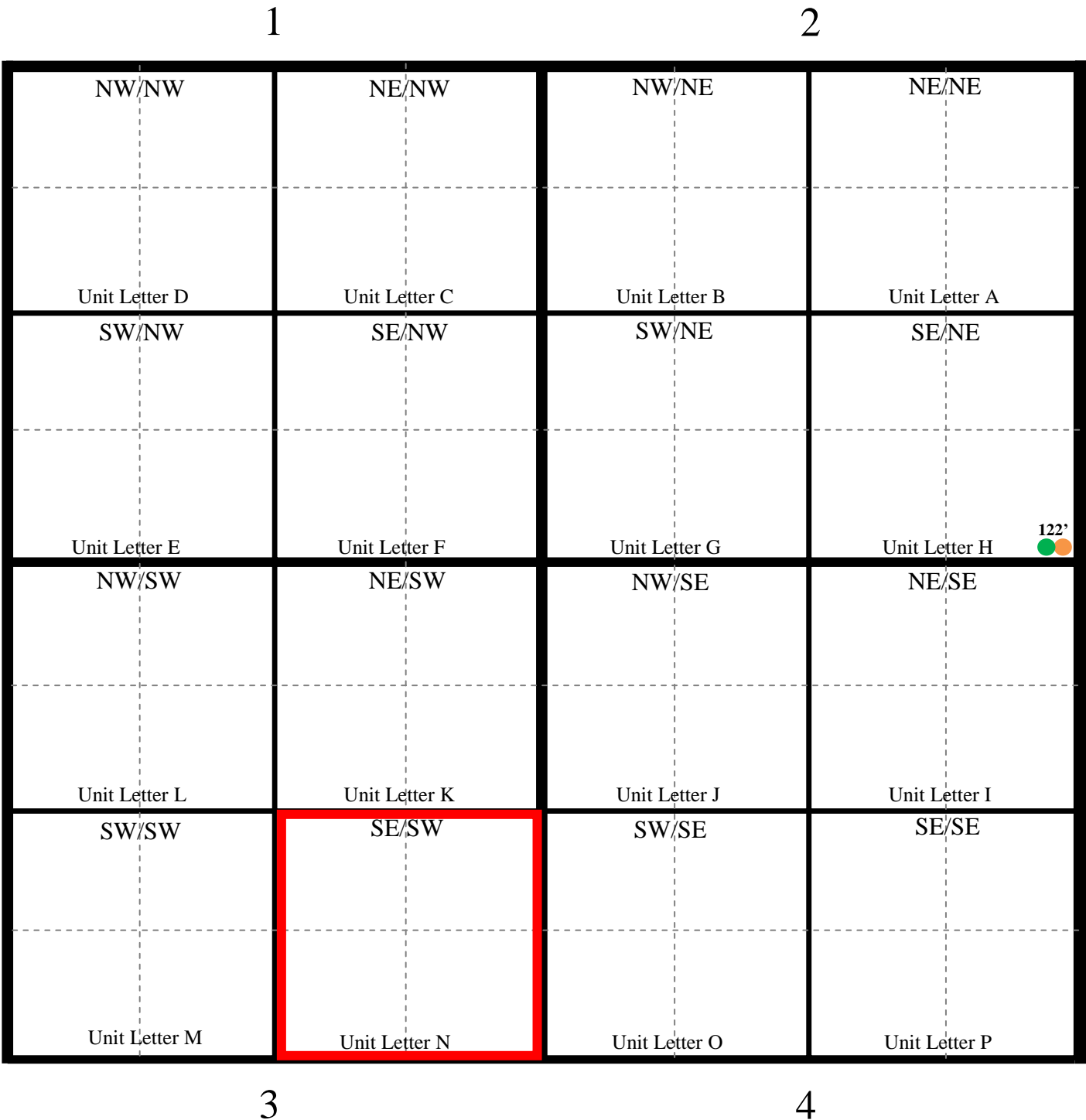
SEO

All Databases

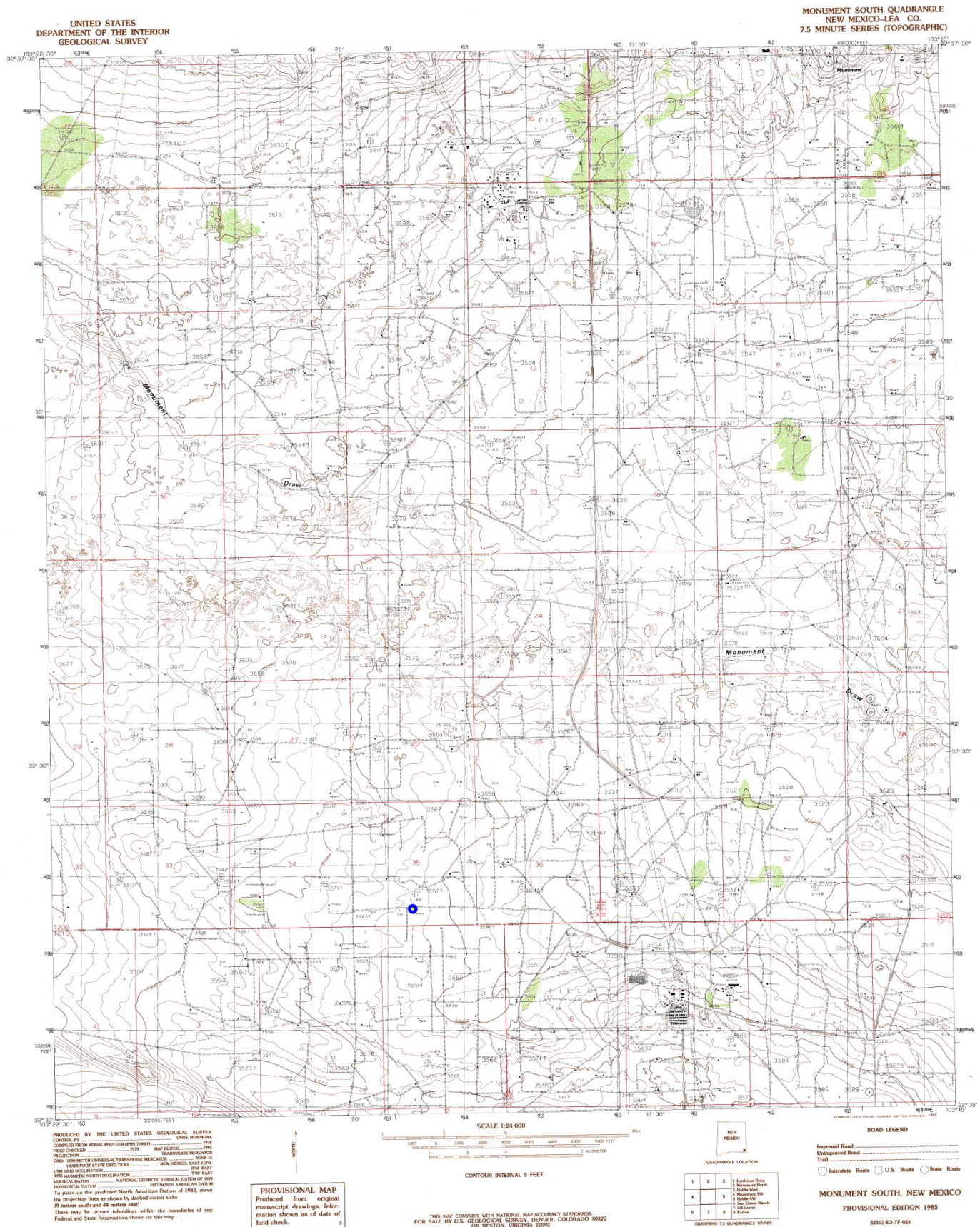
Oxy LW White NCT-B Tract A Battery

County	Unit Letter	Section	Township	Range
Lea	N	35	20S	36E

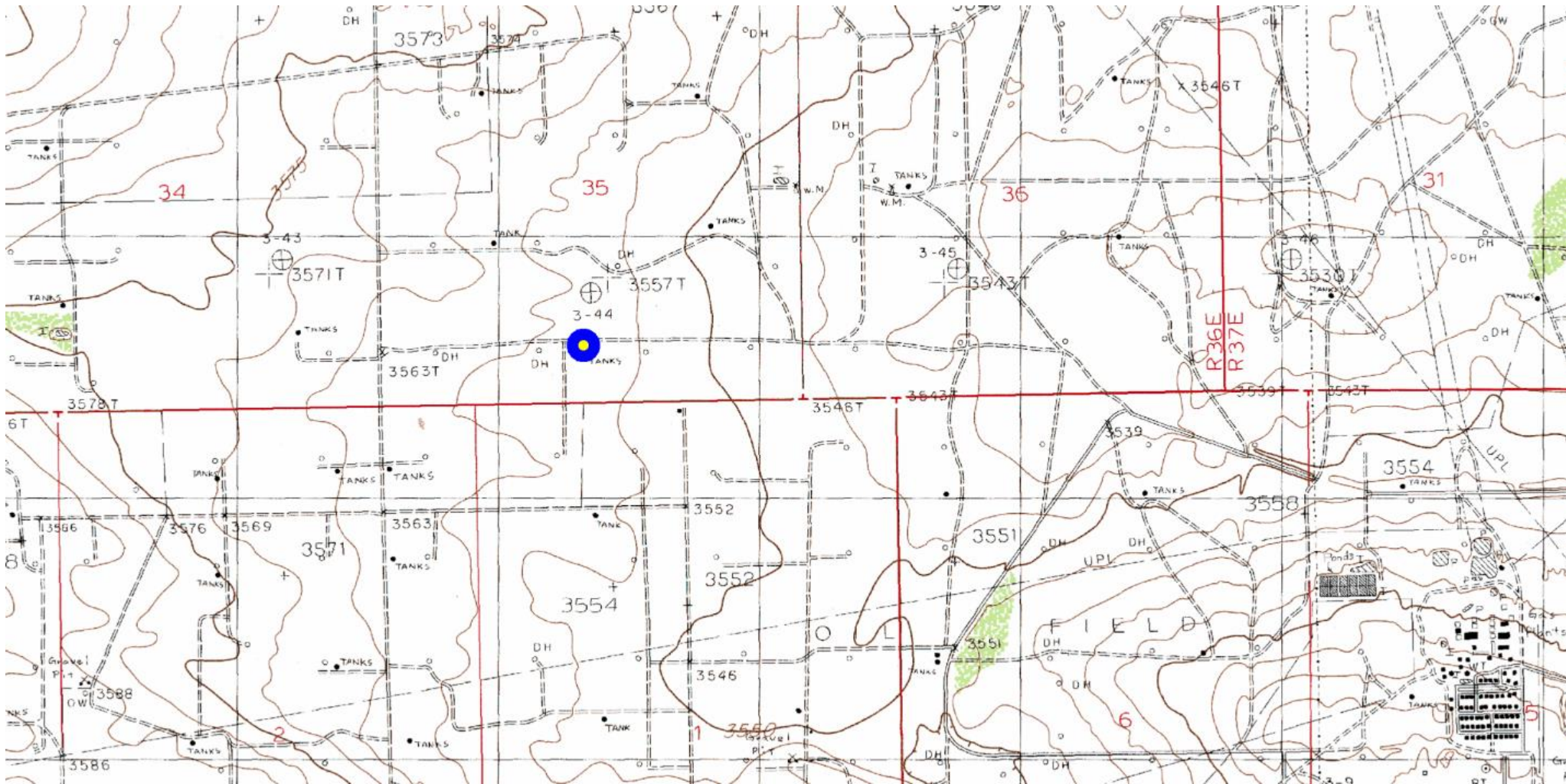
Trend Map 125'-150'



N 32.52414° W 103.32491°



N 32.52414° W 103.32491°



Laboratory Analytical Results Summary
LW White NCT-B Tract-A Battery

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	5/22/15	5/22/15	5/22/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<50.0	<10.0	<10.0
DRO	TPH 8015M		350	15.1	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 5'
Analyte	Method	Date	5/22/15	5/22/15	5/22/15	5/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	16	<16.0	<16.0
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		1630	51.7	12.6	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	5/22/15	5/22/15	5/22/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<50.0	<10.0
DRO	TPH 8015M		78.7	402	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	5/22/15	5/22/15	5/22/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<50.0	<50.0	<10.0
DRO	TPH 8015M		1180	462	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	5/26/15	5/26/15	5/26/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	0.066	<0.050
Ethylbenzene	BTEX 8021B		0.381	1.99	0.089
Total Xylenes	BTEX 8021B		0.584	1.77	<0.150
Total BTEX	BTEX 8021B		0.964	3.83	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<100	53.9	<10.0
DRO	TPH 8015M		8120	457	20.2

		Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 6'	SP6 @ 9'	SP6 @ 11'
Analyte	Method	Date	5/26/15	5/26/15	5/26/15	5/26/15	5/26/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.500	<0.500	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.500	<0.500	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.500	6.12	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.478	6.93	13.4	<0.150	<0.150
Total BTEX	BTEX 8021B		0.478	6.93	19.5	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	96	112	<16.0	<16.0
GRO	TPH 8015M		<50.0	911	1210	<10.0	<10.0
DRO	TPH 8015M		1530	11200	21900	21.6	<10.0

		Sample	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	5/26/15	5/26/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'
Analyte	Method	Date	5/26/15	5/26/15	5/26/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.706	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.946	<0.150	<0.150
Total BTEX	BTEX 8021B		1.65	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<50.0	<10.0	<10.0
DRO	TPH 8015M		819	81.7	10.2

Laboratory Analytical Results Summary
LW White NCT-B Tract-A Battery

		Sample	SP9 @ 1'	SP9 @ 2'
Analyte	Method	Date	5/26/15	5/26/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'	SP10 @ 5'
Analyte	Method	Date	5/27/15	5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	176	<16.0
GRO	TPH 8015M		<50.0	<50.0	<50.0	<10.0
DRO	TPH 8015M		697	52.7	485	<10.0

		Sample	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'
Analyte	Method	Date	5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		64	16	<16.0
GRO	TPH 8015M		<50.0	<10.0	<10.0
DRO	TPH 8015M		261	42.4	<10.0

		Sample	SP12 @ 1'	SP12 @ 4'	SP12 @ 7'	SP12 @ 9'	SP12 @ 13'	SP12 @ 15'
Analyte	Method	Date	5/27/15	5/27/15	5/27/15	5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	96	<16.0	64	64	<16.0
GRO	TPH 8015M		129	<50.0	<50.0	<50.0	<10.0	<10.0
DRO	TPH 8015M		7760	96	286	4490	131	<10.0

		Sample	SP13 @ 1'	SP13 @ 2'
Analyte	Method	Date	5/28/15	5/28/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP14 @ SURFACE
Analyte	Method	Date	5/28/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		384
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		987

		Sample	SP15 @ SURFACE
Analyte	Method	Date	5/28/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP16 @ SURFACE
Analyte	Method	Date	5/28/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.055
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		304
GRO	TPH 8015M		<100
DRO	TPH 8015M		9780

Laboratory Analytical Results Summary
LW White NCT-B Tract-A Battery

		Sample	SP17 @ SURFACE
Analyte	Method	Date	5/28/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP18 @ SURFACE
Analyte	Method	Date	5/29/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		19.9

		Sample	SP19 @ SURFACE
Analyte	Method	Date	5/29/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP20 @ SURFACE
Analyte	Method	Date	5/29/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		74.7

		Sample	SP21 @ SURFACE
Analyte	Method	Date	5/29/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		71

		Sample	SP22 @ SURFACE
Analyte	Method	Date	5/29/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		67.6

Laboratory Analytical Results Summary
LW White NCT-B Tract A Battery

		Sample	SP6 @ BOTTOM	SP12 @ BOTTOM	SP16 @ BOTTOM
Analyte	Method	Date	/9/15	9/9/15	9/9/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 04, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LW WHITE NCT-B TRACT-A

Enclosed are the results of analyses for samples received by the laboratory on 05/29/15 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 1 @ 1 (H501352-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2015	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	350	50.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 94.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 148 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 1 @ 2 (H501352-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	15.1	10.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 94.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 1 @ 3 (H501352-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTEX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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Analytical Results For:

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Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 2 @ 1 (H501352-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTEX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	1630	50.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 95.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 186 % 52.1-176

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Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 2 @ 2 (H501352-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/01/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	51.7	10.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 131 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 2 @ 3 (H501352-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33		
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191		
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167		
Total BTEX	<0.300	0.300	06/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/30/2015	ND	172	85.8	200	4.29		
DRO >C10-C28	12.6	10.0	05/30/2015	ND	183	91.5	200	7.92		

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 2 @ 5 (H501352-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33		
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191		
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167		
Total BTEX	<0.300	0.300	06/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 97.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 3 @ 1 (H501352-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTEX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	78.7	10.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 3 @ 2 (H501352-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/30/2015	ND	172	85.8	200	4.29	
DRO >C10-C28	402	50.0	05/30/2015	ND	183	91.5	200	7.92	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 147 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 3 @ 3 (H501352-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTX	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	96.0	200	5.99	

Surrogate: 1-Chlorooctane 91.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 4 @ 1 (H501352-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33		
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191		
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167		
Total BTX	<0.300	0.300	06/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	06/01/2015	ND	177	88.4	200	2.82		
DRO >C10-C28	1180	50.0	06/01/2015	ND	192	96.0	200	5.99		

Surrogate: 1-Chlorooctane 94.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 182 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 4 @ 2 (H501352-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTEx	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	462	50.0	06/01/2015	ND	192	96.0	200	5.99	

Surrogate: 1-Chlorooctane 95.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 156 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/29/2015	Sampling Date:	05/22/2015
Reported:	06/04/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 4 @ 3 (H501352-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.91	95.5	2.00	1.33	
Toluene*	<0.050	0.050	06/02/2015	ND	1.96	97.8	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.85	92.5	2.00	0.0191	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.39	89.8	6.00	0.167	
Total BTEx	<0.300	0.300	06/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	96.0	200	5.99	

Surrogate: 1-Chlorooctane 98.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Lm White NT-B Trail - A

Project Location: Monmouth & Hwy

Sample Name: Jeff Campbell

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D. Sample I.D.

H501352

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX					PRESERV		SAMPLING													
		# CONTAINERS		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
WTF-500000	SP101	1	1	X		X							5:22	11:00	X	X	X	X	X	X	X	X	X	X
	SP102	1	1	X		X							11:21	11:45	X	X	X	X	X	X	X	X	X	X
	SP201	1	1	X		X							11:15	11:15	X	X	X	X	X	X	X	X	X	X
	SP202	1	1	X		X							12:55	12:55	X	X	X	X	X	X	X	X	X	X
	SP301	1	1	X		X							2:00	2:39	X	X	X	X	X	X	X	X	X	X
	SP302	1	1	X		X							2:55	3:15	X	X	X	X	X	X	X	X	X	X

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Relinquished By: UPHOS Date: 5-29-15 Time: 10:10 Received By: Scott Jensen

Relinquished By: UPHOS Date: 5-29-15 Time: 10:10 Received By: Scott Jensen

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

2.80

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

CHECKED BY: (Initials)

UPHOS

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

REMARKS:

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

#54

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

June 12, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LW WHITE NCT-B TRACT-A

Enclosed are the results of analyses for samples received by the laboratory on 06/05/15 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 5 @ 1 (H501453-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	0.381	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	0.584	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	0.964	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	06/09/2015	ND	186	93.1	200	2.60		
DRO >C10-C28	8120	100	06/09/2015	ND	202	101	200	14.1		

Surrogate: 1-Chlorooctane 113 % 47.2-157

Surrogate: 1-Chlorooctadecane 357 % 52.1-176

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 5 @ 2 (H501453-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	0.066	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	1.99	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	1.77	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTEX	3.83	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	53.9	50.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	457	50.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 189 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 5 @ 3 (H501453-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	0.089	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTEX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	20.2	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ 1 (H501453-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	0.478	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTEX	0.478	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	1530	50.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 165 % 52.1-176

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Cliff Brunson
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Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ 3 (H501453-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.500	0.500	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.500	0.500	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	6.93	1.50	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	6.93	3.00	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	911	100	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	11200	100	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 229 % 47.2-157

Surrogate: 1-Chlorooctadecane 361 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ 6 (H501453-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.500	0.500	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	6.12	0.500	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	13.4	1.50	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTEX	19.5	3.00	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1210	100	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	21900	100	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 266 % 47.2-157

Surrogate: 1-Chlorooctadecane 478 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ 9 (H501453-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	21.6	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 113 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ 11 (H501453-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 52.1-176

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 7 @ 1 (H501453-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541		
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55		
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39		
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32		
Total BTEX	<0.300	0.300	06/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60		
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	202	101	200	14.1		

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 7 @ 2 (H501453-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2015	ND	184	92.1	200	1.44	
DRO >C10-C28	<10.0	10.0	06/08/2015	ND	182	91.2	200	1.62	

Surrogate: 1-Chlorooctane 87.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.8 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 8 @ 1 (H501453-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	0.706	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	0.946	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTEx	1.65	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	819	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 99.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 157 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 8 @ 2 (H501453-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	81.7	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 8 @ 3 (H501453-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	10.2	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 9 @ 1 (H501453-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTEx	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/26/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 9 @ 2 (H501453-15)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	0.541	
Toluene*	<0.050	0.050	06/09/2015	ND	2.03	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.16	108	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	5.98	99.6	6.00	1.32	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 10 @ 1 (H501453-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475		
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885		
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.24	112	2.00	0.109		
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443		
Total BTEx	<0.300	0.300	06/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	697	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 94.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 161 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 10 @ 2 (H501453-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443	
Total BTEx	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	52.7	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 94.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 10 @ 3 (H501453-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	485	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 145 % 52.1-176

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Analytical Results For:

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P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 10 @ 5 (H501453-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEx	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 91.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.9 % 52.1-176

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Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 11 @ 1 (H501453-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEx	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	261	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 79.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 11 @ 2 (H501453-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475		
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885		
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109		
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443		
Total BTEx	<0.300	0.300	06/10/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	42.4	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 97.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 11 @ 3 (H501453-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ 1 (H501453-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.100	0.100	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.100	0.100	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.300	0.300	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEx	<0.600	0.600	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	129	100	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	7760	100	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 229 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ 4 (H501453-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEx	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	96.0	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 93.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ 7 (H501453-25)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	286	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 90.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ 9 (H501453-26)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	4490	50.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 156 % 52.1-176

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Cliff Brunson
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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ 13 (H501453-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/10/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	6.18	103	6.00	0.0443	
Total BTEx	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	131	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 83.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.4 % 52.1-176

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/27/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ 15 (H501453-28)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 91.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.4 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/28/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 13 @ 1 (H501453-29)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157		
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324		
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608		
Total BTX	<0.300	0.300	06/10/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	188	93.8	200	1.72	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	187	93.7	200	1.43	

Surrogate: 1-Chlorooctane 88.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.9 % 52.1-176

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Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/28/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 13 @ 2 (H501453-30)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2015	ND	184	92.1	200	1.44	
DRO >C10-C28	<10.0	10.0	06/08/2015	ND	182	91.2	200	1.62	

Surrogate: 1-Chlorooctane 81.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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



101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#54

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



101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/5

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

June 12, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LW WHITE NCT-B TRACT-A

Enclosed are the results of analyses for samples received by the laboratory on 06/05/15 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/28/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 14 @ SURFACE (H501452-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	987	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 136 % 52.1-176

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/28/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 15 @ SURFACE (H501452-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/28/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 16 @ SURFACE (H501452-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	0.055	0.050	06/09/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	06/09/2015	ND	186	93.1	200	2.60		
DRO >C10-C28	9780	100	06/09/2015	ND	202	101	200	14.1		

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 402 % 52.1-176

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BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/28/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 17 @ SURFACE (H501452-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received:	06/05/2015	Sampling Date:	05/29/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 18 @ SURFACE (H501452-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2015	ND	2.10	105	2.00	0.475	
Toluene*	<0.050	0.050	06/09/2015	ND	2.12	106	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	06/09/2015	ND	2.24	112	2.00	0.109	
Total Xylenes*	<0.150	0.150	06/09/2015	ND	6.18	103	6.00	0.0443	
Total BTX	<0.300	0.300	06/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	19.9	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 98.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/29/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 19 @ SURFACE (H501452-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 99.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/29/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 20 @ SURFACE (H501452-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	74.7	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 128 % 52.1-176

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BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/29/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 21 @ SURFACE (H501452-08)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157		
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324		
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608		
Total BTEx	<0.300	0.300	06/10/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	71.0	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	06/05/2015	Sampling Date:	05/29/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 22 @ SURFACE (H501452-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/11/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	186	93.1	200	2.60	
DRO >C10-C28	67.6	10.0	06/09/2015	ND	202	101	200	14.1	

Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		Company:													
Address: P.O. Box 805		Attn:													
City: Hobbs		State: NM		Zip: 88241											
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:											
Project #:		City:		State:											
Project Name: Luchik N-T-B Truck-A		Zip:													
Project Location: Movement		Phone #:													
Sampler Name: DTH Samples		Fax #:													
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
H50452	SP140 Surface	X	6	X		X							DATE		
1	SP150 Surface	X	6	X		X							TIME		
2	SP160 Surface	X	6	X		X									
3	SP170 Surface	X	6	X		X									
4	SP180 Surface	X	6	X		X									
5	SP190 Surface	X	6	X		X									
6	SP200 Surface	X	6	X		X									
7	SP210 Surface	X	6	X		X									
8	SP220 Surface	X	6	X		X									
9	SP230 Surface	X	6	X		X									

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Relinquished By: <i>[Signature]</i>	Date: 6-4-15	Received By: <i>[Signature]</i>	Date: 6-5-15
Relinquished By: <i>[Signature]</i>	Date: 5:00	Received By: <i>[Signature]</i>	Date: 9:45
Delivered By: (Circle One) Gennife Gelsky	Time: 9:45	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>[Signature]</i> (Initials)
Sampler - UPS - Bus - Other:	3:22		

REMARKS:

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

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

#54



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 10, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LW WHITE NCT-B TRACT-A

Enclosed are the results of analyses for samples received by the laboratory on 09/09/15 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	09/09/2015	Sampling Date:	09/09/2015
Reported:	09/10/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ BOTTOM (H502371-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	<0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	<0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTX	<0.300	0.300	09/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/10/2015	ND	189	94.3	200	2.02	
DRO >C10-C28	<10.0	10.0	09/10/2015	ND	216	108	200	1.76	

Surrogate: 1-Chlorooctane 74.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 77.7 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	09/09/2015	Sampling Date:	09/09/2015
Reported:	09/10/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	MONUMENT, NM		

Sample ID: SP 12 @ BOTTOM (H502371-02)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323		
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435		
Ethylbenzene*	<0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594		
Total Xylenes*	<0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321		
Total BTEX	<0.300	0.300	09/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/10/2015	ND	189	94.3	200	2.02	
DRO >C10-C28	<10.0	10.0	09/10/2015	ND	216	108	200	1.76	

Surrogate: 1-Chlorooctane 76.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	09/09/2015	Sampling Date:	09/09/2015
Reported:	09/10/2015	Sampling Type:	Soil
Project Name:	LW WHITE NCT-B TRACT-A	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	MONUMENT, NM		

Sample ID: SP 16 @ BOTTOM (H502371-03)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323		
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435		
Ethylbenzene*	<0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594		
Total Xylenes*	<0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321		
Total BTEX	<0.300	0.300	09/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/10/2015	ND	189	94.3	200	2.02		
DRO >C10-C28	<10.0	10.0	09/10/2015	ND	216	108	200	1.76		

Surrogate: 1-Chlorooctane 74.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

State: NM Zip: 88241

Fax #: 575-397-0397

Project Owner: Dxy

Project Name: LM White MCT B Tract A

Project Location: Movement

Sampler Name: Price Brunson

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

1500371-

01 SP6 @ Bottom
02 SP12 @ Bottom
03 SP16 @ Bottom

Yell 9/21/15

MATRIX

PRESERV

SAMPLING

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

DATE TIME
9/9/15 1000
9/9/15 1015
9/9/15 1030

TPH
BTEX

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Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Date: 9/9/15
Time: 11:55am

Date: 9/9/15
Time: 11:55am

Sample Condition
Cov Intact
Yes Yes
No No

CHECKED BY: (Initials)
cdk

Delivered By: (Circle One)

-1.40c

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

#54

Kathy Purvis

From: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>
Sent: Wednesday, July 29, 2015 7:34 AM
To: Cliff Brunson; Jones, Kellie, EMNRD
Cc: Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY LW White NCT-B Tract-A Battery - Former Battery Remediation Plan

Good morning,

The remediation plan has been approved with the stipulation that confirmation samples are to be taken at SP 6, 11, 12, 16, and 2 more samples from within the general area. The RP # for this is 3770.

Thank you,

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, July 28, 2015 11:40 AM
To: Jones, Kellie, EMNRD
Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY LW White NCT-B Tract-A Battery - Former Battery Remediation Plan

Kellie,

This e-mail is to confirm our discussion on Friday, July 17, 2015 concerning the remediation plan for former Oxy LW White NCT-B Tract-A Battery. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Friday, August 07, 2015 9:34 AM
To: Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject: FW: Oxy LW White NCT-B Tract-A Battery remediation plan

FYI...see below

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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From: Keyes, Jamie, EMNRD [<mailto:Jamie.Keyes@state.nm.us>]
Sent: Friday, August 7, 2015 8:35 AM
To: cbrunson@bbcinternational.com
Subject: Oxy LW White NCT-B Tract-A Battery remediation plan

Cliff,

After our discussion yesterday and further review only the confirmation samples at SP6, SP12, and S16 will be needed.

Thank you,

Jamie R. Keyes
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 113
575-370-3180 (emergency-cell)

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

Please note:

- The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed.
- Photographic documentation is stipulated for all events involving liquids.

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