

# Closure Report

NMOCD approves  
1RP-4521 for closure.

## Site Description

Site Name:	Treasure Island Federal 1H Battery
Company:	COG Operating, LLC
Legal Description:	U/L P, Section 23, T24S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.19581° W 103.63860°

## Release Data

Date of Release:	11/13/16
Type of Release:	Oil
Source of Release:	FWKO
Volume of Release:	10 bbls
Volume Recovered:	9 bbls

## Remediation Specifications

Remediation Parameters:	Excavate the area around SP1 to a depth of 2.5 feet. Obtain confirmation bottom and sidewall samples at 2.5 ft. Excavate the area around SP2, SP3, SP4, and SP5 to a depth of 6 inches. Backfill the site with clean soil.	
Remediation Activities:	05/18/2017 to 05/24/2017	
Plan Sent to OCD:	03/23/2017	Email from Cliff Brunson to Olivia Yu
OCD Approval of Plan:	04/12/2017	Email from Olivia Yu to Cliff Brunson
Plan Sent to BLM:	03/23/2017	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	04/24/2017	Email from Shelly Tucker to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 11/15/2016
Final C-141	Signed 06/05/2017
Site Diagram	January 2017
Groundwater Plot	75'-100'
TOPO Maps	January 2017
Lab Summary	01/17/2017 and 05/23/2017
Lab Analysis	01/17/2017 and 05/23/2017
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, BBC International Inc.

06/08/2017

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:	COG Operating LLC	Contact:	Robert McNeill
Address:	600 West Illinois Avenue, Midland TX 79701	Telephone No.	432-683-7443
Facility Name:	Treasure Island Federal IH Battery	Facility Type:	Tank Battery
Surface Owner:	Federal	Mineral Owner:	API No. 30-025-41776

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	23	24S	32E	190	South	380	East	Lea

Latitude Longitude

**NATURE OF RELEASE**

Type of Release:	Oil	Volume of Release:	10 bbls	Volume Recovered:	9 bbls
Source of Release:	FWKO	Date and Hour of Occurrence:	11/13/2016 9:00 am	Date and Hour of Discovery:	11/13/2016 9:00am
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour:			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Switch on FWKO was not working properly causing up upset. Repaired the switch on the FWKO.

Describe Area Affected and Cleanup Action Taken.\*

The release occurred within the flare firewall on location and over sprayed onto the nearby pasture. Free standing fluids were removed via vacuum truck and a backhoe was utilized to scrape up impacted soil. Concho will have the spill site evaluated for any possible impact from the release and will present remediation work plan to the NMOCD for approval prior to any significant remediation activities.

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

Signature: <i>Rebecca Haskell</i>	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Rebecca Haskell	Approved by Environmental Specialist:		
Title: Senior HSE Coordinator	Approval Date:	Expiration Date:	
E-mail Address: rhaskell@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: November 15, 2016	Phone: 432-683-7443		

\* Attach Additional Sheets if Necessary

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

Form C-141  
Revised August 8, 2011

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

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: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland, TX 79701	Telephone No. 432-683-7443
Facility Name: Treasure Island Federal 1H Battery	Facility Type: Tank battery

Surface Owner: Federal	Mineral Owner:	API No. 30-025-41776
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	23	24S	32E	190	South	380	East	Lea County, NM

Latitude N 32.19581° Longitude W 103.63860°

**NATURE OF RELEASE**

Type of Release: Oil	Volume of Release: 10 bbls	Volume Recovered: 9 bbls
Source of Release: FWKO	Date and Hour of Occurrence 11/13/2016 @9:00 am	Date and Hour of Discovery 11/13/2016 @ 9:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*	<div style="border: 2px solid green; border-radius: 15px; padding: 10px; display: inline-block;"> <p><b>APPROVED</b> By Olivia Yu at 7:51 am, Jan 04, 2018</p> </div>	

Describe Cause of Problem and Remedial Action Taken.\*

Switch on FWKO was not working properly causing upset. Repaired the switch on FWKO.

Describe Area Affected and Cleanup Action Taken.\*

The release occurred within the flare firewall on location and over sprayed onto the nearby pasture. Free standing fluids were removed via vacuum truck and a backhoe was utilized to scrape up impacted soil. The site was delineated and a remediation plan was agreed upon. Remediation was completed in accordance with the remediation plan approved by Olivia Yu of NMOCD via email on 04/12/2017 and approved by Shelly Tucker of the BLM via email on 04/24/2017.

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

Signature: <i>Rebecca Haskell</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Rebecca Haskell	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Senior HSE Coordinator	Approval Date: 1/4/2018	Expiration Date: xx/xx/xxxx
E-mail Address: rhaskell@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: June 5, 2017	Phone: (432) 683-7443	

\* Attach Additional Sheets If Necessary

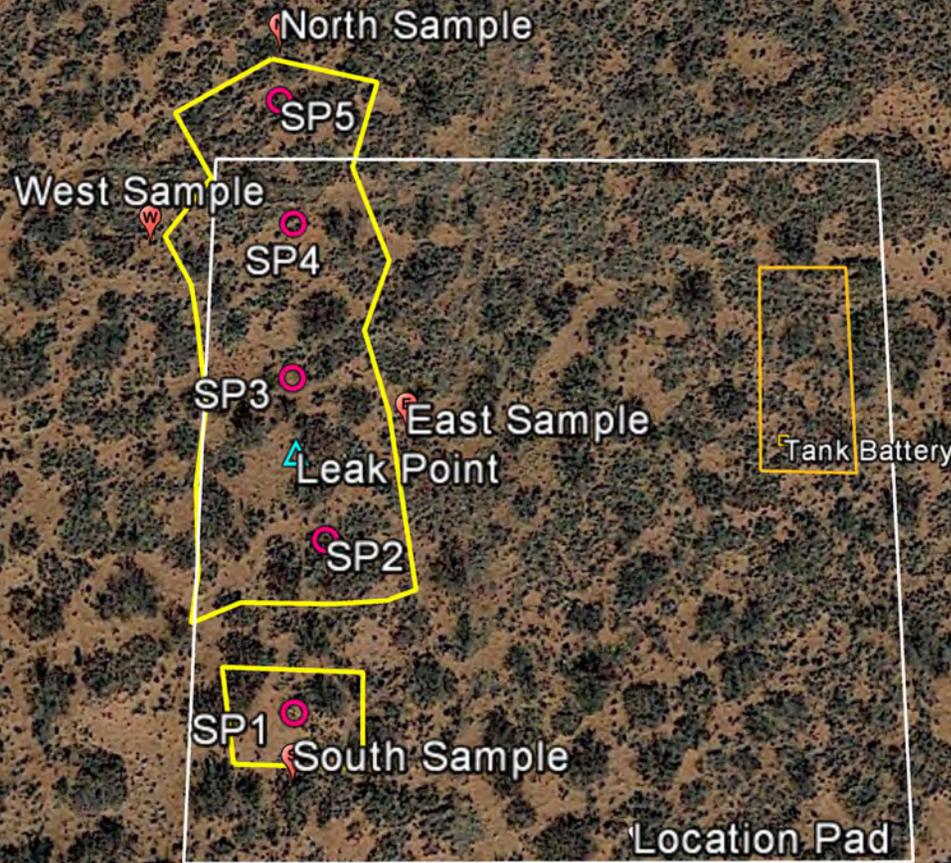
1RP-4521

# Treasure Island Fed #1H Battery

Leak Date: 11/13/2016

## Legend

-  East Sample
-  Leak Point
-  Location Pad
-  North Sample
-  Sample points, Hand Auger
-  South Sample
-  Tank Battery
-  West Sample



## COG, Treasure Island Fed #1H Battery

### Samples, Hand Auger

SP1, GPS point: N 32.19600° W-103.63861°

SP2, GPS point: N 32.19621° W-103.63857°

SP3, GPS point: N 32.19640° W-103.63863°

SP4, GPS point: N 32.19660° W-103.63863°

SP5, GPS point: N 32.19675° W-103.63866°

### Samples, Hand Auger

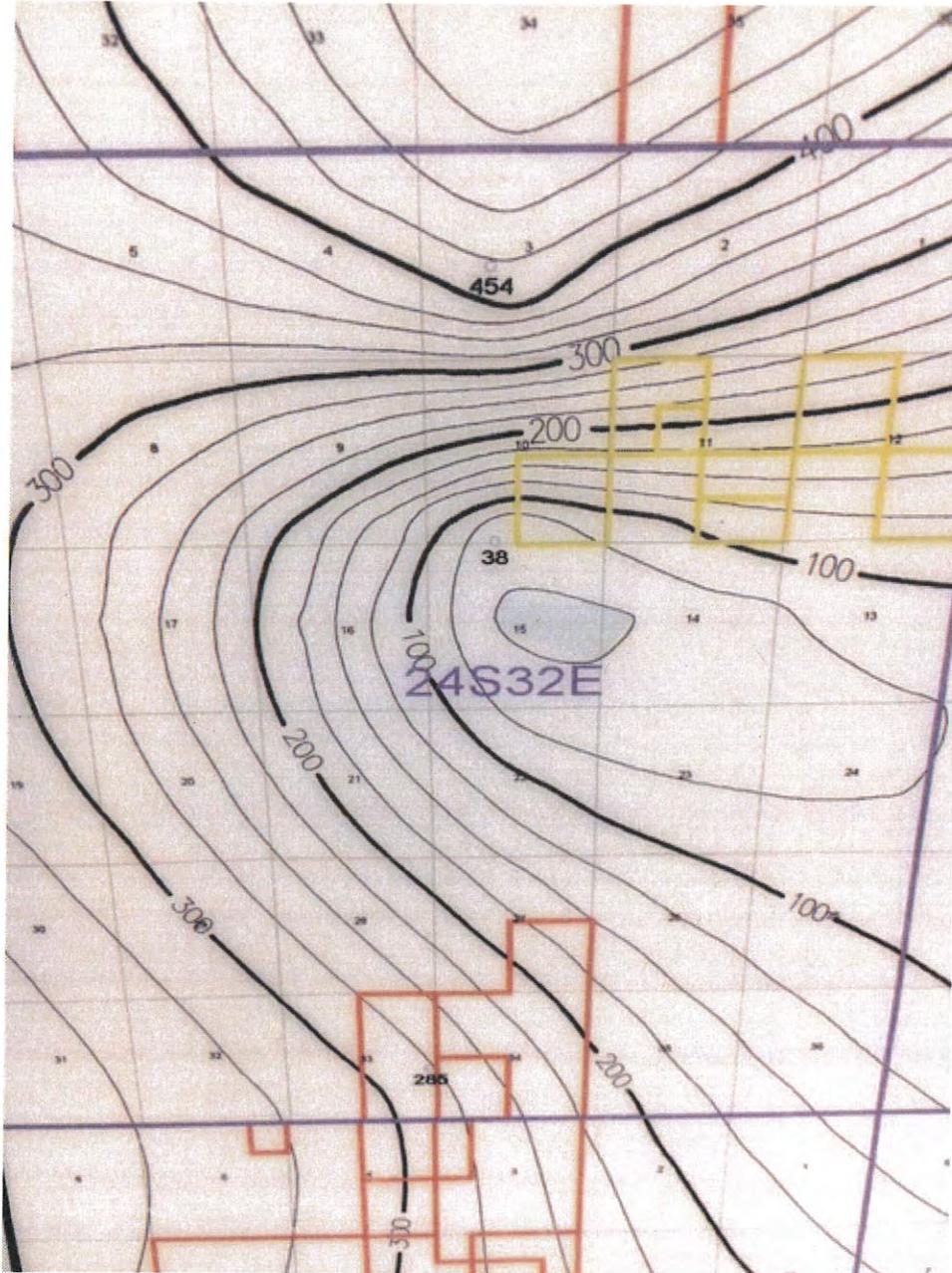
North Sample, GPS point: N 32.19682° W-103.63866°

South Sample, GPS point: N 32.19592° W-103.63861°

East Sample, GPS point: N 32.19634° W-103.63846°

West Sample, GPS point: N 32.19658° W-103.63884°

**COG, Treasure Island Federal 1H Battery  
U/L P, Section 23, T24S, R32E  
Groundwater: 75'-100'**





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*New Mexico Office of the State Engineer*  
**Water Column/Average Depth to Water**

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(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

**Easting (X):** 628282

**Northing (Y):** 3563153

**Radius:** 1700

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The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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2/27/17 2:12 PM

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

**Public Land Survey System (PLSS)**

Q64:  Q16: SE Q4: SE Sec: 23 Tws: 24S Rng: 32E

**State Plane Coordinate System - NAD27**

X:  ft Y:  ft Zone:

**State Plane Coordinate System - NAD83**

X:  ft Y:  ft Zone:

**Degrees/Minutes/Seconds**

Longitude (X): Degrees:  ° Minutes:  ' Seconds:  "  
Latitude (Y): Degrees:  ° Minutes:  ' Seconds:  "

**UTM - NAD27**

Easting (X):  mtrs Northing (Y):  mtrs Zone:

**SUBMIT**

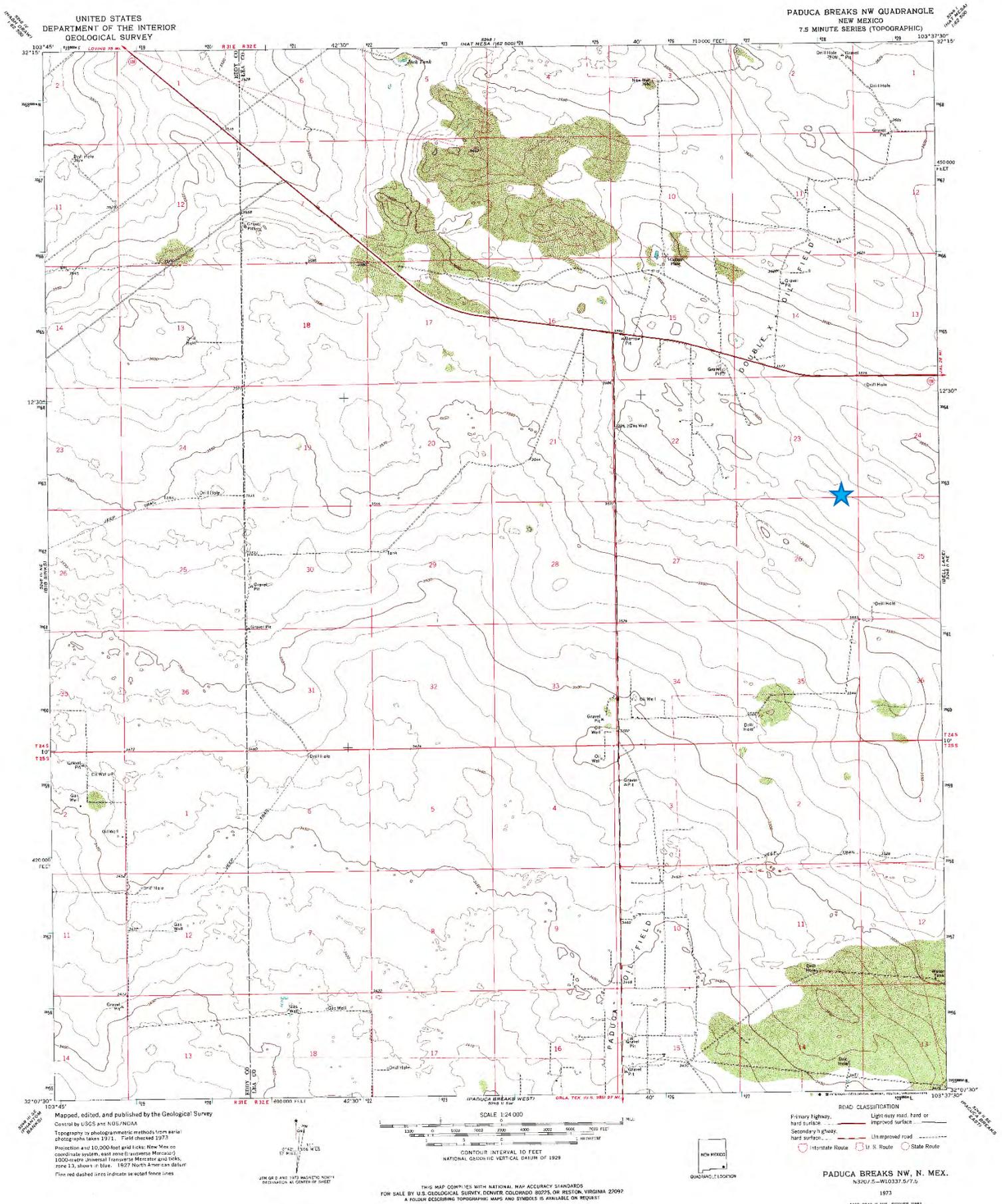
**All Conversion Results are displayed as NAD 1983 UTM Zone 13**

Easting (X):  628282.0 mtrs Northing (Y):  3563153.0 mtrs

**~~ Please keep screen open to copy UTM values for Reports. ~~**

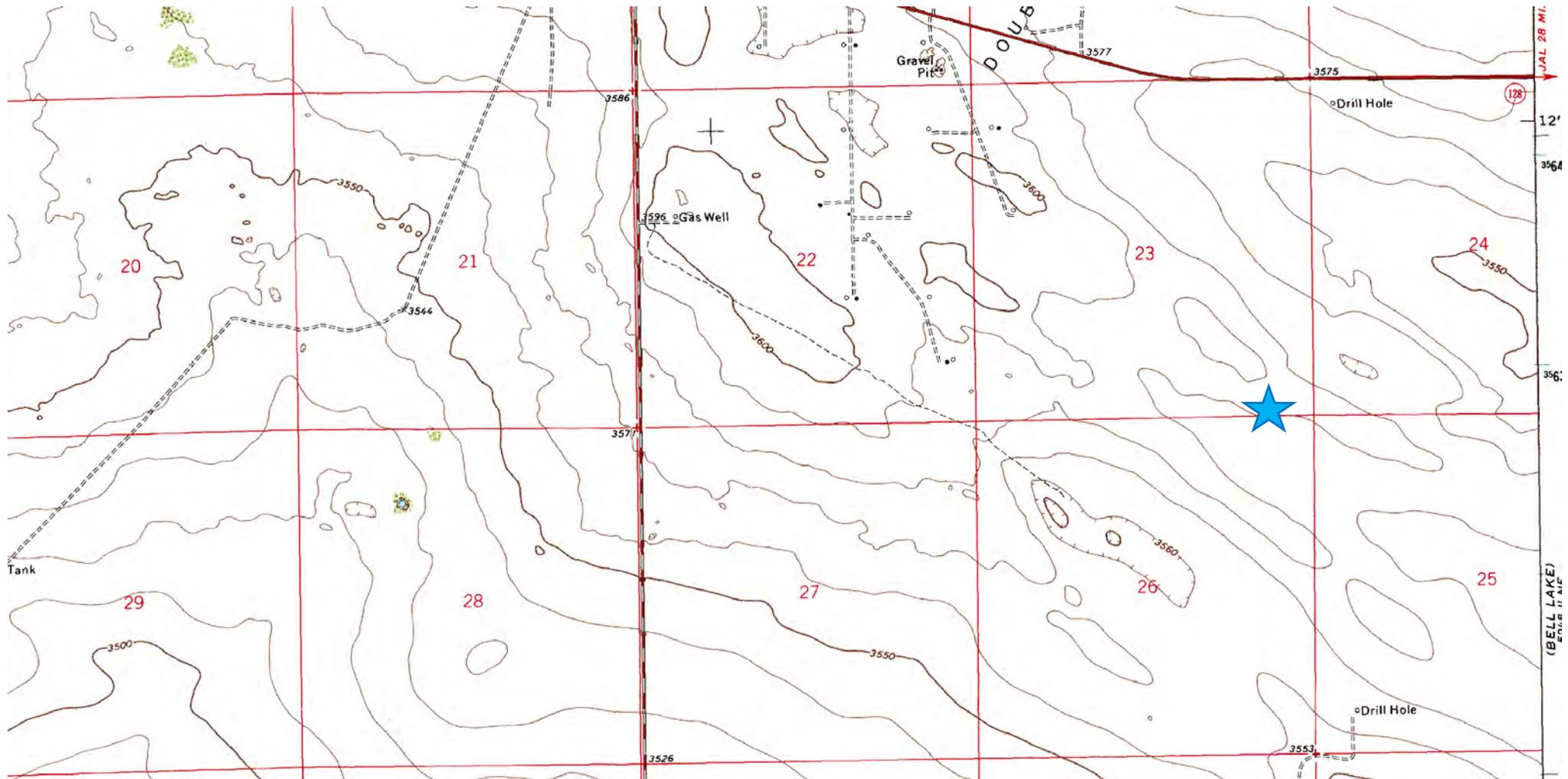
# COG

## Treasure Island Federal #1H Battery



# COG

## Treasure Island Federal #1H Battery



**Laboratory Analytical Results Summary  
Treasure Island Federal #1H Battery**

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
			1/17/17	1/17/17	1/17/17	1/17/17	1/17/17	1/17/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		12.9	2.95	<0.050	<0.500	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		85.9	28.7	0.062	0.785	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		29.3	13	<0.050	0.635	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		152	64.4	<0.150	3.95	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		280	109	<0.300	5.37	<0.300	<0.300
<b>GRO</b>	TPH 8015M		2930	1800	<10.0	291	<10.0	<10.0
<b>DRO</b>	TPH 8015M		6520	4090	58.8	2270	43.1	<10.0

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 2'
			1/17/17	1/17/17
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 2'
			1/17/17	1/17/17
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 2'
			1/17/17	1/17/17
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP5 @ SURFACE
			1/17/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050
<b>Toluene</b>	BTEX 8021B		<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300
<b>GRO</b>	TPH 8015M		<10.0
<b>DRO</b>	TPH 8015M		<10.0

Analyte	Method	Sample Date	NORTH SAMPLE
			1/17/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050
<b>Toluene</b>	BTEX 8021B		<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300
<b>GRO</b>	TPH 8015M		<10.0
<b>DRO</b>	TPH 8015M		<10.0

Analyte	Method	Sample Date	EAST SAMPLE
			1/17/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050
<b>Toluene</b>	BTEX 8021B		<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300
<b>GRO</b>	TPH 8015M		<10.0
<b>DRO</b>	TPH 8015M		<10.0

Analyte	Method	Sample Date	WEST SAMPLE
			1/17/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050
<b>Toluene</b>	BTEX 8021B		<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300
<b>GRO</b>	TPH 8015M		<10.0
<b>DRO</b>	TPH 8015M		<10.0

Analyte	Method	Sample Date	SOUTH SAMPLE
			1/17/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050
<b>Toluene</b>	BTEX 8021B		<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300
<b>GRO</b>	TPH 8015M		<10.0
<b>DRO</b>	TPH 8015M		<10.0

**Laboratory Analytical Results Summary  
Treasure Island Federal #1H Battery**

<b>Confirmation</b>		<b>Sample</b>	<b>SP1 @ 2.5'</b>	<b>SIDEWALL #1</b>	<b>SIDEWALL #2</b>	<b>SIDEWALL #3</b>	<b>SIDEWALL #4</b>
<b>Analyte</b>	<b>Method</b>	<b>Date</b>	5/23/17	5/23/17	5/23/17	5/23/17	5/23/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>0.056</b>	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.205</b>	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>0.169</b>	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>0.43</b>	<0.300	<0.300	<0.300	<0.300
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>168</b>	<10.0	<10.0	<10.0	<10.0



January 25, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TREASURE ISLAND FEDERAL #1H

Enclosed are the results of analyses for samples received by the laboratory on 01/19/17 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 1 @ 1' (H700123-01)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>12.9</b>	5.00	01/23/2017	ND	2.22	111	2.00	1.35	
<b>Toluene*</b>	<b>85.9</b>	5.00	01/23/2017	ND	2.21	110	2.00	1.27	
<b>Ethylbenzene*</b>	<b>29.3</b>	5.00	01/23/2017	ND	2.25	112	2.00	1.62	
<b>Total Xylenes*</b>	<b>152</b>	15.0	01/23/2017	ND	6.37	106	6.00	1.55	
<b>Total BTEX</b>	<b>280</b>	30.0	01/23/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>2930</b>	10.0	01/19/2017	ND	195	97.3	200	1.16		
<b>DRO &gt;C10-C28</b>	<b>6520</b>	10.0	01/19/2017	ND	201	100	200	0.152		

Surrogate: 1-Chlorooctane 211 % 35-147

Surrogate: 1-Chlorooctadecane 171 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 1 @ 2' (H700123-02)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>2.95</b>	2.00	01/23/2017	ND	2.22	111	2.00	1.35	
<b>Toluene*</b>	<b>28.7</b>	2.00	01/23/2017	ND	2.21	110	2.00	1.27	
<b>Ethylbenzene*</b>	<b>13.0</b>	2.00	01/23/2017	ND	2.25	112	2.00	1.62	
<b>Total Xylenes*</b>	<b>64.4</b>	6.00	01/23/2017	ND	6.37	106	6.00	1.55	
<b>Total BTEX</b>	<b>109</b>	12.0	01/23/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>1800</b>	10.0	01/20/2017	ND	192	95.9	200	2.88		
<b>DRO &gt;C10-C28</b>	<b>4090</b>	10.0	01/20/2017	ND	200	99.9	200	15.9		

Surrogate: 1-Chlorooctane 224 % 35-147

Surrogate: 1-Chlorooctadecane 148 % 28-171

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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:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 1 @ 3' (H700123-03)**

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	01/23/2017	ND	2.22	111	2.00	1.35	
<b>Toluene*</b>	<b>0.062</b>	0.050	01/23/2017	ND	2.21	110	2.00	1.27	
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55	
Total BTEX	<0.300	0.300	01/23/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904	
<b>DRO &gt;C10-C28</b>	<b>58.8</b>	10.0	01/20/2017	ND	200	100	200	1.12	

Surrogate: 1-Chlorooctane 98.3 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 1 @ 5' (H700123-04)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/23/2017	ND	2.22	111	2.00	1.35	
<b>Toluene*</b>	<b>0.785</b>	0.500	01/23/2017	ND	2.21	110	2.00	1.27	
<b>Ethylbenzene*</b>	<b>0.635</b>	0.500	01/23/2017	ND	2.25	112	2.00	1.62	
<b>Total Xylenes*</b>	<b>3.95</b>	1.50	01/23/2017	ND	6.37	106	6.00	1.55	
<b>Total BTEX</b>	<b>5.37</b>	3.00	01/23/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>291</b>	10.0	01/20/2017	ND	192	95.9	200	0.904	
<b>DRO &gt;C10-C28</b>	<b>2270</b>	10.0	01/20/2017	ND	200	100	200	1.12	

Surrogate: 1-Chlorooctane 119 % 35-147

Surrogate: 1-Chlorooctadecane 122 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 1 @ 7' (H700123-05)**

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	01/23/2017	ND	2.22	111	2.00	1.35		
Toluene*	<0.050	0.050	01/23/2017	ND	2.21	110	2.00	1.27		
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55		
Total BTEX	<0.300	0.300	01/23/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
<b>DRO &gt;C10-C28</b>	<b>43.1</b>	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 83.3 % 35-147

Surrogate: 1-Chlorooctadecane 97.4 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 1 @ 9' (H700123-06)**

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	01/23/2017	ND	2.22	111	2.00	1.35		
Toluene*	<0.050	0.050	01/23/2017	ND	2.21	110	2.00	1.27		
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55		
Total BTEX	<0.300	0.300	01/23/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 90.4 % 35-147

Surrogate: 1-Chlorooctadecane 98.7 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 2 @ 1' (H700123-07)**

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	01/23/2017	ND	2.22	111	2.00	1.35		
Toluene*	<0.050	0.050	01/23/2017	ND	2.21	110	2.00	1.27		
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55		
Total BTEX	<0.300	0.300	01/23/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 83.7 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 2 @ 2' (H700123-08)**

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	01/23/2017	ND	2.22	111	2.00	1.35		
Toluene*	<0.050	0.050	01/23/2017	ND	2.21	110	2.00	1.27		
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55		
Total BTEX	<0.300	0.300	01/23/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 86.2 % 35-147

Surrogate: 1-Chlorooctadecane 98.2 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 3 @ 1' (H700123-09)**

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	01/23/2017	ND	2.22	111	2.00	1.35	
Toluene*	<0.050	0.050	01/23/2017	ND	2.21	110	2.00	1.27	
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55	
Total BTEX	<0.300	0.300	01/23/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904	
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12	

Surrogate: 1-Chlorooctane 84.7 % 35-147

Surrogate: 1-Chlorooctadecane 99.3 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 3 @ 2' (H700123-10)**

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	01/23/2017	ND	2.22	111	2.00	1.35	
Toluene*	<0.050	0.050	01/23/2017	ND	2.21	110	2.00	1.27	
Ethylbenzene*	<0.050	0.050	01/23/2017	ND	2.25	112	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/23/2017	ND	6.37	106	6.00	1.55	
Total BTEX	<0.300	0.300	01/23/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904	
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12	

Surrogate: 1-Chlorooctane 81.3 % 35-147

Surrogate: 1-Chlorooctadecane 99.4 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 4 @ 1' (H700123-11)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16		
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834		
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817		
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648		
Total BTEX	<0.300	0.300	01/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 79.6 % 35-147

Surrogate: 1-Chlorooctadecane 94.6 % 28-171

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

Received:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 4 @ 2' (H700123-12)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16	
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834	
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817	
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648	
Total BTEX	<0.300	0.300	01/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904	
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12	

Surrogate: 1-Chlorooctane 82.8 % 35-147

Surrogate: 1-Chlorooctadecane 93.8 % 28-171

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:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SP 5 @ SURFACE (H700123-13)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16		
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834		
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817		
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648		
Total BTEX	<0.300	0.300	01/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 88.7 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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\*=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:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: NORTH (H700123-14)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16		
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834		
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817		
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648		
Total BTEX	<0.300	0.300	01/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 83.3 % 35-147

Surrogate: 1-Chlorooctadecane 95.9 % 28-171

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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:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: EAST (H700123-15)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16	
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834	
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817	
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648	
Total BTEX	<0.300	0.300	01/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904	
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12	

Surrogate: 1-Chlorooctane 87.6 % 35-147

Surrogate: 1-Chlorooctadecane 92.4 % 28-171

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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:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: WEST (H700123-16)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16		
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834		
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817		
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648		
Total BTEX	<0.300	0.300	01/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 84.9 % 35-147

Surrogate: 1-Chlorooctadecane 98.4 % 28-171

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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:	01/19/2017	Sampling Date:	01/17/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

**Sample ID: SOUTH (H700123-17)**

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	01/25/2017	ND	1.89	94.7	2.00	1.16		
Toluene*	<0.050	0.050	01/25/2017	ND	1.88	94.0	2.00	0.834		
Ethylbenzene*	<0.050	0.050	01/25/2017	ND	1.91	95.4	2.00	0.817		
Total Xylenes*	<0.150	0.150	01/25/2017	ND	5.41	90.1	6.00	0.648		
Total BTEX	<0.300	0.300	01/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/20/2017	ND	192	95.9	200	0.904		
DRO >C10-C28	<10.0	10.0	01/20/2017	ND	200	100	200	1.12		

Surrogate: 1-Chlorooctane 92.2 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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





**ARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: **BBC International, Inc.** P.O. #: \_\_\_\_\_  
 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: \_\_\_\_\_  
 Project Name: **Pressure Blend Tank #19** State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: **100** Phone #: \_\_\_\_\_  
 Sampler Name: **100** Fax #: \_\_\_\_\_

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	BTEX	TPH
		GROUNDWATER		WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						

H7D0123	SP102	(G)	1	X	X	X	X	X	X	X	X	X	1-17	955	X	X
	SP101	(G)	1	X	X	X	X	X	X	X	X	X	1015	1022	X	X
	SP201	(G)	1	X	X	X	X	X	X	X	X	X	1047	1130	X	X
	SP202	(G)	1	X	X	X	X	X	X	X	X	X	1145	1200	X	X
	SP301	(G)	1	X	X	X	X	X	X	X	X	X	1111	1111	X	X
	SP302	(G)	1	X	X	X	X	X	X	X	X	X	1130	1130	X	X

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Relinquished By: \_\_\_\_\_ Date: **1-18-17** Received By: **Semra Gidrey**

Relinquished By: \_\_\_\_\_ Date: **1-19-17** Received By: **Semra Gidrey**

Delivered By: (Circle One) **Jennifer Gidrey** Time: **9:05** Sample Condition:  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other: **#75** 5:30  Yes  No

CHECKED BY: \_\_\_\_\_

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





June 01, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TREASURE ISLAND FEDERAL #1H

Enclosed are the results of analyses for samples received by the laboratory on 05/26/17 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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](http://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:	05/26/2017	Sampling Date:	05/23/2017
Reported:	06/01/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

**Sample ID: SP1 @ 2.5' (H701411-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.056</b>	0.050	05/31/2017	ND	1.89	94.5	2.00	0.0256	
<b>Toluene*</b>	<b>0.205</b>	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
<b>Total Xylenes*</b>	<b>0.169</b>	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
<b>Total BTEX</b>	<b>0.430</b>	0.300	05/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

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	05/30/2017	ND	193	96.4	200	1.63	
<b>DRO &gt;C10-C28</b>	<b>168</b>	10.0	05/30/2017	ND	186	93.0	200	2.70	

Surrogate: 1-Chlorooctane 70.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 58.6 % 34.7-157

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:	05/26/2017	Sampling Date:	05/23/2017
Reported:	06/01/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

**Sample ID: SIDEWALL #1 (H701411-02)**

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	05/31/2017	ND	1.89	94.5	2.00	0.0256		
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445		
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290		
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317		
Total BTEX	<0.300	0.300	05/31/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 72-148

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	05/30/2017	ND	193	96.4	200	1.63		
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	186	93.0	200	2.70		

Surrogate: 1-Chlorooctane 89.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.1 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	05/26/2017	Sampling Date:	05/23/2017
Reported:	06/01/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

**Sample ID: SIDEWALL #2 (H701411-03)**

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	05/31/2017	ND	1.89	94.5	2.00	0.0256		
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445		
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290		
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317		
Total BTEX	<0.300	0.300	05/31/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 72-148

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	05/30/2017	ND	193	96.4	200	1.63		
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	186	93.0	200	2.70		

Surrogate: 1-Chlorooctane 99.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 77.9 % 34.7-157

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:	05/26/2017	Sampling Date:	05/23/2017
Reported:	06/01/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

**Sample ID: SIDEWALL #3 (H701411-04)**

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	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 72-148

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	05/30/2017	ND	193	96.4	200	1.63	
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	186	93.0	200	2.70	

Surrogate: 1-Chlorooctane 89.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 76.1 % 34.7-157

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:	05/26/2017	Sampling Date:	05/23/2017
Reported:	06/01/2017	Sampling Type:	Soil
Project Name:	TREASURE ISLAND FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

**Sample ID: SIDEWALL #4 (H701411-05)**

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	05/31/2017	ND	1.89	94.5	2.00	0.0256		
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445		
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290		
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317		
Total BTEX	<0.300	0.300	05/31/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 72-148

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	05/30/2017	ND	193	96.4	200	4.77		
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	187	93.7	200	5.60		

Surrogate: 1-Chlorooctane 90.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 78.5 % 34.7-157

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



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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

### BILL TO

### ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:  
 Project Manager: Cliff Brunson Company:  
 Address: P.O. Box 805 State: NM zip: 88241  
 City: Hobbs Attn:  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address:  
 Project #: Project Owner: C.O.G. City:  
 Project Name: TRASURE ISLAND FGD #11 State: Zip:  
 Project Location: Phone #:  
 Sampler Name: Pope Hernandez Fax #:

FOR LAB USE ONLY	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS REQUEST										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX
H7901411	SP1 @ 2.5'	G	1										5-23-17	400		
	SIDEWALL # 1	G	1										5-23-17	410		
	SIDEWALL # 2	G	1										5-23-17	410		
	SIDEWALL # 3	G	1										5-23-17	418		
	SIDEWALL # 4	G	1										5-23-17	430		

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Relinquished By: *Pope Hernandez* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: *Juanita Williams* Date: 5-24-17 Time: 4:15  
 Sample Condition:  Cool  Intact  
 Delivered By: (Circle One)  UPS  Bus  Other: 2:29  
 CHECKED BY: (Initials) *JW* 7/2/17  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

**From:** Yu, Olivia, EMNRD  
**To:** [Cliff Brunson](#); [Shelly Tucker](#)  
**Cc:** [Becky Haskell](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)  
**Subject:** RE: COG - Treasure Island Federal #1H Battery - Delineation Workplan  
**Date:** Wednesday, April 12, 2017 1:21:05 PM

---

Dear Mr. Brunson:

The delineation workplan for 1RP-4521 is approved with one condition:

There is no certainty that BTEX is below permissible levels at 2.5 ft bgs. NMOCD requests bottom and sidewall soil samples for laboratory analyses of BTEX and TPH for SP1 at 2.5 ft. If levels are above permissible values (>50 mg/kg BTEX; >5000 mg/kg TPH), excavate to 3 ft. Please confirm.

Thanks,  
Olivia

---

**From:** Cliff Brunson [mailto:[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)]  
**Sent:** Thursday, March 23, 2017 6:30 PM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Shelly Tucker <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Cc:** Becky Haskell <[rhaskell@concho.com](mailto:rhaskell@concho.com)>; Ken Swinney <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; Jennifer Gilkey <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; Kathy Purvis <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>  
**Subject:** COG - Treasure Island Federal #1H Battery - Delineation Workplan

Olivia and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the COG Treasure Island Federal #1H Battery (1RP-4521). COG is requesting that you review this plan and is looking forward to the OCD's and BLM's approval.

If you have any questions, please let me know.

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](mailto:cbrunson@bbcinternational.com)



\*\*\*\*\*

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\*\*\*\*\*

**From:** Tucker, Shelly  
**To:** [Cliff Brunson](#)  
**Cc:** [Becky Haskell](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)  
**Subject:** Re: FW: COG - Treasure Island Federal #1H Battery - Delineation Workplan  
**Date:** Monday, April 24, 2017 12:36:01 PM

---

BLM concurs with the NMOCD.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

**Shelly J Tucker**

Environmental Protection Specialist  
O&G Spill/Release Coordinator

Bureau of Land Management  
620 E. Greene St  
Carlsbad, NM 88220

575.234.5905 - Direct  
575.361.0084 - Cellular  
575.234.6235 - Emergency Spill Number

[stucker@blm.gov](mailto:stucker@blm.gov)

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Fri, Apr 21, 2017 at 3:08 PM, Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:

Shelly,

Per our discussion earlier today, I have attached the approved plan from Olivia. If you would reply with your approval as well, 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](mailto:cbrunson@bbcinternational.com)



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\*\*\*\*\*

---

**From:** Yu, Olivia, EMNRD [mailto:[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)]

**Sent:** Friday, April 21, 2017 12:39 PM

**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>; 'Shelly Tucker' <[stucker@blm.gov](mailto:stucker@blm.gov)>

**Cc:** 'Becky Haskell' <[rhaskell@concho.com](mailto:rhaskell@concho.com)>; 'Ken Swinney' <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; 'Jennifer Gilkey' <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; 'Kathy Purvis' <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>

**Subject:** RE: COG - Treasure Island Federal #1H Battery - Delineation Workplan

Mr. Brunson:

Please see the attachment for your records.

Thanks,

Olivia

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Friday, April 21, 2017 11:33 AM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; 'Shelly Tucker' <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Cc:** 'Becky Haskell' <[rhaskell@concho.com](mailto:rhaskell@concho.com)>; 'Ken Swinney' <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; 'Jennifer Gilkey' <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; 'Kathy Purvis' <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>  
**Subject:** RE: COG - Treasure Island Federal #1H Battery - Delineation Workplan

Olivia,

This is to confirm that COG will take bottom and sidewall confirmation samples and analyze for BTEX and TPH at SP1 at 2.5 ft. to verify levels are at permissible levels. If not, further excavation to 3 feet will be conducted.

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](mailto:cbrunson@bbcinternational.com)



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\*\*\*\*\*

---

**From:** Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]  
**Sent:** Wednesday, April 12, 2017 1:21 PM  
**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>; Shelly Tucker <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Cc:** Becky Haskell <[rhaskell@concho.com](mailto:rhaskell@concho.com)>; Ken Swinney <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; Jennifer Gilkey <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; Kathy Purvis <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>  
**Subject:** RE: COG - Treasure Island Federal #1H Battery - Delineation Workplan

Dear Mr. Brunson:

The delineation workplan for 1RP-4521 is approved with one condition:

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Thanks,

Olivia

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Thursday, March 23, 2017 6:30 PM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Shelly Tucker <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Cc:** Becky Haskell <[rhaskell@concho.com](mailto:rhaskell@concho.com)>; Ken Swinney <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; Jennifer Gilkey <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; Kathy Purvis <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>  
**Subject:** COG - Treasure Island Federal #1H Battery - Delineation Workplan

Olivia and Shelly,

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If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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Hobbs, NM 88240 USA

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