

# Closure Report

## Site Description

Site Name:	Pure Gold A Federal #2
Company:	Oxy Permian Ltd.
Legal Description:	U/L M, Section 21, T23S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.28449° W 103.78993°

## Release Data

Date of Release:	03/06/2016
Type of Release:	Oil
Source of Release:	Valve on circulating pump was open
Volume of Release:	250 bbls
Volume Recovered:	240 bbls

## Remediation Specifications

Remediation Parameters:	1' to 2' excavation as practicable, across entire spill area; then apply bioremediation agent, Remediate; leave the site open, re-sample the site after 90 days for TPH and BTEX; then, if necessary, re-apply the bioremediation agent, and re-sample again in 90 days for TPH and BTEX to determine if acceptable levels have been achieved.	
Remediation Activities:	03/22/2017 to 03/27/2017	
Plan Sent to OCD:	04/21/2016	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	04/29/2016	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	05/03/2016	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	06/13/2016	Email from Shelly Tucker to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 03/28/2016
Final C-141	Upon completion
Site Diagram	March 2016
Groundwater Plot	150'
TOPO Maps	March 2016
Lab Summary	04/06/2016 and 02/08/2017
Lab Analysis	01/26/2017
Correspondence	Request and approval of remediation plan via email

## Request for Closure

Based on the completion of the remediation plan as agreed upon, Oxy Permian Ltd. requests closure approval from NMOCD.

Casey Summers, NM Environmental Advisor, Oxy Permian Ltd.

04/25/2016

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	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Pure Gold A Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-27243

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	21	23S	31E					Eddy

Latitude N 32.28449° Longitude W 103.78993°

#### NATURE OF RELEASE

Type of Release	Oil	Volume of Release	250 bbls	Volume Recovered	240 bbls
Source of Release	Valve on circulating pump was open		Date and Hour of Occurrence	Date and Hour of Discovery	
		03/06/2016			
Was Immediate Notice Given?		If YES, To Whom?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required		Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM			
By Whom?		Date and Hour			
Kathy Purvis @ BBC International Inc.		03/07/2016 @ 2:13 pm			
Was a Watercourse Reached?		If YES, Volume Impacting the Watercourse.			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

If a Watercourse was Impacted, Describe Fully.\*

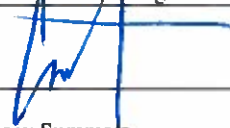
Describe Cause of Problem and Remedial Action Taken.\*

Livestock kicked open the valve on a circulating pump causing 250 bbls of oil to spill inside the firewall. A vacuum truck recovered approximately 240 bbls of oil and the valve was closed.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 75' x 60' inside the firewall. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Casey Summers		Approved by Environmental Specialist:	
Title: NM Environmental Advisor		Approval Date:	Expiration Date:
E-mail Address: <a href="mailto:Casey_Summers@oxy.com">Casey_Summers@oxy.com</a>		Conditions of Approval:	
Date: 3-28-16 Phone: (575) 513-8289		Attached <input type="checkbox"/>	




\* Attach Additional Sheets If Necessary



# Oxy, Pure Gold A Federal #2 Battery

Leak Date: 03/06/2016  
Eddy County, NM  
API# 30-015-27243  
RP# 2RP-3623

## Legend

-  1'-2' Excavation as practicable
-  Sample Points, Hand Auger
-  Spill Area

Google Earth

© 2016 Google



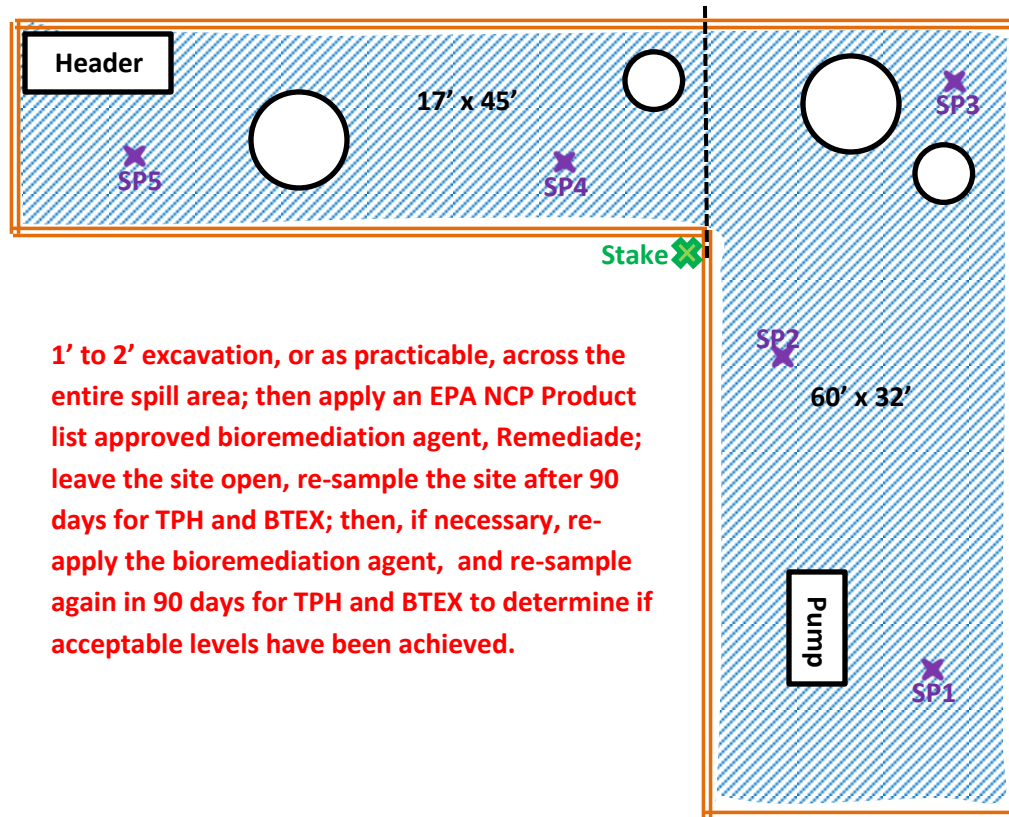
100 ft





Oxy

## Pure Gold A Federal #2 Battery



1' to 2' excavation, or as practicable, across the entire spill area; then apply an EPA NCP Product list approved bioremediation agent, Remediate; leave the site open, re-sample the site after 90 days for TPH and BTEX; then, if necessary, re-apply the bioremediation agent, and re-sample again in 90 days for TPH and BTEX to determine if acceptable levels have been achieved.

U/L M, Section 21, T23S, R31E

Eddy County, NM

N 32.28449° W 103.78993°

API# 30-015-27243

**BBC International, Inc.**

**Oxy**

**Pure Gold A Federal #2 Battery**

Date: 03/18/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



Oxy, Pure Gold A Federal #2 Battery

Sample Points, Hand Auger

SP1, N 32.28438 W-103.78985

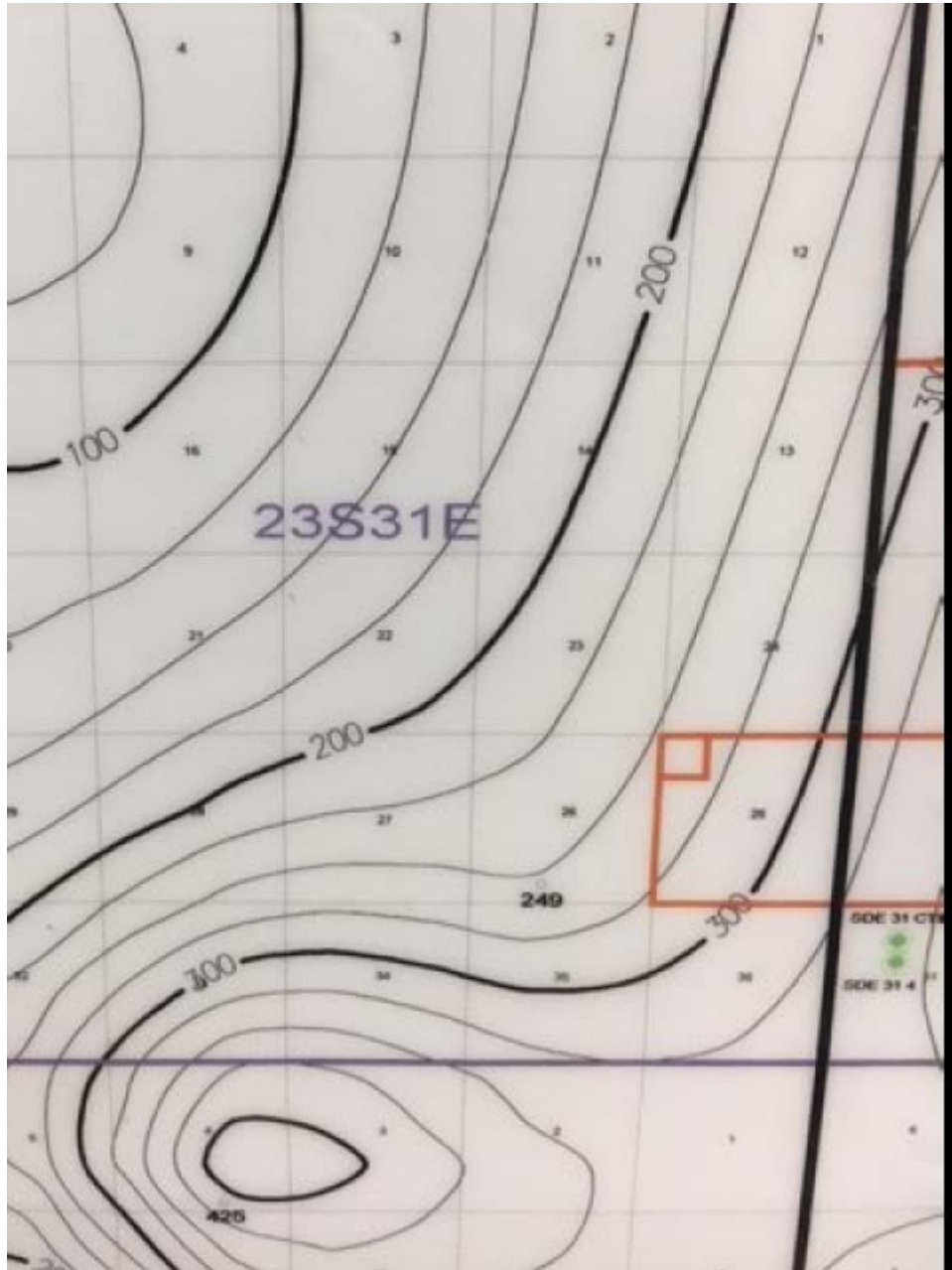
SP2, N 32.28445 W-103.78991

SP3, N 32.28453 W-103.78986

SP4, N 32.28450 W-103.78996

SP5, N 32.28451 W-103.79005

**Oxy, Pure Gold A Federal #2**  
**U/L M, Section 21, T23S, R31E**  
**Groundwater: 150'**







# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C_02954 EXPL</a>			ED	3	1	4	20	23S	31E	613114	3572906*	<input type="text"/>	955	905	

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 614023

**Northing (Y):** 3572613

**Radius:** 1700

\*UTM location was derived from PLSS - see Help

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.

4/25/17 3:17 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Public Land Survey System (PLSS)

Q64:Q16: SWQ4: SWSec: 21Tws: 23SRng: 31E

State Plane Coordinate System - NAD27

X:ftY:ftZone:

State Plane Coordinate System - NAD83

X:ftY:ftZone:

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):614023.0mtrsNorthing (Y):3572613.0mtrs

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





# Groundwater Plot

## Oxy Pure Gold A Federal #2

County  
Eddy

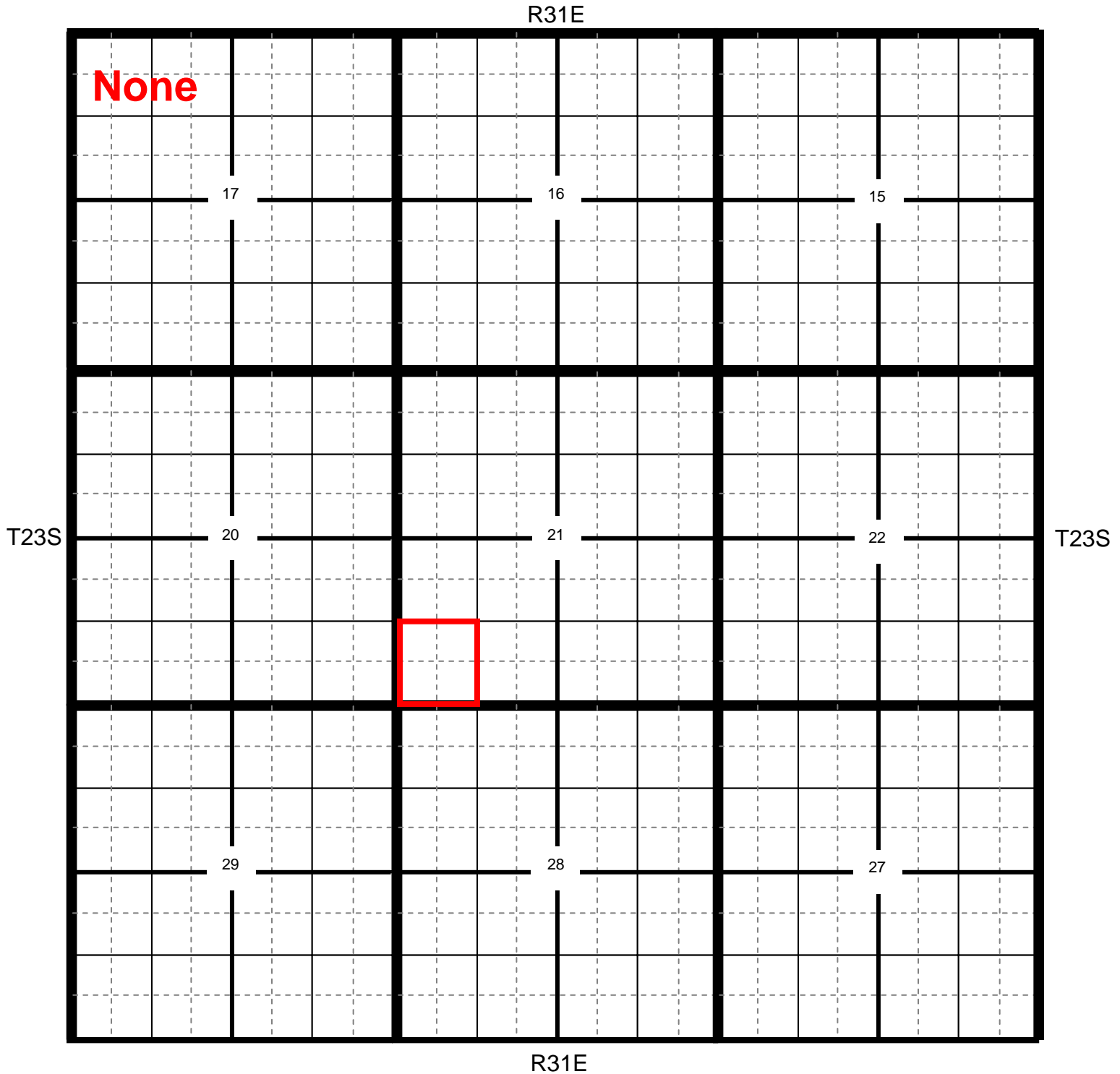
Unit Letter  
M

Section  
21

Township  
23S

Range  
31E

Trend Map 150'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Pure Gold A Federal #2

**County**  
Eddy

**Unit Letter**  
M

## Section 21

**Township**  
**23S**

**Range**  
**31E**

## Trend Map 150'

1

2

NW/NW <b>None</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

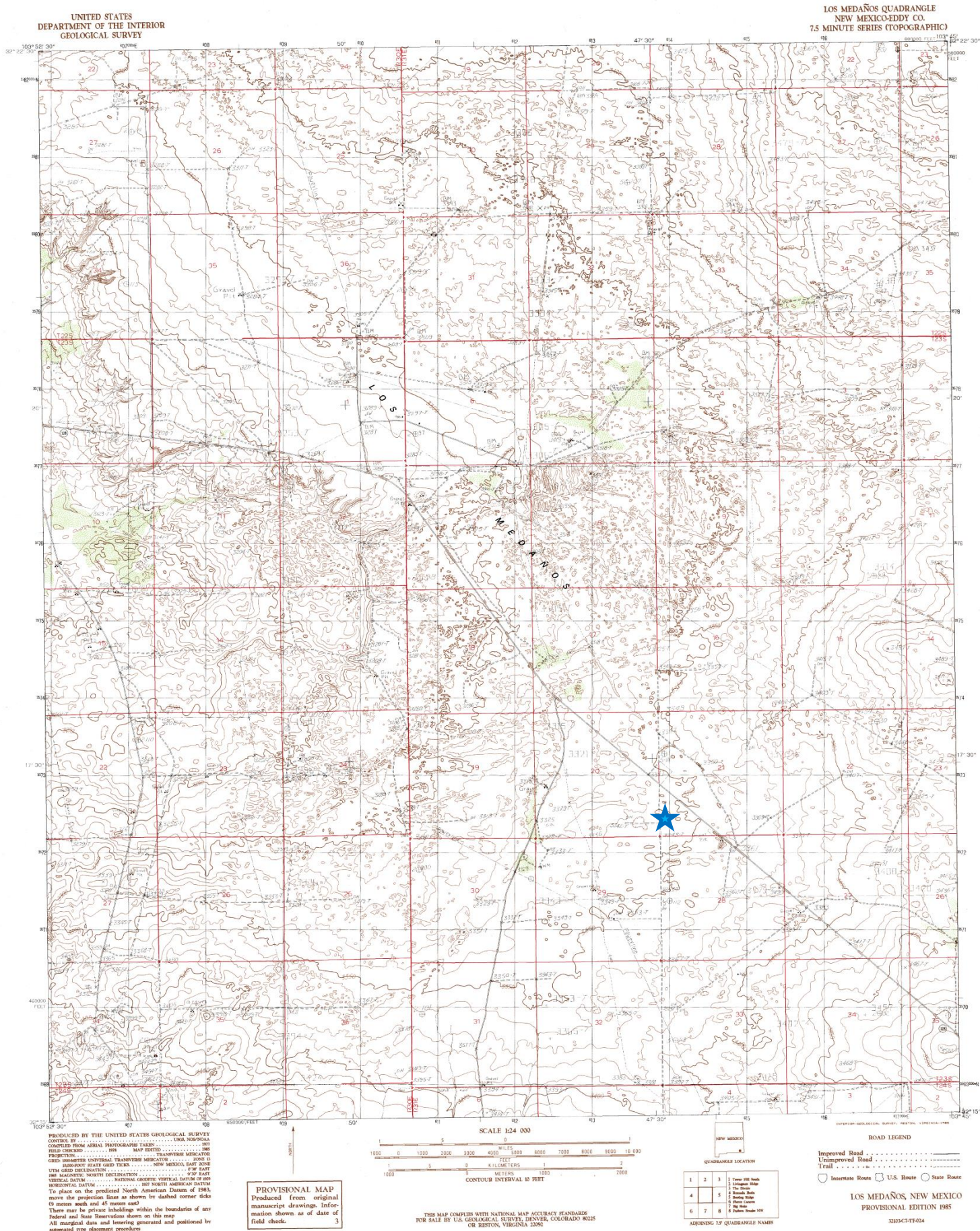
3

4



Oxy

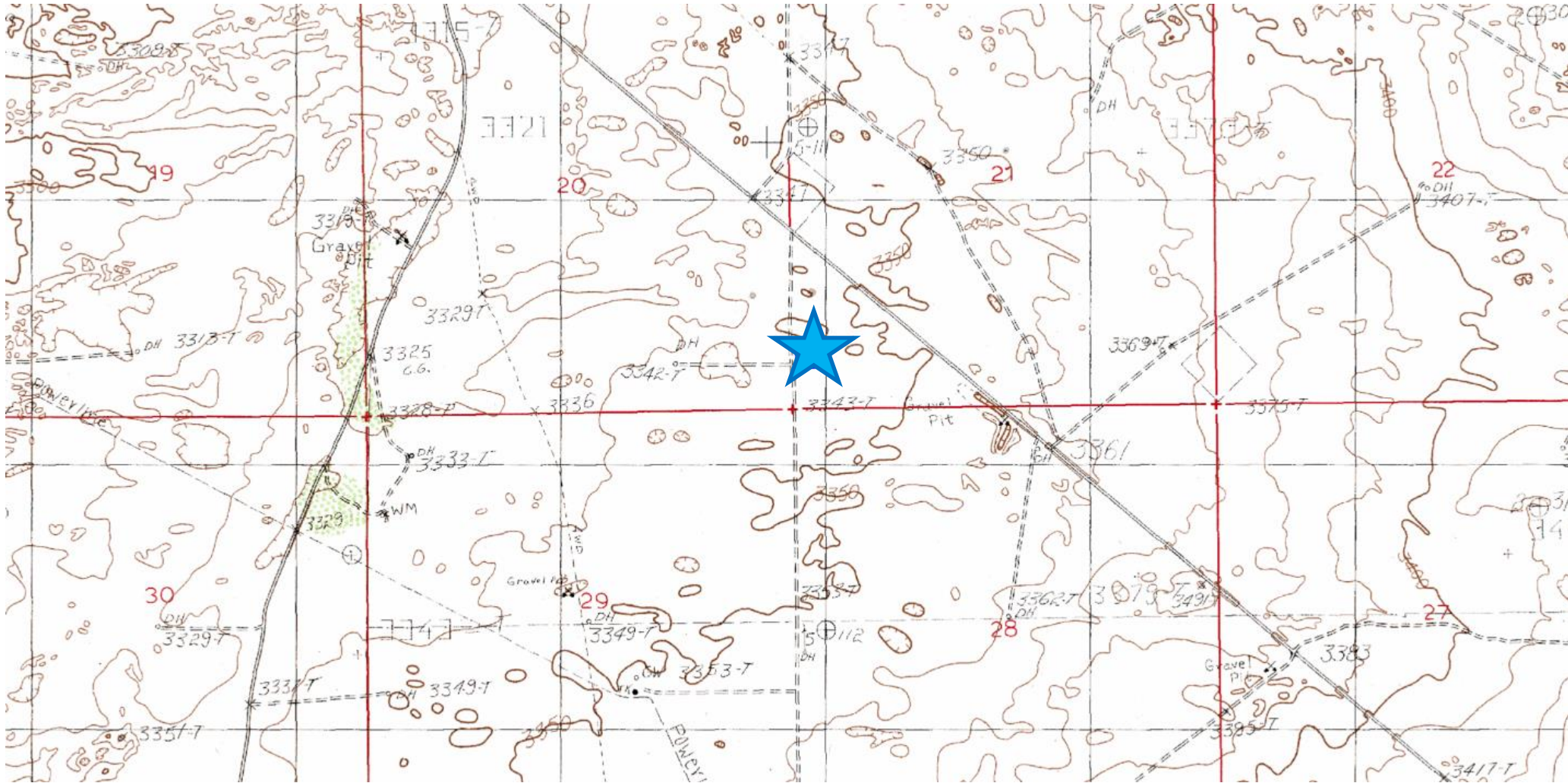
## Pure Gold A Federal #2





Oxy

# Pure Gold A Federal #2



**Laboratory Analytical Results Summary  
Pure Gold A Federal #2 Battery**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'
Analyte	Method	Date	4/6/16	4/6/16	4/6/16	4/6/16	4/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		1.5	3.3	4.2	6.04	<0.200
<b>Toluene</b>	BTEX 8021B		13.9	12.7	14	21.1	0.674
<b>Ethylbenzene</b>	BTEX 8021B		12.4	13	12.3	19.1	1.11
<b>Total Xylenes</b>	BTEX 8021B		36.8	38.8	3805	61.5	3.73
<b>Total BTEX</b>	BTEX 8021B		64.5	67.8	69	108	5.51
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		2660	2370	3120	4440	294
<b>DRO</b>	TPH 8015M		10000	8390	7140	11300	1770

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'
Analyte	Method	Date	4/6/16	4/6/16	4/6/16	4/6/16	4/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		2	1.89	4.57	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		9.3	6.66	17.4	<0.050	0.067
<b>Ethylbenzene</b>	BTEX 8021B		9.58	7.2	15.5	0.055	0.156
<b>Total Xylenes</b>	BTEX 8021B		31.1	22.9	49.1	<0.150	0.518
<b>Total BTEX</b>	BTEX 8021B		52	38.6	86.7	<0.300	0.74
<b>Chloride</b>	SM4500Cl-B		16	16	<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		2340	1530	3620	12.3	19.8
<b>DRO</b>	TPH 8015M		7790	5230	9040	635	391

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'
Analyte	Method	Date	4/6/16	4/6/16	4/6/16	4/6/16	4/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		2.7	5.45	6.64	8.41	<0.100
<b>Toluene</b>	BTEX 8021B		21.6	39.5	41.8	24.3	0.397
<b>Ethylbenzene</b>	BTEX 8021B		18.2	27.8	26.2	18.2	0.689
<b>Total Xylenes</b>	BTEX 8021B		58.4	87.8	83.3	56.4	2.56
<b>Total BTEX</b>	BTEX 8021B		101	161	158	107	3.65
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	32
<b>GRO</b>	TPH 8015M		4100	6250	6180	5000	237
<b>DRO</b>	TPH 8015M		10600	12800	10100	10800	1460

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 5'	SP4 @ 7'
Analyte	Method	Date	4/6/16	4/6/16	4/6/16	4/6/16	4/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<2.00	4.42	23.7	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		12.3	20.5	21.7	<0.050	0.124
<b>Ethylbenzene</b>	BTEX 8021B		11.5	16.1	16.2	0.083	0.218
<b>Total Xylenes</b>	BTEX 8021B		40.2	52.6	51.8	0.303	0.771
<b>Total BTEX</b>	BTEX 8021B		63.9	93.7	92.1	0.386	1.11
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		2890	4010	4720	28.8	42.5
<b>DRO</b>	TPH 8015M		13400	8760	10700	357	385

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 5'	SP5 @ 7'
Analyte	Method	Date	4/6/16	4/6/16	4/6/16	4/6/16	4/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		2.23	2.28	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		18.4	18.1	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		14.1	14.8	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		45.1	45.5	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		79.9	80.7	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	64
<b>GRO</b>	TPH 8015M		2830	3440	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		9300	8200	64.4	42.3	85.6

**Laboratory Analytical Results Summary  
Pure Gold A Federal #2**

		Sample	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	2/8/17	2/8/17	2/8/17
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.100	<0.200
<b>Toluene</b>	BTEX 8021B		<b>0.059</b>	<b>0.231</b>	<0.200
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.100	<0.200
<b>Total Xylenes</b>	BTEX 8021B		<b>0.424</b>	<b>2.82</b>	<b>7.62</b>
<b>Total BTEX</b>	BTEX 8021B		<b>0.483</b>	<b>3.05</b>	<b>7.62</b>
<b>GRO</b>	TPH 8015M		<50.0	<b>185</b>	<b>427</b>
<b>DRO</b>	TPH 8015M		<b>2560</b>	<b>2400</b>	<b>2290</b>

		Sample	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	2/8/17	2/8/17
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.200	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.708</b>	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.200	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>3.97</b>	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>4.68</b>	<0.300
<b>GRO</b>	TPH 8015M		<b>269</b>	<10.0
<b>DRO</b>	TPH 8015M		<b>7480</b>	<b>60.7</b>

		Sample	SP3 @ 2'	SP3 @ 3'	SP3 @ 5'
Analyte	Method	Date	2/8/17	2/8/17	2/8/17
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.200	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.200	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.200	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>0.851</b>	<b>1.92</b>	<b>3.01</b>
<b>Total BTEX</b>	BTEX 8021B		<b>0.851</b>	<b>1.92</b>	<b>3.01</b>
<b>GRO</b>	TPH 8015M		<b>107</b>	<b>493</b>	<b>801</b>
<b>DRO</b>	TPH 8015M		<b>4850</b>	<b>4030</b>	<b>4860</b>

		Sample	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	2/8/17	2/8/17
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.100	<0.100
<b>Toluene</b>	BTEX 8021B		<0.100	<0.100
<b>Ethylbenzene</b>	BTEX 8021B		<0.100	<0.100
<b>Total Xylenes</b>	BTEX 8021B		<b>1.03</b>	<b>0.935</b>
<b>Total BTEX</b>	BTEX 8021B		<b>1.03</b>	<b>0.935</b>
<b>GRO</b>	TPH 8015M		<b>145</b>	<b>169</b>
<b>DRO</b>	TPH 8015M		<b>2530</b>	<b>3470</b>



April 15, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PURE GOLD FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/08/16 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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,



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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H600769-01)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.50</b>	0.500	04/11/2016	ND	2.00	100	2.00	1.28	
<b>Toluene*</b>	<b>13.9</b>	0.500	04/11/2016	ND	1.91	95.3	2.00	0.464	
<b>Ethylbenzene*</b>	<b>12.4</b>	0.500	04/11/2016	ND	1.69	84.3	2.00	0.793	
<b>Total Xylenes*</b>	<b>36.8</b>	1.50	04/11/2016	ND	5.20	86.6	6.00	0.493	
<b>Total BTX</b>	<b>64.5</b>	3.00	04/11/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>2660</b>	50.0	04/12/2016	ND	188	94.2	200	1.08		
<b>DRO &gt;C10-C28</b>	<b>10000</b>	50.0	04/12/2016	ND	173	86.6	200	7.60		

Surrogate: 1-Chlorooctane 197 % 35-147

Surrogate: 1-Chlorooctadecane 223 % 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:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H600769-02)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>3.30</b>	0.500	04/11/2016	ND	2.00	100	2.00	1.28	
<b>Toluene*</b>	<b>12.7</b>	0.500	04/11/2016	ND	1.91	95.3	2.00	0.464	
<b>Ethylbenzene*</b>	<b>13.0</b>	0.500	04/11/2016	ND	1.69	84.3	2.00	0.793	
<b>Total Xylenes*</b>	<b>38.8</b>	1.50	04/11/2016	ND	5.20	86.6	6.00	0.493	
<b>Total BTX</b>	<b>67.8</b>	3.00	04/11/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92	

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	2370	100	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	8390	100	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 141 % 35-147

Surrogate: 1-Chlorooctadecane 192 % 28-171

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\*=Accredited Analyte

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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 3' (H600769-03)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>4.20</b>	2.00	04/12/2016	ND	1.89	94.4	2.00	3.59	QM-07
<b>Toluene*</b>	<b>14.0</b>	2.00	04/12/2016	ND	1.79	89.3	2.00	5.11	QM-07
<b>Ethylbenzene*</b>	<b>12.3</b>	2.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
<b>Total Xylenes*</b>	<b>38.5</b>	6.00	04/12/2016	ND	4.95	82.5	6.00	3.56	
<b>Total BTX</b>	<b>69.0</b>	12.0	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92	

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>3120</b>	100	04/12/2016	ND	188	94.2	200	1.08	
<b>DRO &gt;C10-C28</b>	<b>7140</b>	100	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 133 % 35-147

Surrogate: 1-Chlorooctadecane 157 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 5' (H600769-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.04	2.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	21.1	2.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	19.1	2.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	61.5	6.00	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEX	108	12.0	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92		

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	4440	100	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	11300	100	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 167 % 35-147

Surrogate: 1-Chlorooctadecane 241 % 28-171

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Fax To: (575) 397-0397

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 7' (H600769-05)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	0.674	0.200	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	1.11	0.200	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	3.73	0.600	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTX	5.51	1.20	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.6-140

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	04/12/2016	ND	416	104	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	294	10.0	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	1770	10.0	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 97.8 % 35-147

Surrogate: 1-Chlorooctadecane 96.7 % 28-171

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Fax To: (575) 397-0397

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H600769-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.00	2.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	9.30	2.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	9.58	2.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	31.1	6.00	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEX	52.0	12.0	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92	

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	2340	100	04/12/2016	ND	188	94.2	200	1.08		
DRO >C10-C28	7790	100	04/12/2016	ND	173	86.6	200	7.60		

Surrogate: 1-Chlorooctane 142 % 35-147

Surrogate: 1-Chlorooctadecane 175 % 28-171

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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H600769-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.89	1.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	6.66	1.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	7.20	1.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	22.9	3.00	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTX	38.6	6.00	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.6-140

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	04/12/2016	ND	416	104	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	1530	50.0	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	5230	50.0	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 130 % 35-147

Surrogate: 1-Chlorooctadecane 123 % 28-171

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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3' (H600769-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.57	2.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	17.4	2.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	15.5	2.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	49.1	6.00	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTX	86.7	12.0	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92		

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	3620	100	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	9040	100	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 203 % 35-147

Surrogate: 1-Chlorooctadecane 199 % 28-171

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

Received:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 5' (H600769-09)**

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	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	0.055	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEx	<0.300	0.300	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	04/12/2016	ND	416	104	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	12.3	10.0	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	635	10.0	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 85.0 % 35-147

Surrogate: 1-Chlorooctadecane 112 % 28-171

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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 7' (H600769-10)**

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	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	<b>0.067</b>	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	<b>0.156</b>	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	<b>0.518</b>	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTX	<b>0.740</b>	0.300	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140

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	04/12/2016	ND	416	104	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	<b>19.8</b>	10.0	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	<b>391</b>	10.0	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 89.8 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1' (H600769-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.70	2.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	21.6	2.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	18.2	2.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	58.4	6.00	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEX	101	12.0	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

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	04/12/2016	ND	416	104	400	3.92	

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	4100	100	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	10600	100	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 162 % 35-147

Surrogate: 1-Chlorooctadecane 241 % 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:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: SP 3 @ 2' (H600769-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.45	5.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	39.5	5.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	27.8	5.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	87.8	15.0	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEX	161	30.0	04/12/2016	ND					

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

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	04/12/2016	ND	416	104	400	3.92		

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	6250	200	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	12800	200	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 204 % 35-147

Surrogate: 1-Chlorooctadecane 285 % 28-171

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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 3' (H600769-13)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>6.64</b>	5.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
<b>Toluene*</b>	<b>41.8</b>	5.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
<b>Ethylbenzene*</b>	<b>26.2</b>	5.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
<b>Total Xylenes*</b>	<b>83.3</b>	15.0	04/12/2016	ND	4.95	82.5	6.00	3.56	
<b>Total BTX</b>	<b>158</b>	30.0	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>6180</b>	200	04/12/2016	ND	188	94.2	200	1.08		
<b>DRO &gt;C10-C28</b>	<b>10100</b>	200	04/12/2016	ND	173	86.6	200	7.60		

Surrogate: 1-Chlorooctane 178 % 35-147

Surrogate: 1-Chlorooctadecane 224 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 5' (H600769-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.41	5.00	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	24.3	5.00	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	18.2	5.00	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	56.4	15.0	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEx	107	30.0	04/12/2016	ND					

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

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	04/12/2016	ND	416	104	400	7.41		

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	5000	200	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	10800	200	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 162 % 35-147

Surrogate: 1-Chlorooctadecane 244 % 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:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 7' (H600769-15)**

BTX 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	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	0.397	0.100	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	0.689	0.100	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	2.56	0.300	04/13/2016	ND	5.02	83.7	6.00	0.676	QM-07
Total BTX	3.65	0.600	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	237	10.0	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	1460	10.0	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 98.5 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 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:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ 1' (H600769-16)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	04/13/2016	ND	1.91	95.7	2.00	1.34	
<b>Toluene*</b>	<b>12.3</b>	2.00	04/13/2016	ND	1.81	90.5	2.00	0.391	
<b>Ethylbenzene*</b>	<b>11.5</b>	2.00	04/13/2016	ND	1.62	81.1	2.00	0.716	
<b>Total Xylenes*</b>	<b>40.2</b>	6.00	04/13/2016	ND	5.02	83.7	6.00	0.676	
<b>Total BTX</b>	<b>63.9</b>	12.0	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

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	2890	200	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	13400	200	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 160 % 35-147

Surrogate: 1-Chlorooctadecane 325 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 2' (H600769-17)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.42	2.00	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	20.5	2.00	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	16.1	2.00	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	52.6	6.00	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTX	93.7	12.0	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

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	4010	200	04/12/2016	ND	188	94.2	200	1.08	
DRO >C10-C28	8760	200	04/12/2016	ND	173	86.6	200	7.60	

Surrogate: 1-Chlorooctane 152 % 35-147

Surrogate: 1-Chlorooctadecane 206 % 28-171

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

Received: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 3' (H600769-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.37	2.00	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	21.7	2.00	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	16.2	2.00	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	51.8	6.00	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTEX	92.1	12.0	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

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	4720	200	04/12/2016	ND	192	96.0	200	3.77	QM-07
DRO >C10-C28	10700	200	04/12/2016	ND	210	105	200	8.25	QM-07

Surrogate: 1-Chlorooctane 225 % 35-147

Surrogate: 1-Chlorooctadecane 496 % 28-171

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

Received:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ 5' (H600769-19)**

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	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	<0.050	0.050	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	0.083	0.050	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	0.303	0.150	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTX	0.386	0.300	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	28.8	10.0	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	357	10.0	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 79.7 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 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:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ 7' (H600769-20)**

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	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	0.124	0.050	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	0.218	0.050	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	0.771	0.150	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTX	1.11	0.300	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	42.5	10.0	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	385	10.0	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 84.6 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 1' (H600769-21)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.23	2.00	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	18.4	2.00	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	14.1	2.00	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	45.1	6.00	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTX	79.9	12.0	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

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	2830	200	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	9300	200	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 136 % 35-147

Surrogate: 1-Chlorooctadecane 221 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 2' (H600769-22)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.28	2.00	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	18.1	2.00	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	14.8	2.00	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	45.5	6.00	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTEX	80.7	12.0	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

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	3440	200	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	8200	200	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 132 % 35-147

Surrogate: 1-Chlorooctadecane 199 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 3' (H600769-23)**

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	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	<0.050	0.050	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	<0.050	0.050	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	<0.150	0.150	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTEx	<0.300	0.300	04/13/2016	ND					

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

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	04/12/2016	ND	416	104	400	7.41	

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	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	64.4	10.0	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 88.5 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 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: 04/08/2016  
Reported: 04/15/2016  
Project Name: PURE GOLD FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/06/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 5' (H600769-24)**

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	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	<0.050	0.050	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	<0.050	0.050	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	<0.150	0.150	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTEx	<0.300	0.300	04/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

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	04/12/2016	ND	416	104	400	7.41	

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	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	42.3	10.0	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 85.3 % 35-147

Surrogate: 1-Chlorooctadecane 99.5 % 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:	04/08/2016	Sampling Date:	04/06/2016
Reported:	04/15/2016	Sampling Type:	Soil
Project Name:	PURE GOLD FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 5 @ 7' (H600769-25)**

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	04/13/2016	ND	1.91	95.7	2.00	1.34	
Toluene*	<0.050	0.050	04/13/2016	ND	1.81	90.5	2.00	0.391	
Ethylbenzene*	<0.050	0.050	04/13/2016	ND	1.62	81.1	2.00	0.716	
Total Xylenes*	<0.150	0.150	04/13/2016	ND	5.02	83.7	6.00	0.676	
Total BTEx	<0.300	0.300	04/13/2016	ND					

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

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	04/12/2016	ND	416	104	400	7.41	

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	04/12/2016	ND	192	96.0	200	3.77	
DRO >C10-C28	85.6	10.0	04/12/2016	ND	210	105	200	8.25	

Surrogate: 1-Chlorooctane 89.1 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

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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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
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



# ORDINAL 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.						BILL TO								ANALYSIS REQUEST														
Project Manager: Cliff Brunson						P.O. #:																						
Address: P.O. Box 805						Company:																						
City: Hobbs						Attn:																						
State: NM Zip: 88241						Address:																						
Phone #: 575-397-6388 Fax #: 575-397-0397						City:																						
Project #:						State:																						
Project Location: Pine Cold Fed 2						Zip:																						
Sample Name: Pine Emerald						Fax #:																						
FOR LAB USE ONLY						MATRIX																						
Lab I.D.						PRESERV																						
Sample I.D.						SAMPLING																						
(G)RAB OR (C)OMP.																												
# CONTAINERS																												
GROUNDWATER																												
WASTEWATER																												
SOIL																												
OIL																												
SLUDGE																												
OTHER :																												
ACID/BASE:																												
ICE / COOL																												
OTHER :																												
DATE						TIME																						
H1607169						4/6/6								815								CL						
1						4/6/6								820								TPH						
2						4/6/6								850								BTX						
3						4/6/6								920														
4						4/6/6								955														
5						4/6/6								1045														
6						4/6/6								1055														
7						4/6/6								1110														
8						4/6/6								1145														
9						4/6/6								1215														
10						4/6/6																						
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Relinquished By:						Date: 4/18/6								Received By: Aceli Brunson														
Time: 930																												
Date: 930																												
Time:																												
Delivered By: (Circle One)						Sample Condition								CHECKED BY: (initials)														
Cool Intact																												
Yes Yes																												
No No																												
Sampler - UPS - Bus - Other:																												
Cardinal = D.440																												
Cardinal = 8.30c																												
REMARKS:																												











February 19, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PURE GOLD A FED #2

Enclosed are the results of analyses for samples received by the laboratory on 02/14/17 10:35.

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,



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: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ 2' (H700373-01)**

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	02/17/2017	ND	2.01	100	2.00	0.801	
<b>Toluene*</b>	<b>0.059</b>	0.050	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.050	0.050	02/17/2017	ND	1.92	95.8	2.00	1.11	
<b>Total Xylenes*</b>	<b>0.424</b>	0.150	02/17/2017	ND	5.47	91.2	6.00	1.14	
<b>Total BTEX</b>	<b>0.483</b>	0.300	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	<50.0	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>2560</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 59.7 % 35-147

Surrogate: 1-Chlorooctadecane 137 % 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: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ 3' (H700373-02)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/17/2017	ND	2.01	100	2.00	0.801	
<b>Toluene*</b>	<b>0.231</b>	0.100	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.100	0.100	02/17/2017	ND	1.92	95.8	2.00	1.11	
<b>Total Xylenes*</b>	<b>2.82</b>	0.300	02/17/2017	ND	5.47	91.2	6.00	1.14	
<b>Total BTX</b>	<b>3.05</b>	0.600	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 169 % 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>185</b>	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>2400</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 87.4 % 35-147

Surrogate: 1-Chlorooctadecane 139 % 28-171

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Received: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ 5' (H700373-03)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/17/2017	ND	2.01	100	2.00	0.801	
Toluene*	<0.200	0.200	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.200	0.200	02/17/2017	ND	1.92	95.8	2.00	1.11	
<b>Total Xylenes*</b>	<b>7.62</b>	0.600	02/17/2017	ND	5.47	91.2	6.00	1.14	
<b>Total BTX</b>	<b>7.62</b>	1.20	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 148 % 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>427</b>	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>2290</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 88.5 % 35-147

Surrogate: 1-Chlorooctadecane 120 % 28-171

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

Received: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 @ 2' (H700373-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/17/2017	ND	2.01	100	2.00	0.801	
<b>Toluene*</b>	<b>0.708</b>	0.200	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.200	0.200	02/17/2017	ND	1.92	95.8	2.00	1.11	
<b>Total Xylenes*</b>	<b>3.97</b>	0.600	02/17/2017	ND	5.47	91.2	6.00	1.14	
<b>Total BTEX</b>	<b>4.68</b>	1.20	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>269</b>	50.0	02/16/2017	ND	186	93.2	200	2.60		
<b>DRO &gt;C10-C28</b>	<b>7480</b>	50.0	02/16/2017	ND	201	101	200	1.45		

Surrogate: 1-Chlorooctane 110 % 35-147

Surrogate: 1-Chlorooctadecane 230 % 28-171

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

Received:	02/14/2017	Sampling Date:	02/08/2017
Reported:	02/19/2017	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP2 @ 3' (H700373-05)**

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	02/17/2017	ND	2.01	100	2.00	0.801	
Toluene*	<0.050	0.050	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.050	0.050	02/17/2017	ND	1.92	95.8	2.00	1.11	
Total Xylenes*	<0.150	0.150	02/17/2017	ND	5.47	91.2	6.00	1.14	
Total BTEX	<0.300	0.300	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	02/16/2017	ND	186	93.2	200	2.60	
DRO >C10-C28	60.7	10.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 90.4 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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

Received: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP3 @ 2' (H700373-06)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2017	ND	2.01	100	2.00	0.801	
Toluene*	<0.050	0.050	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.050	0.050	02/17/2017	ND	1.92	95.8	2.00	1.11	
<b>Total Xylenes*</b>	<b>0.851</b>	0.150	02/17/2017	ND	5.47	91.2	6.00	1.14	
<b>Total BTEX</b>	<b>0.851</b>	0.300	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 142 % 73.6-140

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>107</b>	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>4850</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 199 % 28-171

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

Received: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP3 @ 3' (H700373-07)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/17/2017	ND	2.01	100	2.00	0.801	
Toluene*	<0.200	0.200	02/17/2017	ND	1.89	94.6	2.00	1.27	
Ethylbenzene*	<0.200	0.200	02/17/2017	ND	1.92	95.8	2.00	1.11	
<b>Total Xylenes*</b>	<b>1.92</b>	0.600	02/17/2017	ND	5.47	91.2	6.00	1.14	
<b>Total BTEx</b>	<b>1.92</b>	1.20	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 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>493</b>	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>4030</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 114 % 35-147

Surrogate: 1-Chlorooctadecane 167 % 28-171

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Fax To: (575) 397-0397

Received: 02/14/2017  
Reported: 02/19/2017  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP3 @ 5' (H700373-08)**

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	02/17/2017	ND	1.94	96.9	2.00	1.83	
Toluene*	<0.500	0.500	02/17/2017	ND	1.82	91.0	2.00	2.29	QM-07
Ethylbenzene*	<0.500	0.500	02/17/2017	ND	1.83	91.4	2.00	2.10	QM-07
<b>Total Xylenes*</b>	<b>3.01</b>	1.50	02/17/2017	ND	5.21	86.9	6.00	2.30	
<b>Total BTEx</b>	<b>3.01</b>	3.00	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 73.6-140

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	801	50.0	02/16/2017	ND	186	93.2	200	2.60	
DRO >C10-C28	4860	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 128 % 35-147

Surrogate: 1-Chlorooctadecane 174 % 28-171

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

Received:	02/14/2017	Sampling Date:	02/08/2017
Reported:	02/19/2017	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP4 @ 2' (H700373-09)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/17/2017	ND	1.94	96.9	2.00	1.83	
Toluene*	<0.100	0.100	02/17/2017	ND	1.82	91.0	2.00	2.29	
Ethylbenzene*	<0.100	0.100	02/17/2017	ND	1.83	91.4	2.00	2.10	
<b>Total Xylenes*</b>	<b>1.03</b>	0.300	02/17/2017	ND	5.21	86.9	6.00	2.30	
<b>Total BTX</b>	<b>1.03</b>	0.600	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 158 % 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>145</b>	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>2530</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 91.1 % 35-147

Surrogate: 1-Chlorooctadecane 150 % 28-171

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 Fax To: (575) 397-0397

Received:	02/14/2017	Sampling Date:	02/08/2017
Reported:	02/19/2017	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP4 @ 3' (H700373-10)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/17/2017	ND	1.94	96.9	2.00	1.83	
Toluene*	<0.100	0.100	02/17/2017	ND	1.82	91.0	2.00	2.29	
Ethylbenzene*	<0.100	0.100	02/17/2017	ND	1.83	91.4	2.00	2.10	
<b>Total Xylenes*</b>	<b>0.935</b>	0.300	02/17/2017	ND	5.21	86.9	6.00	2.30	
<b>Total BTX</b>	<b>0.935</b>	0.600	02/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 159 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>169</b>	50.0	02/16/2017	ND	186	93.2	200	2.60	
<b>DRO &gt;C10-C28</b>	<b>3470</b>	50.0	02/16/2017	ND	201	101	200	1.45	

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 176 % 28-171

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### 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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

1 of 1

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
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REMARKS:			

## Kathy Purvis

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**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Friday, April 29, 2016 8:25 AM  
**To:** Cliff Brunson  
**Cc:** Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Tucker, Shelly  
**Subject:** RE: OXY - Pure Gold A Federal #2 Battery - Remediation Plan

RE: OXY USA \* Pure Gold A Fed 2 \* 30-015-27243 \* **2RP-3623** \* DOR: 3/6/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please provide OCD with analytical data from the 90 day sampling event. If after 180 days of the proposed bioremediation, RRAL's for the site are not met, an alternative method of remediation may be required. Please notify the District 2 office once remedial activities have been scheduled. Federal sites will require like approval from BLM.

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.

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

Mike Bratcher  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
O: 575-748-1283 X108  
C: 575-626-0857  
F: 575-748-9720

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Thursday, April 21, 2016 8:00 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; [Jennifer\\_Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.com); Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY - Pure Gold A Federal #2 Battery - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Pure Gold A Federal #2 Battery release. 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](mailto:cbrunson@bbcinternational.com)  
\*\*\*\*\*

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No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2015.0.6189 / Virus Database: 4563/12129 - Release Date: 04/29/16

No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2015.0.6189 / Virus Database: 4563/12129 - Release Date: 04/29/16

## Kathy Purvis

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**From:** Tucker, Shelly <stucker@blm.gov>  
**Sent:** Monday, June 13, 2016 3:13 PM  
**To:** Cliff Brunson  
**Cc:** Casey Summers; Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: FW: OXY - Pure Gold A Federal #2 Battery - Remediation Plan

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  
Bureau of Land Management

620 E. Greene St  
Carlsbad, NM 88220

575.234.5905 - Direct  
575.361.0084 - Cellular

[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 Tue, May 3, 2016 at 5:01 PM, Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:

Shelly,

I have attached a remediation plan for the Oxy Pure Gold A Federal #2 Battery release. This plan has been approved by Mike Bratcher of the NMOCD. Oxy is requesting the BLM's approval of this plan as well. Upon your review of the materials, it would be appreciated if you would respond via email with the 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

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Hobbs, NM 88241-0805 USA

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E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

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**Cc:** Patterson, Heather, EMNRD <[Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us)>; Casey Summers <[Casey\\_Summers@oxy.com](mailto:Casey_Summers@oxy.com)>; Dusty Wilson <[dusty\\_wilson@oxy.com](mailto:dusty_wilson@oxy.com)>; [Jennifer\\_Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.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)>; Tucker, Shelly <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Subject:** RE: OXY - Pure Gold A Federal #2 Battery - Remediation Plan

RE: OXY USA \* Pure Gold A Fed 2 \* 30-015-27243 \* **2RP-3623** \* DOR: 3/6/16

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