

# Closure Report

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NOV 08 2013

**INMOCD ARTECHA**

## 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 32.28428° W 103.79005°

## Release Data

Date of Release:	02/08/2013 and 03/05/2013
Type of Release:	Leak 1- Oil and produced water, Leak 2- Oil
Source of Release:	Leak 1- Flex coupling broke, Leak 2- Tank overflow
Volume of Release:	Leak 1- 15 bbls water, 0.5 bbls oil; Leak 2 - 15 bbls oil
Volume Recovered:	Leak 1- 7bbls, Leak 2- 0 bbls

## Remediation Specifications

Remediation Parameters:	Excavate the entire leak area inside the firewall to a depth of 2 feet. Obtain bottom samples. Backfill the excavation area with clean soil.
Remediation Activities:	10/10/2013 to 11/01/2013

Plan Sent to OCD:	09/21/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	10/04/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	09/21/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	09/23/2013	Email from J. Van Curen to Cliff Brunson

## Supporting Documentation

Initial C-141	Both Signed 03/12/2013
Final C-141	Both Signed 11/05/2013
Site Diagram	February 2013 and March 2013
Groundwater Plot	150'
TOPO Maps	March 2013
Lab Summary	02/26/2013, 03/27/2013-03/28/2013, and 10/17/2013
Lab Analysis	02/26/2013, 03/27/2013-03/28/2013, and 10/17/2013
Correspondence	Request and approval of remediation plan via email

## Request for Closure

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

Cliff Brunson, President of BBC International Inc.

11/06/2013

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1501 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brizos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Pure Gold A Federal #2 Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	NM 38464

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 32.28428° Longitude W 103.79005

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	15 bbls water and 0.5 bbls skim oil	Volume Recovered	7 bbls
Source of Release	Flex Coupling broke on water transfer pump	Date and Hour of Occurrence	2/08/13	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD; James Amos & Jennifer Van Curen- BLM		
By Whom?	Chancey Summers	Date and Hour	2/11/13 @ 7:29 am		
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.*	<b>RECEIVED</b> NOV 08 2013
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Describe Cause of Problem and Remedial Action Taken.*	<b>NMOCD ARTESIA</b>
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Flex coupling on a water transfer pump broke and caused 15 bbls of water and 0.5 bbl of skim oil to leak onto the ground. 7 bbls of fluid were recovered via vacuum truck. The coupling was repaired.

Describe Area Affected and Cleanup Action Taken.\*

Flex coupling on a water transfer pump broke and caused 15 bbls of water and 0.5 bbl of skim oil to leak onto the ground. 7 bbls of fluid were recovered via vacuum truck. The coupling was repaired. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-12-13	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary

①

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Release Notification and Corrective Action

OPERATOR

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Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Pure Gold A Federal #2 Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	NM 38464

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	660	South	330	West	Eddy

Latitude N 32.28428° Longitude W 103.79005

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	15 bbls	Volume Recovered	0 bbls
Source of Release	Tank overflow	Date and Hour of Occurrence	3/5/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD; James Amos & Jennifer Van Curen- BLM		
By Whom?	Chancey Summers	Date and Hour	3/6/13 @ 8:40 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

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NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The loss of gas caused a tank overflow spilling 15 bbls of oil onto the ground. No fluids were recovered and the source of the release was corrected.

Describe Area Affected and Cleanup Action Taken.\*

The area affected is approximately 40' x 90'. The loss of gas caused a tank overflow spilling 15 bbls of oil onto the ground. No fluids were recovered and the source of the release was corrected. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

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**Release Notification and Corrective Action**

**OPERATOR**

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Facility Name	Pure Gold A Federal #2 Battery	Facility Type	Gathering

Surface Owner	BLM	Mineral Owner		Lease No.	NM 38464
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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
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Latitude N 32.28428° Longitude W 103.79005

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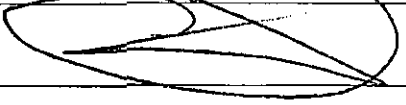
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Date:	11/5/13			Phone:	(575) 397-8216

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2RP-1588

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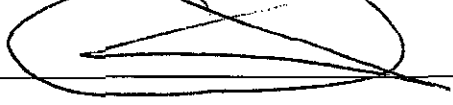
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Date: 11/5/13 Phone: (575) 397-8216		Attached <input type="checkbox"/>	

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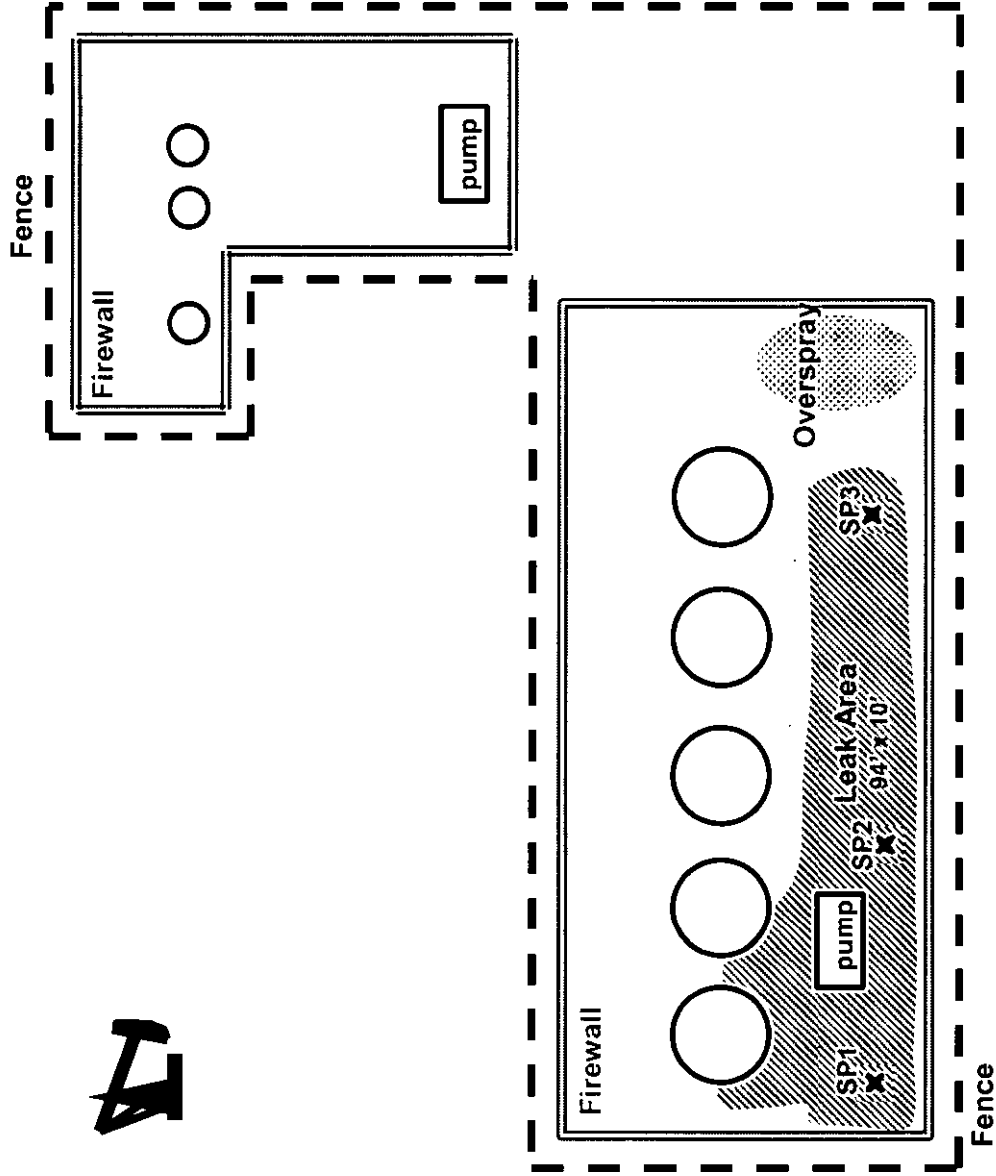
2RP-1585

②



Oxy

# Pure Gold A Federal #2 Battery



U/L M, Section 21, T23S, R31E  
660' FSL and 330' FWL  
Eddy County, NM  
N 32.28436° W 103.79001°  
API# 30-015-27243

BBC International, Inc.

Oxy

Pure Gold A Federal #2 Battery

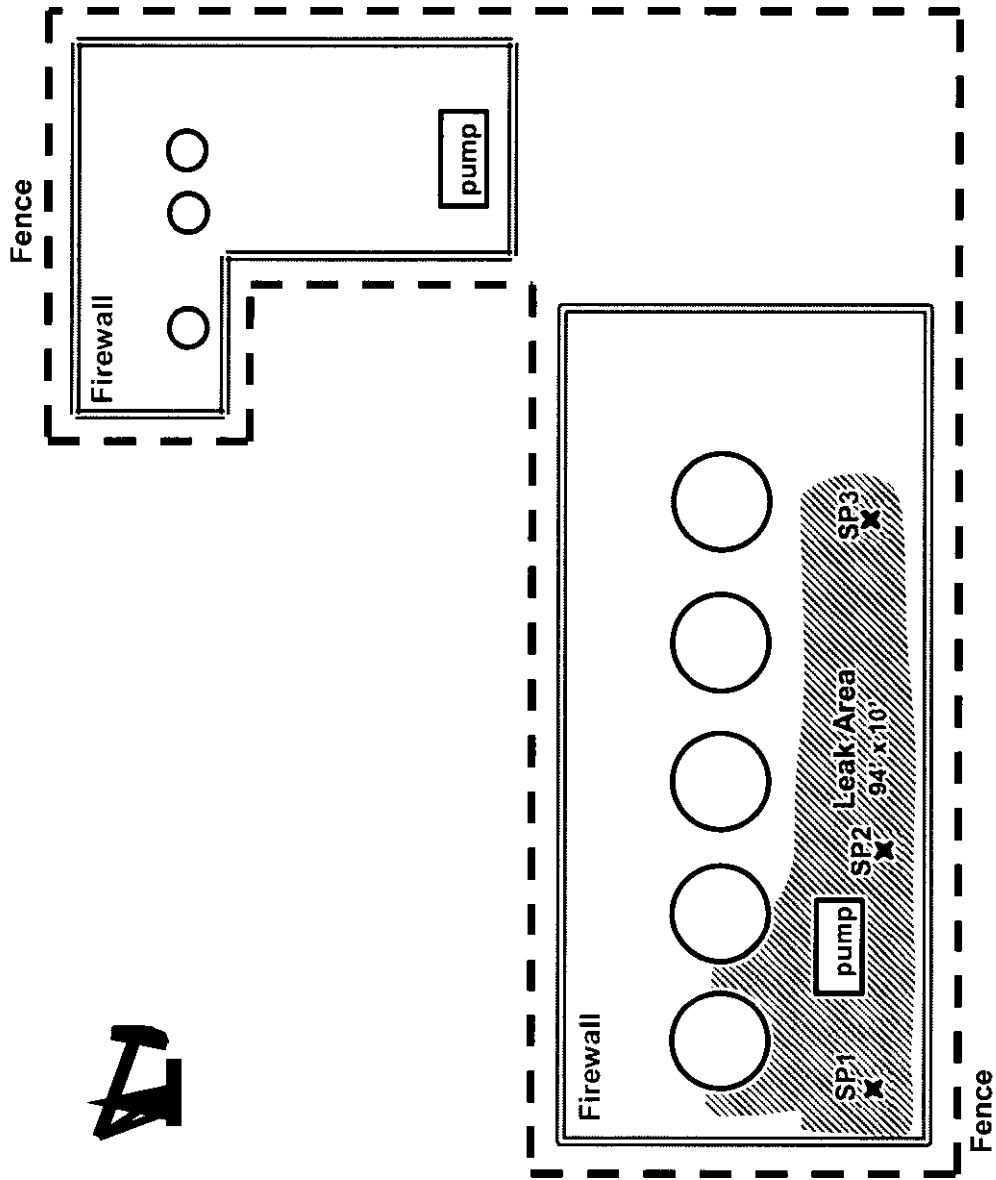
Date: 02/13/2013 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2013

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Oxy

Pure Gold A Federal #2 Battery



U/L M, Section 21, T23S, R31E  
 660' FSL and 330' FWL  
 Eddy County, NM  
 N 32.28436° W 103.79001°  
 API# 30-015-27243

BBC International, Inc.

Oxy

Pure Gold A Federal #2 Battery

Date: 03/27/2013 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2013



# Groundwater Plot

## Oxy Pure Gold A Federal #2

County  
Eddy

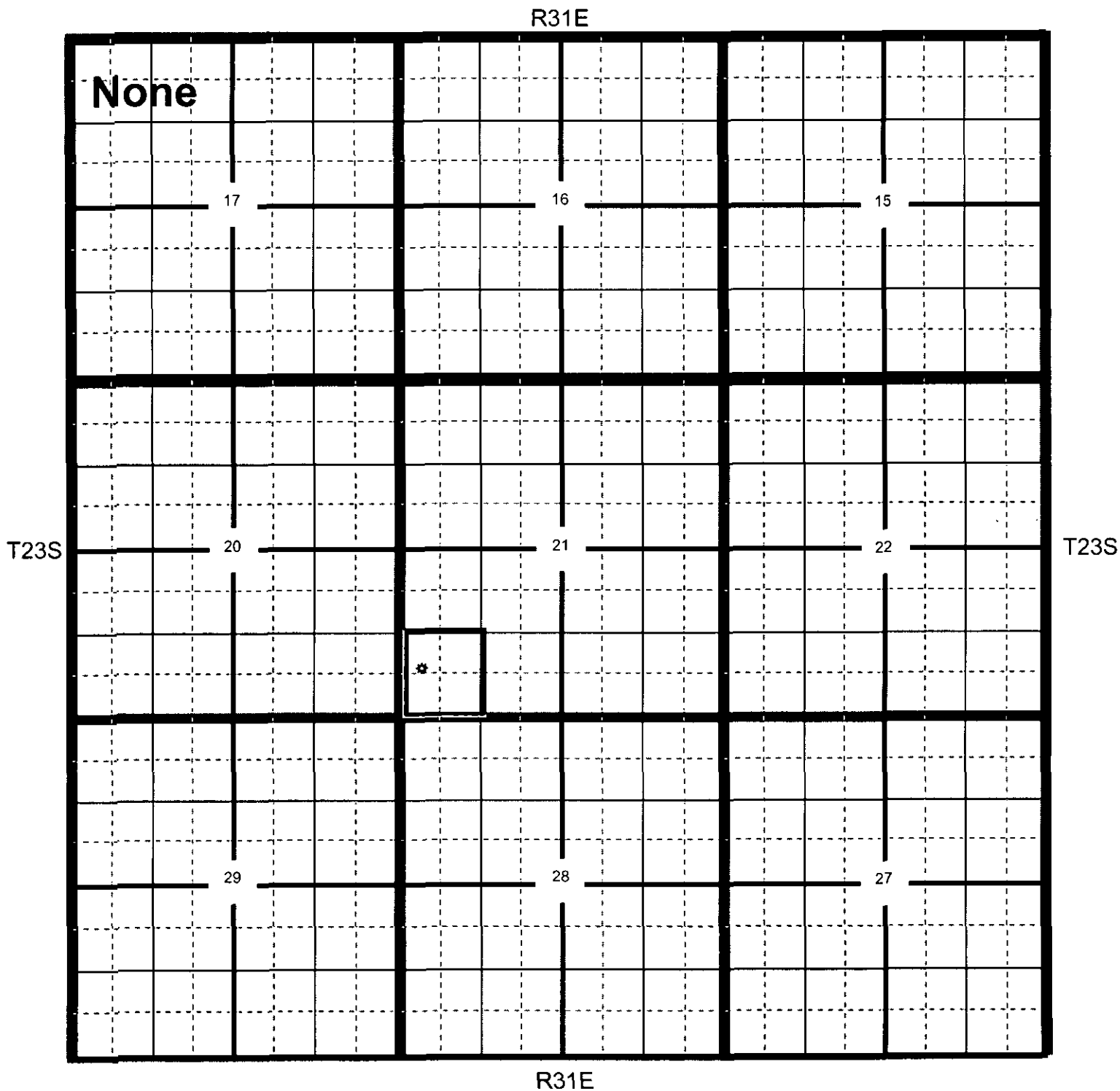
Unit Letter  
M

Section  
21

Township  
23S

Range  
31E

Trend Map 150'



★ Location

● OCD

● USGS

● SEO

● All Databases



# Oxy Pure Gold A Federal #2 Battery

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

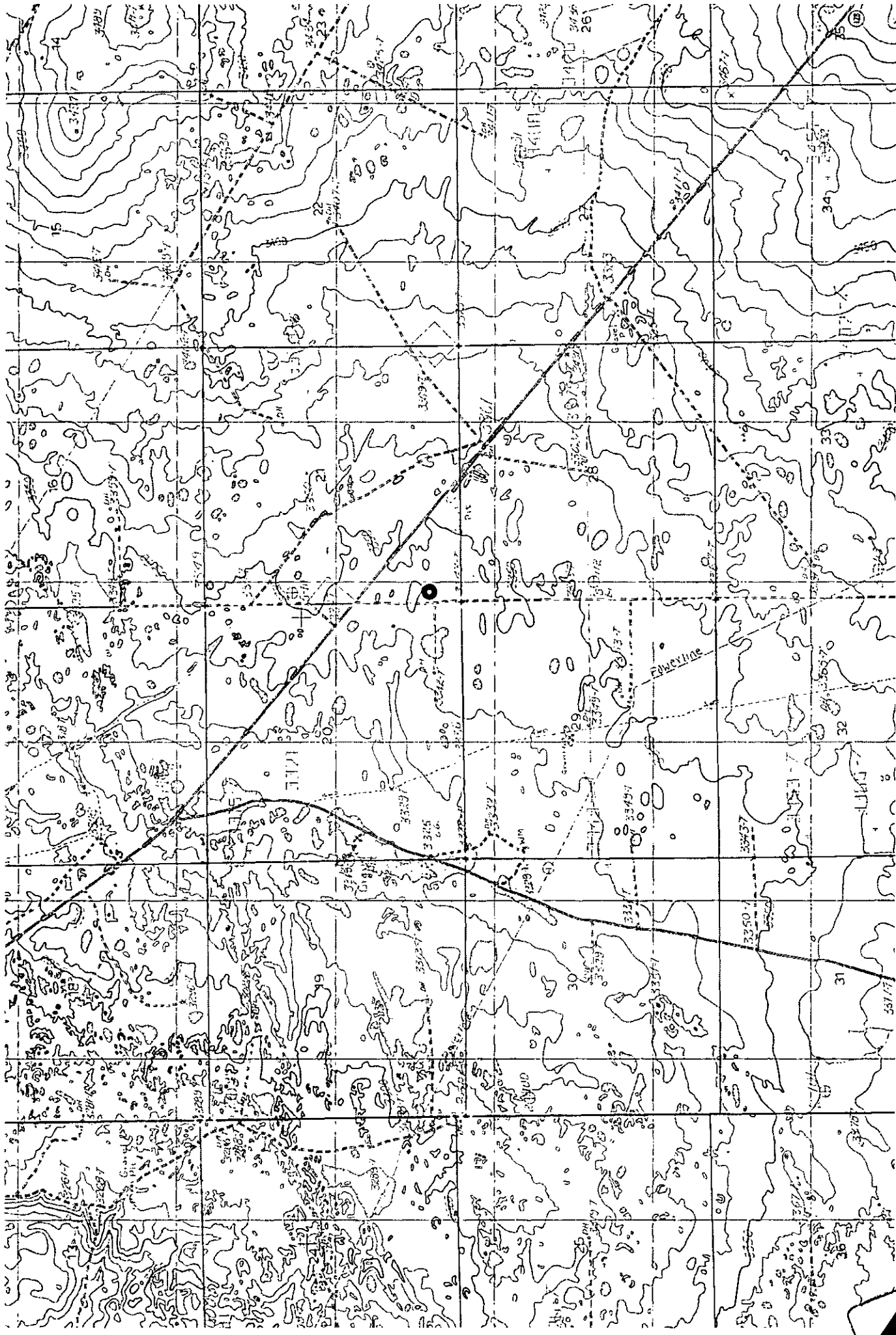
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# Oxy

## Pure Gold A Federal #2 Battery



Laboratory Analytical Results Summary  
Pure Gold A Federal #2

Analyte	Method	Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
		Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.46	n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		16.9	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.7	n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		51.9	n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		89	n/a	<0.300	n/a	n/a
Chloride	SM4500Cl-B		816	7040	336	80	144
GRO	TPH 8015M		3600	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		25400	n/a	18.6	n/a	n/a

Analyte	Method	Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
		Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.05	n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		16.1	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.6	n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		46	n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		81.7	n/a	<0.300	n/a	n/a
Chloride	SM4500Cl-B		1280	6480	400	80	144
GRO	TPH 8015M		3120	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		22700	n/a	18.3	n/a	n/a

Analyte	Method	Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
		Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.78	n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		12.8	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		12.8	n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		34.3	n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		62.7	n/a	<0.300	n/a	n/a
Chloride	SM4500Cl-B		864	7120	416	96	144
GRO	TPH 8015M		3620	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		26300	n/a	26.4	n/a	n/a

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

Analyte	Method	Sample	SP1 @ 1	SP1 @ 2	SP1 @ 3	SP1 @ 5	SP1 @ 7	SP1 @ 9
		Date	3/27/13	3/27/13	3/27/13	3/27/13	3/28/13	3/28/13
Benzene	BTEX 8021B		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
			2.97	<0.050	<0.050	0.177	<0.050	<0.050
Toluene	BTEX 8021B		13.6	0.106	0.066	1.95	<0.050	<0.050
Ethylbenzene	BTEX 8021B		14.5	0.122	0.395	4.6	0.204	<0.050
Total Xylenes	BTEX 8021B		41.3	0.35	0.896	11.8	0.492	<0.150
Total BTEX	BTEX 8021B		72.3	0.578	1.36	18.6	0.696	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		4710	<10.0	80.5	751	<50.0	<10.0
DRO	TPH 8015M		12000	26.6	1140	4760	892	101

Analyte	Method	Sample	SP2 @ 1	SP2 @ 2	SP2 @ 3	SP2 @ 5	SP2 @ 7	SP2 @ 9
		Date	3/27/13	3/27/13	3/27/13	3/27/13	3/28/13	3/28/13
Benzene	BTEX 8021B		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
			2.21	<0.050	<0.050	0.452	<0.050	<0.050
Toluene	BTEX 8021B		15.1	0.117	0.404	1.82	<0.050	<0.050
Ethylbenzene	BTEX 8021B		19.4	0.144	1.09	3.72	0.062	<0.050
Total Xylenes	BTEX 8021B		53.9	0.406	2.67	9.07	0.177	<0.150
Total BTEX	BTEX 8021B		90.6	0.667	4.16	15.1	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		3910	<10.0	337	583	<50.0	<10.0
DRO	TPH 8015M		11300	268	2300	3960	530	101

Analyte	Method	Sample	SP3 @ 1	SP3 @ 2	SP3 @ 3	SP3 @ 5	SP3 @ 7	SP3 @ 9
		Date	3/27/13	3/27/13	3/27/13	3/27/13	3/28/13	3/28/13
Benzene	BTEX 8021B		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
			3.82	<0.050	<0.050	0.104	<0.050	<0.050
Toluene	BTEX 8021B		16.4	0.184	0.054	1.1	<0.050	<0.050
Ethylbenzene	BTEX 8021B		19.1	0.194	0.159	2.71	0.068	<0.050
Total Xylenes	BTEX 8021B		51.1	0.528	0.434	6.07	0.169	<0.150
Total BTEX	BTEX 8021B		90.4	0.905	0.647	9.98	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		4210	<10.0	70.7	329	<10.0	<10.0
DRO	TPH 8015M		11600	266	889	2460	462	71.1

Laboratory Analytical Results Summary  
Pure Gold A Federal #2

Analyte	Method	SP1 @ BOTTOM	
		Sample Date	10/7/13 mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	SP2 @ BOTTOM	
		Sample Date	10/7/13 mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	SP3 @ BOTTOM	
		Sample Date	10/7/13 mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

March 07, 2013

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 02/27/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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).

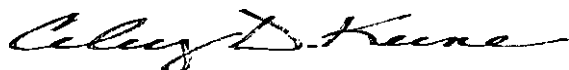
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ SURFACE (H300512-01)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.46	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	16.9	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.7	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	51.9	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	89.0	1.20	03/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 339 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	03/04/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3600	100	03/01/2013	ND	227	114	200	15.8		
DRO >C10-C28	25400	100	03/01/2013	ND	224	112	200	18.0		

Surrogate: 1-Chlorooctane 295 % 65.2-140

Surrogate: 1-Chlorooctadecane 302 % 63.6-154

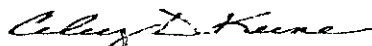
**Sample ID: SP 1 @ 1' (H300512-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	03/04/2013	ND	416	104	400	0.00		

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H300512-03)**

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34		
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43		
Total BTEX	<0.300	0.300	03/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 125 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/04/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.6	10.0	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

**Sample ID: SP 1 @ 3' (H300512-04)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00		

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4' (H300512-05)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 2 @ SURFACE (H300512-06)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.05	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	16.1	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.6	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	46.0	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	81.7	1.20	03/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 371 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	03/04/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3120	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	22700	100	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 281 % 65.2-140

Surrogate: 1-Chlorooctadecane 757 % 63.6-154

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H300512-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	03/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 2 @ 2' (H300512-08)**

BTEX 8021B			mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34		
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43		
Total BTEX	<0.300	0.300	03/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/04/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.3	10.0	03/01/2013	ND	224	112	200	18.0	

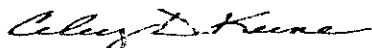
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 3' (H300512-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 2 @ 4' (H300512-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ SURFACE (H300512-11)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>2.78</b>	0.100	03/07/2013	ND	1.80	90.2	2.00	2.29	
<b>Toluene*</b>	<b>12.8</b>	0.100	03/07/2013	ND	1.91	95.3	2.00	2.42	
<b>Ethylbenzene*</b>	<b>12.8</b>	0.100	03/07/2013	ND	1.90	95.2	2.00	2.95	
<b>Total Xylenes*</b>	<b>34.3</b>	0.300	03/07/2013	ND	5.87	97.8	6.00	2.95	
<b>Total BTEX</b>	<b>62.7</b>	0.600	03/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 504 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>864</b>	16.0	03/04/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>3620</b>	100	03/01/2013	ND	227	114	200	15.8	
<b>DRO &gt;C10-C28</b>	<b>26300</b>	100	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 289 % 65.2-140

Surrogate: 1-Chlorooctadecane 898 % 63.6-154

**Sample ID: SP 3 @ 1' (H300512-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7120</b>	16.0	03/04/2013	ND	416	104	400	0.00	

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 2' (H300512-13)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2013	ND	1.80	90.2	2.00	2.29		
Toluene*	<0.050	0.050	03/06/2013	ND	1.91	95.3	2.00	2.42		
Ethylbenzene*	<0.050	0.050	03/06/2013	ND	1.90	95.2	2.00	2.95		
Total Xylenes*	<0.150	0.150	03/06/2013	ND	5.87	97.8	6.00	2.95		
Total BTEX	<0.300	0.300	03/06/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/04/2013	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	26.4	10.0	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 97.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

**Sample ID: SP 3 @ 3' (H300512-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/04/2013	ND	416	104	400	3.77	

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

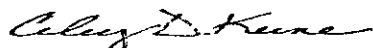
**Sample ID: SP 3 @ 4' (H300512-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/04/2013	ND	416	104	400	3.77		

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

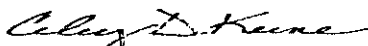
- S-06      The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04      The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND        Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*        Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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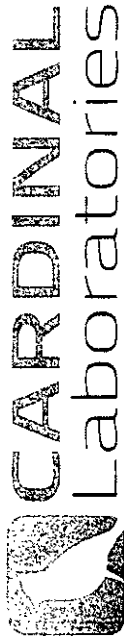
Celey D. Keene, Lab Director/Quality Manager





12

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>BRE International</u>		<b>BILL TO</b>		ANALYSIS REQUEST											
Project Manager: <u>[Signature]</u>		P.O. #:													
Address:		Company:													
City:		Attn:													
State:		Address:													
Zip:		City:													
Phone #:		State:													
Fax #:		Phone #:													
Project #:		Project Owner:													
Project Name:		Pure Gold A Fed of A 2													
Project Location:		Rogue Hernandez													
Sampler Name:		FOR LAB USE ONLY													
Lab I.D.		Sample I.D.													
H300517		SP 300 517													
11		01													
12		02													
13		03													
14		04													
15		05													

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Relinquished By: <u>[Signature]</u>	Date: <u>2-27-13</u>	Received By: <u>[Signature]</u>	Date: <u>2-27-13</u>	Time: <u>9:15</u>	Time: <u>9:15</u>	Relinquished By: <u>[Signature]</u>	Date: <u>2-27-13</u>	Time: <u>9:15</u>	Time: <u>9:15</u>
Delivered By: (Circle One)		Sample Condition		Cool		Intact		Checked By: <u>[Signature]</u>	
Sampler - UPS - Bus - Other:		Cool		Yes		No		Checked By: <u>[Signature]</u>	
		Intact		Yes		No			

April 08, 2013

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 04/02/13 8:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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).

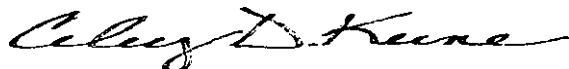
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Caley 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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H300772-01)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>2.97</b>	0.500	04/08/2013	ND	2.02	101	2.00	0.606	
<b>Toluene*</b>	<b>13.6</b>	0.500	04/08/2013	ND	2.23	112	2.00	0.756	
<b>Ethylbenzene*</b>	<b>14.5</b>	0.500	04/08/2013	ND	2.32	116	2.00	0.556	
<b>Total Xylenes*</b>	<b>41.3</b>	1.50	04/08/2013	ND	6.90	115	6.00	0.229	
<b>Total BTEX</b>	<b>72.3</b>	3.00	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 184 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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>4710</b>	50.0	04/02/2013	ND	191	95.5	200	2.72	
<b>DRO &gt;C10-C28</b>	<b>12000</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

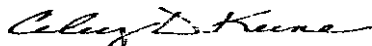
Surrogate: 1-Chlorooctane 277 % 65.2-140

Surrogate: 1-Chlorooctadecane 352 % 63.6-154

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H300772-02)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606		
Toluene*	0.106	0.050	04/04/2013	ND	2.23	112	2.00	0.756		
Ethylbenzene*	0.122	0.050	04/04/2013	ND	2.32	116	2.00	0.556		
Total Xylenes*	0.350	0.150	04/04/2013	ND	6.90	115	6.00	0.229		
Total BTEX	0.578	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIB) 120 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64		

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	26.6	10.0	04/02/2013	ND	198	99.2	200	7.84	

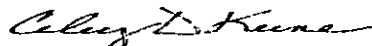
Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 3' (H300772-03)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.066	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.395	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.896	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	1.36	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 191 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.5	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	1140	50.0	04/02/2013	ND	198	99.2	200	7.84	

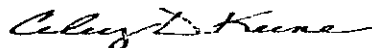
Surrogate: 1-Chlorooctane 91.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

### Sample ID: SP 1 @ 5' (H300772-04)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.177</b>	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
<b>Toluene*</b>	<b>1.95</b>	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
<b>Ethylbenzene*</b>	<b>4.60</b>	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
<b>Total Xylenes*</b>	<b>11.8</b>	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
<b>Total BTEX</b>	<b>18.6</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 527 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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>751</b>	50.0	04/02/2013	ND	191	95.5	200	2.72	
<b>DRO &gt;C10-C28</b>	<b>4760</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

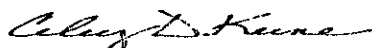
Surrogate: 1-Chlorooctane 150 % 65.2-140

Surrogate: 1-Chlorooctadecane 194 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 7' (H300772-05)**

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<b>0.204</b>	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<b>0.492</b>	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTX	<b>0.696</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 159 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	<b>892</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

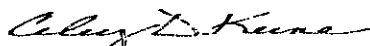
Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 9' (H300772-06)**

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTX	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64		

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	04/02/2013	ND	191	95.5	200	2.72		
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84		

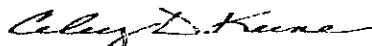
Surrogate: 1-Chlorooctane 99.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H300772-07)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>2.21</b>	0.100	04/04/2013	ND	2.02	101	2.00	0.606	
<b>Toluene*</b>	<b>15.1</b>	0.100	04/04/2013	ND	2.23	112	2.00	0.756	
<b>Ethylbenzene*</b>	<b>19.4</b>	0.100	04/04/2013	ND	2.32	116	2.00	0.556	
<b>Total Xylenes*</b>	<b>53.9</b>	0.300	04/04/2013	ND	6.90	115	6.00	0.229	
<b>Total BTEX</b>	<b>90.6</b>	0.600	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 681 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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>3910</b>	50.0	04/02/2013	ND	191	95.5	200	2.72	
<b>DRO &gt;C10-C28</b>	<b>11300</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

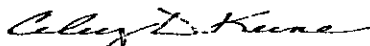
Surrogate: 1-Chlorooctane 261 % 65.2-140

Surrogate: 1-Chlorooctadecane 338 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 2' (H300772-08)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<b>0.117</b>	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<b>0.144</b>	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<b>0.406</b>	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	<b>0.667</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	<b>268</b>	10.0	04/02/2013	ND	198	99.2	200	7.84	

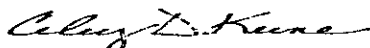
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 131 % 63.6-154

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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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3' (H300772-09)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.404	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	1.09	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	2.67	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	4.16	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 247 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	337	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	2300	50.0	04/02/2013	ND	198	99.2	200	7.84	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 5' (H300772-10)**

BTEX 80218		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.452</b>	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
<b>Toluene*</b>	<b>1.82</b>	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
<b>Ethylbenzene*</b>	<b>3.72</b>	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
<b>Total Xylenes*</b>	<b>9.07</b>	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
<b>Total BTEX</b>	<b>15.1</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 517 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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>583</b>	50.0	04/02/2013	ND	191	95.5	200	2.72	
<b>DRO &gt;C10-C28</b>	<b>3960</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

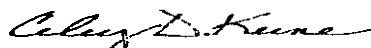
Surrogate: 1-Chlorooctane 139 % 65.2-140

Surrogate: 1-Chlorooctadecane 179 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 7' (H300772-11)**

BTEx 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.062	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.177	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEx	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64		

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	04/02/2013	ND	191	95.5	200	2.72		
DRO >C10-C28	<b>530</b>	50.0	04/02/2013	ND	198	99.2	200	7.84		

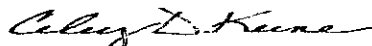
Surrogate: 1-Chlorooctane 82.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 9' (H300772-12)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64		

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	04/02/2013	ND	191	95.5	200	2.72		
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84		

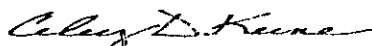
Surrogate: 1-Chlorooctane 93.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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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: 04/02/2013  
 Reported: 04/08/2013  
 Project Name: PURE GOLD A FED #2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/27/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1' (H300772-13)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.82	0.200	04/05/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	16.4	0.200	04/05/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	19.1	0.200	04/05/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	51.1	0.600	04/05/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	90.4	1.20	04/05/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 374 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4210	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	11600	50.0	04/02/2013	ND	198	99.2	200	7.84	

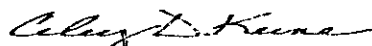
Surrogate: 1-Chlorooctane 271 % 65.2-140

Surrogate: 1-Chlorooctadecane 343 % 63.6-154

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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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H300772-14)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<b>0.184</b>	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<b>0.194</b>	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<b>0.528</b>	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<b>0.905</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 132 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	<b>266</b>	10.0	04/03/2013	ND	199	99.6	200	3.61	

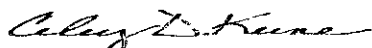
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 3' (H300772-15)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	0.054	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.159	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.434	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	0.647	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	70.7	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	869	50.0	04/03/2013	ND	199	99.6	200	3.61	

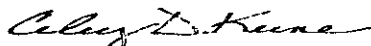
Surrogate: 1-Chlorooctane 85.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 5' (H300772-16)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.104</b>	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
<b>Toluene*</b>	<b>1.10</b>	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
<b>Ethylbenzene*</b>	<b>2.71</b>	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
<b>Total Xylenes*</b>	<b>6.07</b>	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
<b>Total BTEX</b>	<b>9.98</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 430 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

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>329</b>	50.0	04/03/2013	ND	205	103	200	4.44	
<b>DRO &gt;C10-C28</b>	<b>2460</b>	50.0	04/03/2013	ND	199	99.6	200	3.61	

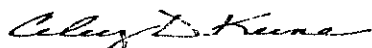
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 147 % 63.6-154

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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 7' (H300772-17)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.068	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.169	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
<b>DRO &gt;C10-C28</b>	<b>462</b>	10.0	04/03/2013	ND	199	99.6	200	3.61	

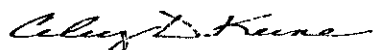
Surrogate: 1-Chlorooctane 99.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 9' (H300772-18)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	71.1	10.0	04/03/2013	ND	199	99.6	200	3.61	

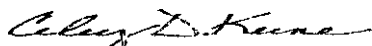
Surrogate: 1-Chlorooctane 95.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

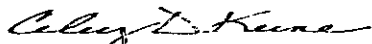
- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature of 6°C or below.
- \*\*\*             Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

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

1 of 2

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST														
Project Manager: Cliff Brunson		Company:																
Address: P.O. Box 805		Attn:																
City: Hobbs		Address: SAME																
Phone #: 575-397-6388		City:																
Project #:		State:																
Project Name: PURE GOLD A FED # 2		Phone #:																
Project Location:		Fax #:																
Sampler Name: ROGER HERNANDEZ																		
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(G) RAB OR (C) OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CL-
H300712	1 SP10	G1	1											3-27-13	0448			
2	2	G1	1											3-27-13	1008			
3	3	G1	1											3-27-13	1029			
4	4	G1	1											3-27-13	1120			
5	5	G1	1											3-28-13	0915			
6	6	G1	1											3-28-13	1000			
7 SP20	7	G1	1											3-27-13	1258			
8	8	G1	1											3-27-13	121			
9	9	G1	1											3-27-13	143			
10	10	G1	1											3-27-13	215			

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Relinquished By: Roger Hernandez	Received By: Dai Henson	Date: 3-27-13	Time: 8:07
Relinquished By:	Received By:	Date:	Time:
Delivered By: (Circle One)	Sample Condition	Checked By:	
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Initials: JH	
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

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

#26

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

282

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> OXY <b>Project Name:</b> PURE GOLD A FEO-A 2 <b>Project Location:</b> <b>Sampler Name:</b> ROGER HERNANDEZ <b>FOR LAB USE ONLY</b>										<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> SAME <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>										<b>ANALYSIS REQUEST</b>									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	PRESERV	SAMPLING	DATE	TIME	PH	BTEX	CL-											
H300712																													
11	SP 2 @ 7'	G	1											3-28-13	1050														
12	@ 4'	G	1											3-28-13	1142														
13	SP 3 @ 1'	G	1											3-27-13	318														
14	@ 2'	G	1											3-27-13	734														
15	@ 3'	G	1											3-27-13	349														
16	@ 5'	G	1											3-27-13	410														
17	@ 7'	G	1											3-28-13	1240														
18	@ 9'	G	1											3-28-13	138														

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Relinquished By: Roger Hernandez Date: 4/12/13 Time: 8:57  
 Relinquished By: Joceli Benson Date: 4/12/13 Time: 8:57

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: SP  
 Sample Condition: SP Cool SP Intact SP  
 Checked By: SP

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

# 26





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

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October 22, 2013

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 10/18/13 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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:	10/18/2013	Sampling Date:	10/17/2013
Reported:	10/22/2013	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: SP 1 @ BOTTOM (H302523-01)**

BTEX 8021B			mg/kg		Analyzed By: MS			A-01		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2013	ND	2.01	101	2.00	3.40		
Toluene*	<0.050	0.050	10/21/2013	ND	2.11	106	2.00	1.78		
Ethylbenzene*	<0.050	0.050	10/21/2013	ND	2.14	107	2.00	3.66		
Total Xylenes*	<0.150	0.150	10/21/2013	ND	6.39	106	6.00	4.56		
Total BTEX	<0.300	0.300	10/21/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 89.4-126

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	10/21/2013	ND	416	104	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2013	ND	201	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/21/2013	ND	191	95.4	200	2.77	

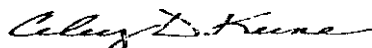
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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:	10/18/2013	Sampling Date:	10/17/2013
Reported:	10/22/2013	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: SP 2 @ BOTTOM (H302523-02)**

BTEX 8021B			mg/kg		Analyzed By: MS				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2013	ND	2.01	101	2.00	3.40		
Toluene*	<0.050	0.050	10/21/2013	ND	2.11	106	2.00	1.78		
Ethylbenzene*	<0.050	0.050	10/21/2013	ND	2.14	107	2.00	3.66		
Total Xylenes*	<0.150	0.150	10/21/2013	ND	6.39	106	6.00	4.56		
Total BTEX	<0.300	0.300	10/21/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 87.7 % 89.4-126

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	10/21/2013	ND	416	104	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2013	ND	201	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/21/2013	ND	191	95.4	200	2.77	

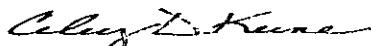
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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: 10/18/2013  
Reported: 10/22/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/17/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ BOTTOM (H302523-03)**

BTEX 8021B		mg/kg		Analyzed By: MS				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2013	ND	2.01	101	2.00	3.40	
Toluene*	<0.050	0.050	10/21/2013	ND	2.11	106	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/21/2013	ND	2.14	107	2.00	3.66	
Total Xylenes*	<0.150	0.150	10/21/2013	ND	6.39	106	6.00	4.56	
Total BTEX	<0.300	0.300	10/21/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 86.0 % 89.4-126

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	10/21/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2013	ND	201	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/21/2013	ND	191	95.4	200	2.77	

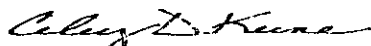
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

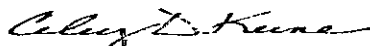
- A-01 Surrogate recovery outside historical limits, but within method limits of 80-120%.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride 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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



## Kathy Purvis

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Friday, October 04, 2013 7:39 AM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

CORRECTION: The date of release for 2RP-1585 is: 3/5/2013, not 2/5/2013 as was listed in the approval.

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:** Bratcher, Mike, EMNRD  
**Sent:** Friday, October 04, 2013 7:31 AM  
**To:** 'Cliff P. Brunson'  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

Reference: OXY USA \* Pure Gold A Fed 2 \* 30-015-27243 \* M-21-23s-31e \* Eddy County, New Mexico  
Remediation proposal is for two fluid releases at this site.  
1. OCD Tracking Number: 2RP-1588 \* Date of release: 2/8/2013  
2. OCD Tracking Number: 2RP-1585 \* Date of release: 2/5/2013

Cliff,

Your proposal to excavate and haul to disposal, 2 feet of material across the entire impacted area, is approved. This proposal will address both release events as referenced above. Upon satisfactory completion of the project, please submit separate Final Report C-141s for each release event, and two hard copies of the closure report. Please notify the OCD District 2 office prior to commencement of remedial activities. Approval by BLM is also required for remediation on federal sites.

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 P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Saturday, September 21, 2013 4:10 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-Pure Gold A Federal #2 Battery-Remediation Plan

Mike,

This e-mail is to confirm our conversation the other day about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As you may recall, there was two leaks that occurred at this site within weeks of each other. This remediation plan will address both leaks. As discussed, Oxy will excavate the entire leak area inside the battery firewall to a depth of 2 feet and then backfill the site with the appropriate type of clean soil.

If you would please e-mail your concurrence with this remediation 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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\*\*\*\*\*



## Kathy Purvis

---

**From:** Van Curen, Jennifer <jvancure@blm.gov>  
**Sent:** Monday, September 23, 2013 11:47 AM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

Cliff,

The plan is approved with the following stipulation:

The last samples were taken in March, and we have had some pretty good rains since then, so I will require bottom samples prior to closing.

Thanks,

JENNIFER E VAN CUREN  
ENVIRONMENTAL PROTECTION SPECIALIST  
DOI-BLM-CARLSBAD FIELD OFFICE  
320 E GREENE ST. CARLSBAD, NM 88220  
OFFICE- 575-234-5905  
CELL - 575-361-0042  
FAX - 575-234-5927

On Sat, Sep 21, 2013 at 4:15 PM, Cliff P. Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:  
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. As you may recall, there was two leaks that occurred at this site within weeks of each other. This remediation plan will address both leaks. Oxy proposes to excavate the entire leak area inside the battery firewall to a depth of 2 feet and then backfill the site with the appropriate type of clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

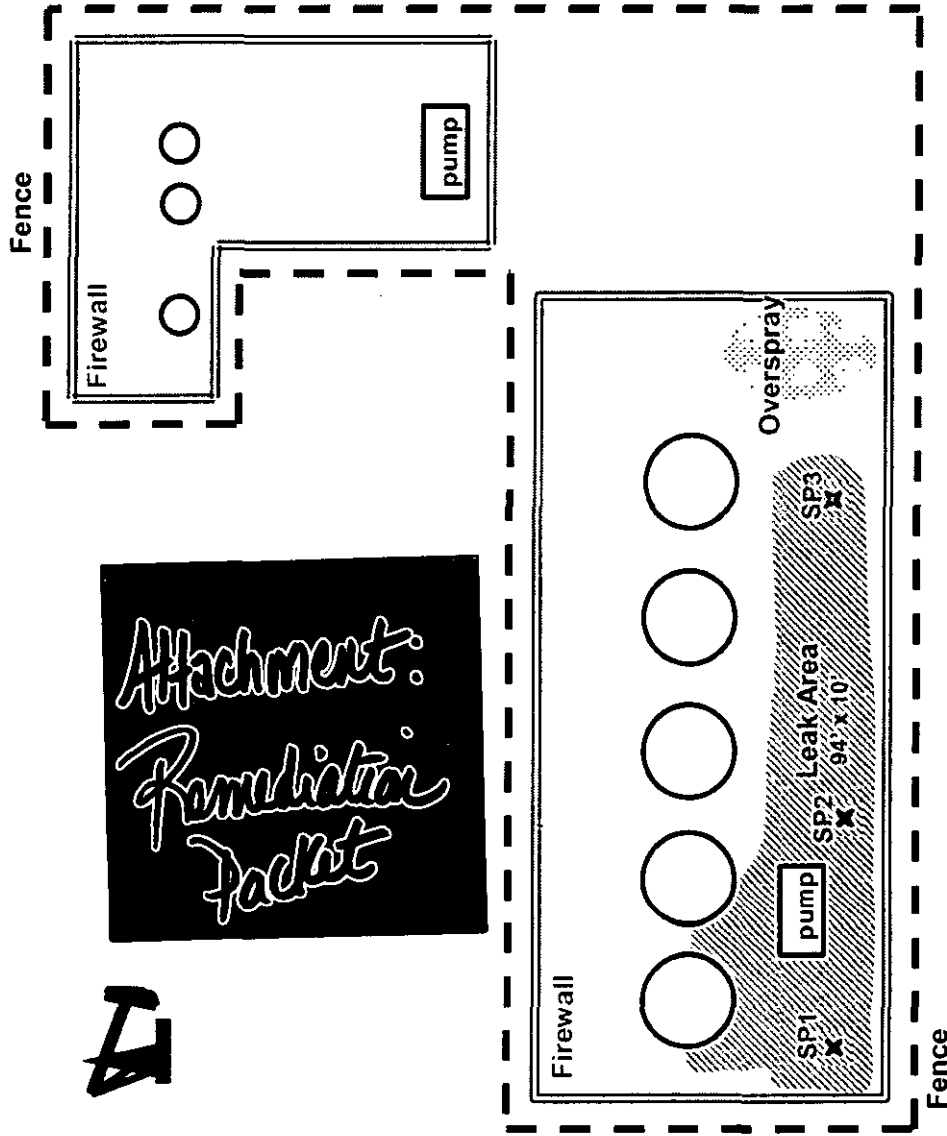
Thanks, Cliff

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)  
\*\*\*\*\*



Oxy

Pure Gold A Federal #2 Battery



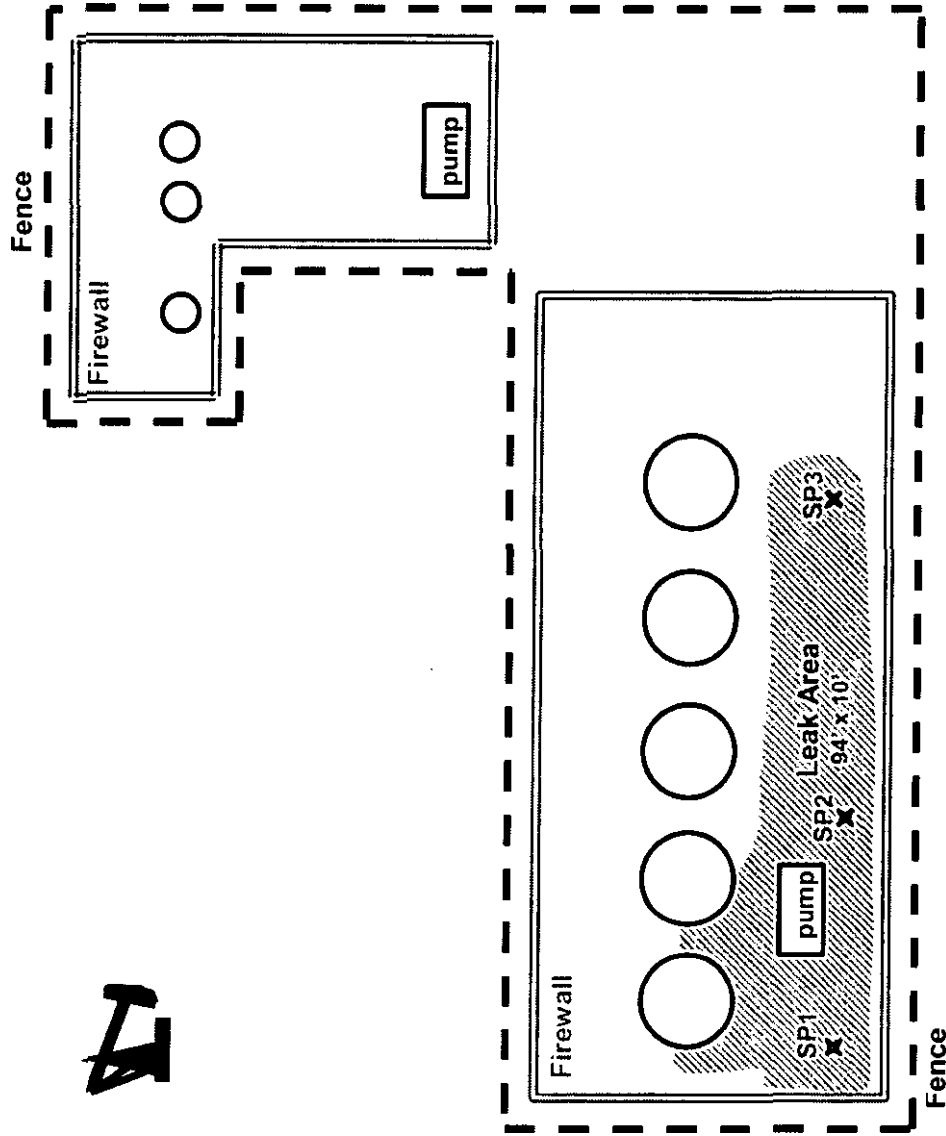
BBC International, Inc.	
Oxy	
Pure Gold A Federal #2 Battery	
Date: 02/13/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013

U/L M, Section 21, T23S, R31E  
660' FSL and 330' FWL  
Eddy County, NM  
N 32.28436° W 103.79001°  
API# 30-015-27243



Oxy

# Pure Gold A Federal #2 Battery



U/L M, Section 21, T23S, R31E  
660' FSL and 330' FWL  
Eddy County, NM  
N 32.28436° W 103.79001°  
API# 30-015-27243

BBC International, Inc.	
Oxy	
Pure Gold A Federal #2 Battery	
Date: 03/27/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



# Groundwater Plot

## Oxy Pure Gold A Federal #2

County  
Eddy

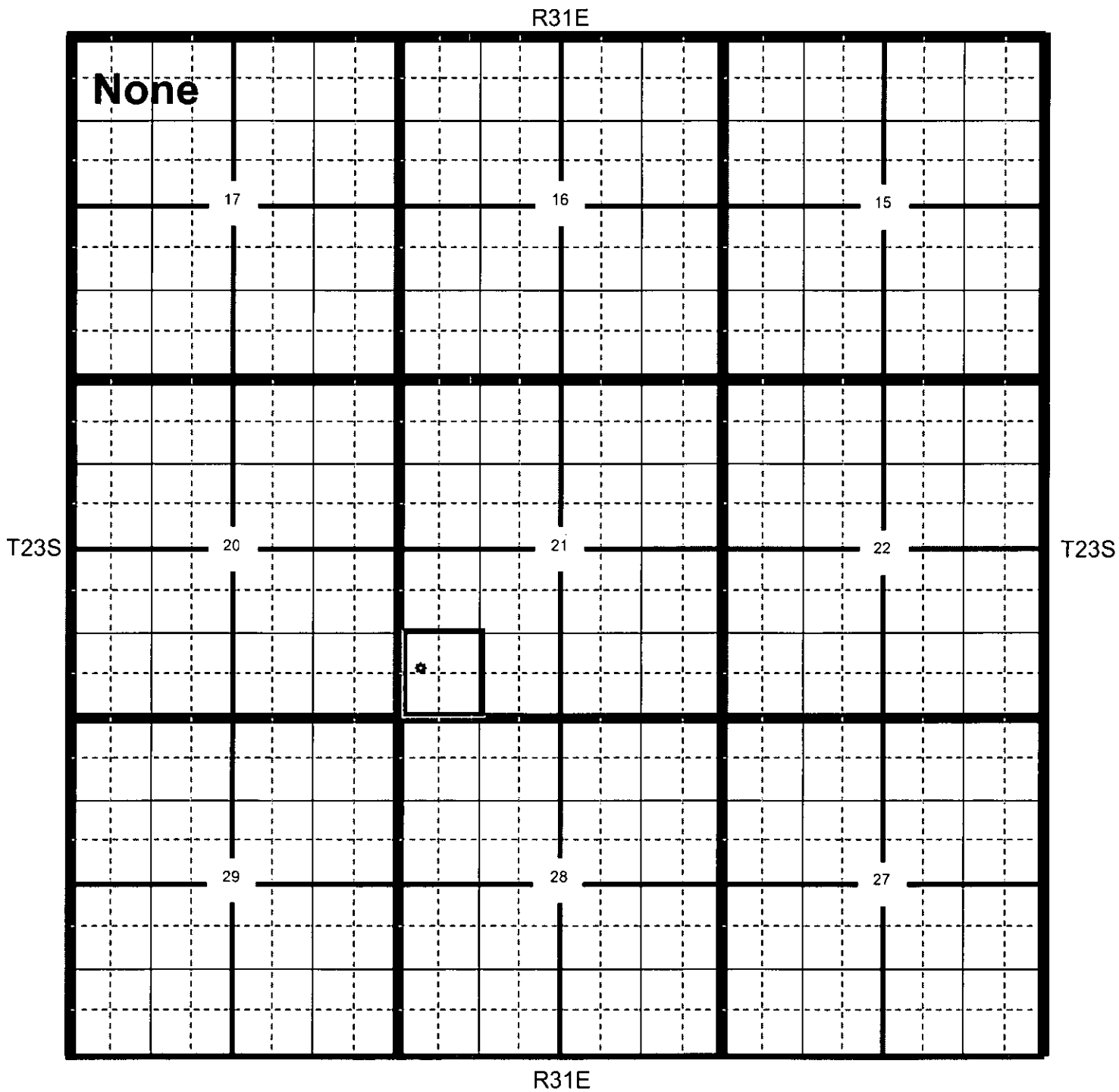
Unit Letter  
M

Section  
21

Township  
23S

Range  
31E

Trend Map 150'



★ Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

Oxy Pure Gold A Federal #2 Battery

County Eddy Unit Letter M Section 21 Township 23S Range 31E

Trend Map 150'

1

2

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

3

4

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

	Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.46	<0.050	n/a	n/a
Toluene	BTEX 8021B		16.9	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.7	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		51.9	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		89	<0.300	n/a	n/a
Chloride	SM4500Cl-B		816	336	80	144
GRO	TPH 8015M		3600	<10.0	n/a	n/a
DRO	TPH 8015M		25400	18.6	n/a	n/a

	Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.05	<0.050	n/a	n/a
Toluene	BTEX 8021B		16.1	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.6	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		46	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		81.7	<0.300	n/a	n/a
Chloride	SM4500Cl-B		1280	400	80	144
GRO	TPH 8015M		3120	<10.0	n/a	n/a
DRO	TPH 8015M		22700	18.3	n/a	n/a

	Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.78	<0.050	n/a	n/a
Toluene	BTEX 8021B		12.8	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		12.8	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		34.3	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		62.7	<0.300	n/a	n/a
Chloride	SM4500Cl-B		864	416	96	144
GRO	TPH 8015M		3620	<10.0	n/a	n/a
DRO	TPH 8015M		26300	26.4	n/a	n/a

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

Analyte	Method	Sample		SP1 @ 1'		SP1 @ 2'		SP1 @ 3'		SP1 @ 5'		SP1 @ 7'		SP1 @ 9'	
		Date		3/27/13	mg/Kg	3/27/13	mg/Kg	3/27/13	mg/Kg	3/27/13	mg/Kg	3/28/13	mg/Kg	3/28/13	mg/Kg
Benzene	BTEX 8021B				2.97	<0.050	<0.050	<0.050	0.177	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B				13.6	0.106	0.122	0.066	1.95	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B				14.5	0.122	0.122	0.066	1.95	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B				41.3	0.35	0.35	0.896	11.8	0.492	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B				72.3	0.578	0.578	1.36	18.6	0.696	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B				<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M				4710	<10.0	<10.0	80.5	751	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M				12000	26.6	26.6	1140	4760	892	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample		SP2 @ 1'		SP2 @ 2'		SP2 @ 3'		SP2 @ 5'		SP2 @ 7'		SP2 @ 9'	
		Date		3/27/13	mg/Kg	3/27/13	mg/Kg	3/27/13	mg/Kg	3/27/13	mg/Kg	3/28/13	mg/Kg	3/28/13	mg/Kg
Benzene	BTEX 8021B				2.21	<0.050	<0.050	<0.050	0.452	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B				15.1	0.117	0.117	0.404	1.82	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B				19.4	0.144	0.144	1.09	3.72	0.062	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B				53.9	0.406	0.406	2.67	9.07	0.177	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B				90.6	0.667	0.667	4.16	15.1	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B				<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M				3910	<10.0	<10.0	337	583	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M				11300	268	268	2300	3960	530	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample		SP3 @ 1'		SP3 @ 2'		SP3 @ 3'		SP3 @ 5'		SP3 @ 7'		SP3 @ 9'	
		Date		3/27/13	mg/Kg	3/27/13	mg/Kg	3/27/13	mg/Kg	3/27/13	mg/Kg	3/28/13	mg/Kg	3/28/13	mg/Kg
Benzene	BTEX 8021B				3.82	<0.050	<0.050	<0.050	0.104	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B				16.4	0.184	0.184	0.054	1.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B				19.1	0.194	0.194	0.159	2.71	0.068	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B				51.1	0.528	0.528	0.434	6.07	0.169	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B				90.4	0.905	0.905	0.647	9.98	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B				<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M				4210	<10.0	<10.0	70.7	329	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M				11600	266	266	869	2460	462	<10.0	<10.0	<10.0	<10.0	<10.0

March 07, 2013

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 02/27/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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).

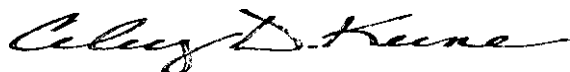
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H300512-01)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>3.46</b>	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
<b>Toluene*</b>	<b>16.9</b>	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
<b>Ethylbenzene*</b>	<b>16.7</b>	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
<b>Total Xylenes*</b>	<b>51.9</b>	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
<b>Total BTEX</b>	<b>89.0</b>	1.20	03/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 339 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>816</b>	16.0	03/04/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>3600</b>	100	03/01/2013	ND	227	114	200	15.8	
<b>DRO &gt;C10-C28</b>	<b>25400</b>	100	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 295 % 65.2-140

Surrogate: 1-Chlorooctadecane 802 % 63.6-154

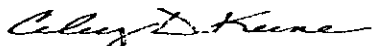
**Sample ID: SP 1 @ 1' (H300512-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7040</b>	16.0	03/04/2013	ND	416	104	400	0.00	

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H300512-03)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34		
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43		
Total BTEX	<0.300	0.300	03/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 125 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/04/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8		
DRO >C10-C28	18.6	10.0	03/01/2013	ND	224	112	200	18.0		

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

**Sample ID: SP 1 @ 3' (H300512-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00		

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 4' (H300512-05)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 2 @ SURFACE (H300512-06)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.05	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	16.1	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.6	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	46.0	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	81.7	1.20	03/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 371 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	03/04/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3120	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	22700	100	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 281 % 65.2-140

Surrogate: 1-Chlorooctadecane 757 % 63.6-154

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H300512-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	03/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 2 @ 2' (H300512-08)**

BTEX 8021B			mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34		
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43		
Total BTEX	<0.300	0.300	03/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/04/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.3	10.0	03/01/2013	ND	224	112	200	18.0	

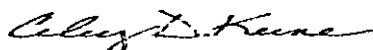
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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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:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 3' (H300512-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 2 @ 4' (H300512-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ SURFACE (H300512-11)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.78	0.100	03/07/2013	ND	1.80	90.2	2.00	2.29	
Toluene*	12.8	0.100	03/07/2013	ND	1.91	95.3	2.00	2.42	
Ethylbenzene*	12.8	0.100	03/07/2013	ND	1.90	95.2	2.00	2.95	
Total Xylenes*	34.3	0.300	03/07/2013	ND	5.87	97.8	6.00	2.95	
Total BTEX	62.7	0.600	03/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 504 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	03/04/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3620	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	26300	100	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 289 % 65.2-140

Surrogate: 1-Chlorooctadecane 898 % 63.6-154

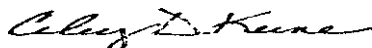
**Sample ID: SP 3 @ 1' (H300512-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7120	16.0	03/04/2013	ND	416	104	400	0.00		

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H300512-13)**

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2013	ND	1.80	90.2	2.00	2.29		
Toluene*	<0.050	0.050	03/06/2013	ND	1.91	95.3	2.00	2.42		
Ethylbenzene*	<0.050	0.050	03/06/2013	ND	1.90	95.2	2.00	2.95		
Total Xylenes*	<0.150	0.150	03/06/2013	ND	5.87	97.8	6.00	2.95		
Total BTEX	<0.300	0.300	03/06/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIU) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/04/2013	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	26.4	10.0	03/01/2013	ND	224	112	200	18.0	

Surrogate: 1-Chlorooctane 97.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

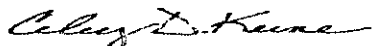
**Sample ID: SP 3 @ 3' (H300512-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/04/2013	ND	416	104	400	3.77		

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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: 02/27/2013  
Reported: 03/07/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 4' (H300512-15)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	3.77	

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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.
- 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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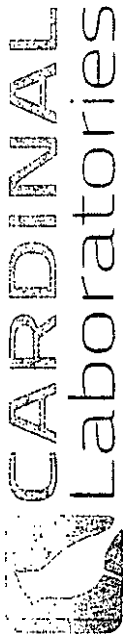
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Celey D. Keene, Lab Director/Quality Manager



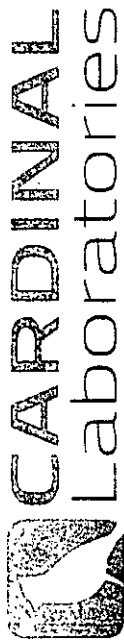
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO				ANALYSIS REQUEST											
Company Name: <u>BTC Contractors</u>				P.O. #:											
Project Manager: <u>John Benson</u>				Company:											
Address: <u>1324 W. Marland</u>				Attn: <u>Steve</u>											
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Address: <u>Same</u>											
Phone #: <u>393-243823</u> Fax #: <u>(575) 393-2476</u>				City: _____											
Project #: _____				State: _____											
Project Name: <u>John G. Gold A Feed # 2</u>				Phone #: _____											
Project Location: _____				Fax #: _____											
Sampler Name: <u>D. H. B.</u>															
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	MATRIX	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	PRESERV	SAMPLING	DATE	TIME	
1300510	SP10 Sample	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	10:55	
2	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	10:50	
3	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	10:59	
4	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	11:15	
5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	11:35	
6	SP20 Sample	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	12:02	
7	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	12:19	
8	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	12:48	
9	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	1:00	
10	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2-26-13	1:27	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any damage arising without contract or tort shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other claims, shall be waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for monetary or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or subcontractors arising out of or related to the performance or non-performance of services provided by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</u>	Date: <u>2-27-13</u>	Time: <u>9:05</u>	Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</u>	Date: <u>2-27-13</u>	Time: <u>1:27</u>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Relinquished By: <u>[Signature]</u>				Relinquished By: <u>[Signature]</u>			
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Time: <u>9:05</u>				Time: <u>1:27</u>			
Relinquished By: <u>[Signature]</u>							



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>BEC International</u>		P.O. #:		BILL TO ANALYSIS REQUEST													
Project Manager:		Company:															
Address:		Attn:															
City:		Address:															
Phone #:		City:															
State:		State:															
Zip:		Zip:															
Project #:		Project Owner:															
Project Name:		Project Name:															
Project Location:		Project Location:															
Sampler Name:		Sampler Name:															
FOR LAB USE ONLY		FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	MATRIX	PRESERV	DATE	TIME												
11	SP 300 512	WASTEWATER	✓	2-26-13	2:05												
12	6 1	WASTEWATER	✓	2-26-13	2:15												
13	6 2	WASTEWATER	✓	2-26-13	2:31												
14	6 3	WASTEWATER	✓	2-26-13	2:47												
15	6 4	WASTEWATER	✓	2-26-13	3:04												

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Relinquished By: <u>[Signature]</u>	Date: <u>2-27-13</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
REMARKS:				
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other:				
Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				
Checked By: <u>[Signature]</u>				

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

April 08, 2013

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 04/02/13 8:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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).

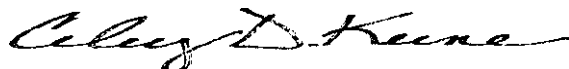
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H300772-01)

BTEX 8021B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.97	0.500	04/08/2013	ND	2.02	101	2.00	0.606	
Toluene*	13.6	0.500	04/08/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	14.5	0.500	04/08/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	41.3	1.50	04/08/2013	ND	6.90	115	6.00	0.229	
Total BTEX	72.3	3.00	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 184 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	4710	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	12000	50.0	04/02/2013	ND	198	99.2	200	7.84	

Surrogate: 1-Chlorooctane 277 % 65.2-140

Surrogate: 1-Chlorooctadecane 352 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager

Page 2 of 22

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager

Page 3 of 22

**Analytical Results For:**

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

Received: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 3' (H300772-03)**

BTEX 8021B			mg/kg		Analyzed By: AP			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606		
Toluene*	0.066	0.050	04/04/2013	ND	2.23	112	2.00	0.756		
Ethylbenzene*	0.395	0.050	04/04/2013	ND	2.32	116	2.00	0.556		
Total Xylenes*	0.896	0.150	04/04/2013	ND	6.90	115	6.00	0.229		
Total BTEX	1.36	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 191 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.5	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	1140	50.0	04/02/2013	ND	198	99.2	200	7.84	

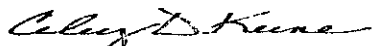
Surrogate: 1-Chlorooctane 91.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 5' (H300772-04)**

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.177	0.050	04/04/2013	ND	2.02	101	2.00	0.606		
Toluene*	1.95	0.050	04/04/2013	ND	2.23	112	2.00	0.756		
Ethylbenzene*	4.60	0.050	04/04/2013	ND	2.32	116	2.00	0.556		
Total Xylenes*	11.8	0.150	04/04/2013	ND	6.90	115	6.00	0.229		
Total BTEX	18.6	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 527 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64		

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>751</b>	50.0	04/02/2013	ND	191	95.5	200	2.72		
<b>DRO &gt;C10-C28</b>	<b>4760</b>	50.0	04/02/2013	ND	198	99.2	200	7.84		

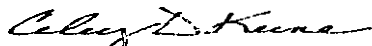
Surrogate: 1-Chlorooctane 150 % 65.2-140

Surrogate: 1-Chlorooctadecane 194 % 63.6-154

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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 1 @ 7' (H300772-05)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<b>0.204</b>	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<b>0.492</b>	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	<b>0.696</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 159 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	<b>892</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

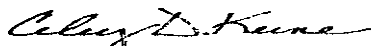
Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/28/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 9' (H300772-06)**

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84	

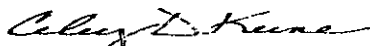
Surrogate: 1-Chlorooctane 99.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H300772-07)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.21	0.100	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	15.1	0.100	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	19.4	0.100	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	53.9	0.300	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	90.6	0.600	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 681 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	3910	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	11300	50.0	04/02/2013	ND	198	99.2	200	7.84	

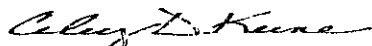
Surrogate: 1-Chlorooctane 261 % 65.2-140

Surrogate: 1-Chlorooctadecane 338 % 63.6-154

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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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H300772-08)**

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.117	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.144	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.406	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	0.667	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64		

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	268	10.0	04/02/2013	ND	198	99.2	200	7.84	

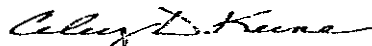
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 131 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 3' (H300772-09)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<b>0.404</b>	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<b>1.09</b>	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<b>2.67</b>	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	<b>4.16</b>	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 247 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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>337</b>	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	<b>2300</b>	50.0	04/02/2013	ND	198	99.2	200	7.84	

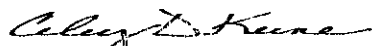
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 5' (H300772-10)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.452	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	1.82	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	3.72	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	9.07	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	15.1	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 517 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	583	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	3960	50.0	04/02/2013	ND	198	99.2	200	7.84	

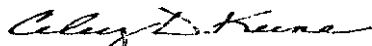
Surrogate: 1-Chlorooctane 139 % 65.2-140

Surrogate: 1-Chlorooctadecane 179 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 2 @ 7' (H300772-11)**

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9		
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7		
Ethylbenzene*	0.062	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4		
Total Xylenes*	0.177	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6		
Total BTEX	<0.300	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 120 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	530	50.0	04/02/2013	ND	198	99.2	200	7.84	

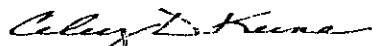
Surrogate: 1-Chlorooctane 82.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/28/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 9' (H300772-12)**

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	

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	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84	

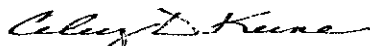
Surrogate: 1-Chlorooctane 93.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1' (H300772-13)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.82	0.200	04/05/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	16.4	0.200	04/05/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	19.1	0.200	04/05/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	51.1	0.600	04/05/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	90.4	1.20	04/05/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 374 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4210	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	11600	50.0	04/02/2013	ND	198	99.2	200	7.84	

Surrogate: 1-Chlorooctane 271 % 65.2-140

Surrogate: 1-Chlorooctadecane 343 % 63.6-154

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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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 2' (H300772-14)**

BTEX 8021B			mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9		
Toluene*	0.184	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7		
Ethylbenzene*	0.194	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4		
Total Xylenes*	0.528	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6		
Total BTEX	0.905	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 132 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	266	10.0	04/03/2013	ND	199	99.6	200	3.61	

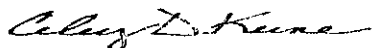
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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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: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/27/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 3' (H300772-15)**

BTEX 8021B			mg/kg		Analyzed By: AP			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9		
Toluene*	0.054	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7		
Ethylbenzene*	0.159	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4		
Total Xylenes*	0.434	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6		
Total BTEX	0.647	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	70.7	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	869	50.0	04/03/2013	ND	199	99.6	200	3.61	

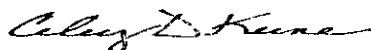
Surrogate: 1-Chlorooctane 85.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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**Analytical Results For:**

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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 5' (H300772-16)**

BTEX 8021B			mg/kg		Analyzed By: AP			S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.104	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	1.10	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	2.71	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	6.07	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	9.98	0.300	04/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 430 % 89.4-126

Chloride, SM4500Cl-B			mg/kg					Analyzed By: DW	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	329	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	2460	50.0	04/03/2013	ND	199	99.6	200	3.61	

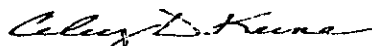
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 147 % 63.6-154

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

Received: 04/02/2013  
Reported: 04/08/2013  
Project Name: PURE GOLD A FED #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/28/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 7' (H300772-17)**

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9		
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7		
Ethylbenzene*	0.068	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4		
Total Xylenes*	0.169	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6		
Total BTEX	<0.300	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500CI-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	462	10.0	04/03/2013	ND	199	99.6	200	3.61	

Surrogate: 1-Chlorooctane 99.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	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:	NOT GIVEN		

**Sample ID: SP 3 @ 9' (H300772-18)**

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9		
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7		
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4		
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6		
Total BTEX	<0.300	0.300	04/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	71.1	10.0	04/03/2013	ND	199	99.6	200	3.61	

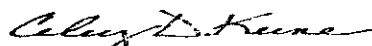
Surrogate: 1-Chlorooctane 95.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

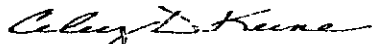
- S-06      The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04      The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND        Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*        Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

142

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		Company:											
Address: P.O. Box 805		Attn:											
City: Hobbs		Address: SAME											
Phone #: 575-397-6388		City:											
Fax #: 575-397-0397		State:											
Project #:		Zip:											
Project Name: PURE Gold A FED #2		Phone #:											
Project Location:		Fax #:											
Sampler Name: ROGER HERNANDEZ		PRESERV		SAMPLING									
FOR LAB USE ONLY		MATRIX		DATE									
Lab I.D.		Sample I.D.		TIME									
H300172		SP10 1'		3-27-75		TPH							
1		SP10 2'		3-27-75		BTEX							
2		SP10 3'		3-27-75		CL-							
3		SP10 4'		3-27-75									
4		SP10 5'		3-27-75									
5		SP10 6'		3-27-75									
6		SP10 7'		3-27-75									
7		SP10 8'		3-27-75									
8		SP10 9'		3-27-75									
9		SP10 10'		3-27-75									
10		SP10 11'		3-27-75									
11		SP10 12'		3-27-75									
12		SP10 13'		3-27-75									
13		SP10 14'		3-27-75									
14		SP10 15'		3-27-75									
15		SP10 16'		3-27-75									
16		SP10 17'		3-27-75									
17		SP10 18'		3-27-75									
18		SP10 19'		3-27-75									
19		SP10 20'		3-27-75									
20		SP10 21'		3-27-75									
21		SP10 22'		3-27-75									
22		SP10 23'		3-27-75									
23		SP10 24'		3-27-75									
24		SP10 25'		3-27-75									
25		SP10 26'		3-27-75									
26		SP10 27'		3-27-75									
27		SP10 28'		3-27-75									
28		SP10 29'		3-27-75									
29		SP10 30'		3-27-75									
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43		SP10 44'		3-27-75									
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46		SP10 47'		3-27-75									
47		SP10 48'		3-27-75									
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109		SP10 110'		3-27-75									
110		SP10 111'		3-27-75									
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224		SP10 225'		3-27-75									
225		SP10 226'		3-27-75									
226		SP10 227'		3-27-75									
227		SP10 228'		3-2									



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

272

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						
Project #:						Project Owner: OXY						
Project Name: Pure Gold A FEB # 2						City: SAME						
Project Location:						State: Zip:						
Sample Name: Roger Hernandez						Phone #:						
FOR LAB USE ONLY						Fax #:						
Lab I.D. Sample I.D.						(G)RAB OR (C)OMP.		PRESERV		SAMPLING		
						# CONTAINERS	MATRIX	PRESERV	SAMPLING			
						GROUNDWATER						
						WASTEWATER						
						SOIL						
						OIL						
						SLUDGE						
						OTHER :						
						ACID/BASE:						
						ICE / COOL						
						OTHER :						
						DATE	TIME					
H320T12						SP 20 7'	G 1	V	3-28-78	1050	✓	TPH
11						SP 20 7'	G 1	V	3-28-78	1142	✓	BTEX
12						SP 30 1'	G 1	V	3-23-78	318	✓	CL-
13						SP 30 1'	G 1	V	3-23-78	734	✓	
14						SP 30 1'	G 1	V	3-23-78	349	✓	
15						SP 30 1'	G 1	V	3-23-78	410	✓	
16						SP 30 1'	G 1	V	3-28-78	1240	✓	
17						SP 30 1'	G 1	V	3-28-78	1240	✓	
18						SP 30 1'	G 1	V	3-28-78	1240	✓	

PLEASE NOTE: Liability and Damages. Customer's liability and client's obligations remain for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of time, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or resulting from the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated provisions or otherwise.

Relinquished By: Roger Hernandez Date: 4/11/13 Received By: Cliff Brunson

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_

Delivered By: (Circle One)  
Sampler - UPS    Bus    Other: \_\_\_\_\_

Sample Condition  
☒ Cool    ☒ Intact    ☐ Broken    ☐ Leaking

CHECKED BY: [Signature]

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

REMARKS:

**† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2478**

#26



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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Pure Gold A Federal #2 Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	NM 38464

**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 32.28428° Longitude W 103.79005

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	15 bbls water and 0.5 bbls skim oil	Volume Recovered	7 bbls
Source of Release	Flex Coupling broke on water transfer pump	Date and Hour of Occurrence	2/08/13	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD; James Amos & Jennifer Van Curen- BLM		
By Whom?	Chancey Summers	Date and Hour	2/11/13 @ 7:29 am		
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.\*

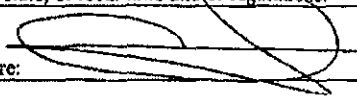
Describe Cause of Problem and Remedial Action Taken.\*

Flex coupling on a water transfer pump broke and caused 15 bbls of water and 0.5 bbl of skim oil to leak onto the ground. 7 bbls of fluid were recovered via vacuum truck. The coupling was repaired.

Describe Area Affected and Cleanup Action Taken.\*

Flex coupling on a water transfer pump broke and caused 15 bbls of water and 0.5 bbl of skim oil to leak onto the ground. 7 bbls of fluid were recovered via vacuum truck. The coupling was repaired. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Chancey Summers	Approved by District Supervisor:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>3-12-13</u> Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Pure Gold A Federal #2 Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	NM 38464

**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	660	South	330	West	Eddy

Latitude N 32.28428° Longitude W 103.79005

**NATURE OF RELEASE**

Type of Release	Oil	Volume of Release	15 bbls	Volume Recovered	0 bbls
Source of Release	Tank overflow	Date and Hour of Occurrence	3/5/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD; James Amos & Jennifer Van Curen- BLM		
By Whom?	Chancey Summers	Date and Hour	3/6/13 @ 8:40 am		
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.\*

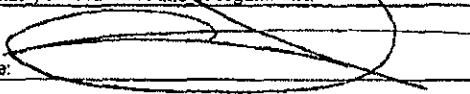
Describe Cause of Problem and Remedial Action Taken.\*

The loss of gas caused a tank overflow spilling 15 bbls of oil onto the ground. No fluids were recovered and the source of the release was corrected.

Describe Area Affected and Cleanup Action Taken.\*

The area affected is approximately 40' x 90'. The loss of gas caused a tank overflow spilling 15 bbls of oil onto the ground. No fluids were recovered and the source of the release was corrected. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Chancey Summers	Approved by District Supervisor:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3-12-13 Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary