



April 6, 2015

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

SAN ANTONIO
13111 Lookout Way
San Antonio, Texas 78233
Phone 210.265.8025
Fax 210.568.2191

Subject: **Soil Assessment and Remediation Work Plan**
Oxy Permian, LTD
Pure Gold A Federal #008
API #: 30-015-35296
2RP-2869

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following

Incident Date

The release was discovered on February 27, 2015 at 11:00 am.

Background Information

The Pure Gold A Federal #008 is located approximately forty (40) miles southeast of Carlsbad, New Mexico. The legal Location for this site is Unit Letter F, Section 21, Township 23 South and Range 31 East. More specifically the latitude and longitude for the release are 32.2920651 North and -103.7848888 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the of Kermit-Berino fine sands with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 430-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is 0 based on the following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Incident Description

The transfer line to the LACT unit froze causing a release of approximately 7bbls of oil. All of the lost fluid was contained to the location. The line was replaced and put back into service. A vacuum truck was dispatched to recover standing fluids and was able to recover approximately 1.5bbls of fluid. Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area.

Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	471	96	8840	17100
S-1	1	5.55	ND	66	413
S-1	2	ND	ND	ND	ND
S-1	3	ND	ND	ND	ND
S-2	0	583	ND	9670	16100
S-2	1	225	ND	3520	7360
S-2	2	6.94	ND	57.4	293
S-2	3	3.34	ND	82.5	358
S-3	0	653	48	9830	18300
S-3	1	0.41	ND	ND	14.5
S-3	2	0.72	ND	17.1	77.9
S-3	3	ND	ND	ND	ND
S-4	0	542	48	8660	16200
S-4	1	ND	ND	ND	15.5
S-4	2	2.6	ND	43.8	250
S-4	3	0.45	ND	ND	46.1
S-5	0	702	48	13600	22200
S-5	1	ND	ND	11.9	62.6
S-5	2	ND	ND	ND	ND
S-5	3	ND	ND	ND	87.1

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.

Proposed Remedial Actions


- The area in the vicinity of sample locations S-1, S-3, S-4 and S-5 will be excavated to a depth of 1-foot bgs.
- The area in the vicinity of sample location S-2 will be excavated to a depth of 2-feet bgs.
- All of the excavated material will be hauled to a NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with caliche and contoured to match the surrounding location.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575.746.8768.

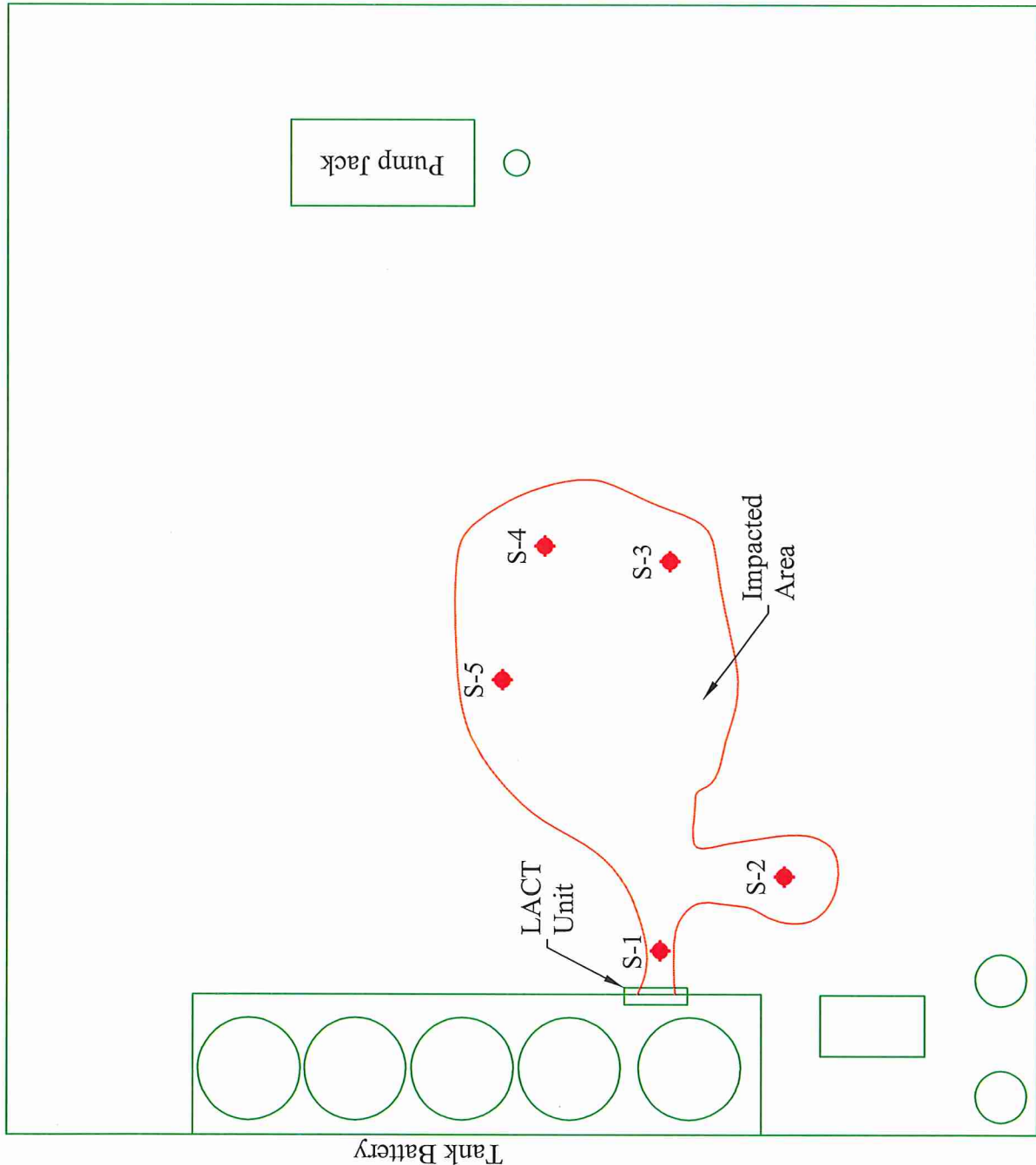
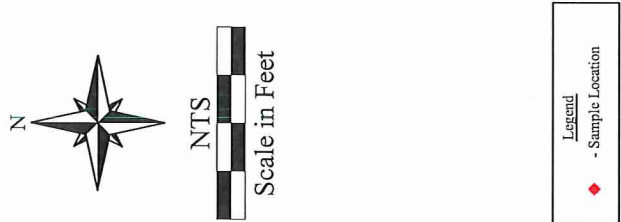
Respectfully submitted,

TALON/LPE


Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Pure Gold A Federal 8 Battery
 Oxy - NM - North
 Eddy County, New Mexico
 Figure 1 - Site Plan

Date: 03/04/2015
Scale: NTS
Drawn By: TJS



GROUNDWATER DATA

INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02954 EXPL			ED	3	1	4	20	23S	31E	613114	3572906*	1399	905		
C 02777		CUB	ED	4	4	4	10	23S	31E	616974	3575662	3400	890		
C 02258		C	ED		3	2	26	23S	31E	618055	3571853*	3964	662		
C 02348		C	ED	1	4	3	26	23S	31E	617648	3571068	3999	700	430	270

Average Depth to Water: **430 feet**

Minimum Depth: **430 feet**

Maximum Depth: **430 feet**

Record Count: 4

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 614415

Northing (Y): 3573423

Radius: 4000

*UTM location was derived from PLSS - see Help

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

NM OIL CONSERVATION

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

ARTESIA DISTRICT

MAR 6 2015

Form C-141
Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB1506838749 OPERATOR Initial Report Final Report

Name of Company: OXY USA Inc.	Contact: Chris Jones
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: Pure Gold A Federal #8	Facility Type: Battery

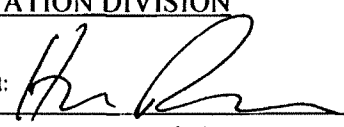
Surface Owner: **Federal** Mineral Owner: _____ API No.: **30-015-35296**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	21	23S	31E	1860'	North	1860'	West	Eddy

Latitude **32.292065195 N** Longitude **-103.784888876 W**

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 7 bbls Oil	Volume Recovered: 1.5 bbls
Source of Release: LACT Unit Leak	Date and Hour of Occurrence: 2/27/2015	Date and Hour of Discovery: 2/27/2015 @ 11:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* The transfer line to the LACT unit froze causing a release of 7 barrels of oil on the location. The facility was shut in and the line was replaced. A vac truck recovered 1.5 barrels of fluid. Talon/LPE was contracted to perform an initial site assessment and soil sampling.		
Describe Area Affected and Cleanup Action Taken.* The area affected is in front of the LACT unit measuring approximately 60-feet long and 30-feet wide. All fluids remained on location.		
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: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o=ou, email=ckjones88@yahoo.com, c=US Date: 2015.01.06.08:18:30 -0600</small>	OIL CONSERVATION DIVISION	
Printed Name: Chris Jones	Approved by Environmental Specialist: 	
Title: HES Specialist	Approval Date: 3/19/15	Expiration Date: N/A
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines Attached <input type="checkbox"/>	
Date: 3/5/2015 Phone: 575-628-4121	SUBMIT REMEDIATION PROPOSAL NO	

* Attach Additional Sheets If Necessary
LATER THAN: 4/9/15

22P-2809

LABORATORY RESULTS



March 09, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PURE GOLD FED #8 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/04/15 11:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 0' (H500602-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	30.9	5.00	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	166	5.00	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	62.3	5.00	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	213	15.0	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	471	30.0	03/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 121 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/05/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	8840	50.0	03/05/2015	ND	183	91.7	200	5.41		
DRO >C10-C28	17100	50.0	03/05/2015	ND	182	90.8	200	9.33		


Surrogate: 1-Chlorooctane 229 % 47.2-157

Surrogate: 1-Chlorooctadecane 327 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 1' (H500602-02)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.076	0.050	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	0.888	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	0.913	0.050	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	3.68	0.150	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	5.55	0.300	03/07/2015	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	400	3.92		


TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	66.0	10.0	03/05/2015	ND	183	91.7	200	5.41		
DRO >C10-C28	413	10.0	03/05/2015	ND	182	90.8	200	9.33		

Surrogate: 1-Chlorooctane 95.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 91.2 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 2' (H500602-03)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	<0.050	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	<0.300	0.300	03/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	400	3.92	

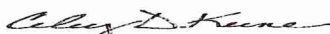
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/05/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	<10.0	10.0	03/05/2015	ND	182	90.8	200	9.33	

Surrogate: 1-Chlorooctane 89.6 % 47.2-157
Surrogate: 1-Chlorooctadecane 91.9 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-1 3' (H500602-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	<0.050	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	<0.300	0.300	03/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	03/06/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	<10.0	10.0	03/06/2015	ND	182	90.8	200	9.33	

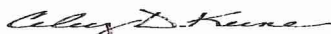
Surrogate: 1-Chlorooctane 98.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.9 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 0' (H500602-05)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	50.5	5.00	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	200	5.00	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	82.3	5.00	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	250	15.0	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	583	30.0	03/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PII) 128 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	9670	50.0	03/06/2015	ND	183	91.7	200	5.41			
DRO >C10-C28	16100	50.0	03/06/2015	ND	182	90.8	200	9.33			

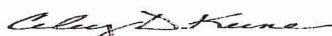
Surrogate: 1-Chlorooctane 221 % 47.2-157

Surrogate: 1-Chlorooctadecane 295 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 1' (H500602-06)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	15.7	2.00	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	76.0	2.00	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	32.9	2.00	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	100	6.00	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	225	12.0	03/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PII) 128 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	3520	50.0	03/06/2015	ND	183	91.7	200	5.41			
DRO >C10-C28	7360	50.0	03/06/2015	ND	182	90.8	200	9.33			

Surrogate: 1-Chlorooctane 214 % 47.2-157

Surrogate: 1-Chlorooctadecane 161 % 52.1-176

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
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 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 2' (H500602-07)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	0.574	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	1.17	0.050	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	5.20	0.150	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	6.94	0.300	03/07/2015	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	57.4	10.0	03/06/2015	ND	183	91.7	200	5.41		
DRO >C10-C28	293	10.0	03/06/2015	ND	182	90.8	200	9.33		

Surrogate: 1-Chlorooctane 96.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.9 % 52.1-176

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 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-2 3' (H500602-08)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.106	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	0.648	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	0.510	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	2.08	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	3.34	0.300	03/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 133 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	82.5	10.0	03/06/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	358	10.0	03/06/2015	ND	182	90.8	200	9.33	

Surrogate: 1-Chlorooctane 95.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.2 % 52.1-176

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Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-3 0' (H500602-09)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	54.0	5.00	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	222	5.00	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	102	5.00	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	274	15.0	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	653	30.0	03/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 124 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/05/2015	ND	400	100	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	9830	50.0	03/06/2015	ND	183	91.7	200	5.41			
DRO >C10-C28	18300	50.0	03/06/2015	ND	182	90.8	200	9.33			

Surrogate: 1-Chlorooctane 255 % 47.2-157
Surrogate: 1-Chlorooctadecane 345 % 52.1-176

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Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-3 1' (H500602-10)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.153	0.050	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	0.256	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	0.409	0.300	03/07/2015	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	03/06/2015	ND	183	91.7	200	5.41		
DRO >C10-C28	14.5	10.0	03/06/2015	ND	182	90.8	200	9.33		

Surrogate: 1-Chlorooctane 93.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.5 % 52.1-176

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-3 2' (H500602-11)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	0.087	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	0.114	0.050	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	0.516	0.150	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	0.716	0.300	03/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 121 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	17.1	10.0	03/06/2015	ND	183	91.7	200	5.41		
DRO >C10-C28	77.9	10.0	03/06/2015	ND	182	90.8	200	9.33		


Surrogate: 1-Chlorooctane 91.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.0 % 52.1-176

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-3 3' (H500602-12)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	<0.050	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	<0.300	0.300	03/07/2015	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	400	0.00		

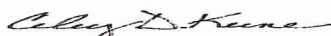
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/06/2015	ND	183	91.7	200	5.41		
DRO >C10-C28	<10.0	10.0	03/06/2015	ND	182	90.8	200	9.33		

Surrogate: 1-Chlorooctane 83.2 % 47.2-157
Surrogate: 1-Chlorooctadecane 86.1 % 52.1-176

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Analytical Results For:

 TALON LPE
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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-4 0' (H500602-13)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	33.9	5.00	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	188	5.00	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	72.3	5.00	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	248	15.0	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	542	30.0	03/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 124 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/05/2015	ND	400	100	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	8660	50.0	03/06/2015	ND	183	91.7	200	5.41			
DRO >C10-C28	16200	50.0	03/06/2015	ND	182	90.8	200	9.33			

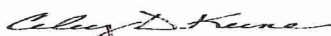
Surrogate: 1-Chlorooctane 222 % 47.2-157

Surrogate: 1-Chlorooctadecane 302 % 52.1-176

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 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-4 1' (H500602-14)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.054	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	0.139	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	<0.300	0.300	03/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	400	0.00	

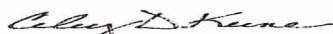
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/06/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	15.5	10.0	03/06/2015	ND	182	90.8	200	9.33	

Surrogate: 1-Chlorooctane 83.5 % 47.2-157
Surrogate: 1-Chlorooctadecane 86.3 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-4 2' (H500602-15)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	0.323	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	0.427	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	1.85	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	2.60	0.300	03/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 135 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	43.8	10.0	03/06/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	250	10.0	03/06/2015	ND	182	90.8	200	9.33	

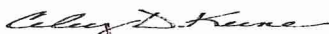
Surrogate: 1-Chlorooctane 97.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-4 3' (H500602-16)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.174	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	0.272	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	0.446	0.300	03/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	03/06/2015	ND	187	93.5	200	4.33	
DRO >C10-C28	46.1	10.0	03/06/2015	ND	194	97.2	200	3.72	

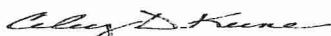
Surrogate: 1-Chlorooctane 85.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.3 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-5 0' (H500602-17)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	70.7	10.0	03/07/2015	ND	2.17	108	2.00	3.06		
Toluene*	275	10.0	03/07/2015	ND	1.95	97.3	2.00	3.47		
Ethylbenzene*	84.6	10.0	03/07/2015	ND	2.28	114	2.00	3.12		
Total Xylenes*	273	30.0	03/07/2015	ND	6.24	104	6.00	3.52		
Total BTEX	702	60.0	03/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/05/2015	ND	400	100	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	13600	100	03/06/2015	ND	187	93.5	200	4.33			
DRO >C10-C28	22200	100	03/06/2015	ND	194	97.2	200	3.72			

Surrogate: 1-Chlorooctane 283 % 47.2-157

Surrogate: 1-Chlorooctadecane 400 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-5 1' (H500602-18)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	0.058	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTEX	<0.300	0.300	03/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	11.9	10.0	03/06/2015	ND	187	93.5	200	4.33	
DRO >C10-C28	62.6	10.0	03/06/2015	ND	194	97.2	200	3.72	

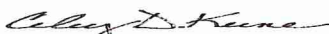
Surrogate: 1-Chlorooctane 86.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.0 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-5 2' (H500602-19)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	1.98	99.0	2.00	10.2	
Toluene*	<0.050	0.050	03/07/2015	ND	1.77	88.4	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.07	103	2.00	10.6	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	5.64	94.0	6.00	11.2	
Total BTEX	<0.300	0.300	03/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	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	03/06/2015	ND	187	93.5	200	4.33	
DRO >C10-C28	<10.0	10.0	03/06/2015	ND	194	97.2	200	3.72	

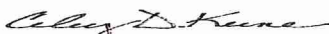
Surrogate: 1-Chlorooctane 90.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PURE GOLD FED #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	70060843101	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

Sample ID: S-5 3' (H500602-20)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/07/2015	ND	1.98	99.0	2.00	10.2		
Toluene*	<0.050	0.050	03/07/2015	ND	1.77	88.4	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.07	103	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/07/2015	ND	5.64	94.0	6.00	11.2		
Total BTEX	<0.300	0.300	03/07/2015	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/05/2015	ND	400	100	400	0.00		

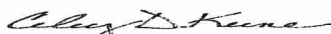
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/06/2015	ND	187	93.5	200	4.33		
DRO >C10-C28	87.1	10.0	03/06/2015	ND	194	97.2	200	3.72		

Surrogate: 1-Chlorooctane 89.1 % 47.2-157
Surrogate: 1-Chlorooctadecane 96.1 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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

1 of 2

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #: <u>0218</u>	
Project Manager: <u>D. Perkins</u>		Company: Talon/LPE	
Address: 408 W. Texas Ave.		Attn:	
City: Artesia	State: NM zip: 88210	Address:	
Phone #: 575-746-8768	Fax #: 575-746-8905	City:	
Project #: <u>70060843101</u>	Project Owner: <u>Gray</u>	State:	
Project Name: <u>Pace Gold Fed 8 Batts</u>		Zip:	
Project Location: <u>Eddy</u>		Phone #:	
Sampler Name: <u>R. S. Swift</u>		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Total Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
1500602-															
01	S-1 0"										3-5-15	9:30	✓	✓	✓
02	S-1 1"										9:33	✓	✓	✓	✓
03	S-1 2"										9:38	✓	✓	✓	✓
04	S-1 3"										9:43	✓	✓	✓	✓
05	S-2 0"										10:05	✓	✓	✓	✓
06	S-2 1"										10:10	✓	✓	✓	✓
07	S-2 2"										10:16	✓	✓	✓	✓
08	S-2 3"										10:26	✓	✓	✓	✓
09	S-3 0"										10:35	✓	✓	✓	✓
10	S-3 1"										10:41	✓	✓	✓	✓

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Relinquished By: <u>[Signature]</u>	Date: _____	Received By: <u>[Signature]</u>	Date: _____
Relinquished By: <u>[Signature]</u>	Date: _____	Received By: <u>[Signature]</u>	Date: _____
Relinquished By: <u>[Signature]</u>	Date: _____	Received By: <u>[Signature]</u>	Date: _____

Delivered By: (Circle One) SR

Sampler - UPS - Bus - Other: SR

Sample Condition: Intact Broken

Checked By: (Initials) SR

REMARKS: OP 56258901
PJ 1129971
TJ 01040502
ELM 2019

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

† 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

2052

Company Name: Talon/LPE		P.O. #:		ANALYSIS REQUEST	
Project Manager:		Company: Talon/LPE			
Address: 408 W. Texas Ave.		Attn:			
City: Artesia		State: NM zip: 88210			
Phone #: 575-746-8768		Fax #: 575-746-8905			
Project #: 7066843101		Project Owner:			
Project Name: Pure Gold Field & Baffle		City:			
Project Location: Pure Gold Field & Baffle		State:			
Sampler Name: R Swift		Phone #:			
FOR LAB USE ONLY		Fax #:			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	DATE	TIME
HS00602-					
11	S-3 2-			10:43	✓
12	S-3 3-			10:44	✓
13	S-4 0-			10:46	✓
14	S-4 1-			10:49	✓
15	S-4 2-			10:51	✓
16	S-4 3-			10:55	✓
17	S-5 0-			11:05	✓
18	S-5 1-			11:10	✓
19	S-5 2-			11:16	✓
20	S-5 3-			11:20	✓

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients' exclusive remedy 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: [Blank] Time: [Blank] Received By: [Signature] Date: [Blank] Time: [Blank]

Delivered By: (Circle One) [Signature] Sample Condition: Intact Broken

Sampler - UPS - Bus - Other: [Blank] Checked By: [Signature] (Initials)

REMARKS: OP 56258961
 PJ 1127971
 TS 01040502
 ELM 2019

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