

[Sheldon L. Hitchcock]
[HSE Coordinator]

January 2, 2019

Christina Hernandez Oil Conservation Division, District 1 1625 N. French Dr. Hobbs, NM 88240

Shelly Tucker Bureau of Land Management, CFO 620 E. Green Street Carlsbad, NM 88220

Re: Closure Letter

Harrier 35 Federal Com #001H

API #: 30-025-40572 RP#: 1RP-5105

Unit Letter G, Section 35, Township 25S, Range 32 E

Lea County, New Mexico

Ms. Hernandez/Ms. Tucker,

COG Operating, LLC (COG) is pleased to submit for your consideration the following closure report for the Harrier 35 Federal Com #001H. This release occurred on June 17, 2018. Following the release an assessment of impacted soils was conducted. A remediation work plan was submitted to and subsequently approved by the New Mexico Oil Conservation Division (NMOCD) and Bureau of Land Management (BLM). A copy of the approved work plan is attached in Appendix V.

BACKGROUND

The Harrier 35 Federal Com #001H is located in Unit Letter G, Section 35, Township 25 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for this release are 32.0888481 North and -103.6419449 West.

On June 17, 2018, a leak on a flowline resulted in the release of approximately fifteen (15) barrels (bbls) of produced water and one-half (0.5) bbl of oil. All of the fluid remained on location.

Remediation activities were conducted in accordance with the approved work plan and NMOCD/BLM stipulations. The analytical results from the NMOCD and BLM stipulated confirmation soil sampling activities are summarized in the table below. A site diagram of the excavated area is presented in Appendix I.

January 2, 2019

GROUNDWATER AND SITE RANKING

According New Mexico Office of the State Engineer groundwater in the project vicinity is approximately one-hundred and fifty-five (155) feet below ground surface (BGS) (Appendix II). No water well or surface water was observed within one-thousand (1,000) feet of the release site. Therefore the site ranking for this release is zero (0) based on the following:

Depth to groundwater >100-feet
Distance to surface water body >1000-feet
Wellhead Protection Area >1000-feet

CONFIRMATION SOIL SAMPLING RESULTS

	Sample	Soil	Status			TPI	H (mg/kg)				Benzene	Total BTEX	Chloride
Sample ID	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)
NMOCD RRAL L	imits (mg/kg)			-	-	-	2,500	-	-	1,000	10	50	20,000
N-1	N/A	Χ		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	176
S-1	N/A		Х	<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	656
S-2	N/A	Χ		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	32
W-2	N/A	Χ		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	224
W-3	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	80
E-1	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	384
E-2	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	64
S-1	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	416
W-1	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	560
E-4	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	256
N-2	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	304
N-3	N/A	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	192
N-4	N/A	Χ		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	528

REMEDIAL ACTIONS

- The impacted area was excavated to a depth of four (4) feet BGS.
- Confirmation soil samples were taken from the sidewalls of the excavated area per NMOCD and BLM stipulations.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Upon receipt of analytical results confirming that all impacted soil above NMOCD RRAL's was successfully removed from the sidewalls, a liner was installed at the bottom of the excavation in order to encapsulate the remaining chloride impacts.
- The excavation was backfilled with caliche and contoured to match the surrounding location.

CLOSURE REQUEST

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the Bureau of Land Management grant closure approval for the Harrier 35 Federal Com #001H incident that occurred on June 17, 2018.

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

Sincerely,

Sheldon L. Hitchcock

Sheldon Witam

HSE Coordinator slhitchcock@concho.com

Enclosed:

Appendix I: Site Diagram

Appendix II: Groundwater Data Appendix III: Initial C-141 (Copy)

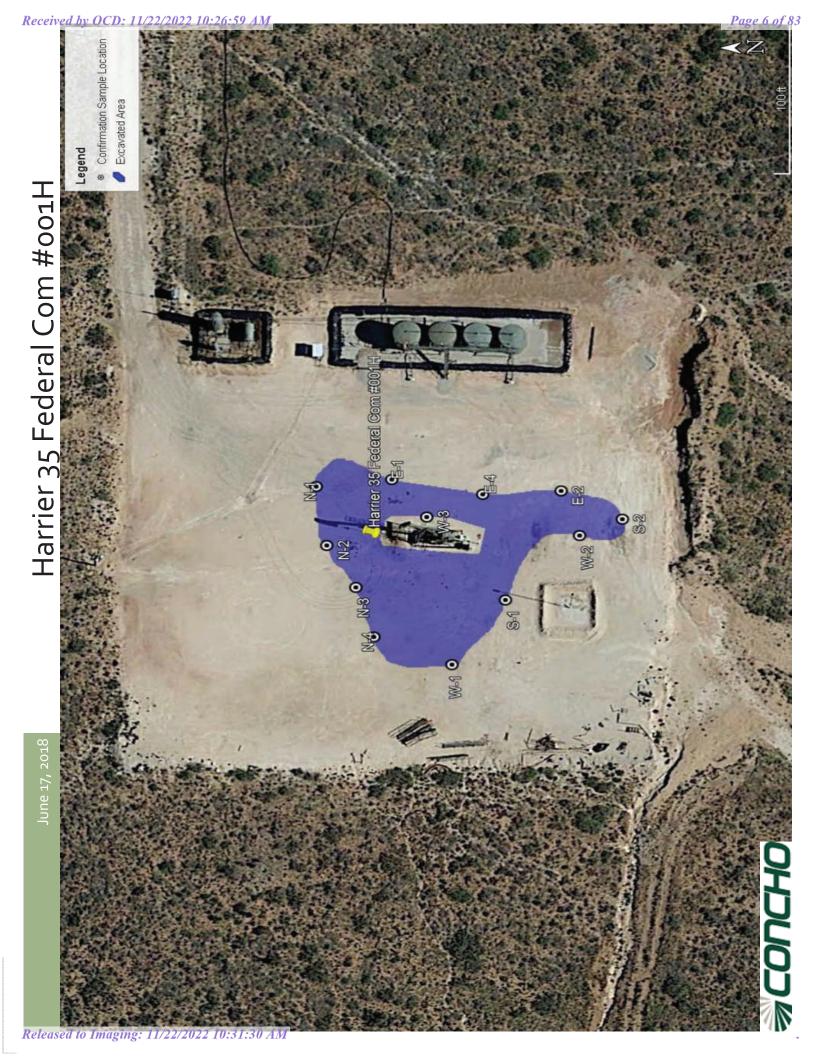
Appendix IV: Final C-141

Appendix V: Work Plan (Copy)

Appendix VI: Analytical Reports and Chain-of-Custody Forms

Appendix VII: Photographic Documentation

APPENDIX I



APPENDIX II



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

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

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

(In feet)

POD Number	Code	POD Sub-	Country	Q			Saa.	Ture	Dna	V	V	Dietanas		Depth	Water Column
	Code		County							C20002		Distance			
C 04209 POD1		CUB	LE	2	3	3	Ub	26S	32E	620903	3548619	7518	360	155	205
C 04209 POD2		С	LE	2	3	3	06	26S	32E	620818	3548657 🌑	7586	340	155	185
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186 🌑	7618	646	350	296
C 02271	R	CUB	LE		2	3	21	26S	32E	624449	3544111* 🌑	7821	150	125	25
C 03595 POD1		CUB	LE	4	2	3	21	26S	32E	624423	3544045 🌑	7891	280	180	100
C 02271 POD2		CUB	LE	3	2	3	21	26S	32E	624348	3544010* 🌑	7957	270	250	20
C 02323		С	LE	3	2	3	21	26S	32E	624348	3544010* 🌑	7957	405	405	0

Average Depth to Water: 231 feet

Minimum Depth: 125 feet

Maximum Depth: 405 feet

Record Count: 7

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 628009 **Northing (Y):** 3551075 **Radius:** 8000

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.

^{*}UTM location was derived from PLSS - see Help

APPENDIX III

Form C-141

Revised April 3, 2017

<u>District I</u> 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

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

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

	-, 1 1111 0 , 0 00	
Release Notificatio	n and Corrective Action	n
	OPERATOR	☐ Initial Report ☐ Final Report
Name of Company: COG Operating LLC (OGRID #229137)	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-683-7443	
Facility Name: Harrier 35 Federal Com #001H	Facility Type: Flowline	
Surface Owner: Federal Mineral Owner:	Federal	API No. 30-025-40572
LOCATIO	N OF RELEASE	
		West Line County
G 35 25S 32E 1,980	North 1,500	East Lea
Latitude 32.0888481 L	ongitude -103.6419449 NAD83	
NATURE	OF RELEASE	
Type of Release:	Volume of Release:	Volume Recovered:
Oil & Produced Water	0.5 bbl. Oil	0 bbl. Oil
Source of Release:	15 bbl. Produced Water Date and Hour of Occurrence:	0 bbl. Produced Water Date and Hour of Discovery:
Flowline Leak	June 17, 2018 3:30pm	June 17, 2018 3:30pm
Was Immediate Notice Given?	If YES, To Whom?	
☐ Yes ☐ No ☐ Not Required		
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Wat	tercourse.
If a Watercourse was Impacted, Describe Fully.*	DECEMED	
	RECEIVED	
	By Olivia Yu at 9	:48 am, Jun 21, 2018
Describe Cause of Problem and Remedial Action Taken.*		
Describe Cause of Problem and Remedial Action Taken.*		
The release was caused by a flowline leak. The flowline is being replaced	1.	
Describe Area Affected and Cleanup Action Taken.*		
The release was on location. A vacuum truck was dispatched to remove a	Il freestanding fluids. Concho will hav	we the spill area sampled to delineate any
possible impact from the release and we will present a remediation work		
I hereby certify that the information given above is true and complete to	the best of my knowledge and understa	and that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release to		
public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia		
or the environment. In addition, NMOCD acceptance of a C-141 report		
federal, state, or local laws and/or regulations.		
$\uparrow \land \land$	OIL CONSERV	VATION DIVISION
Signature: PUNN (MONX)		O
	Approved by Environmental Specialis	st:
Printed Name: DeAnn Grant	0/04/0040	()
Title: HSE Administrative Assistant	Approval Date: 6/21/2018	Expiration Date:
		,
E-mail Address: agrant@concho.com	Conditions of Approval:	Attached 🔽
Date: June 18, 2018 Phone: (432) 253-4513	see attached directive	_

* Attach Additional Sheets If Necessary

1RP-5105

nOY1817237904

pOY1817238188

APPENDIX IV

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 Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Robert McNeill	Contact Telephone	(432) 683-7443
Contact email	RMcNeill@concho.com	Incident # (assigned by OCD)	
Contact mailing address	600 West Illinois Avenue, Midlar	nd, Texas 79701	

			Location of	of Release	e Sourc	ee			
Latitude	32.0888	3481		Longitu	ıde	103.6419	9449		_
			(NAD 83 in decir	nal degrees to 5	decimal plac	ces)			
Site Name		Harrier 35 Fe	deral Com #001I	H Site Ty	/pe	Tank Ba	ttery		
Date Release	Discovered	6/18/2018		API# (if applicable,	30-025-4	10572		
Unit Letter	Section	Township	Range	(County				
G	35	25S	32E		Lea				
Surface Owne	r: State	■ Federal □ Ti	ribal 🔲 Private (N	amo.)	

Nature and Volume of Release

Materia	l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Crude Oil	Volume Released (bbls) 0.5	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls) 15	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	■ Yes □ No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		
A hole in the flowlin	e developed due to corrosion.	

Page 13 of 83

Incident ID
District RP
Facility ID
Application ID

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11	NMAC
Photographs of the remediated site prior to backfill or photos o must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and remehuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulative restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the OC Printed Name: Sheldon L. Hitchcock	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in
OCD Only	
Received by:	Date:
remediate contamination that poses a threat to groundwater, surface w party of compliance with any other federal, state, or local laws and/or	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by: Luttan Hall	Date:11/22/2022
Printed Name: Brittany Hall	Title: Environmental Specialist

APPENDIX V



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

COG – HARRIER 35 FED COM 1H (Leak Date: 6/17/18)

RP # 1RP-5105

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-5105.

The following information includes:

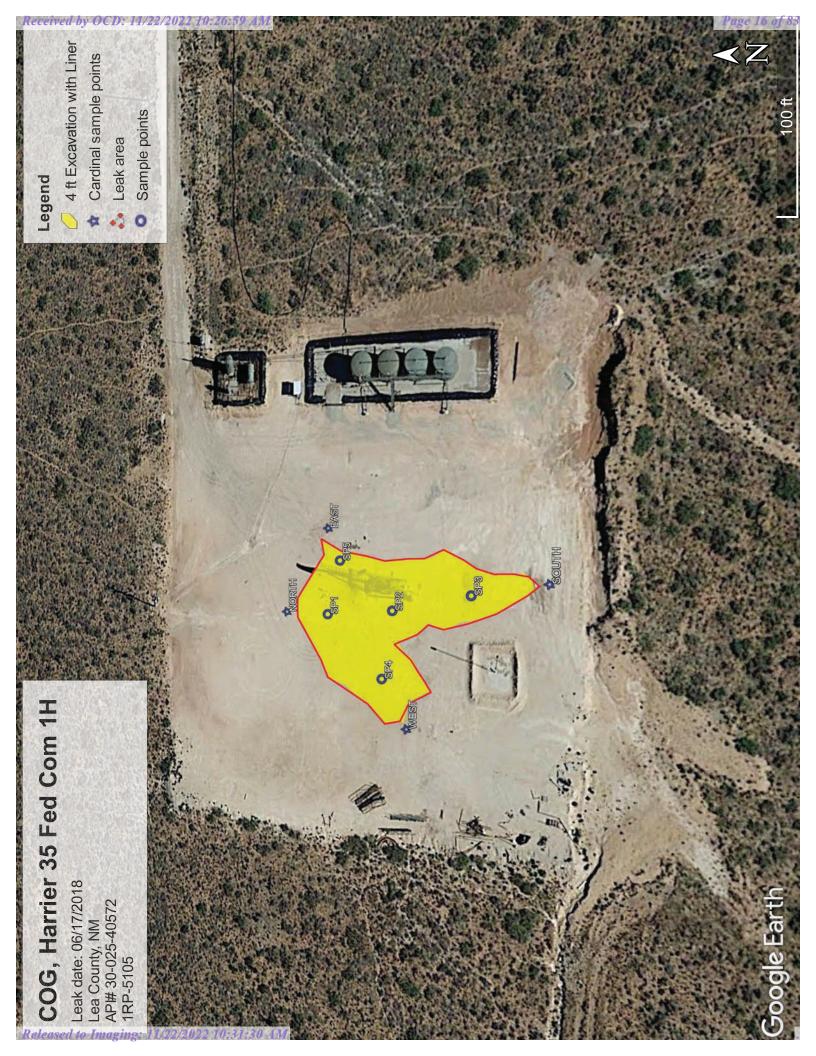
- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
- 4. Laboratory analysis results summary table and original laboratory analysis reports
- 5. A copy of the initial C-141
- 6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

COG will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 4 feet with an impermeable liner placed in the bottom of the excavation.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



COG, Harrier 35 Fed Com 1H

Sample points

SP1, N 32.08883 W-103.64207

SP2, N 32.08870 W-103.64206

SP3, N 32.08856 W-103.64202

SP4, N 32.08873 W-103.64219

SP5, N 32.08881 W-103.64196

NORTH, N 32.08892 W-103.64207

SOUTH, N 32.08842 W-103.64200

EAST, N 32.08883 W-103.64190

WEST, N 32.08868 W-103.64228

Crowndwater 250'





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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 628009 **Northing (Y):** 3551075 **Radius:** 1700

		Publi	ic Land Su	vey System	(PLS	S)		
•	Q64: 💙			Sec: 35 ✓	-		Rng: 32E ✓	
	x : 0 f	State P		inate Systen	n - N/	AD27		>
	X: 0 T	1 : 0	π	zone:				
		State P	lane Coord	inate Systen	n - N/	AD83		
0	x: 0	Y: 0	ft	Zone:				~
		I	Degrees/Mi	nutes/Secon	ds			
0	Longitude (X):	Degi	rees: 0	o Minutes	0	,	Seconds: 0	"
	Latitude (Y):	Deg	rees: 0	° Minutes	s: 0	•	Seconds: 0	
			υтм	- NAD27				
0	Easting (X	(): 0 ·	mtrs	Northing	(Y):	0	mtrs	Zone:
				SUBMIT				
	All Con	version Resu	ılts are dis	played as <u>N<i>A</i></u>	AD 19	983 UTM	Zone 13	
	Easting (X):		mtrs			3551075.0	mtrs	
	~~	Please keep so	creen open t	o copy UTM va	lues 1	or Reports	6. ~~	

n/a n/a

n/a 16

n/a n/a 896 n/a n/a

11/a 11/a 3000 11/a 11/a 11/a

n/a n/a n/a 3280 n/a n/a

> n/a n/a 8080 n/a n/a n/a

> <0.050 <0.150 <0.300 **5280** <10.0 <10.0

SP5 @ 8'

SP5@6'

SP5 @ 4.

SP5 @ 2'

SP5@1

mg/kg

mg/kg n/a n/a

mg/kg n/a

mg/kg n/a n/a

mg/kg <0.050

<0.050

n/a n/a

			SP1 @											SP5@
		Sample ID	Sample ID SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1@6	SP1 @ 8'	SP1 @ 10'			3,	Sample ID	SURFAC
Analyte	Method	Date	7/10/18	7/10/18	81/01/2	7/10/18	7/10/18	7/10/18	7/10/18	4	Analyte	Method	Date	7/11/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					mg/kg
Benzene	BTEX 8021B		<0.100	<0.050	n/a	n/a	n/a	n/a	n/a	Benzene		BTEX 8021B		<0.050
Toluene	BTEX 8021B		0.165	<0.050	n/a	n/a	n/a	n/a	n/a	Toluc	oluene BT	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.477	<0.050	n/a	n/a	n/a	n/a	n/a	Ethyl	thylbenzene BT	BTEX 8021B		0.057
Total Xylenes	otal Xylenes BTEX 8021B		4.09	<0.150	n/a	n/a	n/a	n/a	n/a	Total	otal Xylenes BT	BTEX 8021B		0.231
Total BTEX	BTEX 8021B		4.73	<0.300	n/a	n/a	n/a	n/a	n/a	Total	otal BTEX BT	BTEX 8021B		<0.300
Chloride	SM4500CI-B		10700	2240	5840	0922	2600	2120	512	Chlo	hloride SN	SM4500CI-B		2880
GRO	TPH 8015M		190	<10.0	n/a	n/a	n/a	n/a	n/a	GRO		TPH 8015M		<100
DRO	TPH 8015M		20900	220	n/a	n/a	n/a	n/a	n/a	DRO		TPH 8015M		27800
EXT DRO	TPH 8015M		3630	37.5	n/a	n/a	n/a	n/a	n/a	EXT	EXT DRO TP	TPH 8015M		2690

Cardinal		Sample ID	Sample ID SURFACE	EAST @ SURFACE	WEST @ SURFACE	WEST @ SOUTH @ SURFACE SURFACE	WEST @ SURFACE	SOUTH @
Analyte	Method	Date	7/11/18	7/11/18	7/11/18	7/11/18	7/23/18	7/23/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	050.0>	050.0>	<0.050	n/a	e/u
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		050.0>	050.0>	<0.050	<0.050	n/a	e/u
Total Xylenes	otal Xylenes BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		008'0>	008'0>	<0.300	<0.300	n/a	n/a
Chloride	SM4500CI-B		494	480	946	1040	16	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	u/a

					2	3	1	3	3	
			SP2@							
		Sample ID SURFACE	SURFACE	SP2@1	SP2 @ 2'	SP2 @ 4'	SP2@6'	SP2 @ 8'	SP2@10'	SP2@12
Analyte	Method	Date	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.200	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	0.57	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	0.921	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	Fotal Xylenes BTEX 8021B		<0.150	9.24	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	10.7	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		2160	26000	8660	7730	2800	2720	1630	496
GRO	TPH 8015M		<50.0	690	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		13400	62700	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		2760	9270	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID SURFACE	SP3@ SURFACE	SP3 @ 1.	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	.9 @ EdS
Analyte	Method	Date	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	7/23/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	e/u	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	e/u	e/u	n/a	n/a
Ethylbenzene BTEX 8021B	BTEX 8021B		0.055	<0.050	n/a	e/u	n/a	n/a
Total Xylenes BTEX 8021B	BTEX 8021B		0.221	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	e/u	n/a	n/a
Chloride	SM4500CI-B		42000	736	1840	1500	1090	32
GRO	TPH 8015M		<10.0	10.5	n/a	e/u	n/a	n/a
DRO	TPH 8015M		1980	785	n/a	e/u	n/a	n/a
EXT DRO	TPH 8015M		797	147	e/u	e/u	n/a	n/a

		Sample ID SURFACE	SP4@ SURFACE	SP4 @ 1.	SP4 @ 2.	SP4 @ 4.	SP4@6	SP4 @ 7.	SP4 @ 8.
Analyte	Method	Date	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/23/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene BTEX 8021B	BTEX 8021B		0.064	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes BTEX 8021B	BTEX 8021B		0.298	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		0.361	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		3040	4120	0998	8480	6720	864	<16.0
GRO	TPH 8015M		<100	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		24900	16.1	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		9030	<10.0	u/a	n/a	n/a	n/a	n/a



July 18, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARRIER 35 FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/13/18 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

A .. . l. d D. .. MC

Project Location: NOT GIVEN

Sample ID: SP 1 @ SURFACE (H801915-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	0.165	0.100	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	0.477	0.100	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	4.09	0.300	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	4.73	0.600	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	140	% 69.8-14	12						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10700	16.0	07/16/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	190	100	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	20900	100	07/17/2018	ND	174	86.8	200	19.0	QM-07, QR-03
EXT DRO >C28-C36	3630	100	07/17/2018	ND					
Surrogate: 1-Chlorooctane	127	% 41-142	?						
Surrogate: 1-Chlorooctadecane	1080	% 37.6-14	7						

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 whistoever 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 pervices 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.

Celley D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 1' (H801915-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	07/16/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	220	10.0	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	37.5	10.0	07/17/2018	ND					
Surrogate: 1-Chlorooctane	93.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	98.2	% 37.6-14	7						

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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: Sampling Type: Soil 07/18/2018

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 2' (H801915-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	07/16/2018	ND	416	104	400	0.00	
Sample ID: SP 1 @ 4' (H	801915-04)								

Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	07/16/2018	ND	416	104	400	0.00	

Sample ID: SP 1 @ 6' (H801915-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	07/16/2018	ND	416	104	400	0.00	

Sample ID: SP 1 @ 8' (H801915-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/16/2018	ND	416	104	400	0.00	

Sample ID: SP 1 @ 10' (H801915-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/16/2018	ND	416	104	400	0.00	

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.

Celeg D. Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **NOT GIVEN**

Sample ID: SP 2 @ SURFACE (H801915-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	07/16/2018	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	13400	50.0	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	2760	50.0	07/17/2018	ND					
Surrogate: 1-Chlorooctane	120 9	% 41-142	?						
Surrogata: 1 Chlorocetadaeana	2110	V 37.6.14	7						

841 % Surrogate: 1-Chlorooctadecane 37.6-147

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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: SP 2 @ 1' (H801915-09)

RTFY 8021R

B1EX 8021B	mg	/ kg	Analyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	0.570	0.200	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	0.921	0.200	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	9.24	0.600	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	10.7	1.20	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	07/16/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	690	100	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	62700	100	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	9270	100	07/17/2018	ND					
Surrogate: 1-Chlorooctane	82.5	% 41-142	•						
Surrogate: 1-Chlorooctadecane	2930	% 37.6-14	7						

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 whistoever 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.

Celegy T. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 2' (H801915-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	07/16/2018	ND	400	100	400	3.92	QM-07
Sample ID: SP 2 @ 4' (H8	801915-11)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	07/16/2018	ND	400	100	400	3.92	

Sample ID: SP 2 @ 6' (H801915-12)

Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	07/16/2018	ND	400	100	400	3.92	

Sample ID: SP 2 @ 8' (H801915-13)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	07/16/2018	ND	400	100	400	3.92	

Sample ID: SP 2 @ 10' (H801915-14)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	07/16/2018	ND	400	100	400	3.92	

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 whistoever 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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 12' (H801915-15)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/16/2018	ND	400	100	400	3.92	

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 whistoever 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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NOT GIVEN

Sample ID: SP 3 @ SURFACE (H801915-16)

RTFY 8021R

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Benzene* <0.050 0.050 07/17/2018 ND 1.89 94.4 2.00 0.871 Toluene* <0.055 0.050 07/17/2018 ND 1.83 91.7 2.00 0.206 Ethylbenzene* <0.055 0.050 07/17/2018 ND 1.84 92.2 2.00 1.52 Total Xylenes* <0.221 0.150 07/17/2018 ND 5.72 95.3 6.00 1.24 Surrogate: 4-Bromofluorobenzene (PIL Dilla Surrogate:	BIEX 8021B	тд/кд		Analyzed By: MS						
Toluene* < 0.050 0.050 07/17/2018 ND 1.83 91.7 2.00 0.206 Ethylbenzene* 0.055 0.050 07/17/2018 ND 1.84 92.2 2.00 1.52 Total Xylenes* 0.221 0.150 07/17/2018 ND 5.72 95.3 6.00 1.24 Total BTEX < 0.300 0.300 07/17/2018 ND Surrogate: 4-Bromofluorobenzene (PID 113 ⅓ 69.8-142 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 42000 16.0 07/16/2018 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 GRO C6-C10* < 10.0 10.0 07/16/2018 ND 200 100 200 4.52 DRO >C10-C28* 1980 10.0 07/16/2018 ND 174 86.8 200 19.0 EXT DRO >C28-C36 797 10.0 07/16/2018 ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* 0.055 0.050 07/17/2018 ND 1.84 92.2 2.00 1.52 Total Xylenes* 0.221 0.150 07/17/2018 ND 5.72 95.3 6.00 1.24 Total BTEX <0.300 0.300 07/17/2018 ND ND 7.72 95.3 6.00 1.24 Surrogate: 4-Bromofluorobenzene (PID 113 % 69.8-142 80.0	Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Total Xylenes* 0.221 0.150 07/17/2018 ND 5.72 95.3 6.00 1.24 Total BTEX <0.300	Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Total BTEX <0.300 0.300 07/17/2018 ND Surrogate: 4-Bromofluorobenzene (PID 113 % 69.8-142 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS MC 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Method Blank BS MC Recovery True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank BS MC 200 Method Blank BS MC Recovery True Value QC RPD GRO C6-C10* <10.0	Ethylbenzene*	0.055	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Surrogate: 4-Bromofluorobenzene (PID 113 % 69.8-142 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Reporting Limit Analyzed ND 400 100 400 3.92 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed By: MS Method Blank BS Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 07/16/2018 ND 200 100 200 4.52	Total Xylenes*	0.221	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS MRecovery True Value QC RPD Chloride 42000 16.0 07/16/2018 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS MRecovery True Value QC RPD GRO C6-C10* <10.0 10.0 07/16/2018 ND 200 100 200 4.52	Total BTEX	<0.300	0.300	07/17/2018	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 42000 16.0 07/16/2018 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 GRO C6-C10* <10.0 10.0 07/16/2018 ND 200 100 200 4.52 DRO >C10-C28* 1980 10.0 07/16/2018 ND 174 86.8 200 19.0 EXT DRO >C28-C36 797 10.0 07/16/2018 ND	Surrogate: 4-Bromofluorobenzene (PID	113	% 69.8-14	22						
Chloride 42000 16.0 07/16/2018 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 GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 07/16/2018 ND 200 100 200 4.52 DRO >C10-C28* 1980 10.0 07/16/2018 ND 174 86.8 200 19.0 EXT DRO >C28-C36 797 10.0 07/16/2018 ND	Chloride	42000	16.0	07/16/2018	ND	400	100	400	3.92	
GRO C6-C10* <10.0 10.0 07/16/2018 ND 200 100 200 4.52 DRO >C10-C28* 1980 10.0 07/16/2018 ND 174 86.8 200 19.0 EXT DRO >C28-C36 797 10.0 07/16/2018 ND	TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
DRO >C10-C28* 1980 10.0 07/16/2018 ND 174 86.8 200 19.0 EXT DRO >C28-C36 797 10.0 07/16/2018 ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 797 10.0 07/16/2018 ND	GRO C6-C10*	<10.0	10.0	07/16/2018	ND	200	100	200	4.52	
	DRO >C10-C28*	1980	10.0	07/16/2018	ND	174	86.8	200	19.0	
Surrogate: 1-Chlorooctane 96.8 % 41-142	EXT DRO >C28-C36	797	10.0	07/16/2018	ND					
	Surrogate: 1-Chlorooctane	96.8	% 41-142	?						

Surrogate: 1-Chlorooctadecane 195 % 37.6-147

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 whistoever 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 pervices 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.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 3 @ 1' (H801915-17)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.5	10.0	07/16/2018	ND	200	100	200	4.52	
DRO >C10-C28*	785	10.0	07/16/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	147	10.0	07/16/2018	ND					
Surrogate: 1-Chlorooctane	99.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	129	% 37.6-14	7						

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 whistoever 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



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/10/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 3 @ 2' (H801915-18)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 1840 16.0 07/16/2018 ND 400 100 400 3.92

Sample ID: SP 3 @ 3' (H801915-19)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg BS RPD Analyte Result Reporting Limit Analyzed Method Blank True Value QC Qualifier % Recovery 1500 16.0 07/16/2018 400 400 3.92 Chloride ND 100

Sample ID: SP 3 @ 4' (H801915-20)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 1090 07/16/2018 ND 400 400 3.92 16.0 100

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 whistoever 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 pervices 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.

Celegy Ditreene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NOT GIVEN

Sample ID: SP 4 @ SURFACE (H801915-21)

RTFY 8021R

BIEX 8021B	тд/кд		Апагухей ву: М5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	0.064	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	0.298	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	0.361	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	24900	100	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	5030	100	07/17/2018	ND					
Surrogate: 1-Chlorooctane	122 9	% 41-142	?						

Surrogate: 1-Chlorooctadecane 1380 % 37.6-147

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 whistoever 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 pervices 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



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 4 @ 1' (H801915-22)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	< 0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	16.1	10.0	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	<10.0	10.0	07/17/2018	ND					
Surrogate: 1-Chlorooctane	103 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	96.6	% 37.6-14	7						

Cardinal Laboratories

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.

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 4 @ 2' (H801915-23)

Chloride, SM4500Cl-B	mg	mg/kg		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8560	16.0	07/16/2018	ND	400	100	400	3.92	
Sample ID: SP 4 @ 4' (H8	801915-24)								
Chloride, SM4500Cl-B	mg	mg/kg		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8480	16.0	07/16/2018	ND	400	100	400	3.92	
Sample ID: SP 4 @ 6' (H8	801915-25)								
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	07/16/2018	ND	400	100	400	3.92	
Sample ID: SP 4 @ 7' (H8	801915-26)								
	8 01915-26) mg	/kg	Analyze	d By: AC					
Sample ID: SP 4 @ 7' (H8 Chloride, SM4500Cl-B	•	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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 whistoever 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 pervices 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



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: SP 5 @ SURFACE (H801915-27)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	< 0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	0.057	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	0.231	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	27800	100	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	5690	100	07/17/2018	ND					
Surrogate: 1-Chlorooctane	123	% 41-142	?						
Surrogate: 1-Chlorooctadecane	1550	% 37.6-14	7						

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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 5 @ 1' (H801915-28)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2018	ND	200	100	200	4.52	
DRO >C10-C28*	27.1	10.0	07/17/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	<10.0	10.0	07/17/2018	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.4	% 37.6-14	7						

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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 5 @ 2' (H801915-29)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	07/16/2018	ND	400	100	400	3.92	
Sample ID: SP 5 @ 4' (H8	301915-30)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	07/16/2018	ND	400	100	400	3.92	
Sample ID: SP 5 @ 6' (H8	801915-31)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	07/16/2018	ND	400	100	400	3.92	
Sample ID: SP 5 @ 7' (H8	801915-32)								
•	301915-32) mg	/kg	Analyze	d By: AC					
Sample ID: SP 5 @ 7' (H8 Chloride, SM4500CI-B	•	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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 whistoever 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



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: NORTH @ SURFACE (H801915-33)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2018	ND	200	100	200	4.52	
DRO >C10-C28*	<10.0	10.0	07/16/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	<10.0	10.0	07/16/2018	ND					
Surrogate: 1-Chlorooctane	82.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	75.7	% 37.6-14	7						

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 whistoever 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



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NOT GIVEN

Sample ID: EAST @ SURFACE (H801915-34)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2018	ND	200	100	200	4.52	
DRO >C10-C28*	<10.0	10.0	07/16/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	<10.0	10.0	07/16/2018	ND					
Surrogate: 1-Chlorooctane	89.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	81.1	% 37.6-14	7						

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 whistoever 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 pervices 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.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: WEST @ SURFACE (H801915-35)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2018	ND	200	100	200	4.52	
DRO >C10-C28*	<10.0	10.0	07/16/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	<10.0	10.0	07/16/2018	ND					
Surrogate: 1-Chlorooctane	95.9	% 41-142	•						
Surrogate: 1-Chlorooctadecane	88.0	% 37.6-14	7						

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 whistoever 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.

Celley D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 07/13/2018 Sampling Date: 07/11/2018

Reported: 07/18/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: **NOT GIVEN**

Sample ID: SOUTH @ SURFACE (H801915-36)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2018	ND	1.89	94.4	2.00	0.871	
Toluene*	<0.050	0.050	07/17/2018	ND	1.83	91.7	2.00	0.206	
Ethylbenzene*	<0.050	0.050	07/17/2018	ND	1.84	92.2	2.00	1.52	
Total Xylenes*	<0.150	0.150	07/17/2018	ND	5.72	95.3	6.00	1.24	
Total BTEX	<0.300	0.300	07/17/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	07/16/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2018	ND	200	100	200	4.52	
DRO >C10-C28*	<10.0	10.0	07/16/2018	ND	174	86.8	200	19.0	
EXT DRO >C28-C36	<10.0	10.0	07/16/2018	ND					
Surrogate: 1-Chlorooctane	95.7	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	87.2	% 37.6-14	7						

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.

Celeg D. Keene



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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 whistoever 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 is 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ABDINAL LABORATOBIES

Page 23 of 26

2	8240	476
いしこうこうこうしょうこうこう いっこうこう	101 East Marland, Hobbs, NM 88240	(505) 393-2326 FAX (505) 393-2476
5	sqqc,	(202)
5	nd, H	FAX
	Marla	2326
	East	393-
	101	(502)

Company Nam	Company Name: BBC International, Inc.		01.7718	ANALYSIS REQUEST
Project Manag	Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805). Box 805		Company:	
city: Hobbs	State: NM	Zip: 88241	Attn:	
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:	
Project #:	Project Owner:	Ľ	City:	
Project Name:	HAMILY 35 FEO NOM	H1# mas C	State: Zip:	
Project Location:			Phone #:	
Sampler Name:	Daril	4-mandez	Fax #:	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
		ЯЭТ	#	-7 31
Lab I.D.	Sample I.D.	awdn Tawa Tawa	SASE:	10/21
H801915		eвоп # сои	OTHER OTHER OTHER TIME	
1	SPI OSLRIAGE	7 1 7	7.10.16 933	7
N	101	7	1 OUP 81.01.5 1	
o,	02	7	7-10-18 950	7
31	: 50	7	_	
5	921	7	1 81.01.	7
76	g	1	721 8 01.2	7.
00	502	7		7, 7
a	1 1 1 1	1 1 7	7 10.8 101	7
0/	7	K1 1	17.10.19 111	/
PLEASE NOTE: Liability	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or toot shall be limited to the amount paid by the client for the	any claim arising whether based in contract	t or tort chall he limited to the amount naid he the client for the	

analyses. All claims including those for regisjence and any other cause whatsoever shall be element within 30 days after completion of the applicable service. In no event shall cardinal be liable for incloderal or consequental damages, including without limitation, business interuptions, 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, inequaldies of whether such claim is based upon any of the above started research or hereuses.

Phone Result:
Fax Result:
REMARKS: Time: 45 Time: Date: affiliates or successors arising out of or related to the perfor Relinquished By: Delivered By: (Circle One) ROFT HEMANDEZ Relinquished By:

□ Yes

CHECKED BY: (Initials) 40.#7S ornelied 3,00

Sampler - UPS - Bus - Other:

Has some head Space

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

Page 24 of 26

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	company Name: BBC International, Inc.	ri.	8177 70	ANALYSIS	YSIS REQUEST
Project Manage	Project Manager: Cliff Brunson		P.O. #:		
Address: P.O. Box 805	. Box 805		Company:		
city: Hobbs	Sta	State: NM Zip: 88241	Attn:		
Phone #: 575-397-6388	.397-6388 Fax #:	#: 575-397-0397	Address:		
Project #:	Proje	Project Owner:	City:	11	
Project Name:	HArrier 3	35 FED # 111 COM	State: Zip:	1	
Project Location:	2		Phone #:	, - , -	
Sampler Name:			Fax #:	7,	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	() []	
Lab I.D.	Sample I.D.	AB OR (C)OMP. ATAINERS BATER REMATER TEMATER TEMATER TEMATER TEMATER	COOF BYSE: EK:	8 11	
H801915		екоі # со	OTHE ACIDA		
11	SP204.	7 1 3	7-10.10 133	7	
21	.00	5	ZS1 81.01.t	7	
13	.00	7	7- Dis 229)	
4	010	7 7 7	006 81.01.60	>	
15	17.00		7.10:18 353		
1/6	SU3 @ SUB	tace C. 1 /	V 7-10 18 335	7 7	
17	. 6	2	075 18 300	7 7 0	
01	.7.0	2:	770 81,01-2	7	
61	in.	1.00		7	
20	.H 0	Z	600 81.01.2	/	

PLEASE NOTE: Liability and Damages. Cardmal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of profits incurred by client, its subsidiaries,

Phone Result: Fax Result: REMARKS: CHECKED BY: (Initials) Sample Condition
Cool Intact
Tres Tres
No No Time; 45 w. Time: Date: Delivered By: (Circle One) Relinquished By: Relinquished By

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

"asher

Sampler - UPS - Bus - Other:

YO. #7

Released to Imaging: 11/22/2022 10:31:30 AM

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

IRDINAL LABORATORIES

Page 25 of 26

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

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	*1	B1LL TO	ANALYSIS REQUEST	
Project Manager:	r: Cliff Brunson		P.O. #:		
Address: P.O.	P.O. Box 805	1	Company:		
city: Hobbs	State: NM	Zip: 88241	Attn:		
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:		
Project #:	Project Owner:		City:		
Project Name:			State: Zip:	<i>X</i> : <i>X</i> :	
Project Location:	n:		Phone #:		
Sampler Name:			Fax#:	2	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	77.	
Lab I.D.	Sample I.D.		1ER: 0/86SE: 1-000L 1-000L	7 21 1131	
H801915	() () () () () () () () () ()	OIF SOI MY3 GBG # CG	ICE		
12	504@Suppa	\ \ \ \	7-11-18 945		
22		1	V 7.11.18 BIS	7	
23	0 0	61	1/6 81/1.2	7	
27	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ノーン	7-11-18 945	7	
252	, o	7 1 2	1 7-11-18 1033	1	
26	7	2 - 2	7.11-18 1.055	1	
12	Sprie Surac	13	1 11.18 11.11	7	
22	10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 7-11.18 11.22	1	
62	0.0	7	7-11-18 1133	7	
30	64	7	11.18 115		

analyses. All diams including those for negligence and any other cause whatsoever shall be deemed wahved 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 inclental or consequental damages, including without limitation, business interruptions, loss or loss of notifs incurred by plient, its subsidiaries affiliates or succession straing out of or related to the performance of sewices hereunde by Cardinal, regardless of whiteir such claim is based upon any of the above stated reasons or otherwise. 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 the client for the

Phone Result: Fax Result: REMARKS: CHECKED BY: (Initials), 201 Sample Condition Cool Intact Time: :45 13.30 Time: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By: Relinquished By:

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

orre

Released to Imaging: 11/22/2022 10:31:30 AM

95 Jo 95 əbed ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST TIME SAMPLING DATE 01 TII8 Zip: : A3HTO PRESERV Company: ICE / COOF Address: Phone #: P.O. #: State: Fax #: ACID/BASE: City: Attn: : A3HTO SCUDGE MATRIX OIL NOS **NASTEWATER** Zip: 88241 575-397-0397 **SROUNDWATER** # CONTAINERS (G)RAB OR (C)OMP. Project Owner: State: NM Company Name: BBC International, Inc. Sample I.D. 0 Project Manager: Cliff Brunson 6 25 Address: P.O. Box 805 Phone #: 575-397-6388 Project Location: 350 382 Sampler Name: 31 Project Name: city: Hobbs FOR LAB USE ONLY 4801915 Lab I.D. Project #:

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 30 days after completion of the applicable service. In ro event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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 the client for the

as somethead Add'l Phone #: Add'l Fax #: 2 2 _____ □ Yes Phone Result: Fax Result: REMARKS: (Initials) CHECKED BY: Sample Condition Cool Intact Date: 7.8.18 Time: 45 Collo Time: 13.30 Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

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

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



August 03, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARRIER 35 FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/31/18 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Wite Sough

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,

Mike Snyder For 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: 07/31/2018 Sampling Date: 07/23/2018

Reported: 08/03/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: (6/17/18) Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 3 @ 6' (H802085-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2018	ND	416	104	400	0.00	
Sample ID: SP 4 @ 8' (Ha	802085-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/01/2018	ND	416	104	400	0.00	
Sample ID: SP 5 @ 8' (H8 Chloride, SM4500Cl-B	•	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/01/2018	ND	416	104	400	0.00	
Sample ID: WEST @ SUR	FACE (H80208	5-04)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/01/2018	ND	416	104	400	0.00	

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 whistoever 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 periodice between 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.



Mike Snyder For 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: 07/31/2018 Sampling Date: 07/23/2018

Reported: 08/03/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1H Sampling Condition: Cool & Intact
Project Number: (6/17/18) Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SOUTH @ SURFACE (H802085-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2018	ND	416	104	400	0.00	

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 whistoever 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.

MA-Carrella

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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 whistoever 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.

MA-E-Brake

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240 ARDINAL LABORATORIES Page 5 of 5

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Nam	company Name: BBC International, Inc.									4	ZILL	BILL TO					ANA	ANALYSIS	REQUEST	S		
Project Manager:	er: Cliff Brunson							Α.	P.O. #:	3.0	(_						
Address: P.O. Box 805). Box 805							ŏ	dmc	Company:	Ü	d										
city: Hobbs	State: NM		.: d	Zip: 8824	241	Vacantina		At	Attn:													
Phone #: 575-397-6388	Fax #:	575-397-0397	37-(039	11			Ä	Address:	:SS:												
Project #:	Project Owner: COG	wner:	U	0	10			Ö	City:													
Project Name:	HAGIER 35 F	T.	414	H)	11/2	$\overline{\bar{w}}$	St	State:		Zip:	::										
Project Location:	nr:)			=	Phone #:	#												
Sampler Name:	: Jeff Orneths							Fa	Fax #:													
FOR LAB USE ONLY			_	_		MATRIX	RIX		PR	PRESERV.		SAMPLING	NG	-								
Lab I.D.	Sample I.D.	AMO(3) BO BA	РАВ ОК (С)ОМР. ОИТАІИЕКЗ	SATINATIVE STAWDING	STEWATER		390	EK:	:3SA8\0	COOL	ER:			Moride	2							
H802085		8(9)	to the state of		***************************************	1105	TIQ			ICE '		DATE	TIME)								
		O			_	2				7	1.	13/18	1/23/18 1:00/-	7								
7		O	~		\perp	7				7	17.	23/18	7/23/18 7:03/	1								
n		O	~		-	7		-		7	12	23/18	-ds1:5 81121/L	7		_						
7	West & surface	Ø	_			2		\dashv		1	12	23/18	7/23/18 3:25/1	7								
5	South esurthe	0	0		-	7		-		/	1	23/18	7/23/18 3:30/1-	,								
		/		+	_			\dashv					•									
SI	P. Collection				4													y.				
	A CONTRACTOR OF THE PARTY OF TH		_		\dashv			-														
	2				4			-														
			_	-	_			_														
DI EACE NOTE: Lishility and Damages	and Damage Cardinal's liability and cliente evolucing sema	the fact own : a	-	and and	- othor	boson.	- 0000	of an tor	oho -	mi be	and to the	and for the	too of the	5-19								

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 30 days after completion of the applicable service. In no event shall cardinal within 30 days after completion of the applicable service. In no event shall cardinal within 30 days after completion of the applicable service. In no event shall cardinal within 30 days after completion of the applicable service. In no event shall cardinal within 30 days after completion of the applicable.

% | N rsuch daim is based upon any of the above stated reasons or otherwise.

Phone Result:
Fax Result:
REMARKS: CHECKED BY: (Initials) 2 Sample Condition
Cool Intact

Tyes Pyes
No No Received By: affiliates or successors arising out of or related to the performance of services hereunder by Ca Relinquished By: $|D_{ate}|_{L,L,L,R}$ Date: 31-18 Time: 2.75 correct Sampler - UPS - Bus - Other: Delivered By: (Circle One) Directurz

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

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

Form C-141

Revised April 3, 2017

<u>District I</u> 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

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

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

Sana	a 1°C, 19191 67303	
Release Notificat	ion and Corrective Actio	n
	OPERATOR	
Name of Company: COG Operating LLC (OGRID #229137)	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701 Facility Name: Harrier 35 Federal Com #001H	Telephone No. 432-683-7443 Facility Type: Flowline	
	1 2 21	
Surface Owner: Federal Mineral Own	ner: Federal	API No. 30-025-40572
	ION OF RELEASE	
Unit Letter Section Township Range Feet from the N G 35 25S 32E 1,980	Feet from the North Feet from the 1,500	/West Line County East Lea
	, ,	East Lea
Latitude 32.0888483	Longitude -103.6419449 NAD83	
	RE OF RELEASE	
Type of Release: Oil & Produced Water	Volume of Release: 0.5 bbl. Oil	Volume Recovered: 0 bbl. Oil
	15 bbl. Produced Water	0 bbl. Produced Water
Source of Release: Flowline Leak	Date and Hour of Occurrence: June 17, 2018 3:30pm	Date and Hour of Discovery: June 17, 2018 3:30pm
Was Immediate Notice Given?	If YES, To Whom?	Julie 17, 2018 3.30pm
☐ Yes ☐ No ☐ Not Requi	ired	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Wa	tercourse.
If a Watercourse was Impacted, Describe Fully.*		
The Water Course was impacted, 2 course I amy.	RECEIVED	
		:48 am, Jun 21, 2018
	By Olivia Ta at 5	.40 dili, 0dil 21, 2010
Describe Cause of Problem and Remedial Action Taken.*		
The release was caused by a flowline leak. The flowline is being repla	aced.	
Describe Area Affected and Cleanup Action Taken.*		
The release was on location. A vacuum truck was dispatched to remo		
possible impact from the release and we will present a remediation w		
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain relea	ase notifications and perform corrective ac	ctions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by		
should their operations have failed to adequately investigate and remove the environment. In addition, NMOCD acceptance of a C-141 repo		
federal, state, or local laws and/or regulations.		
T.A. Amile	OIL CONSER'	<u>VATION DIVISION</u>
Signature:		(7\ A
Printed Name: DeAnn Grant	Approved by Environmental Speciali	st:
	6/21/2018	
Title: HSE Administrative Assistant	Approval Date:	Expiration Date:
E-mail Address: agrant@concho.com	Conditions of Approval:	Attached ∇
Data: June 18, 2018 Phone: (432) 253-451	see attached directive	Attached V

* Attach Additional Sheets If Necessary

1RP-5105

nOY1817237904

pOY1817238188

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _6/19/2018_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _1RP-5105__ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _7/21/2018_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

APPENDIX VI



October 23, 2018

LUPE CARRASCO

M & M EXCAVATING, INC.

2737 PECOS HWY

CARLSBAD, NM 88220

RE: HARRIER 35 FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/22/18 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

.... /1...

Project Number: NONE GIVEN

Project Location: COG

Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

Sample ID: N 1 (H803019-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	<0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.8-14.	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/22/2018	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	91.3	% 41-142							
Surrogate: 1-Chlorooctadecane	84.2	% 37.6-14	7						

Applymed By MC

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 whistoever 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



Analytical Results For:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

Project Number: NONE GIVEN

Project Location: COG

Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S 1 (H803019-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	<0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/22/2018	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	100	% 41-142	•						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

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 whistoever 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 groffits incurred by client, is 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. Kune



Analytical Results For:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

Project Number: NONE GIVEN

Project Location: COG

Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S 2 (H803019-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	< 0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/22/2018	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	97.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	89.5	% 37.6-14	7						

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 whistoever 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 groffits incurred by client, is 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. Keine



Analytical Results For:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

NONE GIVEN

ma/ka

Project Location: COG

Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 2 (H803019-04)

Project Number:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	<0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.8-14.	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/22/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	97.5	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	90.4	% 37.6-14	7						

Analyzed By: MC

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

ma/ka

Project Number: NONE GIVEN

Project Location: COG

Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 3 (H803019-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	<0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.8-14.	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/22/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	84.0	% 41-142							
Surrogate: 1-Chlorooctadecane	77.6	% 37.6-14	7						

Analyzed By: MC

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 whistoever 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



Analytical Results For:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

Project Number: NONE GIVEN

Project Location: COG

Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: E 1 (H803019-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	<0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/22/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	84.6	% 41-142)						
Surrogate: 1-Chlorooctadecane	77.6	% 37.6-14	7						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

M & M EXCAVATING, INC. LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: NONE

Received: 10/22/2018 Reported: 10/23/2018

Project Name: HARRIER 35 FED #1H

Project Number: NONE GIVEN

Project Location: COG Sampling Date: 10/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: E 2 (H803019-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2018	ND	1.99	99.3	2.00	2.00	
Toluene*	<0.050	0.050	10/22/2018	ND	1.92	95.9	2.00	0.368	
Ethylbenzene*	<0.050	0.050	10/22/2018	ND	1.94	97.1	2.00	1.19	
Total Xylenes*	<0.150	0.150	10/22/2018	ND	5.60	93.3	6.00	0.537	
Total BTEX	<0.300	0.300	10/22/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/22/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2018	ND	206	103	200	1.38	
DRO >C10-C28*	<10.0	10.0	10/22/2018	ND	225	113	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	10/22/2018	ND					
Surrogate: 1-Chlorooctane	97.9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	91.2	% 37.6-14	7						

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. Keine



Insufficient time to reach temperature.

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

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.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

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

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 whistoever 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.

Celeg D. Freene

Relinquished By:

Date:

Received By:

Time:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager: Address: City: Phone #: Project #: Project Name: Project Location: Sampler Name: FOR LAB USE ONLY	State: Fax #: Project Owner: Here Warnier 35 Fa	(C)OMP. ERS ATER TER MATRIX		12 X	hloridy
Address: City: Phone #: Project #: Project Name: Project Location Sampler Name: FOR LAB USE ONLY	State: Fax #: Project Owner: Here Harrice 35 Feb	ATER MATRIX	SS: Zi #:		h Porida
Phone #: Project #: Project Name: Project Location Sampler Name: FOR LAB USE ONLY	State: Fax #: Project Owner: Here, cr 35 Fa	(C)OMP. ERS ATER ER MATRIX	Ss: Zi		h Poridy
Phone #: Project #: Project Name: Project Location Sampler Name: FOR LAB USE ONLY	Hom Harrier	ATER MATRIX	SS:		h Poridy
Project #: Project Name: Project Location Sampler Name: FOR LAB USE ONLY	Kon Harry	ATER MATRIX	Zij		h Ibridy
Project Name: Project Location Sampler Name: FOR LAB USE ONLY	How Harner	ATER MATRIX	#:		h Poridy
Project Location Sampler Name: FOR LAB USE ONLY		ATER ER MATRIX	#:	ZX	h lori'de
Sampler Name: FOR LAB USE ONLY		ATER MATRIX	ESERV.	TX.	h Poridy
FOR LAB USE ONLY		ERS ATER ER		CX	h Ibridi
		ERS ATER		24	4 Aris
Lab I.D.	Sample I.D.	DW# WAT	ASE OOL	3/	
H803019		# CON GROU WAST SOIL OIL SLUD	OTHE ACID/I ICE / (OTHE DATE	TIME	
	2	-	10/19/18	又 大 天	
2	4			× × ×	
W	52			\$. \$.	
4	52			\$2. \$2. \$2.	
5	W3			2	
6	E)			e X	
7	67			× ×	
PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Ca	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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	any claim arising whether based in contract or edeemed walved unless made in writing and re- ig without limitation, business interruptions, loss	or tort, shall be limited to the amount paid t received by Cardinal within 30 days after c ss of use, or loss of profits incurred by clie	id by the client for the ir completion of the applicable flent, its subsidiaries,	
Relinquished By:	out of or related to the performance of	Cardinal, regardless of whether such claim is b	s based upon any of the above stated reasu	ult: □ Yes	□ No Add'l Phone #:
7	۷.				
	8,200	1 SHOTILE	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Yes □ No Add'I Fax#:

50

Sample Condition
Cool Intact
Tyes Tyes
No No

CHECKED BY: (Initials)

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

Lupe mmx inc (egmail.com

⁺ Cardinal rannot arrent verhal rhannes Bleace fav written rhannes to (878) 202_2228



October 30, 2018

LUPE CARRASCO

MMX

2737 PECOS HWY

CARLSBAD, NM 88220

RE: HARRIER 35 FED COM #1

Enclosed are the results of analyses for samples received by the laboratory on 10/29/18 9:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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:

MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received: 10/29/2018 Sampling Date: 10/19/2018

Reported: 10/30/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By me

Project Location: NOT GIVEN

ma/ka

Sample ID: S 1 (H803078-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2018	ND	1.99	99.4	2.00	6.16	
Toluene*	<0.050	0.050	10/29/2018	ND	1.87	93.7	2.00	6.71	
Ethylbenzene*	<0.050	0.050	10/29/2018	ND	1.86	92.8	2.00	6.60	
Total Xylenes*	<0.150	0.150	10/29/2018	ND	5.61	93.5	6.00	6.08	
Total BTEX	<0.300	0.300	10/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.0	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/29/2018	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2018	ND	205	102	200	11.3	
DRO >C10-C28*	<10.0	10.0	10/29/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/29/2018	ND					
Surrogate: 1-Chlorooctane	101	% 41-142							
Surrogate: 1-Chlorooctadecane	95.3	% 37.6-14	7						

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 whistoever 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. Keine



Analytical Results For:

MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received: 10/29/2018 Sampling Date: 10/19/2018

Reported: Sampling Type: Soil 10/30/2018

Project Name: HARRIER 35 FED COM #1 Sampling Condition: Cool & Intact Sample Received By: Jodi Henson Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sample ID: W 1 (H803078-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2018	ND	1.99	99.4	2.00	6.16	
Toluene*	<0.050	0.050	10/29/2018	ND	1.87	93.7	2.00	6.71	
Ethylbenzene*	<0.050	0.050	10/29/2018	ND	1.86	92.8	2.00	6.60	
Total Xylenes*	<0.150	0.150	10/29/2018	ND	5.61	93.5	6.00	6.08	
Total BTEX	<0.300	0.300	10/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.2	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/29/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2018	ND	205	102	200	11.3	
DRO >C10-C28*	<10.0	10.0	10/29/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/29/2018	ND					
Surrogate: 1-Chlorooctane	90.0	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	83.7	% 37.6-14	7						

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. Keine



Notes and Definitions

Z-01 Surrogates not added to this ms/msd.

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

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

weither channes to IETE 200 200E



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(57	(575) 393-2326 FAX (575) 393-2476		
Company Name:	XMM	BILL TO	ANALYSIS REQUEST
Project Manager:	Lupe Carrasco	P.O. #:	
Address:		Company: COB	
City:	State: Zip:	Attn: Onkota West	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Harner 35 Fed Com #	State: Zip:	
Project Location:		Phone #:	
Sampler Name:		Fax #:	
FOR LAB USE ONLY		MATRIX PRESERV. SAMPLING	
Lab I.D. #803078	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	BTE TPH Chlori
1 0000	# C	10/m/g	<i>x x x x x x x x x x</i>
7	W/	8/16/101	х х
PLEASE NOTE: Liability and Do analyses. All claims including th service. In no event shall Cardin	ent's exclusive remedy for any cause whatsoever shall be de quental damages, including w	ed in contract or tort, shall be limited to the amount paid by the client for in writing and received by Cardinal within 30 days after completion of the interruptions, loss of use, or loss of profits incurred by client, its subsidiar interruptions, loss of use, or loss of profits incurred by client.	for the If the applicable discress,
Relinquished By:	29 18 a		lesult:
Relinguished By:	Tides: 50 MM. Date: Received By:	THUM REMARKS:	& Rush
			togen Supermorking (a) gravilicom
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	199/#97	Sample Condition CMECKED BY: Cool Intact (Initials)	
Sampler - UPS -		7	

Page 5 of 5



November 06, 2018

LUPE CARRASCO

MMX

2737 PECOS HWY

CARLSBAD, NM 88220

RE: HARRIER 35 FED COM #1 H

Enclosed are the results of analyses for samples received by the laboratory on 11/05/18 10:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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:

MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received: 11/05/2018 Sampling Date: 11/02/2018

Reported: 11/06/2018 Sampling Type: Soil

Project Name: HARRIER 35 FED COM #1 H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: E 4 (H803162-01)

BTEX 8260B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/06/2018	ND	1.73	86.4	2.00	1.09	
Toluene*	<0.025	0.025	11/06/2018	ND	1.82	91.2	2.00	0.791	
Ethylbenzene*	<0.025	0.025	11/06/2018	ND	1.78	89.0	2.00	1.33	
Total Xylenes*	<0.075	0.075	11/06/2018	ND	5.71	95.2	6.00	2.97	
Total BTEX	<0.150	0.150	11/06/2018	ND					
Surrogate: Dibromofluoromethane	101 9	% 90.4-11	1						
Surrogate: Toluene-d8	103 9	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	90.5	% 80.1-12	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/05/2018	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2018	ND	184	92.2	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/05/2018	ND	208	104	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/05/2018	ND					
Surrogate: 1-Chlorooctane	95.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	93.3	% 37.6-14	7						

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 whistoever 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.

Celeg D. Freene



Analytical Results For:

MMX

LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220

Fax To: (575) 236-6201

Received: 11/05/2018 Sampling Date: 11/02/2018

Reported: Sampling Type: Soil 11/06/2018 Project Name: HARRIER 35 FED COM #1 H Sampling Condition:

Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: N 2 (H803162-02)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/06/2018	ND	1.73	86.4	2.00	1.09	
Toluene*	<0.025	0.025	11/06/2018	ND	1.82	91.2	2.00	0.791	
Ethylbenzene*	<0.025	0.025	11/06/2018	ND	1.78	89.0	2.00	1.33	
Total Xylenes*	<0.075	0.075	11/06/2018	ND	5.71	95.2	6.00	2.97	
Total BTEX	<0.150	0.150	11/06/2018	ND					
Surrogate: Dibromofluoromethane	101	% 90.4-11	1						
Surrogate: Toluene-d8	102	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	91.4	% 80.1-12	1						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/05/2018	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2018	ND	184	92.2	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/05/2018	ND	208	104	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/05/2018	ND					
Surrogate: 1-Chlorooctane	83.5	% 41-142)						
Surrogate: 1-Chlorooctadecane	83.8	% 37.6-14	7						

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. Keine



Analytical Results For:

MMX

LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220

Fax To: (575) 236-6201

Received: 11/05/2018 Sampling Date: 11/02/2018

Reported: Sampling Type: Soil 11/06/2018

Project Name: HARRIER 35 FED COM #1 H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: N 3 (H803162-03)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/06/2018	ND	1.73	86.4	2.00	1.09	
Toluene*	<0.025	0.025	11/06/2018	ND	1.82	91.2	2.00	0.791	
Ethylbenzene*	<0.025	0.025	11/06/2018	ND	1.78	89.0	2.00	1.33	
Total Xylenes*	<0.075	0.075	11/06/2018	ND	5.71	95.2	6.00	2.97	
Total BTEX	<0.150	0.150	11/06/2018	ND					
Surrogate: Dibromofluoromethane	101	% 90.4-11	1						
Surrogate: Toluene-d8	102	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	87.5	% 80.1-12	1						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/05/2018	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2018	ND	184	92.2	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/05/2018	ND	208	104	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/05/2018	ND					
Surrogate: 1-Chlorooctane	86.8	% 41-142)						
Surrogate: 1-Chlorooctadecane	84.8	% 37.6-14	7						

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. Keine



Analytical Results For:

MMX LUPE CARRASCO 2737 PECOS HWY

CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received: 11/05/2018 Sampling Date: 11/02/2018

Reported: Sampling Type: Soil 11/06/2018

Project Name: HARRIER 35 FED COM #1 H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: N 4 (H803162-04)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/06/2018	ND	1.73	86.4	2.00	1.09	
Toluene*	<0.025	0.025	11/06/2018	ND	1.82	91.2	2.00	0.791	
Ethylbenzene*	<0.025	0.025	11/06/2018	ND	1.78	89.0	2.00	1.33	
Total Xylenes*	<0.075	0.075	11/06/2018	ND	5.71	95.2	6.00	2.97	
Total BTEX	<0.150	0.150	11/06/2018	ND					
Surrogate: Dibromofluoromethane	96.8	% 90.4-11.	I						
Surrogate: Toluene-d8	102	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	88.8	% 80.1-12	1						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	11/05/2018	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2018	ND	184	92.2	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/05/2018	ND	208	104	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	11/05/2018	ND					
Surrogate: 1-Chlorooctane	82.8	% 41-142							
Surrogate: 1-Chlorooctadecane	82.0	% 37.6-14	7						

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. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Relinquished By:

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries

Date: 11-5-18
Time: 10:10
Date:

Fax Result: REMARKS:

□ Yes

N O

Add'l Phone #: Add'l Fax #:

& Kush!

lupe more incleganilicon

Received By:

Time:

Retinquished By:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: MMX		BILL TO	ANALYSIS REQUEST
Project Manager: Lape Carrasco	P.	P.O. #:	
	Cc	Company: COG	
City: State:	Zip: At	Attn: Onkota Nee!	
Phone #: Fax #:	Ac	Address:	
Project #: Project Owner:		City:	
Project Name: Harrier \$35 /	Com #1H	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	Fa	Fax#:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER: DATE	BTEX TPH Chbhil
12	X Q	Milelia	R X X
	2		172
25.00	٩		X
	*		× ×
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 angulation those for neoligence and any other cause whatevever shall be desired websited unless made in writing and contract by Contract by Tortical States and any other cause whatevever shall be desired websited unless made in writing and contract by Contract by Tortical States and any other cause of the caus	y for any claim arising whether based in contract or to	rt, shall be limited to the amount paid by the client to	the

Pardinal assess account worked abanasa Blaces for written abanasa to IETEL 202 2226

Sample Condition
Cool Intact
Pres Pres
No No

CHECKED BY:
(Initials)

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

1st 1

APPENDIX VII







District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 160810

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	160810
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Create: By	d Condition	Condition Date
bhall	None	11/22/2022