



APPROVED

By Olivia Yu at 7:32 am, Dec 29, 2017

DELINEATION WORKPLAN

CHEVRON – WEST DOLLARHIDE DRINKARD UNIT WELL #56

(Leak Date: 7/06/17)

**RP # 1RP-4749
API # 30-025-12349**

NMOCD approves of the delineation completed for 1RP-4749. The proposed remediation is approved with these stipulations: Confirmation sidewall samples 1) must be no greater than 50 ft. apart; 2) sidewall samples near SP1-3 must be tested for BTEX, TPH extended and chlorides; and 3) locations marked with GPS coordinates on a scaled map.

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-4749.

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:

Chevron will remediate the spill area as depicted on the following site diagram. The entire leak area (shaded in blue) will be excavated to a depth of 4 feet. An impermeable liner will be placed in the excavation and then backfilled with clean soil. Sidewall confirmation samples will be collected for verification of horizontal impact to a limit of 600 ppm chloride.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the New Mexico State Land Office. Please see the Revegetation and Noxious Weed Management Plan on page 4.

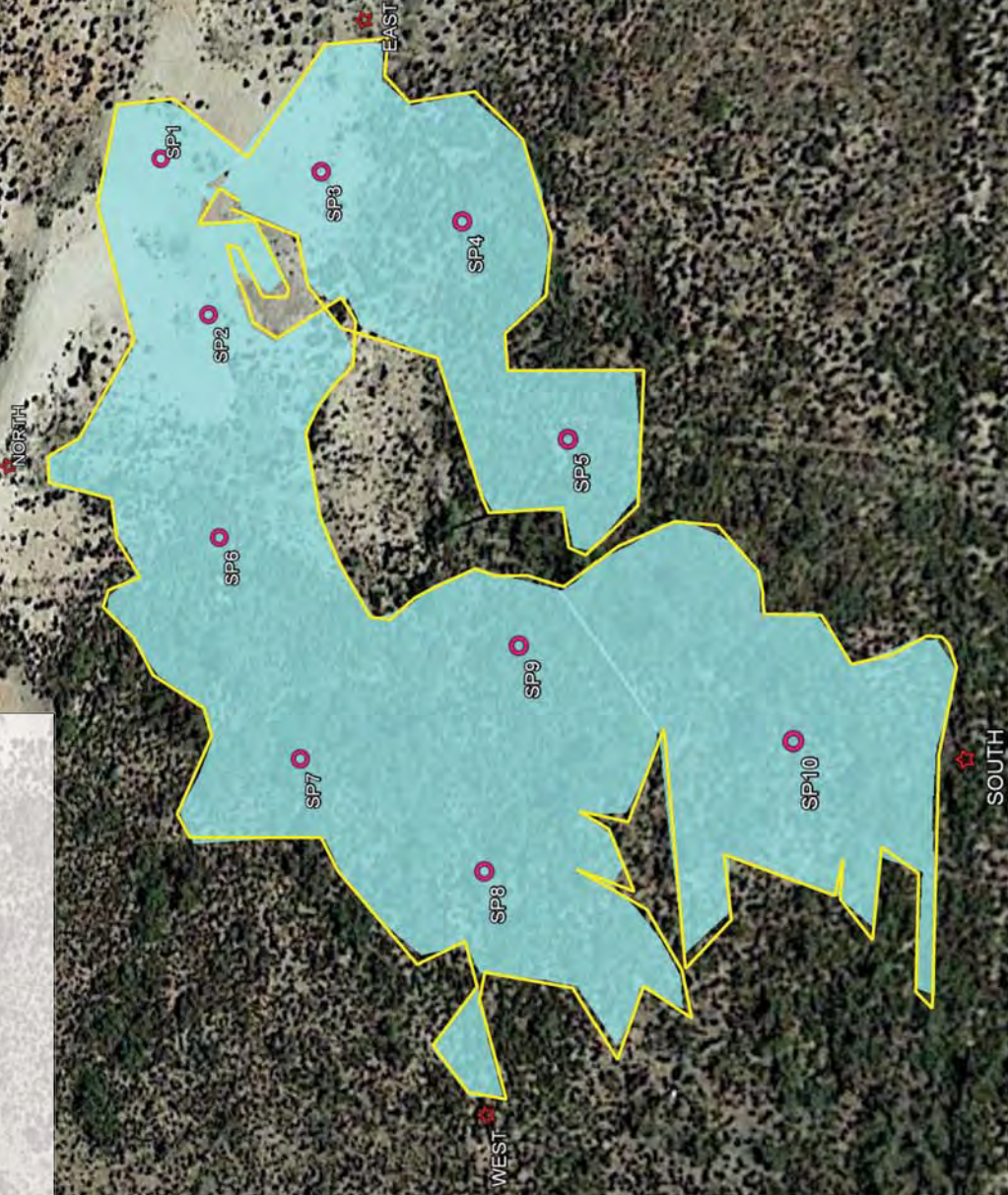
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Chevron, WWDU Well #56

Leak date: 07/06/2017
Lea County, NM
API# 30-025-12349
1RP-4749

Legend

- Cardinal sample points
- Leak Area
- Sample points
- 4 ft Excavation with liner



Chevron, WDDU Well #56

Samples, hand auger

SP1, N 32.17475 W-103.07285

SP2, N 32.17470 W-103.07300

SP3, N 32.17459 W-103.07287

SP4, N 32.17446 W-103.07292

SP5, N 32.17437 W-103.07311

SP6, N 32.17469 W-103.07321

SP7, N 32.17461 W-103.07341

SP8, N 32.17444 W-103.07349

SP9, N 32.17441 W-103.07329

SP10, N 32.17419 W-103.07335

NORTH, N 32.17492 W-103.07315

SOUTH, N 32.17406 W-103.07335

EAST, N 32.17455 W-103.07273

WEST, N 32.17443 W-103.07370



New Mexico State Land Office Revegetation and Noxious Weed Management Plan

CHEVRON – WEST DOLLARHIDE DRINKARD UNIT WELL #56

Revegetation Plan

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season, the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful, as determined by the State Land Office. The seed will be spread by either using a hand-held broadcaster or tractor-mounted broadcaster and the area will be raked or dragged to cover the seed. Since the seed will be broadcast, the pounds per acre will be double over the amount used by drill planting.

The seed mixture will be the appropriate mixture for the specific site and planted in the required amounts of pounds pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered and will not contain primary or secondary noxious weeds.

Gamma grass – 40% - 1.5 lbs. PLS

Buffalo grass – 40% - 1.5 lbs. PLS

Side oats – 10% - 0.5% lbs. PLS

Four wing Salt bush – 10% - 1.5 lbs. PLS

Noxious Weed Management Plan

The site will be visited to assess the establishment of vegetative growth. Personnel performing the site visit will also look for the presence of noxious weeds at the site as indicated on the New Mexico Noxious Weeds List specified on the United States Department of Agriculture website. If a noxious weed is observed at the site, the NMSLO will be contacted to determine the most effective manner to eradicate it.

Chevron, West Dollarhide Drinkard Unit Well #56

U/L E, Section 33, T24S, R38E

Groundwater: 300'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00514 POD1		CP	LE	2	2	2	05	25S	38E	681508	3560414*	<input type="text"/>	1152	140	105 35
CP 00514 POD1	C	CP	LE	2	2	2	05	25S	38E	681508	3560414*	<input type="text"/>	1152	140	105 35

Average Depth to Water: **105 feet**

Minimum Depth: **105 feet**

Maximum Depth: **105 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 681789

Northing (Y): 3561532

Radius: 1700

*UTM location was derived from PLSS - see Help

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

9/14/17 9:03 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

Public Land Survey System (PLSS)

Q64:

Q16:

SW

Q4:

NW

Sec:

33

Tws:

24S

Rng:

38E

State Plane Coordinate System - NAD27

X:

0

ft

Y:

0

ft

Zone:

State Plane Coordinate System - NAD83

X:

0

ft

Y:

0

ft

Zone:

Degrees/Minutes/Seconds

Longitude (X):

Degrees:

0

°

Minutes:

0

'

Seconds:

0

"

Latitude (Y):

Degrees:

0

°

Minutes:

0

'

Seconds:

0

"

UTM - NAD27

Easting (X):

0

mtrs

Northing (Y):

0

mtrs

Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X):

681789.0

mtrs

Northing (Y):

3561532.0

mtrs

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

Laboratory Analytical Results Summary
West Dollarhide Drinkard Unit #56

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 10'
Analyte	Method	Date	9/11/17	9/11/17	9/11/17	9/11/17	9/11/17	9/11/17
			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
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		2560	5040	2120	768	720	80
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		30.9	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		25.3	<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'	SP2 @ 7'	SP2 @ 9'	SP2 @ 10'
Analyte	Method	Date	9/11/17	9/11/17	9/11/17	9/11/17	9/11/17	9/11/17	9/11/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		4000	2400	3520	2520	1120	720	80

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 9'	SP3 @ 10'
Analyte	Method	Date	9/11/17	9/11/17	9/11/17	9/12/17	9/12/17	9/12/17	9/12/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2160	1920	720	944	912	64	64

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 4'	SP4 @ 5'	SP4 @ 7'	SP4 @ 10'
Analyte	Method	Date	9/12/17	9/12/17	9/2/17	9/12/17	9/12/17	9/12/17
			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
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		592	1410	1760	832	64	96
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'	SP5 @ 7'	SP5 @ 10'
Analyte	Method	Date	9/12/17	9/12/17	9/12/17	9/12/17	9/12/17	9/12/17	9/12/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		496	1410	1800	784	736	64	80

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 5'	SP6 @ 7'	SP6 @ 8'	SP6 @ 9'	SP6 @ 10'
Analyte	Method	Date	9/12/17	9/12/17	9/2/17	9/12/17	9/12/17	9/12/17	9/12/17
			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		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		4160	1500	1800	1790	768	64	64
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 5'	SP7 @ 7'	SP7 @ 8'	SP7 @ 10'
Analyte	Method	Date	9/12/17	9/12/17	9/12/17	9/12/17	9/12/17	9/12/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		4240	1960	2760	816	48	64

		Sample	SP8 @ 1'	SP8 @ 2'	SP8 @ 5'	SP8 @ 8'	SP8 @ 11'	SP8 @ 12'	SP8 @ 13'	SP8 @ 18'
Analyte	Method	Date	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17
			mg/Kg	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	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		3360	4800	3520	2520	1140	1180	80	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample	SP9 @ 1'	SP9 @ 3'	SP9 @ 5'	SP9 @ 7'	SP9 @ 10'	SP9 @ 11'
Analyte	Method	Date	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		3440	6080	4160	2600	864	16

Laboratory Analytical Results Summary
West Dollarhide Drinkard Unit #56

		Sample	SP10 @ 1'	SP10 @ 2'	SP10 @ 5'	SP10 @ 7'	SP10 @ 9'	SP10 @ 11'	SP10 @ 14'
Analyte	Method	Date	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17
			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		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		3320	4160	4320	2640	1040	48	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	North @ Surface
Analyte	Method	Date	9/13/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample	East @ Surface
Analyte	Method	Date	9/13/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample	West @ Surface
Analyte	Method	Date	9/13/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample	South @ Surface
Analyte	Method	Date	9/13/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

September 25, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST DOLLARHIDE DRINKARD #56

Enclosed are the results of analyses for samples received by the laboratory on 09/14/17 16:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/11/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 1 @ 1 (H702495-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2017	ND	2.23	112	2.00	2.13	
Toluene*	<0.050	0.050	09/20/2017	ND	2.06	103	2.00	2.29	
Ethylbenzene*	<0.050	0.050	09/20/2017	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	09/20/2017	ND	6.28	105	6.00	1.07	
Total BTX	<0.300	0.300	09/20/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	09/18/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	30.9	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	25.3	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 103 % 28.3-164

Surrogate: 1-Chlorooctadecane 103 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/11/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 1 @ 2 (H702495-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243	
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259	
Total BTEX	<0.300	0.300	09/21/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	09/18/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					


Surrogate: 1-Chlorooctane 85.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.2 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/11/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 1 @ 4 (H702495-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	09/18/2017	ND	432	108	400	3.64	

Sample ID: SP 1 @ 6 (H702495-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	09/18/2017	ND	432	108	400	3.64	

Sample ID: SP 1 @ 8 (H702495-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/18/2017	ND	432	108	400	3.64	

Sample ID: SP 1 @ 10 (H702495-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/18/2017	ND	432	108	400	3.64	

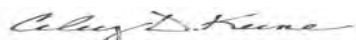
Sample ID: SP 2 @ 1 (H702495-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	09/18/2017	ND	432	108	400	3.64	

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

Received:	09/14/2017	Sampling Date:	09/11/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 2 @ 2 (H702495-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	09/18/2017	ND	432	108	400	3.64		

Sample ID: SP 2 @ 4 (H702495-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	09/18/2017	ND	432	108	400	3.64	

Sample ID: SP 2 @ 6 (H702495-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	09/18/2017	ND	432	108	400	3.64		

Sample ID: SP 2 @ 7 (H702495-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	09/18/2017	ND	432	108	400	3.64		

Sample ID: SP 2 @ 9 (H702495-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/18/2017	ND	432	108	400	3.64	

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Received:	09/14/2017	Sampling Date:	09/11/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 2 @ 10 (H702495-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/18/2017	ND	432	108	400	3.64		

Sample ID: SP 3 @ 1 (H702495-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	09/18/2017	ND	432	108	400	3.64	

Sample ID: SP 3 @ 2 (H702495-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	09/18/2017	ND	432	108	400	3.64		

Sample ID: SP 3 @ 3 (H702495-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	09/18/2017	ND	432	108	400	3.64		

Sample ID: SP 3 @ 5 (H702495-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	09/18/2017	ND	432	108	400	3.64	

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 3 @ 7 (H702495-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 3 @ 9 (H702495-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 3 @ 10 (H702495-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00	

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 4 @ 1 (H702495-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243	
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259	
Total BTX	<0.300	0.300	09/21/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/18/2017	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 92.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.7 % 34.7-157

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

Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 4 @ 2 (H702495-22)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243	
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259	
Total BTX	<0.300	0.300	09/21/2017	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	09/18/2017	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 90.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.8 % 34.7-157

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Fax To: (575) 397-0397

Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 4 @ 4 (H702495-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 4 @ 5 (H702495-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 4 @ 7 (H702495-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 4 @ 10 (H702495-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 5 @ 1 (H702495-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/18/2017	ND	448	112	400	0.00	

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 5 @ 2 (H702495-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 5 @ 4 (H702495-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 5 @ 5 (H702495-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 5 @ 6 (H702495-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 5 @ 7 (H702495-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00	

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 5 @ 10 (H702495-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/18/2017	ND	448	112	400	0.00		

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 6 @ 1 (H702495-34)

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	09/21/2017	ND	1.88	94.2	2.00	0.243		
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676		
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588		
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259		
Total BTEx	<0.300	0.300	09/21/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	09/18/2017	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 97.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.2 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 6 @ 2 (H702495-35)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243	
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259	
Total BTX	<0.300	0.300	09/21/2017	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	09/18/2017	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 90.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.3 % 34.7-157

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Fax To: (575) 397-0397

Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 6 @ 5 (H702495-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 6 @ 7 (H702495-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 6 @ 8 (H702495-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 6 @ 9 (H702495-39)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 6 @ 10 (H702495-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00	

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 7 @ 1 (H702495-41)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 7 @ 2 (H702495-42)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 7 @ 5 (H702495-43)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 7 @ 7 (H702495-44)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 7 @ 8 (H702495-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/18/2017	ND	448	112	400	0.00	

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Received:	09/14/2017	Sampling Date:	09/12/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 7 @ 10 (H702495-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/18/2017	ND	448	112	400	0.00		

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Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 8 @ 1 (H702495-47)

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	09/21/2017	ND	1.88	94.2	2.00	0.243		
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676		
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588		
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259		
Total BTEx	<0.300	0.300	09/21/2017	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	09/18/2017	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 96.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.0 % 34.7-157

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Fax To: (575) 397-0397

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 8 @ 2 (H702495-48)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243	
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259	
Total BTX	<0.300	0.300	09/21/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	09/18/2017	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 93.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 95.2 % 34.7-157

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Fax To: (575) 397-0397

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 8 @ 5 (H702495-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 8 @ 8 (H702495-50)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 8 @ 11 (H702495-51)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 8 @ 12 (H702495-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 8 @ 13 (H702495-53)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/18/2017	ND	448	112	400	0.00	

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Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 8 @ 18 (H702495-54)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 9 @ 1 (H702495-55)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	09/18/2017	ND	448	112	400	0.00	

Sample ID: SP 9 @ 3 (H702495-56)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 9 @ 5 (H702495-57)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	09/18/2017	ND	448	112	400	0.00		

Sample ID: SP 9 @ 7 (H702495-58)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	09/18/2017	ND	416	104	400	3.77	QM-07	

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Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 9 @ 10 (H702495-59)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	09/18/2017	ND	416	104	400	3.77		

Sample ID: SP 9 @ 11 (H702495-60)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/18/2017	ND	416	104	400	3.77		

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Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 10 @ 1 (H702495-61)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243		
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676		
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588		
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259		
Total BTX	<0.300	0.300	09/21/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	09/18/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 89.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.8 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 10 @ 2 (H702495-62)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243	
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259	
Total BTX	<0.300	0.300	09/21/2017	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	09/18/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 88.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.7 % 34.7-157

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Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SP 10 @ 5 (H702495-63)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	09/18/2017	ND	416	104	400	3.77		

Sample ID: SP 10 @ 7 (H702495-64)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	09/18/2017	ND	416	104	400	3.77	

Sample ID: SP 10 @ 9 (H702495-65)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	09/18/2017	ND	416	104	400	3.77		

Sample ID: SP 10 @ 11 (H702495-66)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/18/2017	ND	416	104	400	3.77	

Sample ID: SP 10 @ 14 (H702495-67)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/18/2017	ND	416	104	400	3.77		

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Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: NORTH @ SURFACE (H702495-68)

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	09/21/2017	ND	1.88	94.2	2.00	0.243		
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676		
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588		
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259		
Total BTEx	<0.300	0.300	09/21/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/18/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 86.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.6 % 34.7-157

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Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: EAST @ SURFACE (H702495-69)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/21/2017	ND	1.88	94.2	2.00	0.243		
Toluene*	<0.050	0.050	09/21/2017	ND	1.73	86.6	2.00	0.676		
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.78	89.2	2.00	0.588		
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.45	90.9	6.00	0.259		
Total BTX	<0.300	0.300	09/21/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					


Surrogate: 1-Chlorooctane 84.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.1 % 34.7-157

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Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: WEST @ SURFACE (H702495-70)

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	09/21/2017	ND	1.90	95.2	2.00	0.810		
Toluene*	<0.050	0.050	09/21/2017	ND	1.77	88.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.85	92.4	2.00	1.18		
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.59	93.2	6.00	1.42		
Total BTEX	<0.300	0.300	09/21/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/18/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2017	ND	184	91.8	200	2.06	
DRO >C10-C28	<10.0	10.0	09/18/2017	ND	196	97.9	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	09/18/2017	ND					

Surrogate: 1-Chlorooctane 86.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.4 % 34.7-157

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Analytical Results For:

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

Received:	09/14/2017	Sampling Date:	09/13/2017
Reported:	09/25/2017	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD #56	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO		

Sample ID: SOUTH @ SURFACE (H702495-71)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2017	ND	1.90	95.2	2.00	0.810	
Toluene*	<0.050	0.050	09/21/2017	ND	1.77	88.6	2.00	1.97	
Ethylbenzene*	<0.050	0.050	09/21/2017	ND	1.85	92.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	09/21/2017	ND	5.59	93.2	6.00	1.42	
Total BTX	<0.300	0.300	09/21/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/18/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2017	ND	178	88.9	200	0.398	
DRO >C10-C28	<10.0	10.0	09/19/2017	ND	185	92.3	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	09/19/2017	ND					

Surrogate: 1-Chlorooctane 93.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.7 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company:	same
Address: P.O. Box 805		Attn:	
City: Hobbs		Address:	
State: NM Zip: 88241		City:	
Phone #: 575-397-6388 Fax #: 575-397-0397		State:	
Project #:		Zip:	
Project Name: W. Deliahide Driv and 5th		Phone #:	
Project Location: Lea County		Fax #:	
Sampler Name: Jeff Grubbs			
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS
17084105	1 SP1 @ 1		
	2 SP1 @ 2		
	3 SP1 @ 4		
	4 SP1 @ 6		
	5 SP1 @ 8		
	6 SP1 @ 10		
	7 SP2 @ 1		
	8 SP2 @ 2		
	9 SP2 @ 4		
	10 SP2 @ 6		
		MATRIX	PRESERV
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER :	
		ACID/BASE:	
		ICE / COOL	
		OTHER :	
		DATE	TIME
		4-14-17	4:20 AM
		4:30 AM	
		4:41 AM	
		4:43 AM	
		4:45 AM	
		4:47 AM	
		4:49 AM	
		4:51 AM	
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CARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2048

Company Name: BBC International, Inc.

BILL TO

ANALYSIS REQUEST

Project Manager: Cliff Brunson

P.O. #:

Address: P.O. Box 805

Company:

City: Hobbs

State: NM zip: 88241

Attn:

Phone #: 575-397-6388

Fax #: 575-397-0397

Address:

Project #:

Project Owner: Chevron

City:

Project Name: W. Pellicanville Overland St

State:

Project Location: Lea County

Zip:

Sample Name: TFF Ornelas

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H708495

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

C1

BTEX

TFF BXT

11 SP 2 @ 7

12 SP 2 @ 4

13 SP 2 @ 10

14 SP 3 @ 1

15 SP 3 @ 3

16 SP 3 @ 3

17 SP 3 @ 5

18 SP 3 @ 7

19 SP 3 @ 9

20 SP 3 @ 10

21 SP 3 @ 10

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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 consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date:

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Received By:

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Received By:

Date:

Time:

Received By:

Delivered By: (Circle One)

UPS

Bus

Other

Sample Condition

Cool

Intact

Yes

No

Checked By:

Initials

HC

Phone Result:

Yes

No

Additional Phone #:

Fax Result:

Yes

No

Additional Fax #:

REMARKS:

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

Corrected +.25°C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: <i>Samp</i>	
Address: P.O. Box 805	State: NM Zip: 88241	Attn:	
City: Hobbs	Fax #: 575-397-0397	Address:	
Phone #: 575-397-6388	Project Owner: Chevron	City:	
Project #:	Project Name: Los Dallarhide Driveway #56	State: Zip:	
Project Location: El Paso County	Phone #:	Phone #:	
Sample Name: Jeff Ornelas	Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	CI	BTEX	TPH EXT	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								ACID/BASE:
H702495	SP4 @ 1	C	1									9/12/17	9:53 am	V			
	SP4 @ 2	C	1									9:58 am	9:58 am	V			
	SP4 @ 4	C	1									10:12 am	10:12 am	V			
	SP4 @ 5	C	1									10:20 am	10:20 am	V			
	SP4 @ 7	C	1									10:30 am	10:30 am	V			
	SP4 @ 9	C	1									10:39 am	10:39 am	V			
	SP5 @ 1	C	1									11:03 am	11:03 am	V			
	SP5 @ 2	C	1									11:09 am	11:09 am	V			
	SP5 @ 4	C	1									11:20 am	11:20 am	V			
	SP5 @ 5	C	1									11:24 am	11:24 am	V			

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Relinquished By: <i>Jeff Ornelas</i>	Date: 9/13/17	Received By: <i>Jessie Brandy</i>
Relinquished By: <i>Jessie Brandy</i>	Date: 9/14/17	Received By: <i>Haley Carbo</i>
Delivered By: (Circle One) <i>5.3°C / 5.55°C</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) <i>HC</i>
Sampler - UPS - Bus - Other:	REMARKS:	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Corrected $+0.25^{\circ}\text{C}$

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CARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5048

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: W. Delacade Orinard St

Project Location: Lea County

Sample Name: Tef Crap

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H702495

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ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson		Company: <i>Same</i>																					
Address: P.O. Box 805		Attn:																					
City: Hobbs		Address:																					
State: NM Zip: 88241		City:																					
Phone #: 575-397-6388		State:																					
Fax #: 575-397-0397		Zip:																					
Project #:		Project Owner: <i>Chevron</i>																					
Project Name: <i>W. Dollarhide Driveway #56</i>		Phone #:																					
Project Location: <i>Lea County</i>		Fax #:																					
Sampler Name: <i>Jeff Ornelas</i>		PRESERV		SAMPLING																			
FOR LAB USE ONLY		MATRIX																					
Lab I.D.		Sample I.D.																					
H7024195		(G)RAB OR (C)OMP.																					
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(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:			
State: NM Zip: 88241		City:			
Phone #: 575-397-6388		State:			
Fax #: 575-397-0397		Zip:			
Project #:		Phone #:			
Project Name: W. Pollaridge Driveway #56		Fax #:			
Project Location: LFA County					
Sampler Name: Jeff Ornelas					
FOR LAB USE ONLY					
Lab I.D.		Sample I.D.			
H702495					
C1		(G)RAB OR (C)OMP.			
C2		# CONTAINERS			
C3		GROUNDWATER			
C4		WASTEWATER			
C5		SOIL			
C6		OIL			
C7		SLUDGE			
C8		OTHER :			
C9		ACID/BASE:			
C10		ICE / COOL			
C11		OTHER :			
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7018

ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company: Chevron USA Inc.	Contact: Ricky Bates	
Address: 15 Smith Rd., Midland, TX, 79705	Telephone No.: Work: 432-523-1908 Cell: 432-209-2925	
Facility Name: West Dollarhide Drinkard Unit well 56	Facility Type: Injection well	
Surface Owner: State surface	Mineral Owner: (QLS-091040 – State of New Mexico B-9613 LSE)	API No. 3002512349

LOCATION OF RELEASE

Unit Letter E	Section 33	Township 24-S	Range 38E	Feet from the 2310	North/South Line FNL	Feet from the 330	East/West Line FWL	County Lea
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Latitude: 32.1748 / Longitude: -103.0729



NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 15.6 bbl.	Volume Recovered: 0
Source of Release: Injection line	Date and Hour of Occurrence 7/6/2017 8:30 AM	Date and Hour of Discovery 7/6/2017 8:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu	
By Whom? Ricky Bates	Date and Hour 7/6/2017 1:00 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* N/A	REVIEWED By Olivia Yu at 11:59 am, Jul 10, 2017
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Describe Cause of Problem and Remedial Action Taken.* Leak in 2" fiberglass injection line. One call has been done, we will dig out area to 24 inches' deep, haul contaminated soil to Sundance then sample area.
Describe Area Affected and Cleanup Action Taken.* All water was on well location. contaminated soil will be hauled to Sundance then samples will be taken.

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

 Signature: Ricky Bates		OIL CONSERVATION DIVISION Approved by Environmental Specialist: 	
Printed Name: Ricky Bates			
Title: HES Field Support		Approval Date: 7/10/2017	Expiration Date:
E-mail Address: rbates@chevron.com		Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: 7/6/2017 Phone: 432-209-2925			

1RP-4749

nOY1719143340

pOY1719143682

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 7/6/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-4749 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 division-approved corrective action 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 8/10/2017. 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