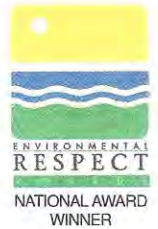


3302 122nd Street
Lubbock, Texas 79423
Mailing Address:
P.O. Box 53427
Lubbock, Texas 79453
Phone: 806-771-8033
Fax: 806-687-6926
www.bccccorp.com



Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Unit O-Sec. 28-T21S-R34E, Lea Co., NM
Produced Water Spill
Affected Surface Area – 12,495 sq. ft. / .29 acre
GPS Coordinates: N32.44395 W103.47352

OCD Case Number 1RP-5069

APPROVED

By Olivia Yu at 11:51 am, Aug 27, 2018

NMOCD grants backfill
approval for 1RP-5069
with conditions. See email
correspondence.

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 April 3, 2017

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: Marshall & Winston Inc.	Contact: Todd Passmore
Address: P.O. Box 50880, Midland TX 79710-0880	Telephone No.: 432-684-6373 (o) or 432-894-0165 (c)
Facility Name: Loco Dinero 36 State 2H	Facility Type Well Locaiton

Surface Owner: State of New Mexico	Mineral Owner: State of New Mexico	API No. 30-025-41856
------------------------------------	------------------------------------	----------------------

LOCATION OF RELEASE

Unit Letter O	Section 28	Township 21S	Range 34E	Feet from the	North/South Line	Feet from the	East/West Line	County
-------------------------	----------------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------

Latitude 32.444014 Longitude -103.473342 NAD83

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 85	Volume Recovered: 0
Source of Release: Pipeline	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? 5/17/18	5/17/18 10:30am
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 9:07 am, May 22, 2018

Describe Cause of Problem and Remedial Action Taken.*

Pipeline split in two. Pipeline was fixed and area surveyed. Pipeline has been taken out of service until further investigation of issues can be determined.

Describe Area Affected and Cleanup Action Taken.*

Strip along ROW and low area in pasture. Mostly narrow area effected to a larger pooling area. Varied 2' in width to 30' in width, with an estimated 200' in length. Actual GPS measure will be taken by BBC Inc. and proposed plan of action to be submitted to the NMCOD.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D 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 NMOC D 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, NMOC D 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.

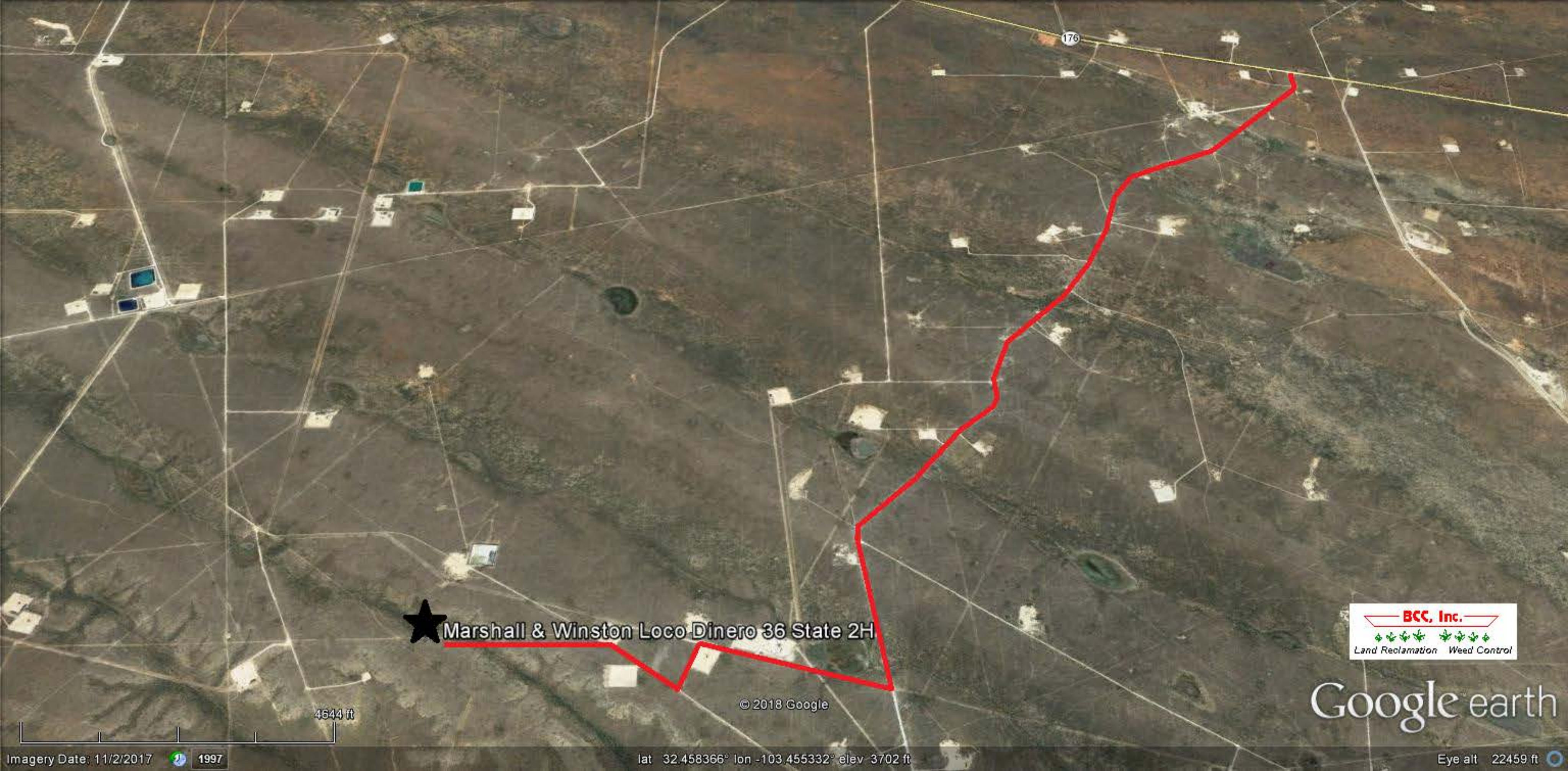
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Todd Passmore	Approved by Environmental Specialist: 	
Title: OPS MGR	Approval Date: 5/22/2018	Expiration Date:
E-mail Address: tpassmore@mar-win.com	Conditions of Approval: see attached directive	Attached ☒
Date: 5/17/18 Phone: 432-684-6373 (o) or 432-894-0165 (c)		

* Attach Additional Sheets If Necessary

1RP-5069

nOY1814233509

pOY1814233737



Marshall & Winston Loco Dinero 36 State 2H



© 2018 Google

Google earth

4544 ft

Imagery Date: 11/2/2017 1997

lat 32.458366° lon -103.455332° elev 3702 ft

Eye alt 22459 ft



Marshall & Winston Loco Dinero 36 State 2H



699 ft

© 2018 Google

Google earth

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Produced Water Spill
Affected Surface Area - 12,495 sq. ft. / .29 acre
GPS Coordinates: N32.44395
W103.47352



Marshall & Winston Loco Dinero 36 State 2H
© 2018 Google

Google earth



Imagery Date: 11/2/2017 1996

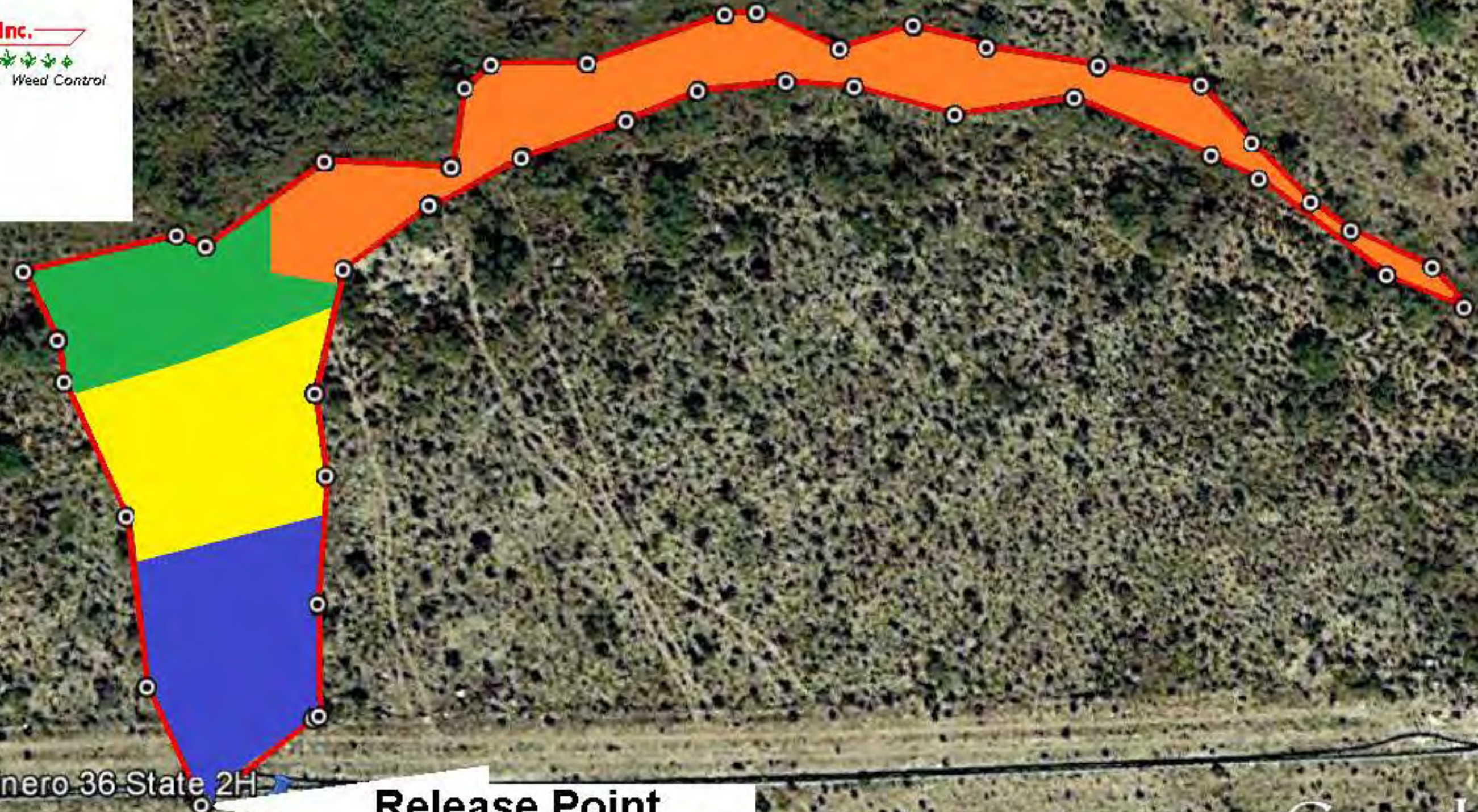
lat 32.444347° lon -103.473434° elev 3703 ft

Eye alt 4370 ft

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Produced Water Spill
Affected Surface Area - 12,495 sq. ft. / .29 acre
GPS Coordinates: N32.44395
W103.47352



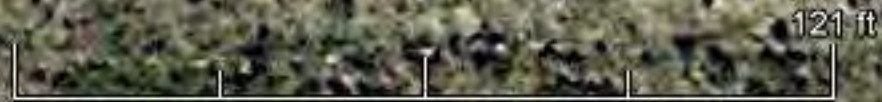
- Excavation Depth - 4 Feet
- Excavation Depth - 8 Feet
- Excavation Depth - 10 Feet
- Excavation Depth - 12 Feet



Marshall & Winston Loco Dinero 36 State 2H

Release Point

Google earth



Imagery Date: 11/2/2017 1996

lat 32.444253° lon -103.473271° elev 3706 ft

Eye alt 4233 ft

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Produced Water Spill
Affected Surface Area - 12,495 sq. ft. / .29 acre
GPS Coordinates: N32.44395
W103.47352



Soil Sample Locations



Google earth



Imagery Date: 11/2/2017 1996

lat 32.444253° lon -103.473271° elev 3706 ft

Eye alt 4233 ft

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
OCD Case Number 1RP-5069

CONFIRMATION BOTTOM SOIL SAMPLES

Sample ID Location	Depth (in. or ft.)	Field or Lab Test	Date Pulled	Chloride (mg/kg)	GPS Coordinates
B1	8'	Lab	8/1/2018	314	N32.444018 W103.473489
B2	10'	Lab	8/1/2018	580	N32.444184 W103.473511
B3	12'	Lab	8/1/2018	220	N32.444301 W103.473540
B4	4'	Lab	7/26/2018	183	N32.444367 W103.473379
B5	4'	Lab	7/26/2018	191	N32.444449 W103.473179
B6	4'	Lab	7/26/2018	185	N32.444467 W103.472919
B7	4'	Lab	7/26/2018	3.13	N32.444430 W103.472673
B8	4'	Lab	7/26/2018	3.29	N32.444317 W103.472481

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
OCD Case Number 1RP-5069

CONFIRMATION SIDEWALL SOIL SAMPLES

Sample ID Location	Depth (in. or ft.)	Field or Lab Test	Date Pulled	Chloride (mg/kg)	GPS Coordinates
S1	0 - 6"	Lab	8/1/2018	447	N32.443973 W103.473469
S2	0 - 6"	Lab	8/1/2018	5.46	N32.444065 W103.473576
S3	0 - 6"	Lab	8/1/2018	2.14	N32.444189 W103.473615
S4	0 - 6"	Lab	8/1/2018	380	N32.444296 W103.473666
S5	0 - 6"	Lab	8/1/2018	1.90	N32.444339 W103.473569
S6	0 - 6"	Lab	7/26/2018	14.7	N32.444395 W103.473369
S7	0 - 6"	Lab	7/26/2018	160	N32.444475 W103.473175
S8	0 - 6"	Lab	7/26/2018	490	N32.444489 W103.472952
S9	0 - 6"	Lab	7/26/2018	105	N32.444462 W103.472713
S10	0 - 6"	Lab	7/26/2018	144	N32.444360 W103.472555
S11	0 - 6"	Lab	7/26/2018	55.6	N32.444292 W103.472440
S12	0 - 6"	Lab	7/26/2018	49.7	N32.444346 W103.472552
S13	0 - 6"	Lab	7/26/2018	75.1	N32.444437 W103.472759
S14	0 - 6"	Lab	7/26/2018	106	N32.444453 W103.472998
S15	0 - 6"	Lab	7/26/2018	146	N32.444400 W103.473255
S16	0 - 6"	Lab	8/1/2018	4.79	N32.444270 W103.473421
S17	0 - 6"	Lab	8/1/2018	592	N32.444129 W103.473423



08 01 2018



08 01 2018



08 01 2018



08.01.2018



08 01 2018



Certificate of Analysis Summary 594553

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Marshall & Winston, Inc.

Project Id:

Contact: Paul Porter

Project Location: Loco Dinero, '36' State 2H

Date Received in Lab: Thu Aug-02-18 01:15 pm

Report Date: 10-AUG-18

Project Manager: Brandi Ritcherson

<i>Analysis Requested</i>	<i>Lab Id:</i>	594553-001	594553-002	594553-003	594553-004	594553-005	594553-006
	<i>Field Id:</i>	S-1	S-2	S-3	S-4	S-5	S-6
	<i>Depth:</i>	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Aug-01-18 13:00	Aug-01-18 13:10	Aug-01-18 13:20	Aug-01-18 13:30	Aug-01-18 13:40	Jul-26-18 14:00
Chloride by EPA 300 SUB: TX104704215-18-26	<i>Extracted:</i>	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00
	<i>Analyzed:</i>	Aug-08-18 09:44	Aug-08-18 21:43	Aug-08-18 21:51	Aug-08-18 22:00	Aug-08-18 22:08	Aug-08-18 22:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		447 9.96	5.46 J 9.88	2.14 J 9.86	380 9.84	1.90 J 9.88	14.7 9.86

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The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
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Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager



Certificate of Analysis Summary 594553

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Marshall & Winston, Inc.

Project Id:

Contact: Paul Porter

Project Location: Loco Dinero, '36' State 2H

Date Received in Lab: Thu Aug-02-18 01:15 pm

Report Date: 10-AUG-18

Project Manager: Brandi Ritcherson

<i>Analysis Requested</i>	<i>Lab Id:</i>	594553-007	594553-008	594553-009	594553-010	594553-011	594553-012
	<i>Field Id:</i>	S-7	S-8	S-9	S-10	S-11	S-12
	<i>Depth:</i>	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jul-26-18 14:10	Jul-26-18 14:20	Jul-26-18 14:30	Jul-26-18 14:40	Jul-26-18 14:50	Jul-26-18 15:00
Chloride by EPA 300 SUB: TX104704215-18-26	<i>Extracted:</i>	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00	Aug-08-18 09:00
	<i>Analyzed:</i>	Aug-08-18 22:25	Aug-08-18 22:34	Aug-08-18 22:42	Aug-08-18 23:08	Aug-08-18 23:16	Aug-08-18 23:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		160 9.92	490 9.94	105 9.82	144 9.78	55.6 9.73	49.7 9.77

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Holly Taylor
Project Manager



Certificate of Analysis Summary 594553

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Marshall & Winston, Inc.

Project Id:

Contact: Paul Porter

Project Location: Loco Dinero, '36' State 2H

Date Received in Lab: Thu Aug-02-18 01:15 pm

Report Date: 10-AUG-18

Project Manager: Brandi Ritcherson

<i>Analysis Requested</i>	<i>Lab Id:</i>	594553-013	594553-014	594553-015	594553-016	594553-017	594553-018
	<i>Field Id:</i>	S-13	S-14	S-15	S-16	S-17	B-1
	<i>Depth:</i>	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In	96- In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jul-26-18 15:10	Jul-26-18 15:20	Jul-26-18 15:30	Aug-01-18 13:50	Aug-01-18 14:00	Aug-01-18 14:15
Chloride by EPA 300 SUB: TX104704215-18-26	<i>Extracted:</i>	Aug-08-18 09:00	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50
	<i>Analyzed:</i>	Aug-08-18 23:50	Aug-09-18 01:58	Aug-09-18 02:06	Aug-09-18 02:15	Aug-09-18 02:23	Aug-09-18 02:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		75.1 9.82	106 20.0	146 9.94	4.79 J 9.92	592 20.0	314 9.96

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Holly Taylor
Project Manager



Certificate of Analysis Summary 594553

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Marshall & Winston, Inc.

Project Id:

Contact: Paul Porter

Project Location: Loco Dinero, '36' State 2H

Date Received in Lab: Thu Aug-02-18 01:15 pm

Report Date: 10-AUG-18

Project Manager: Brandi Ritcherson

<i>Analysis Requested</i>	<i>Lab Id:</i>	594553-019	594553-020	594553-021	594553-022	594553-023	594553-024
	<i>Field Id:</i>	B-2	B-3	B-4	B-5	B-6	B-7
	<i>Depth:</i>	120- In	144- In	48- In	48- In	48- In	48- In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Aug-01-18 14:25	Aug-01-18 14:35	Jul-26-18 15:50	Jul-26-18 16:00	Jul-26-18 16:10	Jul-26-18 16:20
Chloride by EPA 300 SUB: TX104704215-18-26	<i>Extracted:</i>	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50	Aug-08-18 12:50
	<i>Analyzed:</i>	Aug-09-18 02:40	Aug-09-18 02:49	Aug-09-18 00:41	Aug-09-18 00:50	Aug-09-18 01:15	Aug-09-18 01:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		580 9.82	220 9.88	183 9.98	191 9.96	185 9.86	3.13 J 9.88

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Holly Taylor
Project Manager



Certificate of Analysis Summary 594553

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Marshall & Winston, Inc.

Project Id:

Contact: Paul Porter

Project Location: Loco Dinero, '36' State 2H

Date Received in Lab: Thu Aug-02-18 01:15 pm

Report Date: 10-AUG-18

Project Manager: Brandi Ritcherson

Analysis Requested	Lab Id:	594553-025					
	Field Id:	B-8					
	Depth:	48- In					
	Matrix:	SOIL					
	Sampled:	Jul-26-18 16:30					
Chloride by EPA 300 SUB: TX104704215-18-26	Extracted:	Aug-08-18 12:50					
	Analyzed:	Aug-09-18 01:32					
	Units/RL:	mg/kg RL					
Chloride		3.29 J 9.82					

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager

Analytical Report 594553

**for
BCC, Inc.-Lubbock**

**Project Manager: Paul Porter
Marshall & Winston, Inc.**

10-AUG-18

Collected By: Client



6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-26), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-17-16), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab Code: TX00158): Texas (T104704400-18-15)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)



10-AUG-18

Project Manager: **Paul Porter**
BCC, Inc.-Lubbock
3302 122nd St
P.O. Box 53427
Lubbock, TX 79453

Reference: XENCO Report No(s): **594553**
Marshall & Winston, Inc.
Project Address: Loco Dinero, '36' State 2H

Paul Porter :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 594553. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 594553 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'. The signature is written in a cursive, flowing style.

Holly Taylor
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1	S	08-01-18 13:00	0 - 6 In	594553-001
S-2	S	08-01-18 13:10	0 - 6 In	594553-002
S-3	S	08-01-18 13:20	0 - 6 In	594553-003
S-4	S	08-01-18 13:30	0 - 6 In	594553-004
S-5	S	08-01-18 13:40	0 - 6 In	594553-005
S-6	S	07-26-18 14:00	0 - 6 In	594553-006
S-7	S	07-26-18 14:10	0 - 6 In	594553-007
S-8	S	07-26-18 14:20	0 - 6 In	594553-008
S-9	S	07-26-18 14:30	0 - 6 In	594553-009
S-10	S	07-26-18 14:40	0 - 6 In	594553-010
S-11	S	07-26-18 14:50	0 - 6 In	594553-011
S-12	S	07-26-18 15:00	0 - 6 In	594553-012
S-13	S	07-26-18 15:10	0 - 6 In	594553-013
S-14	S	07-26-18 15:20	0 - 6 In	594553-014
S-15	S	07-26-18 15:30	0 - 6 In	594553-015
S-16	S	08-01-18 13:50	0 - 6 In	594553-016
S-17	S	08-01-18 14:00	0 - 6 In	594553-017
B-1	S	08-01-18 14:15	96 In	594553-018
B-2	S	08-01-18 14:25	120 In	594553-019
B-3	S	08-01-18 14:35	144 In	594553-020
B-4	S	07-26-18 15:50	48 In	594553-021
B-5	S	07-26-18 16:00	48 In	594553-022
B-6	S	07-26-18 16:10	48 In	594553-023
B-7	S	07-26-18 16:20	48 In	594553-024
B-8	S	07-26-18 16:30	48 In	594553-025



CASE NARRATIVE

Client Name: BCC, Inc.-Lubbock

Project Name: Marshall & Winston, Inc.

Project ID:

Work Order Number(s): 594553

Report Date: 10-AUG-18

Date Received: 08/02/2018

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-1
Lab Sample Id: 594553-001

Matrix: Soil
Date Collected: 08.01.18 13.00

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Date Prep: 08.08.18 09.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	447	9.96	0.353	mg/kg	08.08.18 09.44		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-2
Lab Sample Id: 594553-002

Matrix: Soil
Date Collected: 08.01.18 13.10

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Date Prep: 08.08.18 09.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.46	9.88	0.350	mg/kg	08.08.18 21.43	J	1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-3
Lab Sample Id: 594553-003

Matrix: Soil
Date Collected: 08.01.18 13.20

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Date Prep: 08.08.18 09.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2.14	9.86	0.349	mg/kg	08.08.18 21.51	J	1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-4
Lab Sample Id: 594553-004

Matrix: Soil
Date Collected: 08.01.18 13.30

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 09.00

Basis: Wet Weight

Seq Number: 3059289

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	380	9.84	0.348	mg/kg	08.08.18 22.00		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-5
Lab Sample Id: 594553-005

Matrix: Soil
Date Collected: 08.01.18 13.40

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Date Prep: 08.08.18 09.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1.90	9.88	0.350	mg/kg	08.08.18 22.08	J	1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-6
Lab Sample Id: 594553-006

Matrix: Soil
Date Collected: 07.26.18 14.00

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.7	9.86	0.349	mg/kg	08.08.18 22.17		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-7
Lab Sample Id: 594553-007

Matrix: Soil
Date Collected: 07.26.18 14.10

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Date Prep: 08.08.18 09.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	160	9.92	0.351	mg/kg	08.08.18 22.25		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-8
Lab Sample Id: 594553-008

Matrix: Soil
Date Collected: 07.26.18 14.20

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Date Prep: 08.08.18 09.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	490	9.94	0.352	mg/kg	08.08.18 22.34		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-9
Lab Sample Id: 594553-009

Matrix: Soil
Date Collected: 07.26.18 14.30

Date Received: 08.02.18 13.15
Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059289

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	105	9.82	0.348	mg/kg	08.08.18 22.42		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-10

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-010

Date Collected: 07.26.18 14.40

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 09.00

Basis: Wet Weight

Seq Number: 3059289

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	144	9.78	0.346	mg/kg	08.08.18 23.08		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-11

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-011

Date Collected: 07.26.18 14.50

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 09.00

Basis: Wet Weight

Seq Number: 3059289

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	55.6	9.73	0.344	mg/kg	08.08.18 23.16		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-12

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-012

Date Collected: 07.26.18 15.00

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 09.00

Basis: Wet Weight

Seq Number: 3059289

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	49.7	9.77	0.346	mg/kg	08.08.18 23.42		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-13

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-013

Date Collected: 07.26.18 15.10

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 09.00

Basis: Wet Weight

Seq Number: 3059289

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	75.1	9.82	0.348	mg/kg	08.08.18 23.50		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-14

Lab Sample Id: 594553-014

Matrix: Soil

Date Collected: 07.26.18 15.20

Date Received: 08.02.18 13.15

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Prep Method: E300P

% Moisture:

Date Prep: 08.08.18 12.50

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	106	20.0	0.708	mg/kg	08.10.18 10.49		20



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-15

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-015

Date Collected: 07.26.18 15.30

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 12.50

Basis: Wet Weight

Seq Number: 3059388

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	146	9.94	0.352	mg/kg	08.09.18 02.06		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-16

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-016

Date Collected: 08.01.18 13.50

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 12.50

Basis: Wet Weight

Seq Number: 3059388

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4.79	9.92	0.351	mg/kg	08.09.18 02.15	J	1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: S-17

Matrix: Soil

Date Received: 08.02.18 13.15

Lab Sample Id: 594553-017

Date Collected: 08.01.18 14.00

Sample Depth: 0 - 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 12.50

Basis: Wet Weight

Seq Number: 3059388

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	592	20.0	0.708	mg/kg	08.10.18 10.59		20



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-1**
Lab Sample Id: 594553-018

Matrix: Soil
Date Collected: 08.01.18 14.15

Date Received: 08.02.18 13.15
Sample Depth: 96 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 08.08.18 12.50

Basis: Wet Weight

Seq Number: 3059388

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	314	9.96	0.353	mg/kg	08.09.18 02.32		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-2**
Lab Sample Id: 594553-019

Matrix: Soil
Date Collected: 08.01.18 14.25

Date Received: 08.02.18 13.15
Sample Depth: 120 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	580	9.82	0.348	mg/kg	08.09.18 02.40		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-3**
Lab Sample Id: 594553-020

Matrix: Soil
Date Collected: 08.01.18 14.35

Date Received: 08.02.18 13.15
Sample Depth: 144 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	220	9.88	0.350	mg/kg	08.09.18 02.49		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-4**
Lab Sample Id: 594553-021

Matrix: Soil
Date Collected: 07.26.18 15.50

Date Received: 08.02.18 13.15
Sample Depth: 48 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	183	9.98	0.353	mg/kg	08.09.18 00.41		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-5**
Lab Sample Id: 594553-022

Matrix: Soil
Date Collected: 07.26.18 16.00

Date Received: 08.02.18 13.15
Sample Depth: 48 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	191	9.96	0.353	mg/kg	08.09.18 00.50		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-6**
Lab Sample Id: 594553-023

Matrix: Soil
Date Collected: 07.26.18 16.10

Date Received: 08.02.18 13.15
Sample Depth: 48 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	185	9.86	0.349	mg/kg	08.09.18 01.15		1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-7**
Lab Sample Id: 594553-024

Matrix: Soil
Date Collected: 07.26.18 16.20

Date Received: 08.02.18 13.15
Sample Depth: 48 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3.13	9.88	0.350	mg/kg	08.09.18 01.24	J	1



Certificate of Analytical Results 594553

BCC, Inc.-Lubbock, Lubbock, TX

Marshall & Winston, Inc.

Sample Id: **B-8**
Lab Sample Id: 594553-025

Matrix: Soil
Date Collected: 07.26.18 16.30

Date Received: 08.02.18 13.15
Sample Depth: 48 In

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3059388

Date Prep: 08.08.18 12.50

Prep Method: E300P

% Moisture:

Basis: Wet Weight

SUB: TX104704215-18-26

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3.29	9.82	0.348	mg/kg	08.09.18 01.32	J	1

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

****** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BCC, Inc.-Lubbock
Marshall & Winston, Inc.

Analytical Method: Chloride by EPA 300

Seq Number: 3059289

MB Sample Id: 7659990-1-BLK

Matrix: Solid

LCS Sample Id: 7659990-1-BKS

Prep Method: E300P

Date Prep: 08.08.18

LCSD Sample Id: 7659990-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.354	100	94.8	95	94.9	95	80-120	0	20	mg/kg	08.08.18 09:23	

Analytical Method: Chloride by EPA 300

Seq Number: 3059388

MB Sample Id: 7659995-1-BLK

Matrix: Solid

LCS Sample Id: 7659995-1-BKS

Prep Method: E300P

Date Prep: 08.08.18

LCSD Sample Id: 7659995-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.354	100	98.7	99	101	101	80-120	2	20	mg/kg	08.09.18 00:24	

Analytical Method: Chloride by EPA 300

Seq Number: 3059289

Parent Sample Id: 594553-001

Matrix: Soil

MS Sample Id: 594553-001 S

Prep Method: E300P

Date Prep: 08.08.18

MSD Sample Id: 594553-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	447	99.8	529	82	529	82	80-120	0	20	mg/kg	08.08.18 09:54	

Analytical Method: Chloride by EPA 300

Seq Number: 3059388

Parent Sample Id: 594553-025

Matrix: Soil

MS Sample Id: 594553-025 S

Prep Method: E300P

Date Prep: 08.08.18

MSD Sample Id: 594553-025 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3.29	98.6	110	108	116	114	80-120	5	20	mg/kg	08.10.18 14:49	

Analytical Method: Chloride by EPA 300

Seq Number: 3059388

Parent Sample Id: 594617-001

Matrix: Soil

MS Sample Id: 594617-001 S

Prep Method: SW9056P

Date Prep: 08.08.18

MSD Sample Id: 594617-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13000	117	17300	3675	17300	3675	80-120	0	20	mg/kg	08.09.18 11:28	X

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Service Center- Amarillo, TX (806)678-4514
Service Center- Hobbs, NM (575) 392-7550

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594553

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Client / Reporting Information				Project Information				Analytical Information				Matrix Codes				
Company Name / Branch: BCC, Inc.				Project Name/Number: Marshall & Winston, Inc.												
Company Address: 3302 122nd Lubbock, TX 79424				Project Location: Loco Diner 36 State & H												
Email: bccorp@aol.com				Invoice To: BCC, Inc.												
Phone: 806				P.O. Box: 53427												
Project Contact: Paul Porter				Lubbock, TX 79453												
Samplers Name: Paul Porter				PO Number:												
No.	Field ID / Point of Collection	Sample Depth	Collection	Date	Time	Matrix	# of bottles	Number of preserved bottles				Field Comments				
								HCl	NaOH/Zn	Acetate	HNO3	H2SO4	NaOH	MeOH	NONE	
1	S-11	0-6"		7/24/18	2:50	S	1									
2	S-12	0-6"		7/24/18	3:00	S	1									
3	S-13	0-6"		7/24/18	3:10	S	1									
4	S-14	0-6"		7/24/18	3:20	S	1									
5	S-15	0-6"		7/24/18	3:30	S	1									
6	S-16	0-6"		8/1	1:50	S	1									
7	S-17	0-6"		8/1	2:00	S	1									
8	B-1	96"		8/1	2:15	S	1									
9	B-2	120"		8/1	2:25	S	1									
20	B-3	144"		8/1	2:35	S	1									
Turnaround Time (Business days)																
☐ Same Day TAT ☐ 5 Day TAT ☐ Level II Std QC ☐ Level IV (Full Data Pkg /raw data) ☐ Next Day EMERGENCY ☐ 7 Day TAT ☐ Level III Std QC+ Forms ☐ TRRP Level IV ☐ 2 Day EMERGENCY ☐ Contract TAT ☐ Level 3 (CLP Forms) ☐ UST / RG -411 ☐ 3 Day EMERGENCY ☐ Level II Report with TRRP checklist																
TAT Starts Day received by Lab, if received by 5:00 pm																
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																
Relinquished by: Paul Porter				Received By: Paul Porter				Date Time: 8/2/18 13:15				Relinquished By: Paul Porter				
Relinquished by: Paul Porter				Received By: Paul Porter				Date Time: 8/2/18 13:15				Relinquished By: Paul Porter				
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Relinquished by: Paul Porter				Received By: Paul Porter				Date Time: 8/2/18 13:15				Relinquished By: Paul Porter				

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.



Inter-Office Shipment

Page 1 of 2

IOS Number **111630**

Date/Time: 08/03/18 15:33

Created by: Ashley Derstine

Please send report to: Brandi Ritcherson

Lab# From: **Lubbock**

Delivery Priority:

Address: 6701 Aberdeen, Suite 9 Lubbock, TX 79424

Lab# To: **Houston**

Air Bill No.: 772897520590

Phone:

E-Mail: brandi.ritcherson@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
594553-001	S	S-1	08/01/18 13:00	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-002	S	S-2	08/01/18 13:10	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-003	S	S-3	08/01/18 13:20	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-004	S	S-4	08/01/18 13:30	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-005	S	S-5	08/01/18 13:40	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-006	S	S-6	07/26/18 14:00	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-007	S	S-7	07/26/18 14:10	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-008	S	S-8	07/26/18 14:20	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-009	S	S-9	07/26/18 14:30	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-010	S	S-10	07/26/18 14:40	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-011	S	S-11	07/26/18 14:50	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-012	S	S-12	07/26/18 15:00	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-013	S	S-13	07/26/18 15:10	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-014	S	S-14	07/26/18 15:20	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-015	S	S-15	07/26/18 15:30	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-016	S	S-16	08/01/18 13:50	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-017	S	S-17	08/01/18 14:00	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-018	S	B-1	08/01/18 14:15	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-019	S	B-2	08/01/18 14:25	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-020	S	B-3	08/01/18 14:35	E300_CL	Chloride by EPA 300	08/08/18	08/29/18	BAR	CL	
594553-021	S	B-4	07/26/18 15:50	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-022	S	B-5	07/26/18 16:00	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-023	S	B-6	07/26/18 16:10	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-024	S	B-7	07/26/18 16:20	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	
594553-025	S	B-8	07/26/18 16:30	E300_CL	Chloride by EPA 300	08/08/18	08/23/18	BAR	CL	



Inter-Office Shipment

Page 2 of 2

IOS Number 111630

Date/Time: 08/03/18 15:33 Created by: Ashley Derstine
Lab# From: **Lubbock** Delivery Priority:
Lab# To: **Houston** Air Bill No.: 772897520590

Please send report to: Brandi Ritcherson
Address: 6701 Aberdeen, Suite 9 Lubbock, TX 79424
Phone:
E-Mail: brandi.ritcherson@xenco.com

Inter Office Shipment or Sample Comments:

Relinquished By

A handwritten signature in black ink, appearing to read 'Ashley Derstine', is written over a horizontal line.

Ashley Derstine

Date Relinquished: 08/03/2018

Received By:

A handwritten signature in black ink, appearing to read 'Monica Shakhshir', is written over a horizontal line.

Monica Shakhshir

Date Received: 08/04/2018 10:00

Cooler Temperature: 1.1



XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 111630

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : hou-068

Sent By: Ashley Derstine

Date Sent: 08/03/2018 03:33 PM

Received By: Monica Shakhshir

Date Received: 08/04/2018 10:00 AM

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	1.1
#2 *Shipping container in good condition?	Yes
#3 *Samples received with appropriate temperature?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 *Custody Seals Signed and dated for Containers/coolers	Yes
#6 *IOS present?	Yes
#7 Any missing/extra samples?	No
#8 IOS agrees with sample label(s)/matrix?	Yes
#9 Sample matrix/ properties agree with IOS?	Yes
#10 Samples in proper container/ bottle?	Yes
#11 Samples properly preserved?	Yes
#12 Sample container(s) intact?	Yes
#13 Sufficient sample amount for indicated test(s)?	Yes
#14 All samples received within hold time?	Yes

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ Date: _____

Checklist reviewed by:

Monica Shakhshir

Date: 08/04/2018



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: BCC, Inc.-Lubbock

Date/ Time Received: 08/02/2018 01:15:00 PM

Work Order #: 594553

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-3

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	12.2
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	Yes All test to Stafford
#18 Water VOC samples have zero headspace?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Brenda Ward
Brenda Ward

Date: 08/02/2018

Checklist reviewed by:

Holly Taylor
Holly Taylor

Date: 08/06/2018