[Sheldon L. Hitchcock]
[HSE Coordinator]

September 5, 2018

Mike Bratcher
Oil Conservation Division, District 2
811 S First St.
Artesia, NM 88210

Ryan Mann
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

Re: Closure Letter
Bullseye 22 State Com #001H
API #: 30-015-40162
RP#: 2RP-4575
Unit Letter D Section 22, Township 24S, Range 27E
Eddy County, NM

Mr. Bratcher/Mr. Mann,

COG Operating, LLC (COG) is pleased to submit for your consideration the following closure report for the Bullseye 22 State Com #001H. This release occurred on January 13, 2018. Following the release, remedial activities were conducted utilizing field chloride titrations and visual observations to guide the extent of the excavation.

BACKGROUND

The Bullseye 22 State Com #001H release is located in Unit Letter D, Section 22, Township 24 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for this release are 32.2091255 North and -104.1840591 West.

On January 13, 2018, a packing failure on a slip type flange at the wellhead resulted in the release of approximately ten (10) barrels (bbls) of produced water and nine (9) bbls of oil. A vacuum truck was dispatched to recover freestanding fluids. Approximately five (5) bbls of produced water and five (5) bbls of oil were recovered.

Remediation activities were conducted in accordance with NMOCD guidelines. Field chloride titrations and visual observations were utilized to guide the extent of the excavation. Confirmation soil samples were taken from the bottom and sidewalls of the excavation to ensure that all soil above NMOCD Recommended Remedial Action Levels (RRAL's) was successfully removed. A site diagram of the excavated area is presented in Appendix I.

GROUNDWATER AND SITE RANKING

According to the New Mexico Office of the State Engineer (NMOSE) groundwater in the project vicinity is approximately seventy (70) feet below ground surface (BGS) (Appendix II). No water well or surface water was observed within one-thousand (1,000) feet of the release site. Therefore the site ranking for this release is ten (10) based on the following:

Depth to groundwater	50-100-feet
Distance to surface water body	>1000-feet
Wellhead Protection Area	>1000-feet

CONFIRMATION SOIL SAMPLING RESULTS

July 3, 2018

Sample ID	Depth (feet)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	SOIL STATUS
BTTM-1	2	<0.002	<0.002	2400	61.2	EX-SITU
BTTM-2	2	<0.002	<0.002	161	<14.9	IN-SITU
N.SIDEWALL	N/A	<0.002	<0.002	429	<14.9	IN-SITU
S.SIDEWALL	N/A	<0.002	<0.002	28.7	<15.0	IN-SITU
E.SIDEWALL	N/A	<0.002	<0.002	215	<15.0	IN-SITU
W.SIDEWALL	N/A	<0.002	<0.002	1730	<15.0	EX-SITU

July 17, 2013

Sample ID	Depth (feet)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	SOIL STATUS
BTTM-1	3	--	--	497	--	IN-SITU
W.SIDEWALL	N/A	--	--	453	--	IN-SITU

(--) Analysis not requested

REMEDIAL ACTIONS

- The impacted area was excavated to a depth of two (2) feet BGS. On July 3, 2018, confirmation soil samples were taken from the bottom and sidewalls of the excavation. Upon receipt of analytical results from the confirmation soil sampling event it was determined that the soil in the bottom of the excavation in the vicinity of sample location BTTM-1 and the West sidewall of the excavation remained above the NMOCD RRAL for chloride.

- The impacted area in the vicinity of sample location BTTM-1 was excavated to a depth of three (3) feet BGS.

- The West sidewall was advanced further west utilizing chloride titrations to guide the excavation.

- On July 17, 2018, confirmation soil samples were taken from the bottom of the excavation at sample location BTTM-1 and from the West sidewall.

- Upon receipt of analytical results from the July 17, 2018 confirmation soil sampling event it was determined that all of the impacted soil above NMOCD RRAL's was successfully removed. The excavation was backfilled with caliche and contoured to match the surrounding location.

CLOSURE REQUEST

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the New Mexico State Land Office grant closure approval for the Bullseye 22 State Com #001H incident that occurred on January 13, 2018.

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

Sincerely,

Sheldon L. Hitchcock
HSE Coordinator
slhitchcock@concho.com

Enclosed:

Appendix I: Site Diagram
Appendix II: Groundwater Data
Appendix III: Initial C-141 (Copy)
Appendix IV: Final C-141
Appendix V: Analytical Reports and Chain-of-Custody Forms

APPENDIX I

January 13, 2018

Bullseye 22 State Com #001H

APPENDIX II

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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01452	C	ED				22	24S	27E	577435	3563175*	881	95	70	25

Average Depth to Water: **70 feet**

Minimum Depth: **70 feet**

Maximum Depth: **70 feet**

Record Count: 1

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 576811 **Northing (Y):** 3563797 **Radius:** 1000

***UTM location was derived from PLSS - see Help**

APPENDIX III

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 15 2018

RECEIVED

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

nAB1801852910

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Production LLC (OGRID# ~~229137~~ 217955)	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No.: 432-683-7443
Facility Name: Bullseye 22 State Com #001H	Facility Type: Well

Surface Owner: State	Mineral Owner: State	API No. 30-015-40162

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	22	24S	27E	330	N	990	W	Eddy

Latitude: 32.2091255 Longitude: -104.1840591 NAD83

NATURE OF RELEASE

Type of Release: Produced water and oil	Volume of Release: 9 BBLS Oil 10 BBLS Produced Water	Volume Recovered: 5 BBLS oil 5 BBLS Produced Water
Source of Release: Wellhead	Date and Hour of Occurrence: 1-13-2018 8:00am	Date and Hour of Discovery: 1-13-2018 8:00am
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Wellhead has a slip type of flange, the packing on this flange failed causing gas and fluids to be released. Wellhead flange was replaced.

Describe Area Affected and Cleanup Action Taken.* This release remained on location.
A vacuum truck was dispatched to recover all freestanding fluids. Concho will have the spill area evaluated for any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

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: C. Gray

Printed Name: Christopher Gray

Title: HSE Coordinator

E-mail Address: cgray@concho.com

Date: 1/15/2018 Phone: 575-746-2010

OIL CONSERVATION DIVISION

Signed By: Mike Bratcher

Approved by Environmental Specialist:

Approval Date: 1/18/18 Expiration Date: N/A

Conditions of Approval: See Attached

Attached ☐ 2RP-4575

* Attach Additional Sheets If Necessary

APPENDIX IV

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

State of New Mexico
Energy Minerals and Natural Resources

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: **COG Operating, LLC** (OGRID# 229137)	Contact: **Robert McNeill**
Address: **600 West Illinois Avenue, Midland TX 79701**	Telephone No.: **432-683-7443**
Facility Name**: Bullseye State Com #001H**	Facility Type**: Tank Battery**

Surface Owner: State	Mineral Owner: State	API No.: 30-015-40162

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	22	24S	27E	330	N	990	W	Eddy

Latitude: 32.2091255 **Longitude**: -104.1840591 NAD83

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 9bbls Oil and 10bbls PW	Volume Recovered: 5bbls oil and 5bbls PW
Source of Release: Wellhead	Date and Hour of Occurrence: 1/13/2018	Date and Hour of Discovery: 1/13/2018 8:00am
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The packing on a slip style flange at the wellhead failed resulting in the release of fluid onto the well pad. The packing was replaced.

Describe Area Affected and Cleanup Action Taken.*

All of the fluid remained on the well pad. A vacuum truck was utilized to recover all freestanding fluids. Remediation of the affected area was conducted utilizing field screenings to guide excavation activities. Soil samples were taken from the bottom and sidewalls of the excavation to confirm all impacted soil above NMOCD RRAL's was successfully removed. Upon receipt of acceptable analytical results the excavation was backfilled and contoured to match the surrounding location.

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

Signature: Sheldon Hitchcock	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: Sheldon L. Hitchcock		
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: slhitchcock@concho.com	Conditions of Approval:	Attached ☐
Date: 9/5/2018 Phone: 575-746-2010		

* Attach Additional Sheets If Necessary

APPENDIX V

Certificate of Analysis Summary 591381

COG Operating LLC, Artesia, NM

Project Name: Bullseye 22 St.Con #1H

Project Id:
Contact: Sheldon Hitchcock
Project Location: Eddy Co. NM

Date Received in Lab: Fri Jul-06-18 10:16 am
Report Date: 09-JUL-18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	591381-001		591381-002		591381-003		591381-004		591381-005		591381-006	
	Field Id:	Bttm-1 2'		Bttm-2 2'		N. sidewall		S. Sidewall		E.Sidewall		W.Sidewall	
	Depth:	1- ft		2- ft									
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-03-18 08:00		Jul-03-18 08:05		Jul-03-18 08:10		Jul-03-18 08:15		Jul-03-18 08:20		Jul-03-18 08:25	
BTEX by EPA 8021B	***Extracted:***	Jul-06-18 16:00		Jul-06-18 16:00		Jul-06-18 16:00		Jul-06-18 16:30		Jul-06-18 16:00		Jul-06-18 16:00	
	Analyzed:	Jul-06-18 23:51		Jul-07-18 00:09		Jul-07-18 01:01		Jul-07-18 12:29		Jul-07-18 01:37		Jul-07-18 01:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00403	0.00403	<0.00404	0.00404	<0.00403	0.00403	<0.00399	0.00399	<0.00401	0.00401
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Jul-06-18 12:30		Jul-06-18 12:30		Jul-06-18 12:30		Jul-06-18 12:30		Jul-06-18 12:30		Jul-06-18 12:30	
	Analyzed:	Jul-06-18 22:54		Jul-06-18 23:10		Jul-06-18 23:16		Jul-06-18 23:21		Jul-06-18 23:27		Jul-06-18 23:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2400	100	161	5.00	429	4.97	28.7	4.97	215	4.99	1730	50.0
TPH By SW8015 Mod	***Extracted:***	Jul-06-18 14:00		Jul-06-18 14:00		Jul-06-18 14:00		Jul-06-18 14:00		Jul-06-18 14:00		Jul-06-18 14:00	
	Analyzed:	Jul-07-18 03:07		Jul-07-18 03:27		Jul-07-18 03:46		Jul-07-18 04:06		Jul-07-18 04:26		Jul-07-18 04:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<14.9	14.9	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		61.2	15.0	<14.9	14.9	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<14.9	14.9	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		61.2	15.0	<14.9	14.9	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0

Jessica Kramer
Project Assistant

Analytical Report 591381

for

COG Operating LLC

Project Manager: Sheldon Hitchcock

Bullseye 22 St.Con #1H

09-JUL-18

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

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)

09-JUL-18

Project Manager: **Sheldon Hitchcock**
COG Operating LLC
2407 Pecos Avenue
Artesia, NM 88210

Reference: XENCO Report No(s): **591381**
Bullseye 22 St.Con #1H
Project Address: Eddy Co. NM

Sheldon Hitchcock:

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) 591381. 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. 591381 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,

Jessica Kramer

Jessica Kramer
Project Assistant

Sample Cross Reference 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Bttm-1 2'	S	07-03-18 08:00	1 ft	591381-001
Bttm-2 2'	S	07-03-18 08:05	2 ft	591381-002
N. sidewall	S	07-03-18 08:10	N/A	591381-003
S. Sidewall	S	07-03-18 08:15	N/A	591381-004
E.Sidewall	S	07-03-18 08:20	N/A	591381-005
W.Sidewall	S	07-03-18 08:25	N/A	591381-006

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3055682 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3055755 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**Bttm-1 2'**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-001	Date Collected:	07.03.18 08.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.06.18 12.30	Basis:	Wet Weight
Seq Number:	3055732				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2400**	100	mg/kg	07.06.18 22.54		20

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.06.18 14.00	Basis:	Wet Weight
Seq Number:	3055782				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.07.18 03.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	**61.2**	15.0	mg/kg	07.07.18 03.07		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.07.18 03.07	U	1
Total TPH	PHC635	**61.2**	15.0	mg/kg	07.07.18 03.07		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	07.07.18 03.07	
o-Terphenyl	84-15-1	99	%	70-135	07.07.18 03.07	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**Bttm-1 2'**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-001	Date Collected:	07.03.18 08.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	07.06.18 16.00	Basis:	Wet Weight
Seq Number:	3055682				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.06.18 23.51	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.06.18 23.51	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.06.18 23.51	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.06.18 23.51	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.06.18 23.51	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.06.18 23.51	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.06.18 23.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	07.06.18 23.51	
4-Bromofluorobenzene	460-00-4	75	%	70-130	07.06.18 23.51	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**Bttm-2 2'**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-002	Date Collected:	07.03.18 08.05	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.06.18 12.30	Basis:	Wet Weight
Seq Number:	3055732				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**161**	5.00	mg/kg	07.06.18 23.10		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.06.18 14.00	Basis:	Wet Weight
Seq Number:	3055782				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	07.07.18 03.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	07.07.18 03.27	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	07.07.18 03.27	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	07.07.18 03.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	07.07.18 03.27	
o-Terphenyl	84-15-1	102	%	70-135	07.07.18 03.27	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**Bttm-2 2'**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-002	Date Collected:	07.03.18 08.05	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	07.06.18 16.00	Basis:	Wet Weight
Seq Number:	3055682				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.07.18 00.09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.07.18 00.09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.07.18 00.09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	07.07.18 00.09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.07.18 00.09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.07.18 00.09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.07.18 00.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	78	%	70-130	07.07.18 00.09	
4-Bromofluorobenzene	460-00-4	80	%	70-130	07.07.18 00.09	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**N. sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-003	Date Collected:	07.03.18 08.10		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.06.18 12.30	Basis:	Wet Weight
Seq Number:	3055732				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**429**	4.97	mg/kg	07.06.18 23.16		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.06.18 14.00	Basis:	Wet Weight
Seq Number:	3055782				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	07.07.18 03.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	07.07.18 03.46	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	07.07.18 03.46	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	07.07.18 03.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	07.07.18 03.46	
o-Terphenyl	84-15-1	99	%	70-135	07.07.18 03.46	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**N. sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-003	Date Collected:	07.03.18 08.10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	07.06.18 16.00	Basis:	Wet Weight
Seq Number:	3055682				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.07.18 01.01	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.07.18 01.01	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.07.18 01.01	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	07.07.18 01.01	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.07.18 01.01	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.07.18 01.01	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.07.18 01.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	85	%	70-130	07.07.18 01.01	
1,4-Difluorobenzene	540-36-3	86	%	70-130	07.07.18 01.01	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**S. Sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-004	Date Collected:	07.03.18 08.15		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.06.18 12.30	Basis:	Wet Weight
Seq Number:	3055732				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.7**	4.97	mg/kg	07.06.18 23.21		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.06.18 14.00	Basis:	Wet Weight
Seq Number:	3055782				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.07.18 04.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.07.18 04.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.07.18 04.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.07.18 04.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	07.07.18 04.06	
o-Terphenyl	84-15-1	101	%	70-135	07.07.18 04.06	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**S. Sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-004	Date Collected:	07.03.18 08.15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	07.06.18 16.30	Basis:	Wet Weight
Seq Number:	3055755				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.07.18 12.29	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.07.18 12.29	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.07.18 12.29	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	07.07.18 12.29	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.07.18 12.29	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.07.18 12.29	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.07.18 12.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	07.07.18 12.29	
4-Bromofluorobenzene	460-00-4	83	%	70-130	07.07.18 12.29	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**E.Sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-005	Date Collected:	07.03.18 08.20		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.06.18 12.30	Basis:	Wet Weight
Seq Number:	3055732				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**215**	4.99	mg/kg	07.06.18 23.27		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.06.18 14.00	Basis:	Wet Weight
Seq Number:	3055782				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.07.18 04.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.07.18 04.26	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.07.18 04.26	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.07.18 04.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	07.07.18 04.26	
o-Terphenyl	84-15-1	97	%	70-135	07.07.18 04.26	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**E.Sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-005	Date Collected:	07.03.18 08.20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	07.06.18 16.00	Basis:	Wet Weight
Seq Number:	3055682				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.07.18 01.37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.07.18 01.37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.07.18 01.37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.07.18 01.37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.07.18 01.37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.07.18 01.37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.07.18 01.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	71	%	70-130	07.07.18 01.37	
1,4-Difluorobenzene	540-36-3	70	%	70-130	07.07.18 01.37	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**W.Sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-006	Date Collected:	07.03.18 08.25		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.06.18 12.30	Basis:	Wet Weight
Seq Number:	3055732				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1730**	50.0	mg/kg	07.06.18 23.32		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.06.18 14.00	Basis:	Wet Weight
Seq Number:	3055782				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.07.18 04.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.07.18 04.46	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.07.18 04.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.07.18 04.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	07.07.18 04.46	
o-Terphenyl	84-15-1	100	%	70-135	07.07.18 04.46	

Certificate of Analytical Results 591381

COG Operating LLC, Artesia, NM

Bullseye 22 St.Con #1H

Sample Id:	**W.Sidewall**	Matrix:	Soil	Date Received:	07.06.18 10.16
Lab Sample Id:	591381-006	Date Collected:	07.03.18 08.25		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	07.06.18 16.00	Basis:	Wet Weight
Seq Number:	3055682				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.07.18 01.54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.07.18 01.54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.07.18 01.54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.07.18 01.54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.07.18 01.54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.07.18 01.54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.07.18 01.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	126	%	70-130	07.07.18 01.54	
4-Bromofluorobenzene	460-00-4	114	%	70-130	07.07.18 01.54	

Flagging Criteria

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

QC Summary 591381

COG Operating LLC

Bullseye 22 St.Con #1H

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3055732 Matrix: Solid Date Prep: 07.06.18
MB Sample Id: 7657952-1-BLK LCS Sample Id: 7657952-1-BKS LCSD Sample Id: 7657952-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	263	105	265	106	90-110	1	20	mg/kg	07.06.18 21:06	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3055732 Matrix: Soil Date Prep: 07.06.18
Parent Sample Id: 591031-008 MS Sample Id: 591031-008 S MSD Sample Id: 591031-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	86.3	248	353	108	356	109	90-110	1	20	mg/kg	07.06.18 21:22	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3055732 Matrix: Soil Date Prep: 07.06.18
Parent Sample Id: 591054-002 MS Sample Id: 591054-002 S MSD Sample Id: 591054-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1220	248	1440	89	1440	89	90-110	0	20	mg/kg	07.06.18 22:38	X

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3055782 Matrix: Solid Date Prep: 07.06.18
MB Sample Id: 7657984-1-BLK LCS Sample Id: 7657984-1-BKS LCSD Sample Id: 7657984-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	976	98	992	99	70-135	2	20	mg/kg	07.06.18 20:38	
Diesel Range Organics (DRO)	<15.0	1000	1010	101	1040	104	70-135	3	20	mg/kg	07.06.18 20:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		116		114		70-135	%	07.06.18 20:38
o-Terphenyl	108		104		110		70-135	%	07.06.18 20:38

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

QC Summary 591381

COG Operating LLC

Bullseye 22 St.Con #1H

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3055782 Matrix: Soil Date Prep: 07.06.18
Parent Sample Id: 591010-002 MS Sample Id: 591010-002 S MSD Sample Id: 591010-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	997	977	98	1030	103	70-135	5	20	mg/kg	07.06.18 21:56	
Diesel Range Organics (DRO)	<15.0	997	1010	101	1060	106	70-135	5	20	mg/kg	07.06.18 21:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		118		70-135	%	07.06.18 21:56
o-Terphenyl	103		105		70-135	%	07.06.18 21:56

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3055682 Matrix: Solid Date Prep: 07.06.18
MB Sample Id: 7657929-1-BLK LCS Sample Id: 7657929-1-BKS LCSD Sample Id: 7657929-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0801	80	0.0852	84	70-130	6	35	mg/kg	07.06.18 19:39	
Toluene	<0.00200	0.100	0.0857	86	0.0884	88	70-130	3	35	mg/kg	07.06.18 19:39	
Ethylbenzene	<0.00200	0.100	0.0821	82	0.0859	85	70-130	5	35	mg/kg	07.06.18 19:39	
m,p-Xylenes	<0.00401	0.200	0.174	87	0.180	90	70-130	3	35	mg/kg	07.06.18 19:39	
o-Xylene	<0.00200	0.100	0.0918	92	0.0852	84	70-130	7	35	mg/kg	07.06.18 19:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	76		82		109		70-130	%	07.06.18 19:39
4-Bromofluorobenzene	73		70		109		70-130	%	07.06.18 19:39

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3055755 Matrix: Solid Date Prep: 07.06.18
MB Sample Id: 7657966-1-BLK LCS Sample Id: 7657966-1-BKS LCSD Sample Id: 7657966-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0944	94	0.0973	96	70-130	3	35	mg/kg	07.07.18 04:36	
Toluene	<0.00200	0.100	0.0954	95	0.0986	98	70-130	3	35	mg/kg	07.07.18 04:36	
Ethylbenzene	<0.00200	0.100	0.0919	92	0.0959	95	70-130	4	35	mg/kg	07.07.18 04:36	
m,p-Xylenes	<0.00401	0.200	0.190	95	0.199	99	70-130	5	35	mg/kg	07.07.18 04:36	
o-Xylene	<0.00200	0.100	0.0895	90	0.0947	94	70-130	6	35	mg/kg	07.07.18 04:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		89		98		70-130	%	07.07.18 04:36
4-Bromofluorobenzene	89		129		106		70-130	%	07.07.18 04:36

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 Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 591381

COG Operating LLC

Bullseye 22 St.Con #1H

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3055682 Matrix: Soil Date Prep: 07.06.18

Parent Sample Id: 591005-003 MS Sample Id: 591005-003 S MSD Sample Id: 591005-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0636	63	0.0673	67	70-130	6	35	mg/kg	07.06.18 20:15	X
Toluene	<0.00201	0.101	0.0582	58	0.0653	65	70-130	11	35	mg/kg	07.06.18 20:15	X
Ethylbenzene	<0.00201	0.101	0.0456	45	0.0479	48	70-130	5	35	mg/kg	07.06.18 20:15	X
m,p-Xylenes	<0.00402	0.201	0.0870	43	0.0987	49	70-130	13	35	mg/kg	07.06.18 20:15	X
o-Xylene	<0.00201	0.101	0.0449	44	0.0459	46	70-130	2	35	mg/kg	07.06.18 20:15	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		103		70-130	%	07.06.18 20:15
4-Bromofluorobenzene	100		101		70-130	%	07.06.18 20:15

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3055755 Matrix: Soil Date Prep: 07.06.18

Parent Sample Id: 591011-004 MS Sample Id: 591011-004 S MSD Sample Id: 591011-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0818	82	0.0798	80	70-130	2	35	mg/kg	07.07.18 05:12	
Toluene	<0.00200	0.0998	0.0798	80	0.0783	78	70-130	2	35	mg/kg	07.07.18 05:12	
Ethylbenzene	<0.00200	0.0998	0.0759	76	0.0752	75	70-130	1	35	mg/kg	07.07.18 05:12	
m,p-Xylenes	<0.00399	0.200	0.156	78	0.154	77	70-130	1	35	mg/kg	07.07.18 05:12	
o-Xylene	<0.00200	0.0998	0.0718	72	0.0717	72	70-130	0	35	mg/kg	07.07.18 05:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		70-130	%	07.07.18 05:12
4-Bromofluorobenzene	94		85		70-130	%	07.07.18 05:12

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

CHAIN OF CUSTODY

Revision 2016.1

XENCO LABORATORIES

Setting the Standard since 1990

Page 1 Of 1

Stafford, TX (281) 240-4200 | El Paso, TX (915) 585-3443 | Midland, TX (432) 704-5440 | Phoenix, AZ (480) 355-0900 | Service Center- Amarillo, TX (806)678-4514
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Xenco Quote # | Xenco Job # 591381

Client / Reporting Information

Company Name / Branch: COG Artesia
Company Address:
Email: Shitchcock@conoco.com Phone No:
Project Contact: Sheldon Hitchcock
Samplers's Name: Sheldon Hitchcock

Project Information

Project Name/Number: Bullseye 22 St. Com # 1H
Project Location: Eddy Co. NM
Invoice To:
PO Number:

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	None	TPH 8015M Extended	BTEX 8021B	Chloride EPA 300	Field Comments
1	Btm-1	2'	7/3/18	8:00	S	1								X	X	X	X	
2	Btm-2	2'		8:05	S	1								X	X	X	X	
3	N. Sidewall			8:10	S	1								X	X	X	X	
4	S. Sidewall			8:15	S	1								X	X	X	X	
5	E. Sidewall			8:20	S	1								X	X	X	X	
6	W. Sidewall			8:25	S	1								X	X	X	X	
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [X] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes:

FED-EX / UPS: Tracking # 772042962910

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sheldon Hitchcock	7/3 9.45	1	2	7/5 15:30	2 7/6/18 10:16
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice: X — Cooler Temp.: 4.0 — Thermo. Corr. Factor: 0.0
			5			

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XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: COG Operating LLC

Date/ Time Received: 07/06/2018 10:16:00 AM

Work Order #: 591381

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4
#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)?	**N/A**
#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: Brianna Teel Date: 07/06/2018
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 07/06/2018
Jessica Kramer

Certificate of Analysis Summary 592868

COG Operating LLC, Artesia, NM

Project Name: Bullseye 22 St. Com #1

Project Id:
Contact: Sheldon Hitchcock
Project Location: Eddy Co, NM

Date Received in Lab: Thu Jul-19-18 10:50 am
Report Date: 20-JUL-18
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	592868-001	592868-002				
	Field Id:	Bttm-1 3'	W. Side Wall				
	Depth:	3- ft					
	Matrix:	SOIL	SOIL				
	Sampled:	Jul-17-18 08:00	Jul-17-18 08:30				
Chloride by EPA 300	***Extracted:***	Jul-19-18 16:45	Jul-19-18 16:45				
	Analyzed:	Jul-19-18 21:34	Jul-19-18 21:40				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		497 49.5	453 49.8				

Jessica Kramer
Project Assistant

Analytical Report 592868

for

COG Operating LLC

Project Manager: Sheldon Hitchcock

Bullseye 22 St. Com #1

20-JUL-18

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

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)

20-JUL-18

Project Manager: **Sheldon Hitchcock**
COG Operating LLC
2407 Pecos Avenue
Artesia, NM 88210

Reference: XENCO Report No(s): **592868**
Bullseye 22 St. Com #1
Project Address: Eddy Co, NM

Sheldon Hitchcock:

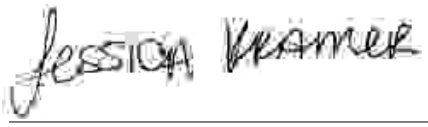
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 592868. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory 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. 592868 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,



Jessica Kramer
Project Assistant

Sample Cross Reference 592868

COG Operating LLC, Artesia, NM

Bullseye 22 St. Com #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Bttm-1 3'	S	07-17-18 08:00	3 ft	592868-001
W. Side Wall	S	07-17-18 08:30	N/A	592868-002

CASE NARRATIVE

Client Name: COG Operating LLC

Project Name: Bullseye 22 St. Com #1

Project ID:
Work Order Number(s): *592868*

Report Date: *20-JUL-18*
Date Received: *07/19/2018*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 592868

COG Operating LLC, Artesia, NM

Bullseye 22 St. Com #1

Sample Id:	**Bttm-1 3'**	Matrix:	Soil	Date Received:	07.19.18 10.50
Lab Sample Id:	592868-001	Date Collected:	07.17.18 08.00	Sample Depth:	3 ft
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.19.18 16.45	Basis:	Wet Weight
Seq Number:	3057085				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**497**	49.5	mg/kg	07.19.18 21.34		10

Certificate of Analytical Results 592868

COG Operating LLC, Artesia, NM

Bullseye 22 St. Com #1

Sample Id:	**W. Side Wall**	Matrix:	Soil	Date Received:	07.19.18 10.50
Lab Sample Id:	592868-002	Date Collected:	07.17.18 08.30		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	07.19.18 16.45	Basis:	Wet Weight
Seq Number:	3057085				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**453**	49.8	mg/kg	07.19.18 21.40		10

Flagging Criteria

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

QC Summary 592868

COG Operating LLC

Bullseye 22 St. Com #1

Analytical Method: **Chloride by EPA 300** Prep Method: E300P

Seq Number: 3057085 Matrix: Solid Date Prep: 07.19.18

MB Sample Id: 7658720-1-BLK LCS Sample Id: 7658720-1-BKS LCSD Sample Id: 7658720-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	255	102	248	99	90-110	3	20	mg/kg	07.19.18 20:35	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P

Seq Number: 3057085 Matrix: Soil Date Prep: 07.19.18

Parent Sample Id: 592865-001 MS Sample Id: 592865-001 S MSD Sample Id: 592865-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	196	252	453	102	451	101	90-110	0	20	mg/kg	07.19.18 20:51	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P

Seq Number: 3057085 Matrix: Soil Date Prep: 07.19.18

Parent Sample Id: 592866-001 MS Sample Id: 592866-001 S MSD Sample Id: 592866-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	90.4	250	341	100	342	101	90-110	0	20	mg/kg	07.19.18 22:07	

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

CHAIN OF CUSTODY

Page 1 Of 1

XENCO LABORATORIES

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Dallas Texas (214-902-0300) | Midland, Texas (432-704-5251)

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Xenco Quote # | Xenco Job # 592868

Client / Reporting Information

Company Name / Branch: COG Operating, LLC

Company Address: 2407 Pecos Ave. Artesia NM 88210

Email: slhitchcock@concho.com Phone No: 575-703-6475

dneel2@concho.com; cgray@concho.com; rhaskell@concho.com

Project Contact: Sheldon Hitchcock

Samplers's Name: Sheldon Hitchcock

Project Information

Project Name/Number: Bullseye 22 St com #1

Project Location: Eddy co. NM

Invoice To: COG Operating, LLC
Attn: Robert McNeill
600 W. Illnois Ave.
Midland Tx, 79701

PO Number:

Analytical Information

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	None	TPH EXTENDED (EPA8015M)	BTEX (EPA 8021B)	CHLORIDES (EPA 300)	Field Comments
1	Bttm-1 3'	3'	7/17/18	8:00	S	1								1			X	
2	W. Sidewall	N/A	7/17/18	8:30	S	1								1			X	
3					S	1												
4					S	1												
5					S	1												
6					S	1												
7					S	1												
8					S	1												
9					S	1												
10					S	1												

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
WI = Wipe
O = Oil
WW= Waste Water
A = Air

Turnaround Time (Business days)

- [X] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

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SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sheldon Hitchcock	7/17/18 16:30	1	2	7/18/18 15:30	2 Rachel 7/19/18 1050
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp. 3.0 / Thermo. Corr. Factor 0.0

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XENCO
XENCO
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MIDLAND, TX 79701
UNITED STATES US

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ACTWGT: 28.00 LB
CAD: 101813706/INET3980
DIMS: 18x16x13 IN

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(806) 794-1296
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: COG Operating LLC

Date/ Time Received: 07/19/2018 10:50:00 AM

Work Order #: 592868

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3
#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)?	**No**
#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: Katie Lowe Date: 07/19/2018

Checklist reviewed by: Jessica Kramer Date: 07/19/2018