

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-685-4304
Facility Name: Tex Mack #202	Facility Type: Battery

Surface Owner: State	Mineral Owner:	API No. 30-015-35914
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LOCATION OF RELEASE

Unit Letter N	Section 2	Township 17S	Range 31E	Feet from the 990'	North/South Line South	Feet from the 1650'	East/West Line West	County Eddy
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Latitude 32.8590803868665 Longitude -103.843618143308

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 25 bbls Oil	Volume Recovered: 20 bbls Oil
Source of Release: Heater Treater	Date and Hour of Occurrence: 2/7/2015 9:00 am	Date and Hour of Discovery: 2/7/2015 9:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

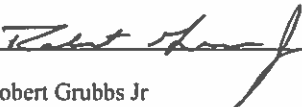
Describe Cause of Problem and Remedial Action Taken.*

1/4" nipple on oil leg corroded and caused leak. Vacuum trucks were dispatched to recover all standing fluid and micro blaze was applied to the pasture.

Describe Area Affected and Cleanup Action Taken.*

The release occurred within the facility but an over spray in pasture occurred. Concho excavated the area of AH-1 down to 1' and scraped the area of AH-3. A confirmation sample for BTEX was collected in the bottom of AH-1 as requested by the NMOCD. The excavation was backfilled with fresh material and all contaminated material was hauled off to an approved disposal.

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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Robert Grubbs Jr	Approved by Environmental Specialist:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: rgrubbs@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 06-14-2016 Phone: 432-685-4304			

* Attach Additional Sheets If Necessary



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(BioAquatec) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail lab@traceanalysis.com WEB www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Robert Grubbs
COG Operating, LLC
550 W. Texas Avenue
Suite 100
Midland, TX, 79701

Report Date: April 14, 2016

Work Order: 16041220



Project Location: Eddy Co, NM
Project Name: Tex-Mac TB
Project Number: Tex-Mac TB

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
417355	CS-1	soil	2016-04-12	11:00	2016-04-12

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent horizontal line at the end.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

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Case Narrative

Samples for project Tex-Mac TB were received by TraceAnalysis, Inc. on 2016-04-12 and assigned to work order 16041220. Samples for work order 16041220 were received intact at a temperature of 5.3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	109667	2016-04-13 at 08:40	129482	2016-04-13 at 15:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 16041220 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: April 14, 2016
Tex-Mac TB

Work Order: 16041220
Tex-Mac TB

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Analytical Report

Sample: 417355 - CS-1

Laboratory: Midland
Analysis: BTEX
QC Batch: 129482
Prep Batch: 109667

Analytical Method: S 8021B
Date Analyzed: 2016-04-13
Sample Preparation: 2016-04-13

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	s	<0.0200	mg/Kg	1	0.0200
Toluene	u	s	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	s	<0.0200	mg/Kg	1	0.0200
Xylene	u	s	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.26	mg/Kg	1	2.00	113	70 - 130
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	70 - 130

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Method Blanks

Method Blank (1) QC Batch: 129482

QC Batch: 129482
Prep Batch: 109667

Date Analyzed: 2016-04-13
QC Preparation: 2016-04-13

Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		s	<0.0100	mg/Kg	0.02
Toluene		s	<0.0156	mg/Kg	0.02
Ethylbenzene		s	<0.0151	mg/Kg	0.02
Xylene		s	<0.00430	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.11	mg/Kg	1	2.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)			1.73	mg/Kg	1	2.00	86	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 129482
Prep Batch: 109667

Date Analyzed: 2016-04-13
QC Preparation: 2016-04-13

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		s	1.99	mg/Kg	1	2.00	<0.0100	100	70 - 130
Toluene		s	1.97	mg/Kg	1	2.00	<0.0156	98	70 - 130
Ethylbenzene		s	2.02	mg/Kg	1	2.00	<0.0151	101	70 - 130
Xylene		s	6.20	mg/Kg	1	6.00	<0.00430	103	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		s	2.06	mg/Kg	1	2.00	<0.0100	103	70 - 130	3	20
Toluene		s	2.05	mg/Kg	1	2.00	<0.0156	102	70 - 130	4	20
Ethylbenzene		s	2.12	mg/Kg	1	2.00	<0.0151	106	70 - 130	5	20
Xylene		s	6.54	mg/Kg	1	6.00	<0.00430	109	70 - 130	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.15	2.23	mg/Kg	1	2.00	108	112	70 - 130
4-Bromofluorobenzene (4-BFB)	2.29	2.35	mg/Kg	1	2.00	114	118	70 - 130

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Tex-Mac TB

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Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 417355

QC Batch: 129482
Prep Batch: 109667

Date Analyzed: 2016-04-13
QC Preparation: 2016-04-13

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		s	2.05	mg/Kg	1	2.00	<0.0100	102	70 - 130
Toluene		s	2.14	mg/Kg	1	2.00	<0.0156	107	70 - 130
Ethylbenzene		s	2.38	mg/Kg	1	2.00	<0.0151	119	70 - 130
Xylene		s	7.28	mg/Kg	1	6.00	<0.00430	121	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		s	1.85	mg/Kg	1	2.00	<0.0100	92	70 - 130	10	20
Toluene		s	1.92	mg/Kg	1	2.00	<0.0156	96	70 - 130	11	20
Ethylbenzene		s	2.14	mg/Kg	1	2.00	<0.0151	107	70 - 130	11	20
Xylene		s	6.60	mg/Kg	1	6.00	<0.00430	110	70 - 130	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.27	2.24	mg/Kg	1	2	114	112	70 - 130
4-Bromofluorobenzene (4-BFB)	1.97	2.04	mg/Kg	1	2	98	102	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 129482

Date Analyzed: 2016-04-13

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		s	mg/kg	0.100	0.103	103	80 - 120	2016-04-13
Toluene		s	mg/kg	0.100	0.102	102	80 - 120	2016-04-13
Ethylbenzene		s	mg/kg	0.100	0.106	106	80 - 120	2016-04-13
Xylene		s	mg/kg	0.300	0.325	108	80 - 120	2016-04-13

Standard (CCV-2)

QC Batch: 129482

Date Analyzed: 2016-04-13

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		s	mg/kg	0.100	0.104	104	80 - 120	2016-04-13
Toluene		s	mg/kg	0.100	0.104	104	80 - 120	2016-04-13
Ethylbenzene		s	mg/kg	0.100	0.106	106	80 - 120	2016-04-13
Xylene		s	mg/kg	0.300	0.330	110	80 - 120	2016-04-13

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
SQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	LELAP	LELAP-02003	Lubbock
4	NELAP	T104704219-16-12	Lubbock
5	NELAP	T104704392-14-8	Midland
6		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and SQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.

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Tex-Mac TB

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F	Description
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

