



**CONESTOGA-ROVERS
& ASSOCIATES**

6121 Indian School Road NE, Suite 200
Albuquerque, New Mexico 87110
Telephone: (505) 884-0672 Fax: (505) 884-4932
www.CRAworld.com

November 6, 2014

Reference No. 088210/02

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

Dear Dr. Oberding:

Re: Summary of Soil Sampling
Madera Pipeline
1RP-3368-0
Lea County, New Mexico

On behalf of EOG Resources, Inc. (EOG), Conestoga Rovers and Associates (CRA), performed a subsurface assessment at the above referenced location on July 29, 2014 and October 13, 2014. The Site is located at coordinates 32.1876 N, 103.528411 W and is west of Jal, New Mexico, in Lea County (see Figure 1). The case number is 1RP-3368-0. This report is being submitted on behalf of EOG.

The site is currently an active polyline located alongside a haul road. The Site's topography is relatively flat, covered with windblown sand, sparse vegetation, and mesquite trees. A release occurred when a polyline leaked produced water. Based on the C-141 form, the release was estimated to be an unknown volume, with an unknown volume recovered. Contaminates of concern are chlorides, BTEX, and TPH.

Most of the impacted soil had been excavated at the time that CRA performed the initial sampling event (July 2014). The soil stockpile was placed on plastic sheeting. The excavation has yet to be backfilled with clean soil at the time of CRA's assessment. Presented below is a summary of the July and October 2014 sampling events.

Equal
Employment Opportunity
Employer



November 6, 2014

Reference No. 088210/02

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1.0 Site Risk Ranking

The New Mexico Oil Conservation Division (NMOCD) has a risk ranking system to establish the regulatory limits for petroleum hydrocarbons. The risk ranking system is based on the depth to groundwater, the presence of wellhead protection areas, and the distance of the site to surface water bodies.

According to Tomáš 'Doc' Oberding, PhD with NMOCD, the depth to groundwater in the vicinity of the site is estimated to be approximately 50'-100' feet (ft) below ground surface (bgs). There are no well head protection areas in the vicinity of the site. There are no surface water bodies within a 1000'. Based on this, the NMOCD Risk Ranking score for the site is 10. The Recommended Remediation Action Levels (RRALs) for the site are 1000 parts per million (ppm) for TPH, 10 ppm for benzene, 50 ppm for total BTEX. The recommended concentration for chlorides is 500 ppm (see table below).

New Mexico Oil Conservation Division Spill Guidelines	
Ranking Criteria	Score
Depth to Ground Water (less than 50 ft)	10
Wellhead Protection Area	0
Distance to Surface Body Water	10
Ranking Criteria Total Score	10
*Because the ranking criteria total score is 10, NMOCD RRALs are 10 ppm for benzene, 50 ppm for BTEX, 1000 ppm for total TPH, and 500 ppm for chlorides.	

2.0 Sampling Activities

The sampling activities performed at the Site consisted of hand-shovel digging, hand auguring, and backhoe excavation to depths of 3-5 feet (ft) below ground surface (BGS).



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Sampling tools were cleaned with an Alconox wash solution and clean water rinse prior to collecting each soil sample. Field screening was performed for chlorides using Hach Chloride Test strips and total petroleum hydrocarbons (TPH) using a Petroflag Hydrocarbon analysis kit.

Following field screening, soil samples were collected for laboratory analysis of chlorides by EPA Method 300.0, TPH by EPA Method 8015, and benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8021. Soil samples were submitted under chain of custody documentation via overnight delivery to Trace Analysis Laboratories of Midland, Texas and Xenco Laboratories of Odessa, Texas

Initial soil sampling performed on July 29, 2014, indicated that soil concentrations of chlorides, BTEX and TPH were below regulatory limits with the exception of the sample collected from the north wall. This sample indicated a chloride concentration of 1110 ppm (see Figure 2). Due to this, additional soil excavation and sampling was performed on October 13, 2013. A soil sample was collected from the newly excavated north wall and analyzed for chlorides by EPA Method 300.0. The result of the laboratory analyses was 3.42 ppm (see Figure 2).



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Based on the results of the laboratory analyses, CRA requests No Further Action be required for this site. If you have any questions or comments with regards to this request for closure, please do not hesitate to contact our Albuquerque office at (505) 884-0672.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Reviewed by:

Steven Perez
Staff Scientist

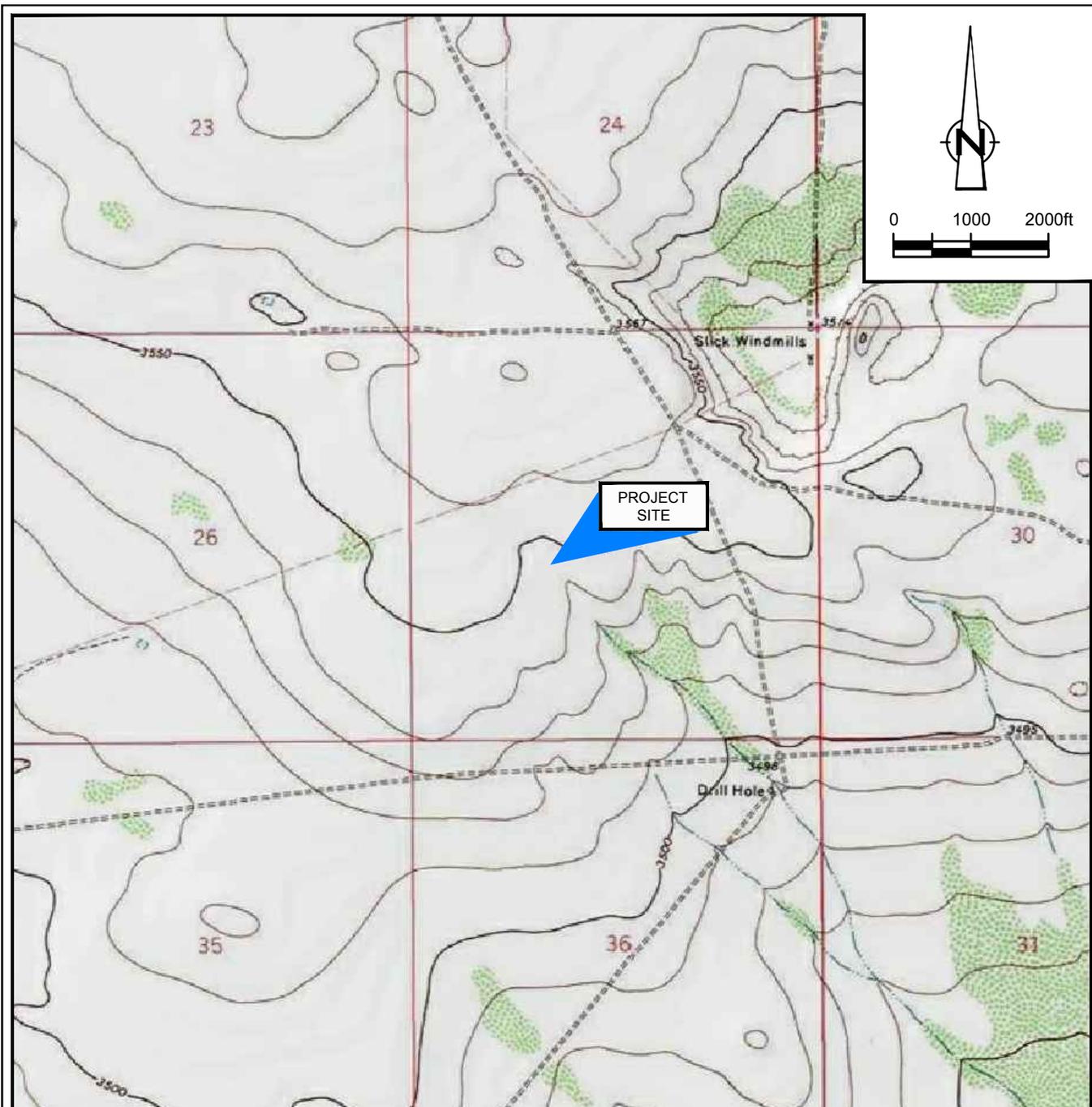
Bernard Bockisch, PMP
Senior Project Manager

BB/mc/1
Encl. (5)

Attachments:

Figure 1. Site Location Map
Figure 2. Site Detail Map
Appendix A. Laboratory Analytical Results

Figures



SOURCE: USGS 7.5 MINUTE QUAD
 "BELL LAKE AND WOODLEY FLAT, NEW MEXICO"

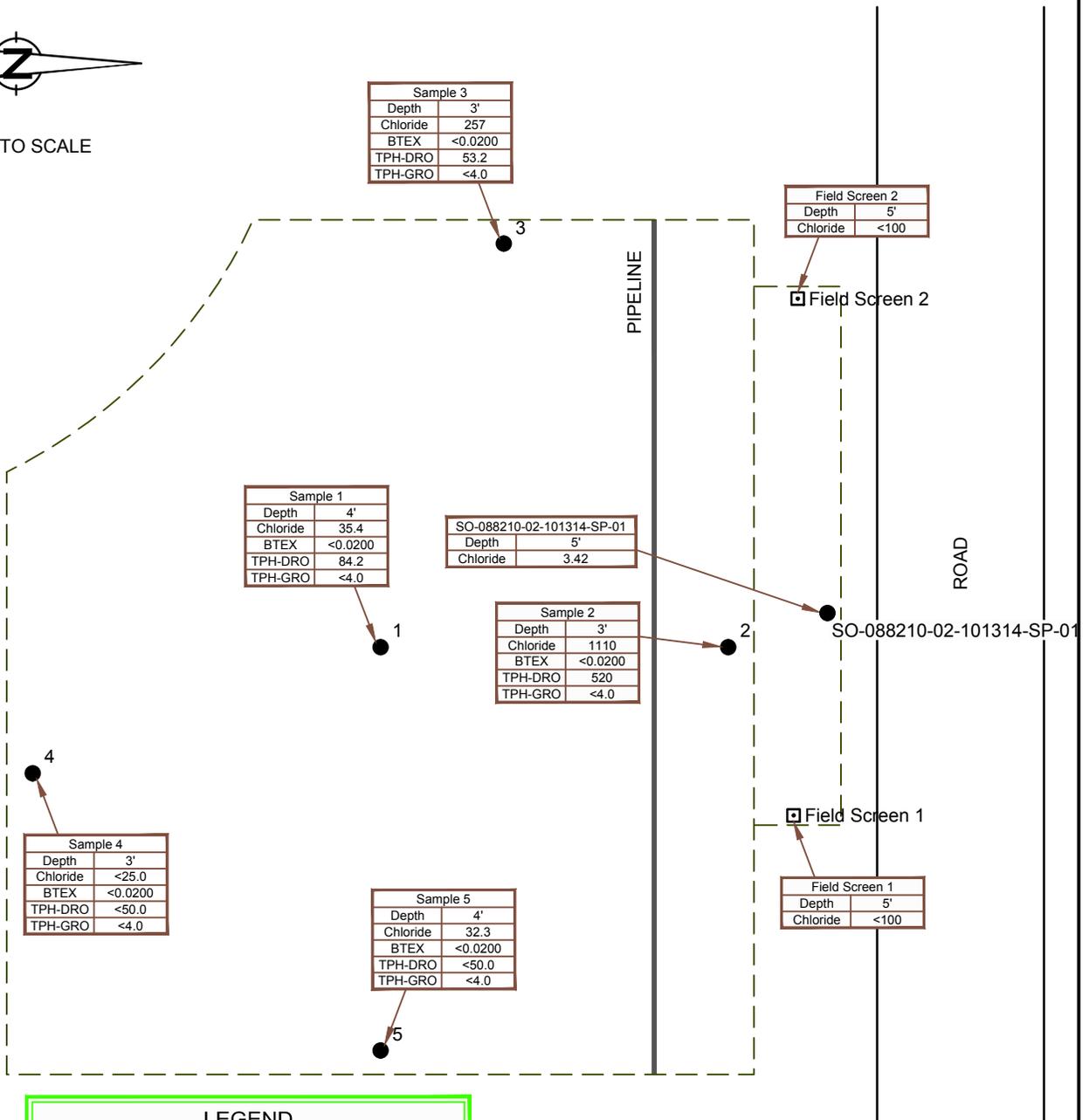
LAT/LONG: 32.1875° NORTH, 103.5286° WEST
 COORDINATE: NAD83 DATUM, U.S. FOOT
 STATE PLANE ZONE - NEW MEXICO EAST

Figure 1
 SITE LOCATION MAP
 MADERA PIPELINE
 near Jal, New Mexico





NOT TO SCALE



LEGEND

- Surface Sample Location
- Field Screen Location
- Excavation Boundary

BTEX Benzene, Toluene, Ethylbenzene and Xylenes Concentration (ppm)

TPH Total Petroleum Hydrocarbons Concentration (ppm)

DRO TPH as Diesel Range Organics

GRO TPH as Gasoline Range Organics

NOTE:

1. All results are in ppm.

Figure 2
SITE DETAIL MAP
MADERA PIPELINE
near Jal, New Mexico



Appendix A

Laboratory Analytical Results

Summary Report

Steven Perez
CRA-Midland
2135 South Loop 250 West
Midland, TX 79703

Report Date: August 5, 2014

Work Order: 14073103



Project Location: Jal, NM
Project Name: EOG-Madera Pipeline
Project Number: 088210/02

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
369991	088210-MPL-N Wall 3'	soil	2014-07-29	12:15	2014-07-31
369992	088210-MPL-Center Hole 4'	soil	2014-07-29	12:10	2014-07-31
369993	088210-MPL-W Wall 3'	soil	2014-07-29	12:25	2014-07-31
369994	088210-MPL-S Wall 3'	soil	2014-07-29	12:35	2014-07-31
369995	088210-MPL-E Wall 4'	soil	2014-07-29	12:50	2014-07-31

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
369991 - 088210-MPL-N Wall 3'	<0.200 ¹	<0.200	<0.200	<0.200	520 Qr, Qs	<40.0 ²
369992 - 088210-MPL-Center Hole 4'	<0.0200	<0.0200	<0.0200	<0.0200	84.2 Qr, Qs	<4.00
369993 - 088210-MPL-W Wall 3'	<0.0200	<0.0200	<0.0200	<0.0200	63.2 Qr, Qs	<4.00
369994 - 088210-MPL-S Wall 3'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0 Qr, Qs	<4.00
369995 - 088210-MPL-E Wall 4'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0 Qr, Qs	<4.00

Sample: 369991 - 088210-MPL-N Wall 3'

Param	Flag	Result	Units	RL
Chloride		1110	mg/Kg	25

Sample: 369992 - 088210-MPL-Center Hole 4'

Param	Flag	Result	Units	RL
Chloride		35.4	mg/Kg	25

¹Dilution due to turbidity.

²Dilution due to turbidity.

Sample: 369993 - 088210-MPL-W Wall 3'

Param	Flag	Result	Units	RL
Chloride		257	mg/Kg	25

Sample: 369994 - 088210-MPL-S Wall 3'

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 369995 - 088210-MPL-E Wall 4'

Param	Flag	Result	Units	RL
Chloride		32.3	mg/Kg	25

Analytical Report 495086
for
Conestoga-Rovers & Associates-Albuquerque, NM

Project Manager: Bernie Bockisch
EOG Remediation Sites-Madrea Pipeline

20-OCT-14

Collected By: Client



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-18), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



20-OCT-14

Project Manager: **Bernie Bockisch**
Conestoga-Rovers & Associates-Albuquerque, NM
6121 Indian School Rd. NE Suite 200

Albuquerque, NM 87110

Reference: XENCO Report No(s): **495086**
EOG Remediation Sites-Madrea Pipeline
Project Address: Jal,NM

Bernie Bockisch:

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) 495086. 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. 495086 will be filed for 60 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,


Kelsey Brooks
Project Manager

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Sample Cross Reference 495086



Conestoga-Rovers & Associates-Albuquerque, NM, Albuquerque

EOG Remediation Sites-Madrea Pipeline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SO-08210-02-101314-SP-01	S	10-13-14 12:45		495086-001



CASE NARRATIVE



Client Name: Conestoga-Rovers & Associates-Albuquerque, NM

Project Name: EOG Remediation Sites-Madrea Pipeline

Project ID:
Work Order Number(s): 495086

Report Date: 20-OCT-14
Date Received: 10/14/2014

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 495086

Conestoga-Rovers & Associates-Albuquerque, NM, Albuquerque, NM



Project Id:

Contact: Bernie Bockisch

Project Name: EOG Remediation Sites-Madrea Pipeline

Date Received in Lab: Tue Oct-14-14 10:19 am

Report Date: 20-OCT-14

Project Location: Jal,NM

Project Manager: Kelsey Brooks

Analysis Requested	Lab Id:	495086-001				
	Field Id:	SO-08210-02-101314-SP-01				
	Depth:					
	Matrix:	SOIL				
	Sampled:	Oct-13-14 12:45				
Inorganic Anions by EPA 300/300.1 SUB: E871002	Extracted:	Oct-16-14 11:57				
	Analyzed:	Oct-16-14 17:45				
	Units/RL:	mg/kg RL				
Chloride		3.42 2.27				
Percent Moisture	Extracted:					
	Analyzed:	Oct-14-14 17:00				
	Units/RL:	% RL				
Percent Moisture		12.2 1.00				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. 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



Kelsey Brooks
Project Manager

- 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

+ NELAC certification not offered for this compound.

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

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4143 Greenbriar Dr, Stafford, TX 77477	Phone	Fax
9701 Harry Hines Blvd , Dallas, TX 75220	(281) 240-4200	(281) 240-4280
5332 Blackberry Drive, San Antonio TX 78238	(214) 902 0300	(214) 351-9139
2505 North Falkenburg Rd, Tampa, FL 33619	(210) 509-3334	(210) 509-3335
12600 West I-20 East, Odessa, TX 79765	(813) 620-2000	(813) 620-2033
6017 Financial Drive, Norcross, GA 30071	(432) 563-1800	(432) 563-1713
3725 E. Atlanta Ave, Phoenix, AZ 85040	(770) 449-8800	(770) 449-5477
	(602) 437-0330	



Blank Spike Recovery



Project Name: EOG Remediation Sites-Madrea Pipelir

Work Order #: 495086

Project ID:

Lab Batch #: 953149

Sample: 663057-1-BKS

Matrix: Solid

Date Analyzed: 10/16/2014

Date Prepared: 10/16/2014

Analyst: DEP

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	<2.00	20.0	19.5	98	80-120	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: EOG Remediation Sites-Madrea Pipeline

Work Order # : 495086

Project ID:

Lab Batch ID: 953149

QC- Sample ID: 495023-001 S

Batch #: 1 **Matrix:** Soil

Date Analyzed: 10/16/2014

Date Prepared: 10/16/2014

Analyst: DEP

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<2.08	20.8	22.5	108	20.8	22.5	108	0	80-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: EOG Remediation Sites-Madrea Pipeline

Work Order #: 495086

Lab Batch #: 952934

Project ID:

Date Analyzed: 10/14/2014 17:00

Date Prepared: 10/14/2014

Analyst: WRU

QC- Sample ID: 495086-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	12.2	12.0	2	20	

Lab Batch #: 952934

Date Analyzed: 10/14/2014 17:00

Date Prepared: 10/14/2014

Analyst: WRU

QC- Sample ID: 495120-011 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	27.4	28.2	3	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO.: **32770**

Address: **6121 Indian School Rd NE, Albuquerque, NM, 87110**

Phone: **(505) 280-0572** Fax: _____

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: **088210/02**

Laboratory Name: **Xenco Labs**

Lab Location: **Alameda, TX**

SSOW ID:

Project Name: **EDS Remediation Sites - Madena Pipeline**

Lab Contact: _____

Lab Quote No: _____

Cooler No: _____

Project Location: **New Jal, NM**

SAMPLE TYPE

CONTAINER QUANTITY & PRESERVATION

ANALYSIS REQUESTED (See Back of COC for Definitions)

Carrier:

Chemistry Contact: **Ignie Beckisch bbeckisch@conestoga.com**

Matrix Code (see back of COC)

Grab (G) or Comp (C)

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

Sampler(s): **Steve Perez sperez@conestoga.com**

Item

DATE (mm/dd/yyyy)

TIME (hh:mm)

Matrix Code (see back of COC)

Grab (G) or Comp (C)

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

1 **SO-088210-02-101314-SR-01** **10/13/14** **12:45** **SO G**

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

2

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

3

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

4

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

5

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

6

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

7

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

8

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

9

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other: **ICE**

Total Containers/Sample

MS/MSD Request

Airbill No: **297154834**

Date Shipped: **10/13/14**

Carrier:

10

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Conestoga-Rovers & Associates-Albuqu

Date/ Time Received: 10/14/2014 10:19:43 AM

Work Order #: 495086

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

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	No
#5 Custody Seals intact on sample bottles?	No
#6 *Custody Seals Signed and dated?	No
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	No
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by: *Kelsey Brooks* Date: 10/14/2014
Kelsey Brooks

Checklist reviewed by: *Kelsey Brooks* Date: 10/14/2014
Kelsey Brooks