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June 15, 2018

Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Henryetta Price
Carlsbad Field Office
United States Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

Re: **Remediation Summary and Closure Report**
Skelly Unit #986
API No. 30-15-36446
GPS: 32.8227997, -103.8610764
UL "F", Sec. 22, T17S, R31E
Eddy Co, NM
NMOCD Ref. No. 2RP-4588

TRC Environmental Corporation (TRC), on behalf of COG Operating, LLC (COG), has prepared this *Remediation Summary and Closure Report* for the release site known as the Skelly Unit #986. Details of the release are summarized below:

| RELEASE DETAILS | | |
|---|---|---|
| Type of Release: | Crude Oil and Produced Water | |
| | Volume of Release: 3 bbls Produced Water, 6 bbls Crude Oil | |
| Source of Release: | Volume Recovered: 2.5 bbls Produced Water, 5.5 Crude Oil | |
| Was Immediate Notice Given? | Not Required | Date of Release: 01/19/18 Date of Discovery: 01/19/18 |
| Was a Watercourse Reached? | No | If YES, to Whom? If yes, to Whom? |
| Cause of Problem and Remedial Action Taken: | | |
| This release was caused by a corroded seal on the Balon® valve. | | |

A Site Location Map is provided as Attachment #1. A copy of the initial Release Notification and Corrective Action (NMOCD Form C-141) is provided as Attachment #6.

REGULATORY FRAMEWORK

Crude oil facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). Impact of soil due to a surface release is addressed in the NMOCD guidance document titled *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993.

The guidance document provides direction for initial response actions, site assessment, sampling procedures, and provides a total ranking score based on the depth to groundwater, distance to private and domestic water sources, and the distance to the nearest surface water body as follows:

| RANKING SCORE CRITERIA | | |
|---|------------------|-------|
| General Site Characteristics | | Score |
| Depth to Groundwater | < 50 Feet | 20 |
| | 50-99 Feet | 10 |
| | > 100 Feet | 0 |
| Well Head Protection Area, <1,000 Feet from water source, or <200 Feet from private domestic water source | Yes | 20 |
| | No | 0 |
| Distance to Surface Water Body | < 200 Feet | 20 |
| | 200 - 1,000 Feet | 10 |
| | > 1,000 Feet | 0 |

A search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average depth to groundwater within the Section and identify any registered water wells within 1,000 ft. of the release site. If none were identified, the approximate depth to groundwater was extrapolated from a Depth to Groundwater Map utilized by the NMOCD. The results of the groundwater database search are provided as Attachment #3.

| TOTAL RANKING SCORE FOR SITE | | |
|---|--------------|----------|
| Ranking Score Criteria | | Score |
| Depth to Groundwater | 325 Feet | 0 |
| Well Head Protection Area, <1,000 Feet from water source, or <200 Feet from private domestic water source | No | 0 |
| Distance to Surface Water Body | > 1,000 Feet | 0 |
| TOTAL RANKING SCORE FOR SITE | | 0 |

The NMOCD guidelines indicated the Site has an initial ranking score of 0 points. The NMOCD Recommended Remediation Action Levels (RRAL) for a Site with a ranking score of 0 points are as follows:

| RECOMMENDED REMEDIATION ACTION LEVELS | |
|---|-------------|
| Benzene | 10 mg/kg |
| Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) | 50 mg/kg |
| Total Petroleum Hydrocarbons (TPH) | 5,000 mg/kg |
| Chloride | 600 mg/kg |

INITIAL INVESTIGATION

On March 7, 2018, TRC conducted an initial investigation at the Site. During the initial investigation, a series of hand-augered soil bores (SP-1 and SP-2) were advanced within the release margins in an effort to determine the vertical extent of soil impact. During the advancement of the soil bores, ten (10) soil samples were collected. In addition, four (4) soil samples were collected from the edges of the inferred release margins in an effort to determine the horizontal extent of soil impact. The collected soil samples were submitted to an NMOCD-approved laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. A table summarizing laboratory analytical results from soil samples collected during the initial investigation is provided below:

| Sample ID | Depth | Soil Status | SW 846-8021b | | SW-846 8015M | | | | E300 |
|-------------------|-------|-------------|--------------|------------|--|---|---|--|--------------|
| | | | Benzene | Total BTEX | TPH GRO C ₆ -C ₁₀ | TPH DRO C ₁₀ -C ₂₈ | TPH ORO C ₂₈ -C ₃₅ | TOTAL TPH C ₆ -C ₃₅ | |
| SP-1 @ Surf. | Surf. | Excavated | <0.0189 | <0.0189 | <3.79 | 204 | 42.3 | 246.3 | 3,070 |
| SP-1 @ 6" | 6" | Excavated | <0.0177 | <0.0177 | 6.64 | 342 | 58.3 | 406.94 | 2,060 |
| SP-1 @ 1' | 1' | Excavated | <0.0193 | <0.0193 | <3.85 | 160 | 39.0 | 199 | 1,320 |
| SP-1 @ 2' | 2' | Excavated | <0.0196 | <0.0196 | <3.93 | 156 | 43.7 | 199.7 | 1,320 |
| SP-1 @ 3' | 3' | Excavated | <0.0185 | 0.1296 | 12.2 | 731 | 102 | 845.2 | 1,180 |
| SP-1 @ 4' | 4' | In-Situ | <0.0186 | <0.0186 | <3.71 | 254 | 29.9 | 283.9 | 545 |
| SP-2 @ Surf. | Surf. | Excavated | <0.965 | 19.98 | 658 | 19,000 | 3,150 | 22,808 | 3,360 |
| SP-2 @ 1' | 1' | In-Situ | <0.0185 | <0.0185 | <3.70 | 82.1 | 20.1 | 102.2 | 34.0 |
| SP-2 @ 2' | 2' | In-Situ | <0.0188 | <0.0188 | <3.76 | 84.1 | 17.2 | 101.3 | 52.4 |
| SP-2 @ 3' | 3' | In-Situ | <0.0189 | <0.0189 | <3.77 | 99.3 | 19.0 | 118.3 | 125 |
| N @ 6" | 6" | Excavated | <0.0183 | <0.0183 | <3.66 | 60.6 | 22.4 | 83.0 | 1,610 |
| E @ 6" | 6" | In-Situ | <0.0174 | <0.0174 | <3.47 | 152 | 37.3 | 189.3 | 48.4 |
| S @ 6" | 6" | In-Situ | <0.0189 | 0.0208 | <3.77 | 18.8 | <14.9 | 18.8 | 35.2 |
| W @ 6" | 6" | In-Situ | <0.0190 | <0.0190 | <3.80 | 46.7 | 21.2 | 67.9 | 58.1 |
| NMOCD RRAL | | | 10 | 50 | - | - | - | 5,000 | 600 |

Laboratory analytical reports are provided as Attachment #4. A "Site & Confirmation Sample Location Map" is provided as Attachment #2.

SUMMARY OF SOIL REMEDIATION ACTIVITIES

Utilizing a backhoe, impacted soil within the release margins was excavated to a depth of approximately four (4) feet below ground surface (bgs) in the area represented by sample point SP-1 and to a depth of approximately one (1) foot bgs in the area represented by sample point SP-2. The floor and sidewalls of the excavated areas were advanced until field observations and/or field tests suggested impacted soil affected above the NMOCD RRAL had been removed. Excavated soil was temporarily stockpiled on-site, atop an impermeable liner, pending final disposition. Upon completing excavation activities, nine (9) excavation confirmation soil samples were collected from the floor and sidewalls of the excavated areas. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride. Stockpiled soil was transported to an NMOCD-approved disposal facility. A table summarizing laboratory analytical results from confirmation soil samples is provided below:

| Sample ID | Depth | Soil Status | SW 846-8021b | | SW-846 8015M | | | | E300 CHLORIDE |
|-------------------|-------|-------------|--------------|------------|--|---|---|---|------------------|
| | | | Benzene | Total BTEX | TPH GRO C ₆ -C ₁₀ | TPH DRO C ₁₀ -C ₂₈ | TPH ORO C ₂₈ -C ₃₅ | TOTAL TPH C ₆ -C ₃₅ | |
| SP-2 NSW | 6" | In-Situ | <0.00202 | <0.00202 | <25.0 | <25.0 | <25.0 | <25.0 | 86.1 |
| SP-2 WSW | 6" | In-Situ | <0.00199 | <0.00199 | <25.0 | <25.0 | <25.0 | <25.0 | <5.00 |
| SP-2 SSW | 6" | In-Situ | <0.00199 | <0.00199 | <24.9 | <24.9 | <24.9 | <24.9 | 16.0 |
| SP-2 FL @1' | 1' | In-Situ | <0.00200 | <0.00200 | <24.9 | <24.9 | <24.9 | <24.9 | 43.7 |
| SP-1 NSW | 2' | In-Situ | <0.00200 | <0.00200 | <25.0 | <25.0 | <25.0 | <25.0 | 101 |
| SP-1 WSW | 2' | In-Situ | <0.00200 | <0.00200 | <25.0 | <25.0 | <25.0 | <25.0 | 12.3 |
| SP-1 SSW | 2' | In-Situ | <0.00199 | <0.00199 | <25.0 | <25.0 | <25.0 | <25.0 | 20.7 |
| SP-1 ESW | 2' | In-Situ | <0.00200 | <0.00200 | <25.0 | <25.0 | <25.0 | <25.0 | 20.6 |
| SP-1 FL @4' | 4' | In-Situ | <0.00202 | <0.00202 | <24.9 | <24.9 | <24.9 | <24.9 | 222 |
| NMOCD RRAL | | | 10 | 50 | - | - | - | 5,000 | 600 |

Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted "like" material. A Photographic Log is provided as Attachment #5.

| EXCAVATION/REMEDIATION DETAIL SUMMARY | | | |
|---|--------------------|---------------------------|-----------------------|
| Type of Remediation: | Dig and Haul | | |
| Date Remediation Activities Began: | April 24, 2018 | | |
| Excavation Dimensions: | Length: 50' | Width: 10-25' | Depth: 1-4' |
| Soil Transportation Start Date: | April 27, 2018 | Backfill Date: | May 28, 2018 |
| Total Yards Transported to Disposal: | 300 YDS | Disposal Facility: | R360 Halfway Facility |

LIMITATIONS

TRC has prepared this Remediation Summary and Soil Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of COG Operating, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or COG Operating, LLC.

SITE CLOSURE REQUEST

Impacted material affected above the NMOCD RRAL was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from excavation confirmation soil samples indicated concentrations of BTEX, TPH and chloride were below the NMOCD RRAL. Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted "like" material. TRC on behalf of COG Operating, LLC respectfully requests the NMOCD and BLM grant closure approval for the Skelly Unit #986 release which occurred on January 19, 2018.

If you have any questions, or if additional is required, please feel free to contact Becky Haskell or either of the undersigned by phone or email.

Respectfully,

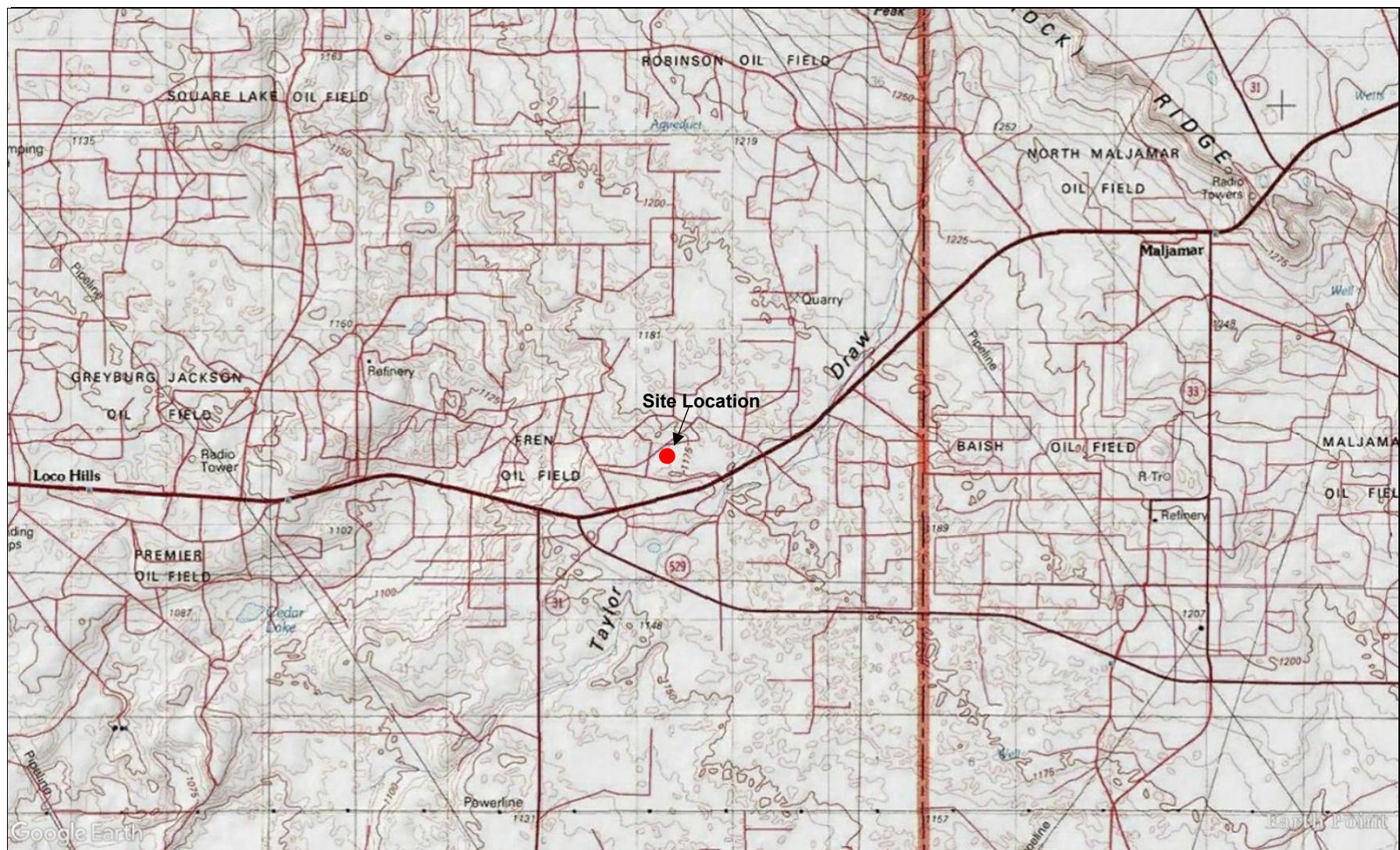


Joel Lowry
Senior Project Manager
TRC Environmental Corp.



Curt Stanley
Senior Project Manager
TRC Environmental Corp.

| | |
|---------------------|--|
| Attachments: | Attachment #1- Figure 1 - Site Location Map |
| | Attachment #2- Figure 2 - Site & Confirmation Sample Location Map |
| | Attachment #3- Groundwater Database Search |
| | Attachment #4- Laboratory Analytical Reports |
| | Attachment #5- Photographic Log |
| | Attachment #6- Release Notification and Corrective Action (FORM C-141) |

**LEGEND:**

● Site Location

Figure 1

Site Location Map
COG Operating, LLC
Skelly Unit #986
Eddy Co, NM

Scale 1" = 9,000'

Drafted by: BC | Checked by: JL

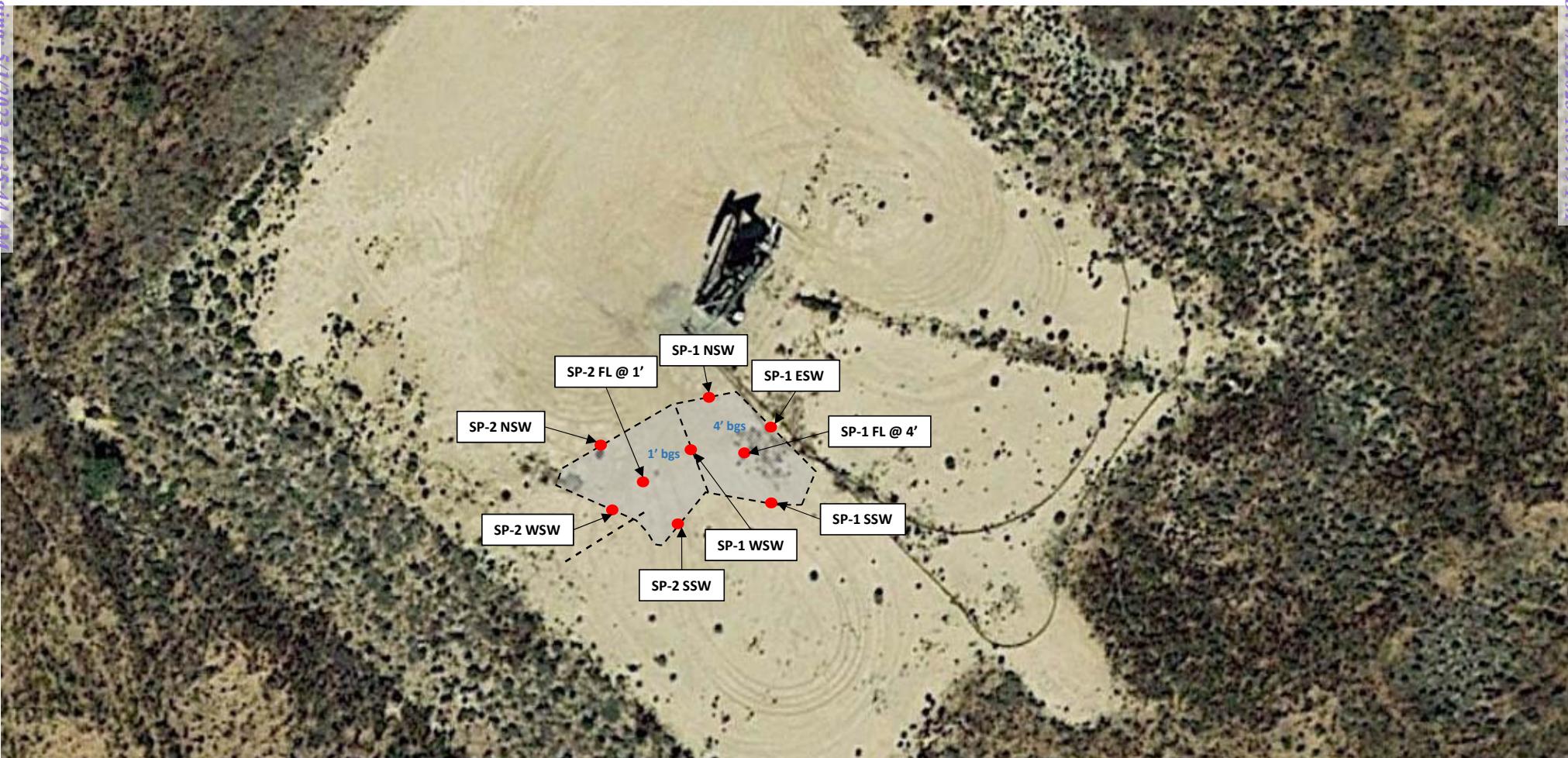
Draft: May 29, 2018

GPS: 32.8227997, -103.8610764

UL "F", Sec. 22, T17S, R31E

TRC Proj. No: 299890





LEGEND:

- Confirmation Sample Location
- ↔ Remediated Area

Figure 2
Site & Confirmation
Sample Location Map
COG Operating, LLC
Skelly Unit #986
Eddy County, New Mexico

Scale 1" = ~50'

Drafted by: ZC | Checked by: JL

Draft: June 5, 2018

Lat. N 32.8227997 Long. W 103.8610764

UL "F", Sec. 22, T17S, R31E

TRC Proj. No.: 299890



2057 Commerce Drive
Midland, Texas 79703
432.520.7720



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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 22 **Township:** 17S **Range:** 31E

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

5/29/18 8:57 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

**Certificate of Analysis Summary 578790**

TRC Solutions, Inc, Midland, TX

Project Name: Skelly Unit 986

Project Id:

Contact: Joel Lowry

Project Location: Eddy Co. NM

Date Received in Lab: Thu Mar-08-18 05:45 pm

Report Date: 12-MAR-18

Project Manager: Kelsey Brooks

| Analysis Requested | Lab Id: | 578790-001 | 578790-002 | 578790-003 | 578790-004 | 578790-005 | 578790-006 |
|--|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| BTEX by EPA 8021B | Extracted: | Mar-09-18 14:00 |
| | Analyzed: | Mar-10-18 13:41 | Mar-10-18 23:36 | Mar-11-18 00:03 | Mar-11-18 00:30 | Mar-11-18 00:57 | Mar-10-18 06:27 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Benzene | | <0.0189 | 0.0189 | <0.0177 | 0.0177 | <0.0193 | 0.0193 |
| Toluene | | <0.0189 | 0.0189 | <0.0177 | 0.0177 | <0.0193 | 0.0193 |
| Ethylbenzene | | <0.0189 | 0.0189 | <0.0177 | 0.0177 | <0.0193 | 0.0193 |
| m,p-Xylenes | | <0.0379 | 0.0379 | <0.0355 | 0.0355 | <0.0385 | 0.0385 |
| o-Xylene | | <0.0189 | 0.0189 | <0.0177 | 0.0177 | <0.0193 | 0.0193 |
| Xylenes, Total | | <0.0189 | 0.0189 | <0.0177 | 0.0177 | <0.0193 | 0.0193 |
| Total BTEX | | <0.0189 | 0.0189 | <0.0177 | 0.0177 | <0.0193 | 0.0193 |
| Chloride by EPA 300 | Extracted: | Mar-10-18 09:30 |
| | Analyzed: | Mar-10-18 14:30 | Mar-10-18 15:48 | Mar-10-18 17:52 | Mar-10-18 18:29 | Mar-10-18 19:19 | Mar-10-18 19:44 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 3070 | 250 | 2060 D | 125 | 1320 D | 125 |
| DRO-ORO By SW8015B SUB: TX104704215-18-24 | Extracted: | Mar-10-18 12:00 | Mar-10-18 12:03 | Mar-10-18 12:06 | Mar-10-18 12:09 | Mar-10-18 12:12 | Mar-11-18 14:12 |
| | Analyzed: | Mar-10-18 22:31 | Mar-10-18 22:52 | Mar-10-18 23:13 | Mar-10-18 22:10 | Mar-10-18 23:35 | Mar-11-18 18:14 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Diesel Range Organics (DRO) | | 204 | 14.9 | 342 | 14.9 | 160 | 14.9 |
| Oil Range Hydrocarbons (ORO) | | 42.3 | 14.9 | 58.3 | 14.9 | 39.0 | 14.9 |
| TPH GRO by EPA 8015 Mod. | Extracted: | Mar-09-18 14:00 |
| | Analyzed: | Mar-10-18 13:41 | Mar-10-18 23:36 | Mar-11-18 00:03 | Mar-11-18 00:30 | Mar-11-18 00:57 | Mar-10-18 06:27 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| TPH-GRO | | <3.79 | 3.79 | 6.64 | 3.55 | <3.85 | 3.85 |
| | | | | <3.85 | 3.85 | <3.93 | 3.93 |
| | | | | | | 12.2 | 3.70 |
| | | | | | | <3.71 | 3.71 |

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

**Certificate of Analysis Summary 578790**

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TRC Solutions, Inc, Midland, TX

Project Name: Skelly Unit 986

Project Id:

Contact: Joel Lowry

Project Location: Eddy Co. NM

Date Received in Lab: Thu Mar-08-18 05:45 pm

Report Date: 12-MAR-18

Project Manager: Kelsey Brooks

| Analysis Requested | Lab Id: | 578790-007 | 578790-008 | 578790-009 | 578790-010 | 578790-011 | 578790-012 |
|--|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| BTEX by EPA 8021B | Extracted: | Mar-09-18 14:00 |
| | Analyzed: | Mar-11-18 03:46 | Mar-10-18 10:59 | Mar-10-18 11:26 | Mar-10-18 12:20 | Mar-10-18 09:11 | Mar-10-18 09:37 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Benzene | | <0.965 | 0.965 | <0.0185 | 0.0185 | <0.0188 | 0.0188 |
| Toluene | | 1.06 | 0.965 | <0.0185 | 0.0185 | <0.0188 | 0.0188 |
| Ethylbenzene | | 6.85 | 0.965 | <0.0185 | 0.0185 | <0.0188 | 0.0188 |
| m,p-Xylenes | | 7.82 | 1.93 | <0.0370 | 0.0370 | <0.0376 | 0.0376 |
| o-Xylene | | 4.25 | 0.965 | <0.0185 | 0.0185 | <0.0188 | 0.0188 |
| Xylenes, Total | | 12.07 | 0.965 | <0.0185 | 0.0185 | <0.0188 | 0.0188 |
| Total BTEX | | 19.98 | 0.965 | <0.0185 | 0.0185 | <0.0188 | 0.0188 |
| Chloride by EPA 300 | Extracted: | Mar-10-18 09:30 |
| | Analyzed: | Mar-10-18 20:09 | Mar-10-18 20:33 | Mar-10-18 20:46 | Mar-10-18 21:48 | Mar-10-18 22:40 | Mar-10-18 23:10 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 3360 D | 250 | 34.0 | 25.0 | 52.4 | 25.0 |
| DRO-ORO By SW8015B SUB: TX104704215-18-24 | Extracted: | Mar-11-18 14:15 | Mar-11-18 14:18 | Mar-11-18 14:21 | Mar-11-18 14:24 | Mar-11-18 14:27 | Mar-11-18 14:30 |
| | Analyzed: | Mar-12-18 13:05 | Mar-11-18 18:35 | Mar-11-18 19:39 | Mar-11-18 20:00 | Mar-11-18 20:21 | Mar-11-18 20:42 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Diesel Range Organics (DRO) | | 19000 | 150 | 82.1 | 14.9 | 84.1 | 14.9 |
| Oil Range Hydrocarbons (ORO) | | 3150 | 150 | 20.1 | 14.9 | 17.2 | 14.9 |
| TPH GRO by EPA 8015 Mod. | Extracted: | Mar-09-18 14:00 |
| | Analyzed: | Mar-11-18 03:46 | Mar-10-18 10:59 | Mar-10-18 11:26 | Mar-10-18 12:20 | Mar-10-18 09:11 | Mar-10-18 09:37 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| TPH-GRO | | 658 | 193 | <3.70 | 3.70 | <3.76 | 3.76 |
| | | | | <3.77 | 3.77 | <3.66 | 3.66 |
| | | | | | | <3.47 | 3.47 |

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

**Certificate of Analysis Summary 578790**

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TRC Solutions, Inc, Midland, TX**Project Name: Skelly Unit 986****Project Id:****Contact:** Joel Lowry**Project Location:** Eddy Co. NM**Date Received in Lab:** Thu Mar-08-18 05:45 pm**Report Date:** 12-MAR-18**Project Manager:** Kelsey Brooks

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 578790-013 S @ 6" 6- ft SOIL Mar-07-18 12:10 | 578790-014 W @ 6" 6- ft SOIL Mar-07-18 12:15 | | | | |
| BTEX by EPA 8021B | Extracted: Analyzed: Units/RL: | Mar-09-18 14:00 Mar-10-18 10:04 mg/kg | Mar-09-18 14:00 Mar-10-18 10:32 RL | | | | |
| Benzene | | <0.0189 0.0189 | <0.0190 0.0190 | | | | |
| Toluene | | <0.0189 0.0189 | <0.0190 0.0190 | | | | |
| Ethylbenzene | | 0.0208 0.0189 | <0.0190 0.0190 | | | | |
| m,p-Xylenes | | <0.0377 0.0377 | <0.0380 0.0380 | | | | |
| o-Xylene | | <0.0189 0.0189 | <0.0190 0.0190 | | | | |
| Xylenes, Total | | <0.0189 0.0189 | <0.019 0.019 | | | | |
| Total BTEX | | 0.0208 0.0189 | <0.019 0.019 | | | | |
| Chloride by EPA 300 | Extracted: Analyzed: Units/RL: | Mar-10-18 09:30 Mar-10-18 23:25 mg/kg | Mar-10-18 09:30 Mar-10-18 23:38 RL | | | | |
| Chloride | | 35.2 25.0 | 58.1 25.0 | | | | |
| DRO-ORO By SW8015B SUB: TX104704215-18-24 | Extracted: Analyzed: Units/RL: | Mar-11-18 14:33 Mar-11-18 21:04 mg/kg | Mar-11-18 14:36 Mar-11-18 21:25 RL | | | | |
| Diesel Range Organics (DRO) | | 18.8 14.9 | 46.7 15.0 | | | | |
| Oil Range Hydrocarbons (ORO) | | <14.9 14.9 | 21.2 15.0 | | | | |
| TPH GRO by EPA 8015 Mod. | Extracted: Analyzed: Units/RL: | Mar-09-18 14:00 Mar-10-18 10:04 mg/kg | Mar-09-18 14:00 Mar-10-18 10:32 RL | | | | |
| TPH-GRO | | <3.77 3.77 | <3.80 3.80 | | | | |

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

Analytical Report 578790

for
TRC Solutions, Inc

Project Manager: Joel Lowry
Skelly Unit 986

12-MAR-18

Collected By: Client



6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-18-24), 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 (T104704400-18-14)
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)



12-MAR-18

Project Manager: **Joel Lowry**

TRC Solutions, Inc

2057 Commerce

Midland, TX 79703

Reference: XENCO Report No(s): **578790**

Skelly Unit 986

Project Address: Eddy Co. NM

Joel Lowry:

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) 578790. 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. 578790 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink, appearing to read "Kelsey Brooks".

Kelsey Brooks

Project Manager

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

Certified and approved by numerous States and Agencies.

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

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



Sample Cross Reference 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------------|---------------|-----------------------|---------------------|----------------------|
| SP-1 @ Surface | S | 03-07-18 10:45 | Surf ft | 578790-001 |
| SP-1 @ 6" | S | 03-07-18 10:50 | 6 ft | 578790-002 |
| SP-1 @ 1' | S | 03-07-18 10:57 | 1 ft | 578790-003 |
| SP-1 @ 2' | S | 03-07-18 10:59 | 2 ft | 578790-004 |
| SP-1 @ 3' | S | 03-07-18 11:07 | 3 ft | 578790-005 |
| SP-1 @ 4' | S | 03-07-18 11:09 | 4 ft | 578790-006 |
| SP-2 @ Surf | S | 03-07-18 11:35 | 1 ft | 578790-007 |
| SP-2 @ 1' | S | 03-07-18 11:39 | 1 ft | 578790-008 |
| SP-2 @ 2' | S | 03-07-18 11:44 | 2 ft | 578790-009 |
| SP-2 @ 3' | S | 03-07-18 11:49 | 3 ft | 578790-010 |
| N @ 6" | S | 03-07-18 12:00 | 6 ft | 578790-011 |
| E @ 6" | S | 03-07-18 12:05 | 6 ft | 578790-012 |
| S @ 6" | S | 03-07-18 12:10 | 6 ft | 578790-013 |
| W @ 6" | S | 03-07-18 12:15 | 6 ft | 578790-014 |



CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: Skelly Unit 986

Project ID:

Work Order Number(s): 578790

Report Date: 12-MAR-18

Date Received: 03/08/2018

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3043314 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3043344 BTEX by EPA 8021B

Sample 578790-007 was diluted due to turbidity.

Batch: LBA-3043346 Chloride by EPA 300

Lab Sample ID 578790-004 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 578790-002, -003, -004, -005, -006, -007, -008, -009.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ Surface**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-001**

Date Collected: 03.07.18 10.45

Sample Depth: Surf ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **RNL**

% Moisture:

Analyst: **RNL**

Date Prep: 03.10.18 09.30

Basis: **Wet Weight**

Seq Number: **3043343**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------------|------------|-------------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 3070 | 250 | mg/kg | 03.10.18 14.30 | | 10 |

Analytical Method: DRO-ORO By SW8015B

Prep Method: SW8015P

Tech: **ISU**

% Moisture:

Analyst: **ISU**

Date Prep: 03.10.18 12.00

Basis: **Wet Weight**

Seq Number: **3043382**

SUB: TX104704215-18-24

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-------------------------------------|------------|-------------|-------|--------|----------------|------|-----|
| Diesel Range Organics (DRO) | C10C28DRO | 204 | 14.9 | mg/kg | 03.10.18 22.31 | | 1 |
| Oil Range Hydrocarbons (ORO) | PHCG2835 | 42.3 | 14.9 | mg/kg | 03.10.18 22.31 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-135 | 03.10.18 22.31 | | |
| o-Terphenyl | 84-15-1 | 115 | % | 70-135 | 03.10.18 22.31 | | |

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043314**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|-------------|------------|--------|--------|----------------|------|-----|
| Benzene | 71-43-2 | <0.0189 | 0.0189 | mg/kg | 03.10.18 13.41 | U | 1 |
| Toluene | 108-88-3 | <0.0189 | 0.0189 | mg/kg | 03.10.18 13.41 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.0189 | 0.0189 | mg/kg | 03.10.18 13.41 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.0379 | 0.0379 | mg/kg | 03.10.18 13.41 | U | 1 |
| o-Xylene | 95-47-6 | <0.0189 | 0.0189 | mg/kg | 03.10.18 13.41 | U | 1 |
| Xylenes, Total | 1330-20-7 | <0.0189 | 0.0189 | mg/kg | 03.10.18 13.41 | U | 1 |
| Total BTEX | | <0.0189 | 0.0189 | mg/kg | 03.10.18 13.41 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 93 | % | 68-120 | 03.10.18 13.41 | | |
| a,a,a-Trifluorotoluene | 98-08-8 | 93 | % | 71-121 | 03.10.18 13.41 | | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ Surface**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-001**

Date Collected: 03.07.18 10.45

Sample Depth: Surf ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043319**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.79 | 3.79 | mg/kg | 03.10.18 13.41 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 102 | % | 76-123 | 03.10.18 13.41 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 96 | % | 69-120 | 03.10.18 13.41 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 6"**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-002**

Date Collected: 03.07.18 10.50

Sample Depth: 6 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **RNL**

% Moisture:

Analyst: **RNL**

Date Prep: 03.10.18 09.30

Basis: **Wet Weight**

Seq Number: **3043346**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------------|------------|-------------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 2060 | 125 | mg/kg | 03.10.18 16.00 | D | 5 |

Analytical Method: DRO-ORO By SW8015B

Prep Method: SW8015P

Tech: **ISU**

% Moisture:

Analyst: **ISU**

Date Prep: 03.10.18 12.03

Basis: **Wet Weight**

Seq Number: **3043382**

SUB: TX104704215-18-24

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-------------------------------------|------------|-------------|-------|--------|----------------|------|-----|
| Diesel Range Organics (DRO) | C10C28DRO | 342 | 14.9 | mg/kg | 03.10.18 22.52 | | 1 |
| Oil Range Hydrocarbons (ORO) | PHCG2835 | 58.3 | 14.9 | mg/kg | 03.10.18 22.52 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | 111-85-3 | 99 | % | 70-135 | 03.10.18 22.52 | | |
| o-Terphenyl | 84-15-1 | 97 | % | 70-135 | 03.10.18 22.52 | | |

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043344**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|-------------|------------|--------|--------|----------------|------|-----|
| Benzene | 71-43-2 | <0.0177 | 0.0177 | mg/kg | 03.10.18 23.36 | U | 1 |
| Toluene | 108-88-3 | <0.0177 | 0.0177 | mg/kg | 03.10.18 23.36 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.0177 | 0.0177 | mg/kg | 03.10.18 23.36 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.0355 | 0.0355 | mg/kg | 03.10.18 23.36 | U | 1 |
| o-Xylene | 95-47-6 | <0.0177 | 0.0177 | mg/kg | 03.10.18 23.36 | U | 1 |
| Xylenes, Total | 1330-20-7 | <0.0177 | 0.0177 | mg/kg | 03.10.18 23.36 | U | 1 |
| Total BTEX | | <0.0177 | 0.0177 | mg/kg | 03.10.18 23.36 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 99 | % | 68-120 | 03.10.18 23.36 | | |
| a,a,a-Trifluorotoluene | 98-08-8 | 92 | % | 71-121 | 03.10.18 23.36 | | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 6"**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-002**

Date Collected: 03.07.18 10.50

Sample Depth: 6 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043345**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | 6.64 | 3.55 | mg/kg | 03.10.18 23.36 | | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 92 | % | 76-123 | 03.10.18 23.36 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 94 | % | 69-120 | 03.10.18 23.36 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: SP-1 @ 1'

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-003

Date Collected: 03.07.18 10.57

Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture:

Analyst: RNL

Date Prep: 03.10.18 09.30

Basis: Wet Weight

Seq Number: 3043346

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 1320 | 125 | mg/kg | 03.10.18 18.04 | D | 5 |

Analytical Method: DRO-ORO By SW8015B

Prep Method: SW8015P

Tech: ISU

% Moisture:

Analyst: ISU

Date Prep: 03.10.18 12.06

Basis: Wet Weight

Seq Number: 3043382

SUB: TX104704215-18-24

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Diesel Range Organics (DRO) | C10C28DRO | 160 | 14.9 | mg/kg | 03.10.18 23.13 | | 1 |
| Oil Range Hydrocarbons (ORO) | PHCG2835 | 39.0 | 14.9 | mg/kg | 03.10.18 23.13 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | 111-85-3 | 97 | % | 70-135 | 03.10.18 23.13 | | |
| o-Terphenyl | 84-15-1 | 100 | % | 70-135 | 03.10.18 23.13 | | |

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043344

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.0193 | 0.0193 | mg/kg | 03.11.18 00.03 | U | 1 |
| Toluene | 108-88-3 | <0.0193 | 0.0193 | mg/kg | 03.11.18 00.03 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.0193 | 0.0193 | mg/kg | 03.11.18 00.03 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.0385 | 0.0385 | mg/kg | 03.11.18 00.03 | U | 1 |
| o-Xylene | 95-47-6 | <0.0193 | 0.0193 | mg/kg | 03.11.18 00.03 | U | 1 |
| Xylenes, Total | 1330-20-7 | <0.0193 | 0.0193 | mg/kg | 03.11.18 00.03 | U | 1 |
| Total BTEX | | <0.0193 | 0.0193 | mg/kg | 03.11.18 00.03 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 96 | % | 68-120 | 03.11.18 00.03 | | |
| a,a,a-Trifluorotoluene | 98-08-8 | 91 | % | 71-121 | 03.11.18 00.03 | | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 1'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-003**

Date Collected: 03.07.18 10.57

Sample Depth: 1 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043345**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.85 | 3.85 | mg/kg | 03.11.18 00.03 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 110 | % | 76-123 | 03.11.18 00.03 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 96 | % | 69-120 | 03.11.18 00.03 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: SP-1 @ 2'

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-004

Date Collected: 03.07.18 10.59

Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture:

Analyst: RNL

Date Prep: 03.10.18 09.30

Basis: Wet Weight

Seq Number: 3043346

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 1320 | 125 | mg/kg | 03.10.18 18.42 | D | 5 |

Analytical Method: DRO-ORO By SW8015B

Prep Method: SW8015P

Tech: ISU

% Moisture:

Analyst: ISU

Date Prep: 03.10.18 12.09

Basis: Wet Weight

Seq Number: 3043382

SUB: TX104704215-18-24

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------|------------|--------|------------|-------|----------------|----------------|------|
| Diesel Range Organics (DRO) | C10C28DRO | 156 | 15.0 | mg/kg | 03.10.18 22.10 | | 1 |
| Oil Range Hydrocarbons (ORO) | PHCG2835 | 43.7 | 15.0 | mg/kg | 03.10.18 22.10 | | 1 |
| Surrogate | | | % Recovery | Units | Limits | Analysis Date | Flag |
| 1-Chlorooctane | 111-85-3 | | 99 | % | 70-135 | 03.10.18 22.10 | |
| o-Terphenyl | 84-15-1 | | 101 | % | 70-135 | 03.10.18 22.10 | |

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043344

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|-------------|---------|------------|-------|----------------|----------------|------|
| Benzene | 71-43-2 | <0.0196 | 0.0196 | mg/kg | 03.11.18 00.30 | U | 1 |
| Toluene | 108-88-3 | <0.0196 | 0.0196 | mg/kg | 03.11.18 00.30 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.0196 | 0.0196 | mg/kg | 03.11.18 00.30 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.0393 | 0.0393 | mg/kg | 03.11.18 00.30 | U | 1 |
| o-Xylene | 95-47-6 | <0.0196 | 0.0196 | mg/kg | 03.11.18 00.30 | U | 1 |
| Xylenes, Total | 1330-20-7 | <0.0196 | 0.0196 | mg/kg | 03.11.18 00.30 | U | 1 |
| Total BTEX | | <0.0196 | 0.0196 | mg/kg | 03.11.18 00.30 | U | 1 |
| Surrogate | | | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | 460-00-4 | | 95 | % | 68-120 | 03.11.18 00.30 | |
| a,a,a-Trifluorotoluene | 98-08-8 | | 94 | % | 71-121 | 03.11.18 00.30 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 2'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-004**

Date Collected: 03.07.18 10.59

Sample Depth: 2 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043345**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.93 | 3.93 | mg/kg | 03.11.18 00.30 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 90 | % | 76-123 | 03.11.18 00.30 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 92 | % | 69-120 | 03.11.18 00.30 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 3'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-005**

Date Collected: 03.07.18 11.07

Sample Depth: 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **RNL**

% Moisture:

Analyst: **RNL**

Date Prep: 03.10.18 09.30

Basis: **Wet Weight**

Seq Number: **3043346**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------------|------------|-------------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 1180 | 125 | mg/kg | 03.10.18 19.31 | D | 5 |

Analytical Method: DRO-ORO By SW8015B

Prep Method: SW8015P

Tech: **ISU**

% Moisture:

Analyst: **ISU**

Date Prep: 03.10.18 12.12

Basis: **Wet Weight**

Seq Number: **3043382**

SUB: TX104704215-18-24

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-------------------------------------|------------|------------|-------|--------|----------------|------|-----|
| Diesel Range Organics (DRO) | C10C28DRO | 731 | 14.9 | mg/kg | 03.10.18 23.35 | | 1 |
| Oil Range Hydrocarbons (ORO) | PHCG2835 | 102 | 14.9 | mg/kg | 03.10.18 23.35 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | 111-85-3 | 101 | % | 70-135 | 03.10.18 23.35 | | |
| o-Terphenyl | 84-15-1 | 90 | % | 70-135 | 03.10.18 23.35 | | |

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043344**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|-------------|---------------|--------|--------|----------------|------|-----|
| Benzene | 71-43-2 | <0.0185 | 0.0185 | mg/kg | 03.11.18 00.57 | U | 1 |
| Toluene | 108-88-3 | <0.0185 | 0.0185 | mg/kg | 03.11.18 00.57 | U | 1 |
| Ethylbenzene | 100-41-4 | 0.0426 | 0.0185 | mg/kg | 03.11.18 00.57 | | 1 |
| m,p-Xylenes | 179601-23-1 | 0.0870 | 0.0370 | mg/kg | 03.11.18 00.57 | | 1 |
| o-Xylene | 95-47-6 | <0.0185 | 0.0185 | mg/kg | 03.11.18 00.57 | U | 1 |
| Xylenes, Total | 1330-20-7 | 0.087 | 0.0185 | mg/kg | 03.11.18 00.57 | | 1 |
| Total BTEX | | 0.1296 | 0.0185 | mg/kg | 03.11.18 00.57 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 97 | % | 68-120 | 03.11.18 00.57 | | |
| a,a,a-Trifluorotoluene | 98-08-8 | 94 | % | 71-121 | 03.11.18 00.57 | | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 3'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-005**

Date Collected: 03.07.18 11.07

Sample Depth: 3 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043345**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | 12.2 | 3.70 | mg/kg | 03.11.18 00.57 | | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 89 | % | 76-123 | 03.11.18 00.57 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 94 | % | 69-120 | 03.11.18 00.57 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-1 @ 4'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-006**

Date Collected: 03.07.18 11.09

Sample Depth: 4 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043319**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.71 | 3.71 | mg/kg | 03.10.18 06.27 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 104 | % | 76-123 | 03.10.18 06.27 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 96 | % | 69-120 | 03.10.18 06.27 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-2 @ Surf**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-007**

Date Collected: 03.07.18 11.35

Sample Depth: 1 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043345**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | 658 | 193 | mg/kg | 03.11.18 03.46 | | 50 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 96 | % | 76-123 | 03.11.18 03.46 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 98 | % | 69-120 | 03.11.18 03.46 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-2 @ 1'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-008**

Date Collected: 03.07.18 11.39

Sample Depth: 1 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043319**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.70 | 3.70 | mg/kg | 03.10.18 10.59 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 117 | % | 76-123 | 03.10.18 10.59 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 99 | % | 69-120 | 03.10.18 10.59 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: **SP-2 @ 2'**

Matrix: **Soil**

Date Received: 03.08.18 17.45

Lab Sample Id: **578790-009**

Date Collected: 03.07.18 11.44

Sample Depth: 2 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: **MIT**

% Moisture:

Analyst: **MIT**

Date Prep: 03.09.18 14.00

Basis: **Wet Weight**

Seq Number: **3043319**

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.76 | 3.76 | mg/kg | 03.10.18 11.26 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 113 | % | 76-123 | 03.10.18 11.26 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 97 | % | 69-120 | 03.10.18 11.26 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: SP-2 @ 3'

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-010

Date Collected: 03.07.18 11.49

Sample Depth: 3 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043319

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.77 | 3.77 | mg/kg | 03.10.18 12.20 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 102 | % | 76-123 | 03.10.18 12.20 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 86 | % | 69-120 | 03.10.18 12.20 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: N @ 6"

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-011

Date Collected: 03.07.18 12.00

Sample Depth: 6 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043319

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.66 | 3.66 | mg/kg | 03.10.18 09.11 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 101 | % | 76-123 | 03.10.18 09.11 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 99 | % | 69-120 | 03.10.18 09.11 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: E @ 6"

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-012

Date Collected: 03.07.18 12.05

Sample Depth: 6 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043319

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.47 | 3.47 | mg/kg | 03.10.18 09.37 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 103 | % | 76-123 | 03.10.18 09.37 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 96 | % | 69-120 | 03.10.18 09.37 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: S @ 6"

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-013

Date Collected: 03.07.18 12.10

Sample Depth: 6 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043319

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.77 | 3.77 | mg/kg | 03.10.18 10.04 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 100 | % | 76-123 | 03.10.18 10.04 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 95 | % | 69-120 | 03.10.18 10.04 | |



Certificate of Analytical Results 578790

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

Sample Id: W @ 6"

Matrix: Soil

Date Received: 03.08.18 17.45

Lab Sample Id: 578790-014

Date Collected: 03.07.18 12.15

Sample Depth: 6 ft

Analytical Method: TPH GRO by EPA 8015 Mod.

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.09.18 14.00

Basis: Wet Weight

Seq Number: 3043319

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------------|-------|----------------|----------------|------|
| TPH-GRO | 8006-61-9 | <3.80 | 3.80 | mg/kg | 03.10.18 10.32 | U | 1 |
| Surrogate | | | | | | | |
| | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | | 460-00-4 | 104 | % | 76-123 | 03.10.18 10.32 | |
| a,a,a-Trifluorotoluene | | 98-08-8 | 98 | % | 69-120 | 03.10.18 10.32 | |



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



Setting the Standard since 1990

Stafford, Texas (281-240-4200)

Dallas Texas (214-902-0300)

578790

CHAIN OF CUSTODY

Page 1 Of 2

San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)

www.xenco.com

| Client / Reporting Information | | Project Information | | | | | | Analytical Information | | Xenco Job # | | 578790 | Matrix Codes | | |
|---|--|---------------------------------|---|--|--|-------------------------------------|--|--|--|--|--|---|--------------|----------------|--|
| Company Name / Branch: | TRC Environmental Corporation | Project Name/Number: | Kelly Unit 986 | | | | | 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 | | | | | | | |
| Company Address: | 2057 Commerce Drive Midland, TX 79703 | Project Location: | Eddy Co, NM | | | | | | | | | | | | |
| Email: | jlowny@trcsolutions.com | Phone No: | 432-468-4450 | | | | | | | | | | | | |
| Invoice To: | COG Operating CIO Becky Hastell | | | | | | | | | | | | | | |
| Project Contact: | Joel Lowny | | | | | | | | | | | | | | |
| Sampler's Name: | Joel Lowny | | | | | | | | | | | | | | |
| No. | Field ID / Point of Collection | Collection | Number of preserved bottles | | | Data Deliverable Information | | | | Notes: | | | | | |
| | | Sample Depth | Date | Time | Matrix | # of bottles | HOAc/H2N | HNO3 | H2SO4 | NaHSO4 | NaOH | MEOH | NONE | Field Comments | |
| 1 | SP-1 @ SURFACE | Surf | 3/11/18 | 10:45 | S | 1 | X | X | X | X | X | X | X | | |
| 2 | SP-1 @ 4' | 4" | 3/11/18 | 10:50 | S | 1 | X | X | X | X | X | X | X | | |
| 3 | SP-1 @ 1' | 1" | 3/11/18 | 10:57 | S | 1 | X | X | X | X | X | X | X | | |
| 4 | SP-1 @ 2' | 2" | 3/11/18 | 10:59 | S | 1 | X | X | X | X | X | X | X | | |
| 5 | SP-1 @ 3' | 3" | 3/11/18 | 11:07 | S | 1 | X | X | X | X | X | X | X | | |
| 6 | SP-1 @ 4' | 4" | 3/11/18 | 11:09 | S | 1 | X | X | X | X | X | X | X | | |
| 7 | SP-2 @ SURFACE | Surf | 3/11/18 | 11:55 | S | 1 | X | X | X | X | X | X | X | | |
| 8 | SP-2 @ 1' | 1" | 3/11/18 | 11:59 | S | 1 | X | X | X | X | X | X | X | | |
| 9 | SP-2 @ 2' | 2" | 3/11/18 | 11:44 | S | 1 | X | X | X | X | X | X | X | | |
| 10 | SP-2 @ 3' | 3" | 3/11/18 | 11:49 | S | 1 | X | X | X | X | X | X | X | | |
| | | Turnaround Time (Business days) | | | | | | | | | | | | | |
| | | | <input type="checkbox"/> Same Day TAT | <input type="checkbox"/> 5 Day TAT | <input type="checkbox"/> 7 Day TAT | <input type="checkbox"/> 10 Day TAT | <input type="checkbox"/> Level II Std QC | <input type="checkbox"/> Level III Std QC+ | <input type="checkbox"/> Level IV (Full Data Pkg / raw data) | <input type="checkbox"/> TRRP Level IV | <input type="checkbox"/> UST / RG -411 | <input type="checkbox"/> TRRP Checklist | | | |
| | | | <input checked="" type="checkbox"/> Next Day EMERGENCY | <input type="checkbox"/> 2 Day EMERGENCY | <input type="checkbox"/> 3 Day EMERGENCY | | <input type="checkbox"/> Contract TAT | <input type="checkbox"/> Level 3 (CLP Forms) | <input type="checkbox"/> Level 4 (CLP Forms) | | | | | | |
| | | | TAT Starts Day received by Lab, if received by 5:00 pm | | | | | | | | | | | | |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY | | | | | | | | | | | | | | | |
| 1 | Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Preserved where applicable | | FED-EX / UPS: Tracking # | | | | | | | |
| 2 | Relinquished by: | Date Time: | Received By: | Relinquished By: | Date Time: | Preserved where applicable | 4 | | | | | | | | |
| 3 | Relinquished by: | Date Time: | Received By: | Relinquished By: | Date Time: | Preserved where applicable | 2 | | | | | | | | |
| 4 | Relinquished by: | Date Time: | Received By: | Relinquished By: | Date Time: | Preserved where applicable | 1 | | | | | | | | |
| 5 | Relinquished by: | Date Time: | Received By: | Relinquished By: | Date Time: | Preserved where applicable | | | | | | | | | |
| Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract. | | | | | | | | | | | | | | | |

Inter-Office Shipment

Page 1 of 1

IOS Number 1057349

| | | |
|---------------------------|----------------------------|---|
| Date/Time: 03/09/18 15:21 | Created by: Brenda Ward | Please send report to: Kelsey Brooks |
| Lab# From: Lubbock | Delivery Priority: | Address: 6701 Aberdeen, Suite 9 Lubbock, TX 79424 |
| Lab# To: Houston | Air Bill No.: 771768273134 | Phone: E-Mail: kelsey.brooks@xenco.com |

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|------------------|-------------------|----------------|--------------------|-----------------|----------|-----|---------------------|------|
| 578790-001 | S | SP-1 @ Surface | 03/07/18 10:45 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-002 | S | SP-1 @ 6" | 03/07/18 10:50 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-003 | S | SP-1 @ 1' | 03/07/18 10:57 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-004 | S | SP-1 @ 2' | 03/07/18 10:59 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-005 | S | SP-1 @ 3' | 03/07/18 11:07 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-006 | S | SP-1 @ 4' | 03/07/18 11:09 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-007 | S | SP-2 @ Surf | 03/07/18 11:35 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-008 | S | SP-2 @ 1' | 03/07/18 11:39 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-009 | S | SP-2 @ 2' | 03/07/18 11:44 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-010 | S | SP-2 @ 3' | 03/07/18 11:49 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-011 | S | N @ 6" | 03/07/18 12:00 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-012 | S | E @ 6" | 03/07/18 12:05 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-013 | S | S @ 6" | 03/07/18 12:10 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |
| 578790-014 | S | W @ 6" | 03/07/18 12:15 | SW8015B_DROORO | DRO-ORO By SW8015B | 03/12/18 | 03/21/18 | KEB | PHCC10C28 PHCC28C35 | |

Inter Office Shipment or Sample Comments:

Relinquished By

Brenda Ward

Date Relinquished: 03/09/2018

Received By:

Jean Quila

Date Received: 03/10/2018 09:00

Cooler Temperature: 1.5



Inter Office Report- Sample Receipt Checklist

Sent To: Houston**IOS #:** 1057349

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou068

Sent By: Brenda Ward**Date Sent:** 03/09/2018 03:21 PM**Received By:** Jean Quila**Date Received:** 03/10/2018 09:00 AM

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.5 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received with appropriate temperature? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | Yes |
| #5 *Custody Seals Signed and dated for Containers/coolers | Yes |
| #6 *IOS present? | Yes |
| #7 Any missing/extra samples? | No |
| #8 IOS agrees with sample label(s)/matrix? | Yes |
| #9 Sample matrix/ properties agree with IOS? | Yes |
| #10 Samples in proper container/ bottle? | Yes |
| #11 Samples properly preserved? | Yes |
| #12 Sample container(s) intact? | Yes |
| #13 Sufficient sample amount for indicated test(s)? | Yes |
| #14 All samples received within hold time? | Yes |

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

NonConformance:**Corrective Action Taken:****Nonconformance Documentation****Contact:** _____**Contacted by :** _____**Date:** _____**Checklist reviewed by:**

Jean Quila

Date: 03/10/2018



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 03/08/2018 05:45:00 PM

Work Order #: 578790

Acceptable Temperature Range: 0 - 6 degC
 Air and Metal samples Acceptable Range: Ambient
 Temperature Measuring device used : IR-3

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.3 |
| #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)? | Yes |
| #18 Water VOC samples have zero headspace? | N/A |

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brenda Ward
Brenda Ward

Date: 03/09/2018

Checklist reviewed by:

Kelsey Brooks
Kelsey Brooks

Date: 03/12/2018

Analytical Report 583953

for
TRC Solutions, Inc

Project Manager: Joel Lowry
Skelly Unit 986

04-MAY-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-25), 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 (T104704400-18-14)
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)



04-MAY-18

Project Manager: **Joel Lowry**

TRC Solutions, Inc

2057 Commerce

Midland, TX 79703

Reference: XENCO Report No(s): **583953**

Skelly Unit 986

Project Address: Eddy Co.. NM

Joel Lowry:

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) 583953. 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. 583953 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink, appearing to read 'Kelsey Brooks'.

Kelsey Brooks

Project Manager

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

Certified and approved by numerous States and Agencies.

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

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

Sample Cross Reference 583953

TRC Solutions, Inc, Midland, TX

Skelly Unit 986

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-------------|--------|----------------|--------------|---------------|
| SP-2 NSW | S | 04-25-18 12:40 | 6 In | 583953-001 |
| SP-2 WSW | S | 04-25-18 12:50 | 6 In | 583953-002 |
| SP-2 SSW | S | 04-25-18 13:10 | 6 In | 583953-003 |
| SP-2 FL @1' | S | 04-25-18 13:15 | 1 In | 583953-004 |
| SP-1 NSW | S | 04-25-18 13:20 | 2 In | 583953-005 |
| SP-1 WSW | S | 04-25-18 13:30 | 2 In | 583953-006 |
| SP-1 SSW | S | 04-25-18 13:35 | 2 In | 583953-007 |
| SP-1 ESW | S | 04-25-18 13:40 | 2 In | 583953-008 |
| SP-1 FL @4' | S | 04-25-18 13:50 | 4 In | 583953-009 |



CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: Skelly Unit 986

Project ID:

Work Order Number(s): 583953

Report Date: 04-MAY-18

Date Received: 04/27/2018

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3048631 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3048967 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analysis Summary 583953

TRC Solutions, Inc, Midland, TX

Project Name: Skelly Unit 986



Project Id:

Contact: Joel Lowry

Project Location: Eddy Co., NM

Date Received in Lab: Fri Apr-27-18 10:30 am

Report Date: 04-MAY-18

Project Manager: Kelsey Brooks

| Analysis Requested | Lab Id: | 583953-001 | 583953-002 | 583953-003 | 583953-004 | 583953-005 | 583953-006 |
|----------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| BTEX by EPA 8021B | Extracted: | May-02-18 08:00 | May-02-18 15:00 |
| | Analyzed: | May-02-18 14:37 | May-02-18 14:59 | May-02-18 15:18 | May-02-18 15:39 | May-02-18 16:03 | May-03-18 22:15 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Benzene | | <0.00202 | 0.00202 | <0.00199 | 0.00199 | <0.00200 | 0.00200 |
| Toluene | | <0.00202 | 0.00202 | <0.00199 | 0.00199 | <0.00200 | 0.00200 |
| Ethylbenzene | | <0.00202 | 0.00202 | <0.00199 | 0.00199 | <0.00200 | 0.00200 |
| m,p-Xylenes | | <0.00403 | 0.00403 | <0.00398 | 0.00398 | <0.00401 | 0.00401 |
| <i>o</i> -Xylene | | <0.00202 | 0.00202 | <0.00199 | 0.00199 | <0.00200 | 0.00200 |
| Total Xylenes | | <0.00202 | 0.00202 | <0.00199 | 0.00199 | <0.002 | 0.002 |
| Total BTEX | | <0.00202 | 0.00202 | <0.00199 | 0.00199 | <0.002 | 0.002 |
| Chloride by EPA 300 | Extracted: | Apr-30-18 15:30 | Apr-30-18 15:30 | May-01-18 12:00 | May-01-18 12:00 | May-01-18 12:00 | May-01-18 12:00 |
| | Analyzed: | May-01-18 04:38 | Apr-30-18 19:10 | May-01-18 16:05 | May-01-18 16:29 | May-01-18 16:35 | May-01-18 16:53 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 86.1 | 4.99 | <5.00 | 5.00 | 16.0 | 4.95 |
| TPH by Texas1005 | Extracted: | Apr-28-18 12:00 |
| | Analyzed: | Apr-29-18 08:14 | Apr-29-18 08:39 | Apr-29-18 09:07 | Apr-29-18 09:36 | Apr-29-18 10:56 | Apr-29-18 11:22 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| C6-C12 Range Hydrocarbons | | <25.0 | 25.0 | <25.0 | 25.0 | <24.9 | 24.9 |
| C12-C28 Range Hydrocarbons | | <25.0 | 25.0 | <25.0 | 25.0 | <24.9 | 24.9 |
| C28-C35 Range Hydrocarbons | | <25.0 | 25.0 | <25.0 | 25.0 | <24.9 | 24.9 |
| Total TPH | | <25 | 25 | <25 | 25 | <24.9 | 24.9 |
| | | | | | <24.9 | 24.9 | <25 |
| | | | | | | <25 | 25 |
| | | | | | | <25 | 25 |

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

A handwritten signature in dark ink that reads "Kelsey Brooks".

Kelsey Brooks
Project Manager

Project Id:**Contact:** Joel Lowry**Project Location:** Eddy Co.. NM

Certificate of Analysis Summary 583953

TRC Solutions, Inc, Midland, TX
Project Name: Skelly Unit 986



Page 60 of 81

Date Received in Lab: Fri Apr-27-18 10:30 am**Report Date:** 04-MAY-18**Project Manager:** Kelsey Brooks

| Analysis Requested | <i>Lab Id:</i> | 583953-007 | 583953-008 | 583953-009 | | |
|----------------------------|-------------------|-----------------|-----------------|-----------------|----------|---------|
| BTEX by EPA 8021B | <i>Extracted:</i> | May-02-18 15:00 | May-02-18 15:00 | May-02-18 15:00 | | |
| | <i>Analyzed:</i> | May-03-18 22:36 | May-03-18 22:58 | May-03-18 21:53 | | |
| | <i>Units/RL:</i> | mg/kg | RL | mg/kg | RL | mg/kg |
| Benzene | <0.00199 | 0.00199 | <0.00200 | 0.00200 | <0.00202 | 0.00202 |
| Toluene | <0.00199 | 0.00199 | <0.00200 | 0.00200 | <0.00202 | 0.00202 |
| Ethylbenzene | <0.00199 | 0.00199 | <0.00200 | 0.00200 | <0.00202 | 0.00202 |
| m,p-Xylenes | <0.00398 | 0.00398 | <0.00399 | 0.00399 | <0.00403 | 0.00403 |
| o-Xylene | <0.00199 | 0.00199 | <0.00200 | 0.00200 | <0.00202 | 0.00202 |
| Total Xylenes | <0.00199 | 0.00199 | <0.002 | 0.002 | <0.00202 | 0.00202 |
| Total BTEX | <0.00199 | 0.00199 | <0.002 | 0.002 | <0.00202 | 0.00202 |
| Chloride by EPA 300 | <i>Extracted:</i> | May-01-18 12:00 | May-01-18 12:00 | May-01-18 12:00 | | |
| | <i>Analyzed:</i> | May-01-18 16:59 | May-01-18 17:05 | May-01-18 17:11 | | |
| | <i>Units/RL:</i> | mg/kg | RL | mg/kg | RL | mg/kg |
| Chloride | 20.7 | 4.99 | 20.6 | 4.97 | 222 | 4.95 |
| TPH by Texas1005 | <i>Extracted:</i> | Apr-28-18 12:00 | Apr-28-18 12:00 | Apr-28-18 12:00 | | |
| | <i>Analyzed:</i> | Apr-29-18 11:50 | Apr-29-18 12:18 | Apr-29-18 12:45 | | |
| | <i>Units/RL:</i> | mg/kg | RL | mg/kg | RL | mg/kg |
| C6-C12 Range Hydrocarbons | <25.0 | 25.0 | <25.0 | 25.0 | <24.9 | 24.9 |
| C12-C28 Range Hydrocarbons | <25.0 | 25.0 | <25.0 | 25.0 | <24.9 | 24.9 |
| C28-C35 Range Hydrocarbons | <25.0 | 25.0 | <25.0 | 25.0 | <24.9 | 24.9 |
| Total TPH | <25 | 25 | <25 | 25 | <24.9 | 24.9 |

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



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

Form 2 - Surrogate Recoveries

Project Name: Skelly Unit 986

Work Orders : 583953,

Lab Batch #: 3048347

Sample: 583953-001 / SMP

Project ID:

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/29/18 08:14

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|--|---------------------|--------------------|--------------------|-------------------|-------|
| o-Terphenyl | | 50.1 | 49.9 | 100 | 70-130 | |
| 1-Chlorooctane | | 95.4 | 99.8 | 96 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/29/18 08:39

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|--|---------------------|--------------------|--------------------|-------------------|-------|
| o-Terphenyl | | 52.6 | 50.0 | 105 | 70-130 | |
| 1-Chlorooctane | | 98.2 | 99.9 | 98 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/29/18 09:07

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|--|---------------------|--------------------|--------------------|-------------------|-------|
| o-Terphenyl | | 59.7 | 49.9 | 120 | 70-130 | |
| 1-Chlorooctane | | 113 | 99.7 | 113 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/29/18 09:36

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|--|---------------------|--------------------|--------------------|-------------------|-------|
| o-Terphenyl | | 52.2 | 49.9 | 105 | 70-130 | |
| 1-Chlorooctane | | 96.2 | 99.7 | 96 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/29/18 10:56

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|--|---------------------|--------------------|--------------------|-------------------|-------|
| o-Terphenyl | | 55.5 | 50.0 | 111 | 70-130 | |
| 1-Chlorooctane | | 103 | 99.9 | 103 | 70-130 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Skelly Unit 986

Work Orders : 583953,

Lab Batch #: 3048347

Sample: 583953-006 / SMP

Project ID:

Batch: 1 **Matrix:** Soil

Units: mg/kg

Date Analyzed: 04/29/18 11:22

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| o-Terphenyl | | 54.3 | 49.9 | 109 | 70-130 | |
| 1-Chlorooctane | | 106 | 99.8 | 106 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-007 / SMP

Batch: 1 **Matrix:** Soil

Units: mg/kg

Date Analyzed: 04/29/18 11:50

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| o-Terphenyl | | 56.2 | 49.9 | 113 | 70-130 | |
| 1-Chlorooctane | | 107 | 99.8 | 107 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-008 / SMP

Batch: 1 **Matrix:** Soil

Units: mg/kg

Date Analyzed: 04/29/18 12:18

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| o-Terphenyl | | 56.5 | 50.0 | 113 | 70-130 | |
| 1-Chlorooctane | | 108 | 100 | 108 | 70-130 | |

Lab Batch #: 3048347

Sample: 583953-009 / SMP

Batch: 1 **Matrix:** Soil

Units: mg/kg

Date Analyzed: 04/29/18 12:45

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| o-Terphenyl | | 59.3 | 49.8 | 119 | 70-130 | |
| 1-Chlorooctane | | 109 | 99.6 | 109 | 70-130 | |

Lab Batch #: 3048631

Sample: 583953-001 / SMP

Batch: 1 **Matrix:** Soil

Units: mg/kg

Date Analyzed: 05/02/18 14:37

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| 1,4-Difluorobenzene | | 0.0277 | 0.0300 | 92 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0296 | 0.0300 | 99 | 70-130 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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



Form 2 - Surrogate Recoveries

Project Name: Skelly Unit 986

Work Orders : 583953,

Lab Batch #: 3048631

Sample: 583953-002 / SMP

Project ID:

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/02/18 14:59

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0291 | 0.0300 | 97 | 70-130 | |
| 4-Bromofluorobenzene | 0.0305 | 0.0300 | 102 | 70-130 | |

Lab Batch #: 3048631

Sample: 583953-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/02/18 15:18

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0286 | 0.0300 | 95 | 70-130 | |
| 4-Bromofluorobenzene | 0.0290 | 0.0300 | 97 | 70-130 | |

Lab Batch #: 3048631

Sample: 583953-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/02/18 15:39

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0300 | 0.0300 | 100 | 70-130 | |
| 4-Bromofluorobenzene | 0.0297 | 0.0300 | 99 | 70-130 | |

Lab Batch #: 3048631

Sample: 583953-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/02/18 16:03

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0301 | 0.0300 | 100 | 70-130 | |
| 4-Bromofluorobenzene | 0.0291 | 0.0300 | 97 | 70-130 | |

Lab Batch #: 3048967

Sample: 583953-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/03/18 21:53

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0280 | 0.0300 | 93 | 70-130 | |
| 4-Bromofluorobenzene | 0.0307 | 0.0300 | 102 | 70-130 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Skelly Unit 986

Work Orders : 583953,**Lab Batch #:** 3048967**Sample:** 583953-006 / SMP**Units:** mg/kg**Date Analyzed:** 05/03/18 22:15**Project ID:****Batch:** 1 **Matrix:** Soil

| SURROGATE RECOVERY STUDY | | | | | |
|---------------------------------|--|-------------------------|------------------------|------------------------|--------------------------|
| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R |
| Analytes | | | | | Flags |
| 1,4-Difluorobenzene | | 0.0293 | 0.0300 | 98 | 70-130 |
| 4-Bromofluorobenzene | | 0.0297 | 0.0300 | 99 | 70-130 |

Lab Batch #: 3048967**Sample:** 583953-007 / SMP**Batch:** 1 **Matrix:** Soil**Units:** mg/kg**Date Analyzed:** 05/03/18 22:36

| SURROGATE RECOVERY STUDY | | | | | |
|---------------------------------|--|-------------------------|------------------------|------------------------|--------------------------|
| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R |
| Analytes | | | | | Flags |
| 1,4-Difluorobenzene | | 0.0278 | 0.0300 | 93 | 70-130 |
| 4-Bromofluorobenzene | | 0.0297 | 0.0300 | 99 | 70-130 |

Lab Batch #: 3048967**Sample:** 583953-008 / SMP**Batch:** 1 **Matrix:** Soil**Units:** mg/kg**Date Analyzed:** 05/03/18 22:58

| SURROGATE RECOVERY STUDY | | | | | |
|---------------------------------|--|-------------------------|------------------------|------------------------|--------------------------|
| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R |
| Analytes | | | | | Flags |
| 1,4-Difluorobenzene | | 0.0271 | 0.0300 | 90 | 70-130 |
| 4-Bromofluorobenzene | | 0.0287 | 0.0300 | 96 | 70-130 |

Lab Batch #: 3048347**Sample:** 7643677-1-BLK / BLK**Batch:** 1 **Matrix:** Solid**Units:** mg/kg**Date Analyzed:** 04/29/18 03:18

| SURROGATE RECOVERY STUDY | | | | | |
|---------------------------------|--|-------------------------|------------------------|------------------------|--------------------------|
| TPH by Texas1005 | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R |
| Analytes | | | | | Flags |
| o-Terphenyl | | 54.3 | 50.0 | 109 | 70-130 |
| 1-Chlorooctane | | 99.4 | 100 | 99 | 70-130 |

Lab Batch #: 3048631**Sample:** 7643879-1-BLK / BLK**Batch:** 1 **Matrix:** Solid**Units:** mg/kg**Date Analyzed:** 05/02/18 09:30

| SURROGATE RECOVERY STUDY | | | | | |
|---------------------------------|--|-------------------------|------------------------|------------------------|--------------------------|
| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R |
| Analytes | | | | | Flags |
| 1,4-Difluorobenzene | | 0.0297 | 0.0300 | 99 | 70-130 |
| 4-Bromofluorobenzene | | 0.0259 | 0.0300 | 86 | 70-130 |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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



Form 2 - Surrogate Recoveries

Project Name: Skelly Unit 986

Work Orders : 583953,

Lab Batch #: 3048967

Sample: 7644079-1-BLK / BLK

Project ID:

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 05/03/18 21:11

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0308 | 0.0300 | 103 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0289 | 0.0300 | 96 | 70-130 | |

Lab Batch #: 3048347

Sample: 7643677-1-BKS / BKS

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 04/29/18 03:46

SURROGATE RECOVERY STUDY

| TPH by Texas1005 | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| Analytes | | | | | | |
| o-Terphenyl | | 63.7 | 50.0 | 127 | 70-130 | |
| 1-Chlorooctane | | 125 | 100 | 125 | 70-130 | |

Lab Batch #: 3048631

Sample: 7643879-1-BKS / BKS

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 05/02/18 07:21

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0316 | 0.0300 | 105 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0305 | 0.0300 | 102 | 70-130 | |

Lab Batch #: 3048967

Sample: 7644079-1-BKS / BKS

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 05/03/18 19:23

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0308 | 0.0300 | 103 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0315 | 0.0300 | 105 | 70-130 | |

Lab Batch #: 3048347

Sample: 7643677-1-BSD / BSD

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 04/29/18 04:11

SURROGATE RECOVERY STUDY

| TPH by Texas1005 | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------|--|-----------------------------|----------------------------|----------------------------|--------------------------|--------------|
| Analytes | | | | | | |
| o-Terphenyl | | 60.6 | 50.0 | 121 | 70-130 | |
| 1-Chlorooctane | | 111 | 100 | 111 | 70-130 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Skelly Unit 986

Work Orders : 583953,

Lab Batch #: 3048631

Sample: 7643879-1-BSD / BSD

Project ID:
Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/02/18 07:45

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | | 0.0307 | 0.0300 | 102 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0310 | 0.0300 | 103 | 70-130 | |

Lab Batch #: 3048967

Sample: 7644079-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/03/18 19:45

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | | 0.0310 | 0.0300 | 103 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0307 | 0.0300 | 102 | 70-130 | |

Lab Batch #: 3048347

Sample: 583941-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/29/18 05:06

SURROGATE RECOVERY STUDY

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|--|---------------------|--------------------|--------------------|-------------------|-------|
| o-Terphenyl | | 59.7 | 49.9 | 120 | 70-130 | |
| 1-Chlorooctane | | 115 | 99.8 | 115 | 70-130 | |

Lab Batch #: 3048631

Sample: 584460-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/02/18 08:04

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | | 0.0298 | 0.0300 | 99 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0289 | 0.0300 | 96 | 70-130 | |

Lab Batch #: 3048967

Sample: 584189-007 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/03/18 20:06

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|---------------------|--------------------|--------------------|-------------------|-------|
| 1,4-Difluorobenzene | | 0.0282 | 0.0300 | 94 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0277 | 0.0300 | 92 | 70-130 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries**Project Name: Skelly Unit 986****Work Orders :** 583953,**Lab Batch #:** 3048347**Sample:** 583941-001 SD / MSD**Project ID:**
Batch: 1 **Matrix:** Soil**Units:** mg/kg**Date Analyzed:** 04/29/18 05:32**SURROGATE RECOVERY STUDY**

| TPH by Texas1005 Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|--|-------------------------|------------------------|------------------------|--------------------------|--------------|
| o-Terphenyl | | 60.6 | 49.9 | 121 | 70-130 | |
| 1-Chlorooctane | | 116 | 99.8 | 116 | 70-130 | |

Lab Batch #: 3048631**Sample:** 584460-001 SD / MSD**Batch:** 1 **Matrix:** Soil**Units:** mg/kg**Date Analyzed:** 05/02/18 08:26**SURROGATE RECOVERY STUDY**

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|-------------------------|------------------------|------------------------|--------------------------|--------------|
| 1,4-Difluorobenzene | | 0.0308 | 0.0300 | 103 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0296 | 0.0300 | 99 | 70-130 | |

Lab Batch #: 3048967**Sample:** 584189-007 SD / MSD**Batch:** 1 **Matrix:** Soil**Units:** mg/kg**Date Analyzed:** 05/03/18 20:28**SURROGATE RECOVERY STUDY**

| BTEX by EPA 8021B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|--|-------------------------|------------------------|------------------------|--------------------------|--------------|
| 1,4-Difluorobenzene | | 0.0303 | 0.0300 | 101 | 70-130 | |
| 4-Bromofluorobenzene | | 0.0317 | 0.0300 | 106 | 70-130 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries



Project Name: Skelly Unit 986

Work Order #: 583953

Analyst: ALJ

Date Prepared: 05/02/2018

Project ID:

Lab Batch ID: 3048631

Sample: 7643879-1-BKS

Batch #: 1

Date Analyzed: 05/02/2018

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B | | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------|--|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Analytes | | | | | | | | | | | | |
| Benzene | | <0.00200 | 0.0998 | 0.113 | 113 | 0.0994 | 0.114 | 115 | 1 | 70-130 | 35 | |
| Toluene | | <0.00200 | 0.0998 | 0.110 | 110 | 0.0994 | 0.110 | 111 | 0 | 70-130 | 35 | |
| Ethylbenzene | | <0.00200 | 0.0998 | 0.111 | 111 | 0.0994 | 0.112 | 113 | 1 | 70-130 | 35 | |
| m,p-Xylenes | | <0.00399 | 0.200 | 0.227 | 114 | 0.199 | 0.231 | 116 | 2 | 70-130 | 35 | |
| o-Xylene | | <0.00200 | 0.0998 | 0.113 | 113 | 0.0994 | 0.115 | 116 | 2 | 70-130 | 35 | |

Analyst: ALJ

Date Prepared: 05/02/2018

Date Analyzed: 05/03/2018

Lab Batch ID: 3048967

Sample: 7644079-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B | | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------|--|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Analytes | | | | | | | | | | | | |
| Benzene | | <0.00201 | 0.101 | 0.111 | 110 | 0.100 | 0.0985 | 99 | 12 | 70-130 | 35 | |
| Toluene | | <0.00201 | 0.101 | 0.108 | 107 | 0.100 | 0.0962 | 96 | 12 | 70-130 | 35 | |
| Ethylbenzene | | <0.00201 | 0.101 | 0.115 | 114 | 0.100 | 0.104 | 104 | 10 | 70-130 | 35 | |
| m,p-Xylenes | | <0.00402 | 0.201 | 0.237 | 118 | 0.200 | 0.214 | 107 | 10 | 70-130 | 35 | |
| o-Xylene | | <0.00201 | 0.101 | 0.121 | 120 | 0.100 | 0.108 | 108 | 11 | 70-130 | 35 | |

Relative Percent Difference RPD = $200 \times |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 \times (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 \times (F)/[E]$

All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries



Project Name: Skelly Unit 986

Work Order #: 583953

Analyst: SCM

Date Prepared: 04/30/2018

Lab Batch ID: 3048466

Sample: 7643729-1-BKS

Batch #: 1

Project ID:

Date Analyzed: 05/01/2018

Units: mg/kg

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-----------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Chloride | <5.00 | 250 | 273 | 109 | 250 | 258 | 103 | 6 | 90-110 | 20 | |

Analyst: SCM

Date Prepared: 05/01/2018

Date Analyzed: 05/01/2018

Lab Batch ID: 3048596

Sample: 7643803-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-----------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Chloride | <5.00 | 250 | 268 | 107 | 250 | 263 | 105 | 2 | 90-110 | 20 | |

Analyst: ARM

Date Prepared: 04/28/2018

Date Analyzed: 04/29/2018

Lab Batch ID: 3048347

Sample: 7643677-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|----------------------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| C6-C12 Range Hydrocarbons | <25.0 | 1000 | 1090 | 109 | 1000 | 1130 | 113 | 4 | 75-125 | 20 | |
| C12-C28 Range Hydrocarbons | <25.0 | 1000 | 1090 | 109 | 1000 | 1050 | 105 | 4 | 75-125 | 20 | |

Relative Percent Difference RPD = $200 \times |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 \times (C/[B])$

Blank Spike Duplicate Recovery [G] = $100 \times (F/[E])$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Skelly Unit 986

Work Order #: 583953

Lab Batch ID: 3048631

Date Analyzed: 05/02/2018

Reporting Units: mg/kg

QC- Sample ID: 584460-001 S

Batch #: 1 Matrix: Soil

Date Prepared: 05/02/2018

Analyst: ALJ

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B 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 |
|-------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Benzene | <0.00199 | 0.0996 | 0.101 | 101 | 0.100 | 0.107 | 107 | 6 | 70-130 | 35 | |
| Toluene | <0.00199 | 0.0996 | 0.0982 | 99 | 0.100 | 0.103 | 103 | 5 | 70-130 | 35 | |
| Ethylbenzene | <0.00199 | 0.0996 | 0.101 | 101 | 0.100 | 0.107 | 107 | 6 | 70-130 | 35 | |
| m,p-Xylenes | <0.00398 | 0.199 | 0.208 | 105 | 0.200 | 0.219 | 110 | 5 | 70-130 | 35 | |
| o-Xylene | <0.00199 | 0.0996 | 0.102 | 102 | 0.100 | 0.108 | 108 | 6 | 70-130 | 35 | |

Lab Batch ID: 3048967

QC- Sample ID: 584189-007 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/03/2018

Date Prepared: 05/02/2018

Analyst: ALJ

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B 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 |
|-------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Benzene | <0.00200 | 0.0998 | 0.104 | 104 | 0.100 | 0.0869 | 87 | 18 | 70-130 | 35 | |
| Toluene | <0.00200 | 0.0998 | 0.0860 | 86 | 0.100 | 0.0630 | 63 | 31 | 70-130 | 35 | X |
| Ethylbenzene | <0.00200 | 0.0998 | 0.0484 | 48 | 0.100 | 0.0386 | 39 | 23 | 70-130 | 35 | X |
| m,p-Xylenes | <0.00399 | 0.200 | 0.124 | 62 | 0.201 | 0.0908 | 45 | 31 | 70-130 | 35 | X |
| o-Xylene | <0.00200 | 0.0998 | 0.0633 | 63 | 0.100 | 0.0472 | 47 | 29 | 70-130 | 35 | X |

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

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.

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



Form 3 - MS / MSD Recoveries

Project Name: Skelly Unit 986

Work Order # : 583953

Lab Batch ID: 3048466

QC- Sample ID: 583953-001 S

Project ID:

Batch #: 1 **Matrix:** Soil

Date Analyzed: 05/01/2018

Date Prepared: 04/30/2018

Analyst: SCM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Chloride by EPA 300 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 | 86.1 | 250 | 350 | 106 | 250 | 355 | 108 | 1 | 90-110 | 20 | |

Lab Batch ID: 3048466

QC- Sample ID: 583953-002 S

Batch #: 1 **Matrix:** Soil

Date Analyzed: 04/30/2018

Date Prepared: 04/30/2018

Analyst: SCM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Chloride by EPA 300 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 | <5.00 | 250 | 258 | 103 | 250 | 259 | 104 | 0 | 90-110 | 20 | |

Lab Batch ID: 3048596

QC- Sample ID: 584081-001 S

Batch #: 1 **Matrix:** Soil

Date Analyzed: 05/01/2018

Date Prepared: 05/01/2018

Analyst: SCM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Chloride by EPA 300 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 | <5.00 | 250 | 274 | 110 | 250 | 254 | 102 | 8 | 90-110 | 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.

Form 3 - MS / MSD Recoveries



Project Name: Skelly Unit 986

Work Order # : 583953

Lab Batch ID: 3048596

QC- Sample ID: 584081-002 S

Batch #: 1 **Matrix:** Soil

Date Analyzed: 05/01/2018

Date Prepared: 05/01/2018

Analyst: SCM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Chloride by EPA 300 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 | <4.96 | 248 | 262 | 106 | 248 | 261 | 105 | 0 | 90-110 | 20 | |

Lab Batch ID: 3048347

QC- Sample ID: 583941-001 S

Batch #: 1 **Matrix:** Soil

Date Analyzed: 04/29/2018

Date Prepared: 04/28/2018

Analyst: ARM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH by Texas1005 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 |
|--|---------------------------------|------------------------|---------------------------------|-----------------------------|------------------------|---|---------------------------|--------------|--------------------------|----------------------------|-------------|
| C6-C12 Range Hydrocarbons | <25.0 | 998 | 1120 | 112 | 998 | 1110 | 111 | 1 | 75-125 | 20 | |
| C12-C28 Range Hydrocarbons | <25.0 | 998 | 1090 | 109 | 998 | 1050 | 105 | 4 | 75-125 | 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.



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Midland, TX 79703

Phoenix, AZ 85020

Dallas, TX 75201

Dallas, TX 75201

Project Name/Number:
Skelly Unit 986

Project Location:
Eddy Co, NM

Invoice To:
COG Operating CO Becky Haskell

Invoice:

Phone No:
432-468-4450

Phone No:
432-468-4450

Project Contact:
Joel Lowry

Project Contact:
Joel Lowry

Sampler's Name Joel Lowry

Sampler's Name Joel Lowry

Xenco Job # 583953

Xenco Job # 583953

Matrix Codes

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

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 | | Number of preserved bottles | | Notes: | |
|-----|--------------------------------|--------------|-----------|-----------------------------|--------|--------|---|
| | | Sample Depth | Date | Time | Matrix | | |
| 1 | SP-2 NSW | 6" | 4/25/2018 | 1240 | S | 1 | HCl NaOH/Zn Acetate HNO3 H2SO4 NaOH NaHSO4 MEOH NONE |
| 2 | SP-2 WSW | 6" | 4/25/2018 | 1250 | S | 1 | X X X X X X |
| 3 | SP-2 SSW | 6" | 4/25/2018 | 1310 | S | 1 | X X X X X X |
| 4 | SP-2 FL @ 1' | 1' | 4/25/2018 | 1315 | S | 1 | X X X X X X |
| 5 | SP-1 NSW | 2' | 4/25/2018 | 1320 | S | 1 | X X X X X X |
| 6 | SP-1 WSW | 2' | 4/25/2018 | 1330 | S | 1 | X X X X X X |
| 7 | SP-1 SSW | 2' | 4/25/2018 | 1335 | S | 1 | X X X X X X |
| 8 | SP-1 ESW | 2' | 4/25/2018 | 1340 | S | 1 | X X X X X X |
| 9 | SP-1 FL @ 4' | 4' | 4/25/2018 | 1350 | S | 1 | X X X X X X |
| 10 | | | | | | | |

| Turnaround Time (Business days) | | Data Deliverable Information | | Notes: | |
|---|--|--|---|--|--|
| <input type="checkbox"/> Same Day TAT | <input type="checkbox"/> 5 Day TAT | <input type="checkbox"/> Level II Std QC | <input type="checkbox"/> Level IV (Full Data Pkg /raw data) | jlowny@trcsolutions.com | |
| <input type="checkbox"/> Next Day EMERGENCY | <input type="checkbox"/> 7 Day TAT | <input type="checkbox"/> Level III Std QC+ Forms | <input type="checkbox"/> TRAP Level IV | raskell@concho.com | |
| <input type="checkbox"/> 2 Day EMERGENCY | <input checked="" type="checkbox"/> Contract TAT | <input type="checkbox"/> Level 3 (CLP Forms) | <input type="checkbox"/> UST / RG-411 | zconder@trcsolution.com | |
| <input type="checkbox"/> 3 Day EMERGENCY | | <input type="checkbox"/> TRAP Checklist | | | |
| TAT Starts Day received by Lab, If received by 5:00 pm | | | | Temp: 1.2 IR ID:R-8 | |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY | | | | FED-EX / UPS: CF:(0-6: -0.2°C) (6-23: +0.2°C) | |
| Relinquished by: | Date Time: | Received By: | Relinquished By: | Date Time: | Temp: 1.2 IR ID:R-8 |
| 1 | 4/25/18 1:11 | | 2 | 4/25/18 1:30 | CF:(0-6: -0.2°C) (6-23: +0.2°C) |
| Relinquished by: | Date Time: | Received By: | Relinquished By: | Date Time: | Temp: 1.2 IR ID:R-8 |
| 3 | 4/25/18 1:30 | | 4 | 4/25/18 1:30 | CF:(0-6: -0.2°C) (6-23: +0.2°C) |
| Relinquished by: | Date Time: | Received By: | Custody Seal # | Preserved where applicable | On Ice <input checked="" type="checkbox"/> Cooler Temp. <input type="checkbox"/> Thermo. Corr. Factor <input type="checkbox"/> |
| 5 | 5 | | | | |

Received by OCD: 4/11/2023 1:39:49 PM

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

Released to Imaging: 5/1/2023 10:35:44 AM



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: TRC Solutions, Inc

Date/ Time Received: 04/27/2018 10:30:00 AM

Work Order #: 583953

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)? | 1 |
| #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 |
| TPH received in bulk container | |

* 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: 04/27/2018

Checklist reviewed by:

Kelsey Brooks

Date: 05/01/2018

Attachment #5 - Photographic Log



Figure 1 - View of the affected area, facing Northwest.



Figure 2 - View of the affected area and sample point SP-2, facing Northwest.

Attachment #5 - Photographic Log



Figure 3 - View of portion of the excavated area, facing Northwest.



Figure 4 - View of portion of the excavated area, facing Southwest.

Attachment #5 - Photographic Log



Figure 5 - View of affected area after remediation activities, facing East.



Figure 6 - View of affected area after remediation activities, facing Northeast.

NM OIL CONSERVATION
 ARTESIA DISTRICT

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

JAN 24 2018

Form C-141
Revised April 3, 2017Submit 1 Copy to appropriate District Office in
RECEIVED accordance with 19.15.29 NMAC.**Release Notification and Corrective Action***NAB1803933450***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: Skelly Unit #986 | Facility Type: Well |

| | | |
|------------------------|------------------------|----------------------|
| Surface Owner: Federal | Mineral Owner: Federal | API No.: 30-15-36446 |
|------------------------|------------------------|----------------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| F | 22 | 17S | 31E | 1650 | North | 1550 | West | Eddy |

Latitude: 32.8227997 Longitude: -103.8610764 NAD83

NATURE OF RELEASE

| | | |
|---|---|--|
| Type of Release: Oil & Produced Water | Volume of Release: 3 bbls PW; 6 bbls Oil | Volume Recovered: 2.5 bbls PW; 5.5 bbls Oil |
| Source of Release: Flowline | Date and Hour of Occurrence: 1/19/2018 | Date and Hour of Discovery: 1/19/2018 9:30 AM |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" 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.*

This release was caused by a corroded seal on the balon valve. The balon valve has been replaced.

Describe Area Affected and Cleanup Action Taken.*

This release occurred on the well pad and 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.

OIL CONSERVATION DIVISION

| | |
|----------------------------------|--|
| <i>Dakota Neel</i> | Approved by Environmental Specialist: <i>Cynthia W</i> |
| Printed Name: Dakota Neel | Approval Date: 1/24/18 |
| Title: HSE Coordinator | Expiration Date: N/A |
| E-mail Address dneel2@concho.com | Conditions of Approval: <i>see attached</i> |
| Date: 1/24/2018 | Attached: <input checked="" type="checkbox"/> <i>JRP4588</i> |

* Attach Additional Sheets If Necessary

1/26/18 AB

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: Skelly Unit #986 (2RP-4588) | Facility Type: Well |

| | | |
|------------------------|------------------------|----------------------|
| Surface Owner: Federal | Mineral Owner: Federal | API No.: 30-15-36446 |
|------------------------|------------------------|----------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|-------------------------|----------------------|------------------------|---------------------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|
| Unit Letter F | Section 22 | Township 17S | Range 31E | Feet from the 1650 | North/South Line North | Feet from the 1550 | East/West Line West | County Eddy |
|-------------------------|----------------------|------------------------|---------------------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|

Latitude: 32.8227997 **Longitude:** -103.8610764 NAD83

NATURE OF RELEASE

| | | |
|---|---|--|
| Type of Release: Oil & Produced Water | Volume of Release: 3 bbls PW; 6 bbls Oil | Volume Recovered: 2.5 bbls PW; 5.5 bbls Oil |
| Source of Release: Flowline | Date and Hour of Occurrence: 1/19/2018 | Date and Hour of Discovery: 1/19/2018 9:30 AM |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" 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.* This release was caused by a corroded seal on the balon valve. The balon valve has been replaced.

Describe Area Affected and Cleanup Action Taken.*

This release occurred on the well pad and remained on location. A vacuum truck was dispatched to recover all freestanding fluids.

Remediation activities were conducted in accordance with applicable NMOCD and BLM Guidelines. Impacted soil affected above the NMOCD Recommended Remediation Action Levels was excavated and transported to and NMOCD-approved disposal facility. Laboratory analytical results from excavation confirmation soil samples and associated delineation soil samples indicated BTEX, TPH and chloride concentrations were below the NMOCD RRAL. Upon collecting the required excavation confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted material. Please reference the Remediation Summary and Soil Closure Request, dated June 15, 2018, for additional details regarding 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.

| | | | |
|--|--|---|--|
| <u>OIL CONSERVATION DIVISION</u> | | | |
| <p>Signature: <i>Sheldon Hitchcock</i></p> <p>Printed Name: Sheldon Hitchcock</p> <p>Title: HSE Coordinator</p> <p>E-mail Address: slhitchcock@concho.com</p> <p>Date: 6/15/2018 Phone: 432-818-2372</p> | | <p>Approved by Environmental Specialist: <i>Buttman Hall</i></p> <p>Approval Date: 5/1/2023 Expiration Date: N/A</p> <p>Conditions of Approval: none</p> <p>Attached <input type="checkbox"/></p> | |

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 206397

CONDITIONS

| | |
|---|--|
| Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024 | OGRID: 328947 |
| | Action Number: 206397 |
| | Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| bhall | None | 5/1/2023 |