

SITE INFORMATION

Report Type: Closure Report

General Site Information:

| | | | | | | |
|------------------------------------|------------------|---------|-------|--------------|--|--|
| Site: | Galaxy to Yarrow | | | | | |
| Company: | EOG Resources | | | | | |
| Section, Township and Range | Unit M | Sec. 10 | T 24S | R 33E | | |
| Lease Number: | | | | | | |
| County: | Lea County | | | | | |
| GPS: | 32.227150° | | | -103.568417° | | |
| Surface Owner: | State | | | | | |
| Mineral Owner: | | | | | | |
| Directions: | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Release Data:

| | |
|---------------------------------|---------------|
| Date Released: | 10/21/2019 |
| Type Release: | Reuse Water |
| Source of Contamination: | Lay Flat Line |
| Fluid Released: | 75 bbl water |
| Fluids Recovered: | 0 bbl water |

Official Communication:

| | | | |
|----------------------|--|--|--|
| Name: | James Kennedy | | Clair Gonzales |
| Company: | EOG Resources | | Tetra Tech |
| Address: | 5509 Champions Dr. | | 901 W. Wall St. |
| | | | Ste 100 |
| City: | Midland, Texas, 79706 | | Midland, Texas, 79701 |
| Phone number: | (432) 258-4346 | | (432) 682-4559 |
| Fax: | | | |
| Email: | James.Kennedy@eogresources.com | | clair.gonzales@tetrattech.com |

Site Characterization

| | |
|------------------------------|-----------------------------|
| Depth to Groundwater: | Less than 50' below surface |
| Karst Potential: | Low |

Recommended Remedial Action Levels (RRALs)

| Benzene | Total BTEX | TPH (GRO+DRO) | TPH (GRO+DRO+MRO) | Chlorides |
|----------|------------|---------------|-------------------|-----------|
| 10 mg/kg | 50 mg/kg | 100 mg/kg | 100 mg/kg | 600 mg/kg |



May 5, 2020

Environmental Specialist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Report for the EOG Resources, Galaxy to Yarrow, Section 10, Township 24 South, Range 33 East, Lea County, New Mexico.

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess and remediate a release that occurred at the EOG Resources, Galaxy to Yarrow, Section 10, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The site coordinates are 32.227150°, -103.568417°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report the release was discovered on October 21, 2019 and released approximately 75 barrels of produced water, due to a pinhole leak that developed in a line. None of the released fluids were recovered. The release occurred along a lease road, impacted areas measuring approximately 553' x 50'. The C-141 form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances and the site is in a low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 10, approximately 0.50 miles north of the site, and has a reported depth to groundwater of 22 feet below ground surface. Site characterization data is included in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine

Tetra Tech

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Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO+DRO+MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Soil Assessment and Analytical Results

On January 7, 2020, Tetra Tech personnel were onsite to evaluate and sample the release area. A total of eleven (11) auger holes (AH-1 through AH-11) were installed to total depths ranging from 0-1' – 3.5' below surface. Additionally, a background sample at a depth of 0-1' was collected. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The auger hole locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. However, elevated chloride concentrations were detected above RRAL. The areas of AH-2, AH-5 and AH-8 showed chloride concentrations of 824 mg/kg, 1,430 mg/kg, and 805 mg/kg, respectively, these areas were vertically defined at 1.0' below surface. The areas of AH-1, AH-6, and AH-7 showed concentration highs of 4,360 mg/kg, 6,890 mg/kg, and 5,900 mg/kg, respectively, exhibiting a general decreasing trend with depth, but these areas were not vertically defined.

Remediation and Reclamation Activities

Based on the results of the soil assessment, Tetra Tech personnel were onsite April 20, 2020, to supervise the remediation and reclamation activities as well as to collect confirmation samples. The impacted areas were excavated to total depths ranging from 2.0'-4.0' below surface, as shown on Figure 4 and Table 2.

Confirmation bottom hole and sidewall samples were collected every 200 square feet, a total of 86 bottom hole samples (Bottom Hole 1 through Bottom Hole 86) and 32 sidewall samples (N1SW through N4SW, W1SW through W12SW, E1SW through E13SW, and S1SW through S3SW) were collected to ensure proper removal of the impacted soils. The samples were submitted to the laboratory to be analyzed for TPH method 8015 extended, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 1. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths and sample locations are shown in Figure 4.

Referring to Table 1, all final confirmation samples collected showed benzene, total BTEX, and TPH concentrations below the laboratory reporting limits. Additionally, all final samples, showed chloride concentrations below the 600 mg/kg threshold.

Approximately 2,765 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.



Conclusion

Based on the laboratory results, remediation activities performed, and safety concerns of further excavation on elevated samples, EOG requests closure of this spill issue. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

A handwritten signature in black ink, appearing to read 'Brittany Long'.

Brittany Long,
Environmental Scientist/Biologist

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales,
Project Manager

cc: James Kennedy – EOG
Todd Wells - EOG

Figures



 SITE LOCATION



0 10,416.5 20,833

Approximate Scale in Feet



Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

OVERVIEW MAP
 GALAXY TO YARROW
 Property Located at coordinates 32.227150°,-103.568417°
 LEA COUNTY, NEW MEXICO

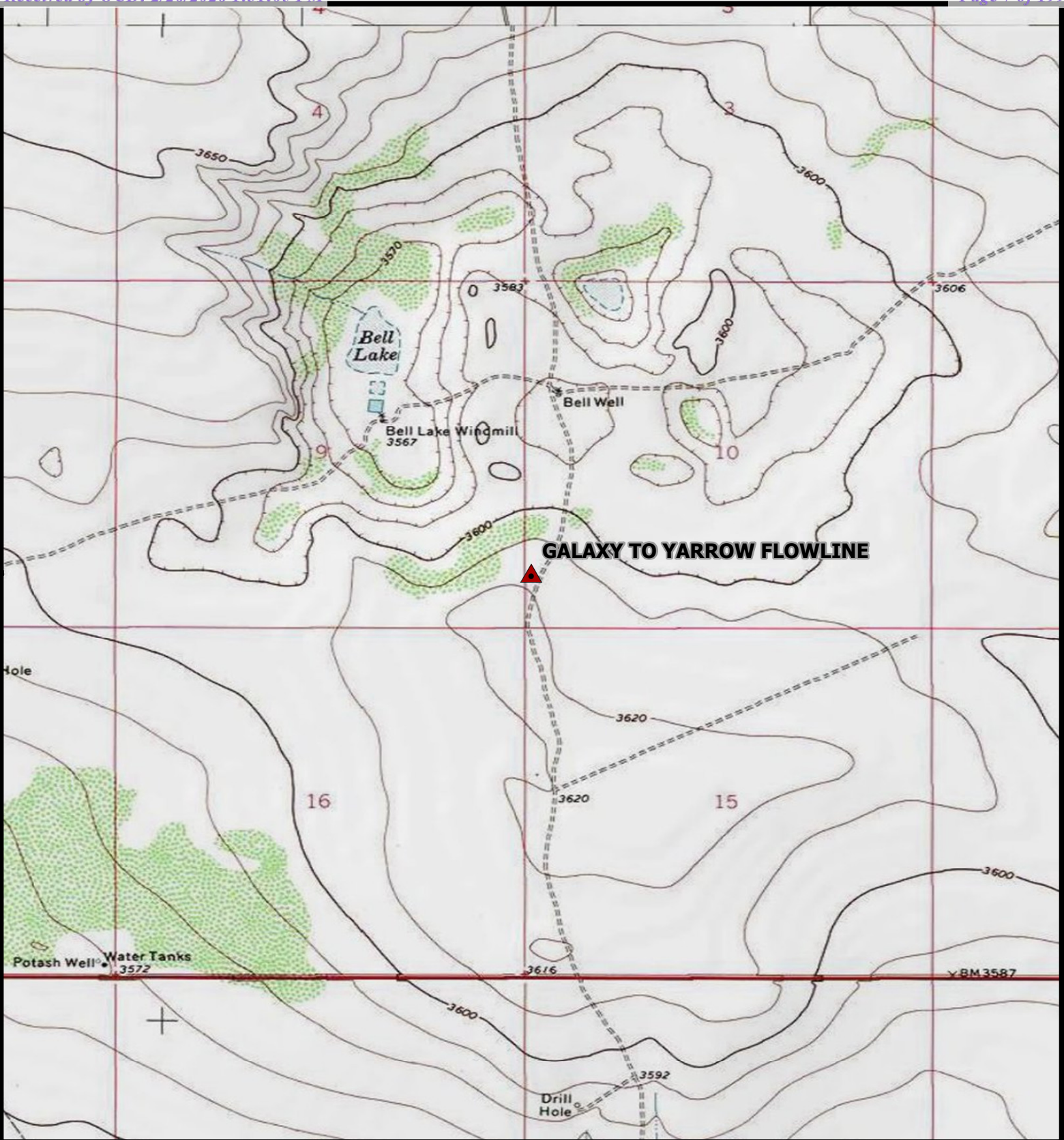


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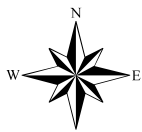
Project #: 212C-MD-01982
 Date: 05-01-2020
 Drawn By: MLM

FIGURE
 1

Document Path: H:\GIS\EOG RESOURCES\212C-MD-1982 GALAXY TO YARROW\MXD\212C-MD-01982 GALAXY TO YARROW FIG. 1.mxd



 SITE LOCATION



0 1,000 2,000
 Approximate Scale in Feet

TOPOGRAPHIC MAP
 GALAXY TO YARROW
 Property Located at coordinates 32.227150°,-103.568417°
 LEA COUNTY, NEW MEXICO

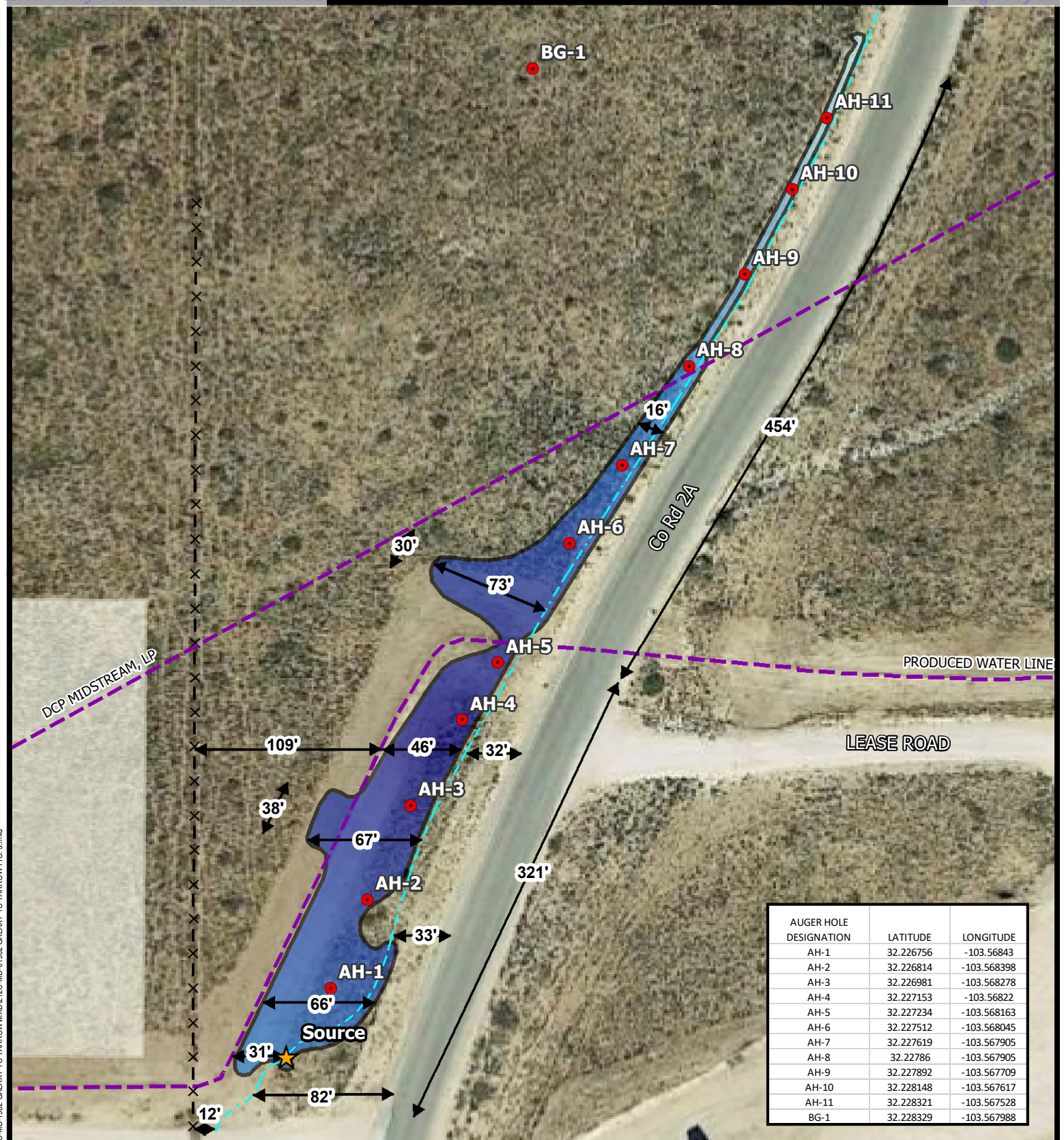


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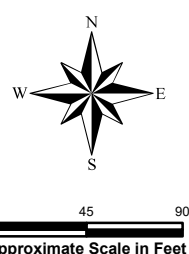
FIGURE
 2

Document Path: H:\GIS\EOG RESOURCES\212C-MD-1982 GALAXY TO YARROW\212C-MD-1982 GALAXY TO YARROW FIG. 2.mxd



| AUGER HOLE DESIGNATION | LATITUDE | LONGITUDE |
|------------------------|-----------|-------------|
| AH-1 | 32.226756 | -103.56843 |
| AH-2 | 32.226814 | -103.568398 |
| AH-3 | 32.226981 | -103.568278 |
| AH-4 | 32.227153 | -103.56822 |
| AH-5 | 32.227234 | -103.568163 |
| AH-6 | 32.227512 | -103.568045 |
| AH-7 | 32.227619 | -103.567905 |
| AH-8 | 32.22786 | -103.567905 |
| AH-9 | 32.227892 | -103.567709 |
| AH-10 | 32.228148 | -103.567617 |
| AH-11 | 32.228321 | -103.567528 |
| BG-1 | 32.228329 | -103.567988 |

- AUGERHOLE SAMPLE LOCATIONS
- ★ POINT OF RELEASE
- U.G. BURIED PIPELINE (RRC)
- BURIED PIPE WATER LINE
- PRODUCED WATER FLOWLINE
- X - FENCE LINE
- AFFECTED SPILL AREA
- DRILLING PAD

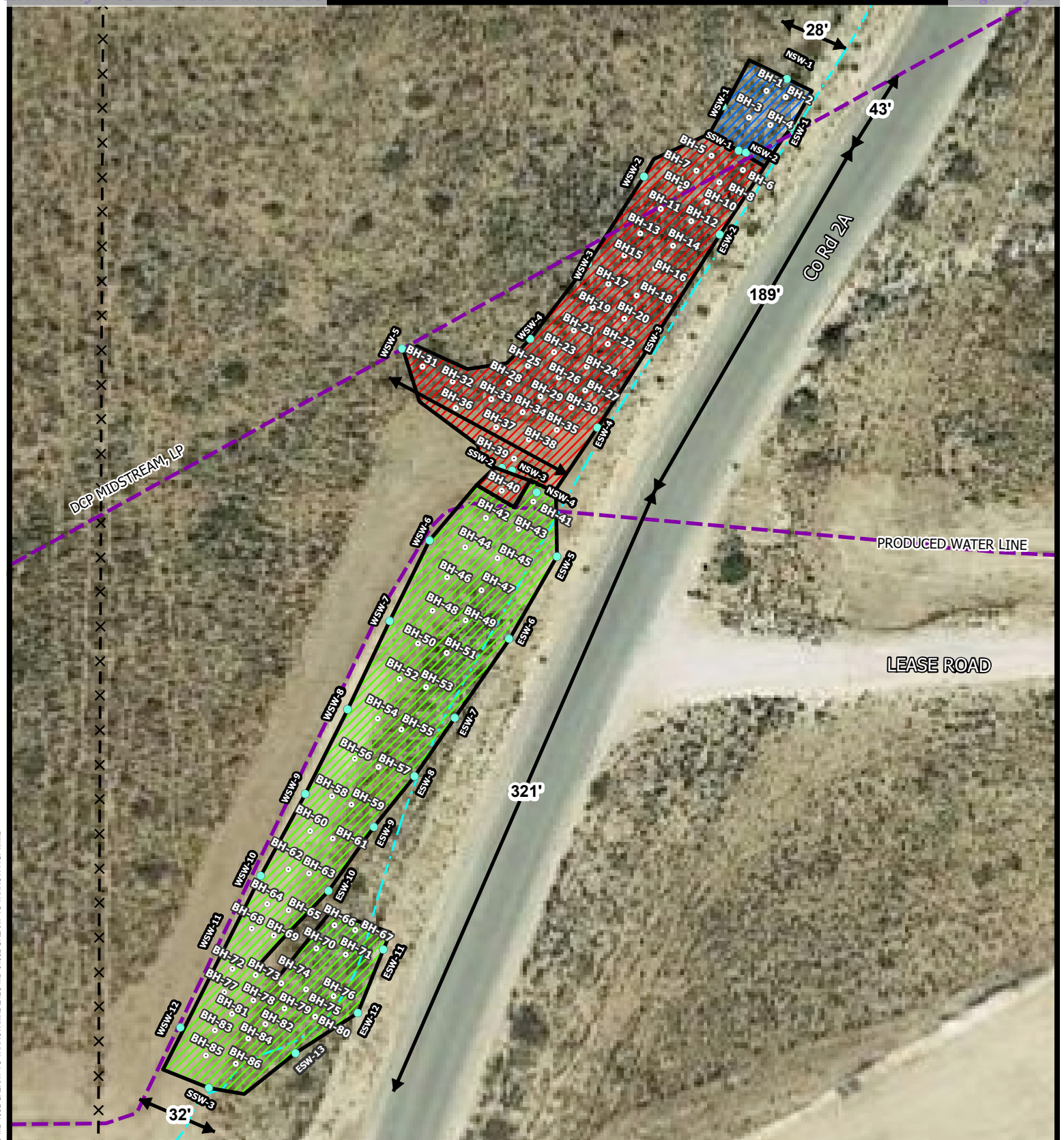


SPILL ASSESSMENT MAP
GALAXY TO YARROW
 Property Located at coordinates 32.227150°,-103.568417°
 LEA COUNTY, NEW MEXICO

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 Midland, TX 79701
 (432) 682-4559

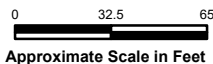
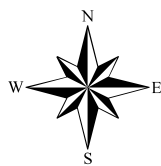
Project #: 212C-MD-01982
 Date: 05-01-2020
 Drawn By: MLM

FIGURE
3



Date: 5/6/2020 Document Path: H:\GIS\EOG_RESOURCES\212C-MD-1982 GALAXY TO YARROW\MD\212C-MD-1982 GALAXY TO YARROW\FIG. 4.mxd

- BOTTOMHOLE SAMPLE LOCATIONS
- SIDEWALL SAMPLE LOCATIONS
- U.G. BURIED PIPELINE (RRC)
- 4.0' EXCAVATED DEPTH AREA
- 3.0' EXCAVATED DEPTH AREA
- 2.0' EXCAVATED DEPTH AREA



Source: "Texas". 32°13'37.74"N, 103°34'6.30"W. Google Earth. November 02, 2017. May 1, 2020

EXCAVATION AREA & DEPTH MAP
 GALAXY TO YARROW
 Property Located at coordinates 32.227150°,-103.568417°
 LEA COUNTY, NEW MEXICO



Project #: 212C-MD-01982
 Date: 05-05-2020
 Drawn By: MLM

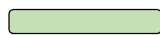
FIGURE
 4

Tables

**Table 1
EOG
Galaxy to Yarrow
Lea County, New Mexico**

| Sample ID | Sample Date | BEB (ft) | Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|------------|-------------|----------|-------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| AH-1 | 1/7/2020 | - | 0-1 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 4,360 |
| | " | - | 1-1.5 | X | | <50.1 | <50.1 | <50.1 | <50.1 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 2,780 |
| | " | - | 1.5-2.0 | X | | - | - | - | - | - | - | - | - | - | - |
| AH-2 | 1/7/2020 | - | 0-1 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 824 |
| | " | - | 1-1.5 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 506 |
| | " | - | 2-2.5 | X | | - | - | - | - | - | - | - | - | - | 47.2 |
| | " | - | 3-3.5 | X | | - | - | - | - | - | - | - | - | - | 80.8 |
| AH-3 | 1/7/2020 | - | 0-1 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 488 |
| | " | - | 1-1.5 | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 59.2 |
| AH-4 | 1/7/2020 | - | 0-1 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 24.0 |
| | " | - | 1-1.5 | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00197 | <0.00197 | <0.00197 | <0.00197 | <0.00197 | 27.5 |
| | " | - | 2-2.5 | X | | - | - | - | - | - | - | - | - | - | 10.2 |
| AH-5 | 1/7/2020 | - | 0-1 | X | | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 1,430 |
| | " | - | 1-1.5 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 122 |
| | " | - | 2-2.5 | X | | - | - | - | - | - | - | - | - | - | 61.9 |
| AH-6 | 1/7/2020 | - | 0-1 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 6,890 |
| | " | - | 1-1.5 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 6,270 |
| AH-7 | 1/7/2020 | - | 0-1 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 5,900 |
| | " | - | 1-1.5 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 5,860 |
| AH-8 | 1/7/2020 | - | 0-1 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 805 |
| | " | - | 1-1.5 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 366 |
| AH-9 | 1/7/2020 | - | 0-1 | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 13.5 |
| | " | - | 1-1.5 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 15.7 |
| AH-10 | 1/7/2020 | - | 0-1 | X | | <50.3 | <50.3 | <50.3 | <50.3 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 10.6 |
| AH-11 | 1/7/2020 | - | 0-1 | X | | <50.2 | <50.2 | <50.2 | <50.2 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 10.5 |
| Background | 1/7/2020 | - | 0-1 | X | | <50.1 | <50.1 | <50.1 | <50.1 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <10.0 |

(-) Not Analyzed



Proposed Excavation Depth

Table 2
EOG Resources
Galaxy to Yarrow
Lea County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (in) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| BH-1 | 4/20/2020 | 2' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00100 | <0.00502 | <0.00100 | <0.00100 | <0.00100 | 33.9 |
| BH-2 | 4/20/2020 | 2' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.00100 | <0.00501 | <0.00100 | <0.00100 | <0.00100 | 32.1 |
| BH-3 | 4/20/2020 | 2' | - | - | - | <50.1 | <50.1 | <50.1 | <50.1 | <0.000984 | <0.00492 | <0.000984 | <0.000984 | <0.000984 | 67.1 |
| BH-4 | 4/20/2020 | 2' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.000980 | <0.00490 | <0.000980 | <0.000980 | <0.000980 | 45.9 |
| BH-5 | 4/20/2020 | 3' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00101 | <0.00503 | <0.00101 | <0.00101 | <0.00101 | 129 |
| BH-6 | 4/20/2020 | 3' | - | - | - | <50.1 | <50.1 | <50.1 | <50.1 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 161 |
| BH-7 | 4/20/2020 | 3' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00100 | <0.00501 | <0.00100 | <0.00100 | <0.00100 | 103 |
| BH-8 | 4/20/2020 | 3' | - | - | - | <49.4 | <49.4 | <49.4 | <49.4 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 47.0 |
| BH-9 | 4/20/2020 | 3' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 166 |
| BH-10 | 4/20/2020 | 3' | - | - | - | <50.1 | <50.1 | <50.1 | <50.1 | <0.00102 | <0.00508 | <0.00102 | <0.00102 | <0.00102 | 40.1 |
| BH-11 | 4/20/2020 | 3' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.00101 | <0.00504 | <0.00101 | <0.00101 | <0.00101 | 352 |
| BH-12 | 4/20/2020 | 3' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.00101 | <0.00504 | <0.00101 | <0.00101 | <0.00101 | 63.7 |
| BH-13 | 4/20/2020 | 3' | - | - | - | <50.1 | <50.1 | <50.1 | <50.1 | <0.00101 | <0.00504 | <0.00101 | <0.00101 | <0.00101 | 252 |
| BH-14 | 4/20/2020 | 3' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 41.8 |
| BH-15 | 4/20/2020 | 3' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00100 | <0.00502 | <0.00100 | <0.00100 | <0.00100 | 40.9 |
| BH-16 | 4/20/2020 | 3' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 404 |
| BH-17 | 4/20/2020 | 3' | - | - | - | <49.4 | <49.4 | <49.4 | <49.4 | <0.00101 | <0.00504 | <0.00101 | <0.00101 | <0.00101 | 239 |
| BH-18 | 4/20/2020 | 3' | - | - | - | <50.1 | <50.1 | <50.1 | <50.1 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 51.5 |
| BH-19 | 4/20/2020 | 3' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.000988 | <0.00494 | <0.000988 | <0.000988 | <0.000988 | 68.5 |
| BH-20 | 4/20/2020 | 3' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 57.0 |
| BH-21 | 4/20/2020 | 3' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.00101 | <0.00504 | <0.00101 | <0.00101 | <0.00101 | 146 |
| BH-22 | 4/20/2020 | 3' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000978 | <0.00489 | <0.000978 | <0.000978 | <0.000978 | 145 |
| BH-23 | 4/20/2020 | 3' | - | - | - | <50.5 | <50.5 | <50.5 | <50.5 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 83.7 |
| BH-24 | 4/20/2020 | 3' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00101 | <0.00506 | <0.00101 | <0.00101 | <0.00101 | 112 |
| BH-25 | 4/20/2020 | 3' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000982 | <0.00491 | <0.000982 | <0.000982 | <0.000982 | 41.4 |
| BH-26 | 4/20/2020 | 3' | - | - | - | <50.5 | <50.5 | <50.5 | <50.5 | <0.00100 | <0.00502 | <0.00100 | <0.00100 | <0.00100 | 384 |
| BH-27 | 4/20/2020 | 3' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.00102 | <0.00508 | <0.00102 | <0.00102 | <0.00102 | 160 |
| BH-28 | 4/20/2020 | 3' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.00101 | <0.00505 | <0.00101 | <0.00101 | <0.00101 | 203 |
| BH-29 | 4/20/2020 | 3' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00101 | <0.00506 | <0.00101 | <0.00101 | <0.00101 | 115 |
| BH-30 | 4/20/2020 | 3' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000977 | <0.00488 | <0.000977 | <0.000977 | <0.000977 | 38.5 |
| BH-31 | 4/20/2020 | 3' | - | - | - | <50.3 | <50.3 | <50.3 | <50.3 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 157 |
| BH-32 | 4/20/2020 | 3' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 106 |
| BH-33 | 4/20/2020 | 3' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.00101 | <0.00507 | <0.00101 | <0.00101 | <0.00101 | 76.5 |
| BH-34 | 4/20/2020 | 3' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00102 | <0.00509 | <0.00102 | <0.00102 | <0.00102 | 92.4 |
| BH-35 | 4/20/2020 | 3' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00101 | <0.00506 | <0.00101 | <0.00101 | <0.00101 | 144 |
| BH-36 | 4/20/2020 | 3' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.000982 | <0.00491 | <0.000982 | <0.000982 | <0.000982 | 139 |

Table 2
EOG Resources
Galaxy to Yarrow
Lea County, New Mexico

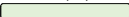
| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (in) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| BH-37 | 4/20/2020 | 3' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.00100 | <0.00501 | <0.00100 | <0.00100 | <0.00100 | 150 |
| BH-38 | 4/20/2020 | 3' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.00101 | <0.00506 | <0.00101 | <0.00101 | <0.00101 | 95.1 |
| BH-39 | 4/20/2020 | 3' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 77.3 |
| BH-40 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 253 |
| BH-41 | 4/20/2020 | 4' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.00101 | <0.00503 | <0.00101 | <0.00101 | <0.00101 | 39.4 |
| BH-42 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.000982 | <0.00491 | <0.000982 | <0.000982 | <0.000982 | 42.9 |
| BH-43 | 4/20/2020 | 4' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.00100 | <0.00502 | <0.00100 | <0.00100 | <0.00100 | 140 |
| BH-44 | 4/20/2020 | 4' | - | - | - | <50.3 | <50.3 | <50.3 | <50.3 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 126 |
| BH-45 | 4/20/2020 | 4' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00101 | <0.00507 | <0.00101 | <0.00101 | <0.00101 | 54.4 |
| BH-46 | 4/20/2020 | 4' | - | - | - | <50.3 | <50.3 | <50.3 | <50.3 | <0.000986 | <0.00493 | <0.000986 | <0.000986 | <0.000986 | 92.6 |
| BH-47 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00101 | <0.00506 | <0.00101 | <0.00101 | <0.00101 | 215 |
| BH-48 | 4/20/2020 | 4' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00101 | <0.00507 | <0.00101 | <0.00101 | <0.00101 | 18.7 |
| BH-49 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.00100 | <0.00501 | <0.00100 | <0.00100 | <0.00100 | 18.2 |
| BH-50 | 4/20/2020 | 4' | - | - | - | <50.3 | <50.3 | <50.3 | <50.3 | <0.00101 | <0.00505 | <0.00101 | <0.00101 | <0.00101 | 17.5 |
| BH-51 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 18.8 |
| BH-52 | 4/20/2020 | 4' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00100 | <0.00502 | <0.00100 | <0.00100 | <0.00100 | 21.7 |
| BH-53 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 116 |
| BH-54 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000984 | <0.00492 | <0.000984 | <0.000984 | <0.000984 | 110 |
| BH-55 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 146 |
| BH-56 | 4/20/2020 | 4' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00100 | <0.00501 | <0.00100 | <0.00100 | <0.00100 | 140 |
| BH-57 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.00101 | <0.00503 | <0.00101 | <0.00101 | <0.00101 | 107 |
| BH-58 | 4/20/2020 | 4' | - | - | - | <50.4 | <50.4 | <50.4 | <50.4 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 110 |
| BH-59 | 4/20/2020 | 4' | - | - | - | <50.2 | <50.2 | <50.2 | <50.2 | <0.00101 | <0.00507 | <0.00101 | <0.00101 | <0.00101 | 185 |
| BH-60 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 98.2 |
| BH-61 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 154 |
| BH-62 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 95.1 |
| BH-63 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 144 |
| BH-64 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 169 |
| BH-65 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 169 |
| BH-66 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 163 |
| BH-67 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 176 |
| BH-68 | 4/20/2020 | 4' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 166 |
| BH-69 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 38.0 |
| BH-70 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 38.6 |
| BH-71 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 46.7 |

Table 2
EOG Resources
Galaxy to Yarrow
Lea County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (in) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| BH-72 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 49.7 |
| BH-73 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 125 |
| BH-74 | 4/20/2020 | 4' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 143 |
| BH-75 | 4/20/2020 | 4' | - | - | - | <49.5 | <49.5 | <49.5 | <49.5 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 74.5 |
| BH-76 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 100 |
| BH-77 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 113 |
| BH-78 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 51.0 |
| BH-79 | 4/20/2020 | 4' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 88.8 |
| BH-80 | 4/20/2020 | 4' | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 102 |
| BH-81 | 4/20/2020 | 4' | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 186 |
| BH-82 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 151 |
| BH-83 | 4/20/2020 | 4' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 130 |
| BH-84 | 4/20/2020 | 4' | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 139 |
| BH-85 | 4/20/2020 | 4' | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 132 |
| BH-86 | 4/20/2020 | 4' | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 86.7 |
| N1SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 53.9 |
| N2SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 39.5 |
| N3SW | 4/20/2020 | - | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 24.8 |
| N4SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 38.4 |
| E1SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00101 | <0.00503 | <0.00101 | <0.00101 | <0.00101 | 128 |
| E2SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 63.9 |
| E3SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 134 |
| E4SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 129 |
| E5SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 81.4 |
| E6SW | 4/20/2020 | - | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.00101 | <0.00504 | <0.00101 | <0.00101 | <0.00101 | 97.9 |
| E7SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 76.7 |
| E8SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00100 | <0.00501 | <0.00100 | <0.00100 | <0.00100 | 75.3 |
| E9SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 72.0 |
| E10SW | 4/20/2020 | - | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.000998 | <0.00499 | <0.000998 | <0.000998 | <0.000998 | 16.0 |
| E11SW | 4/20/2020 | - | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 37.7 |
| E12SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000994 | <0.00497 | <0.000994 | <0.000994 | <0.000994 | 87.3 |
| E13SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 38.8 |
| S1SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 40.8 |
| S2SW | 4/20/2020 | - | - | - | - | <49.7 | <49.7 | <49.7 | <49.7 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 19.4 |
| S3SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 87.5 |
| W1SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 62.9 |

Table 2
EOG Resources
Galaxy to Yarrow
Lea County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (in) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| W2SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 75.5 |
| W3SW | 4/20/2020 | - | - | - | - | <49.6 | <49.6 | <49.6 | <49.6 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 24.0 |
| W4SW | 4/20/2020 | - | - | - | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 41.6 |
| W5SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 36.6 |
| W6SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 41.7 |
| W7SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 17.7 |
| W8SW | 4/20/2020 | - | - | - | - | <49.8 | <49.8 | <49.8 | <49.8 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 75.4 |
| W9SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000990 | <0.00495 | <0.000990 | <0.000990 | <0.000990 | 18.7 |
| W10SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.00100 | <0.00500 | <0.00100 | <0.00100 | <0.00100 | 29.2 |
| W11SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000996 | <0.00498 | <0.000996 | <0.000996 | <0.000996 | 77.7 |
| W12SW | 4/20/2020 | - | - | - | - | <49.9 | <49.9 | <49.9 | <49.9 | <0.000992 | <0.00496 | <0.000992 | <0.000992 | <0.000992 | 130 |

(-) Not Analyzed
 Proposed Excavation Depths

Photos

EOG Galaxy to Yarrow
Lea County, New Mexico



TETRA TECH



View Southwest, area of Bottom holes 1-30



View Southwest, area of Bottom holes 31-40

EOG Galaxy to Yarrow
Lea County, New Mexico

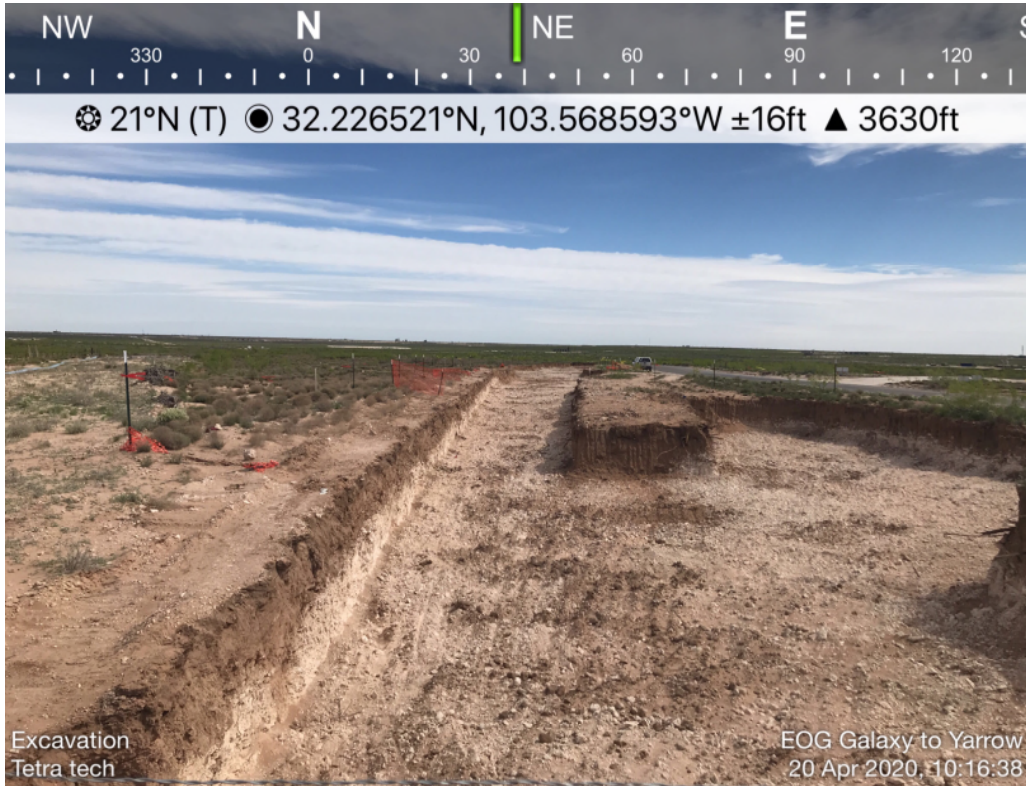


View Northeast, area of Bottom holes 41-60



View North, area of Bottom holes 61-80

EOG Galaxy to Yarrow
Lea County, New Mexico



View Northeast, area of Bottom holes 61-86



View South, area of Bottom holes 80-86

Appendix A

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 Department

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

| | |
|----------------|---------------|
| Incident ID | NRM2007652972 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|--|----------------------------------|
| Responsible Party EOG Resources | OGRID 7377 |
| Contact Name James Kennedy | Contact Telephone (432) 848-9146 |
| Contact email James_Kennedy@eogresources.com | Incident # (assigned by OCD) |
| Contact mailing address 5509 Champions Drive Midland, TX 79706 | |

Location of Release Source

Latitude 32.227150° Longitude -103.568417°
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|-------------------------------------|-------------------------------------|
| Site Name Galaxy to Yarrow Lay Flat | Site Type Reuse Water Lay Flat Line |
| Date Release Discovered 10/21/19 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| M | 10 | 24S | 33E | Lea |

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Reuse Water | Volume Released (bbls) 75 | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: While pumping from the pit to the frac, the line developed a pinhole leak. Approximately 75 bbls of reuse water released from the line and 0 bbls was recovered.

State of New Mexico
 Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NRM2007652972 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email notification to the District 1 inbox on 3/6/20. | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
| If all the actions described above have <u>not</u> been undertaken, explain why: |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. |
| Printed Name: <u>James Kennedy</u> Title: <u>Environmental Specialist</u> Signature: _____ Date: <u>3-6-20</u> email: <u>James_Kennedy@eogresources.com</u> Telephone: <u>(432) 848-9146</u> |
| <u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>3/16/2020</u> |

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | _____ (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of 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 OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Appendix B



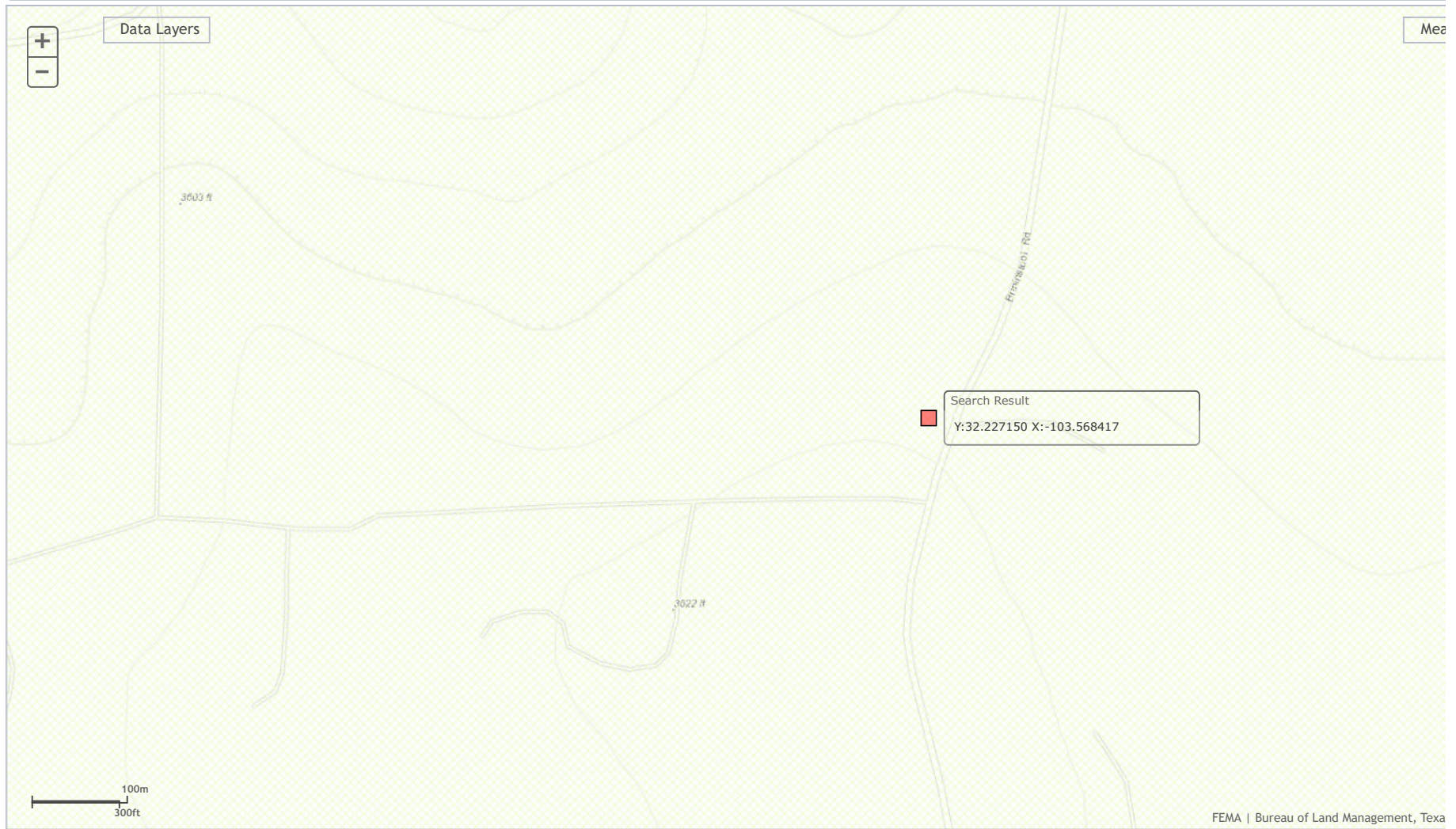
National Water Information System: Mapper

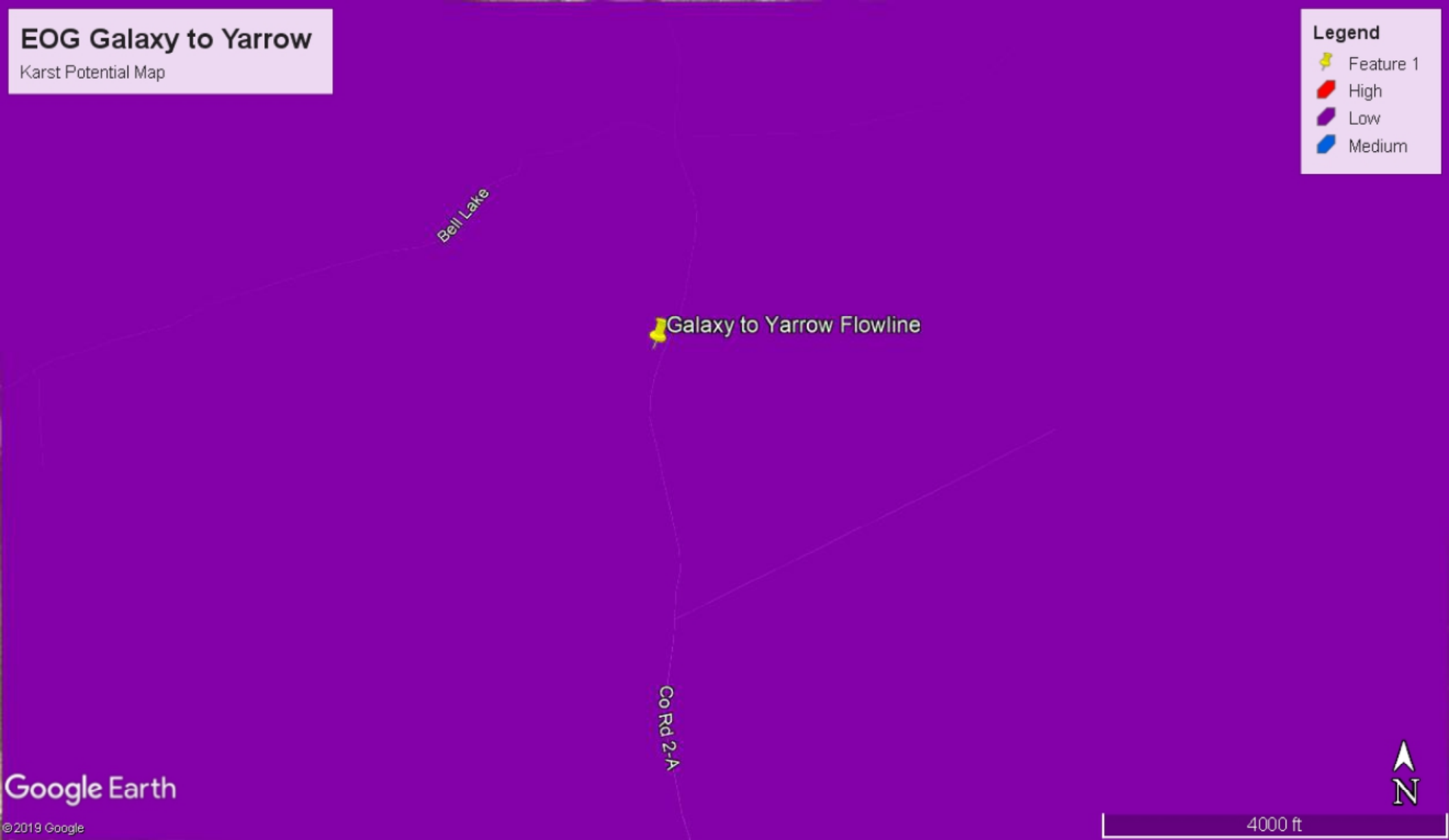


Site Information



NFHL Web Mapping Application







USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 321348103340401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321348103340401 24S.33E.10.13123

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°14'04.9", Longitude 103°34'02.4" NAD83

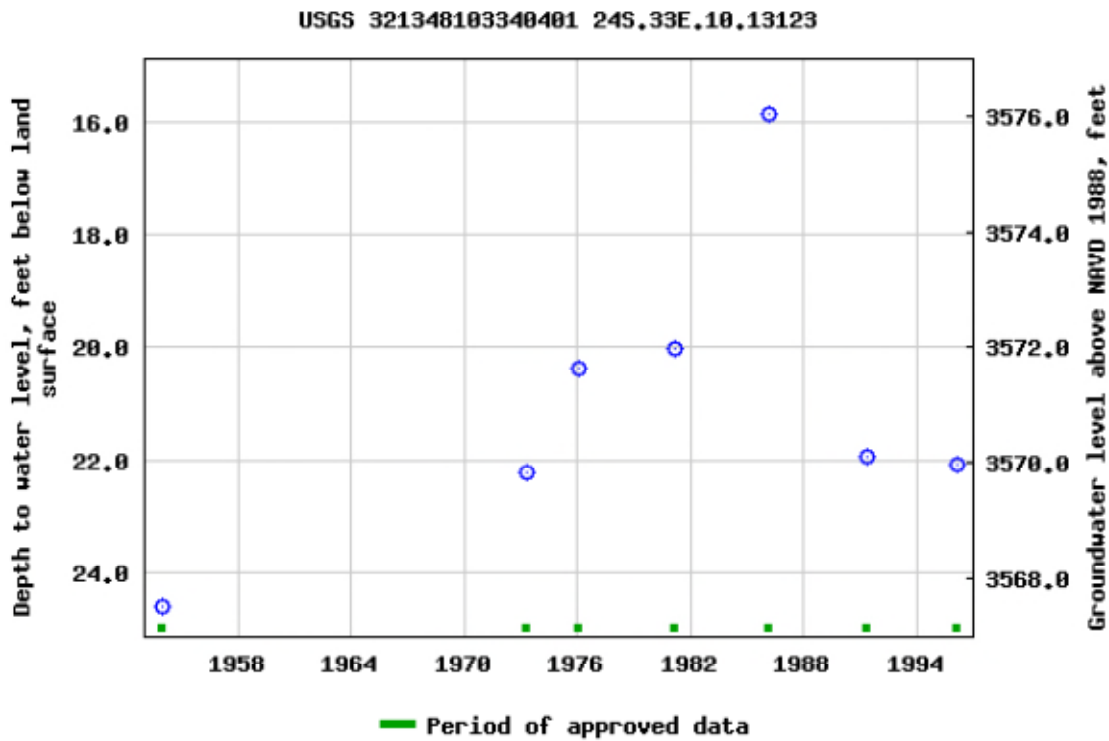
Land-surface elevation 3,592 feet above NAVD88

The depth of the well is 36 feet below land surface.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

| |
|------------------------------------|
| Table of data |
| Tab-separated data |
| Graph of data |
| Reselect period |



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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[Data Tips](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2020-01-21 12:48:18 EST

0.66 0.46 nadww01



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|----------|------|------|--------|----------|----------|-----|-----|------|------------|-------------|--------------|
| C 02308 | CUB | LE | 1 3 1 | 10 | 24S | 33E | 634953 | 3567364* | | 40 | 20 | 20 | | |
| C 02309 | CUB | LE | 2 2 2 | 25 | 24S | 33E | 639638 | 3562994* | | 60 | 30 | 30 | | |
| C 02310 | CUB | LE | 2 3 2 | 33 | 24S | 33E | 634437 | 3560918* | | 120 | 70 | 50 | | |
| C 02311 | CUB | LE | 2 3 2 | 33 | 24S | 33E | 634437 | 3560918* | | 120 | 70 | 50 | | |
| C 02430 | CUB | LE | 3 3 3 | 16 | 24S | 33E | 633377 | 3564732* | | 643 | 415 | 228 | | |
| C 02431 | CUB | LE | 4 4 4 | 17 | 24S | 33E | 633175 | 3564728* | | 525 | 415 | 110 | | |
| C 02432 | CUB | LE | 4 4 4 | 17 | 24S | 33E | 633175 | 3564728* | | 640 | 415 | 225 | | |
| C 02563 | CUB | LE | 1 4 2 | 33 | 24S | 33E | 634639 | 3560923* | | 120 | | | | |
| C 02564 | CUB | LE | 2 4 2 | 33 | 24S | 33E | 634839 | 3560923* | | 120 | | | | |
| C 02890 | C | LE | 2 4 29 | 24S | 33E | 633114 | 3562012* | | 500 | | | | | |
| C 03565 POD3 | CUB | LE | 3 4 08 | 24S | 33E | 632763 | 3566546 | | | | 1533 | | | |
| C 03591 POD1 | CUB | LE | 2 1 4 05 | 24S | 33E | 632731 | 3568518 | | | | | | | |
| C 03600 POD1 | CUB | LE | 2 2 1 26 | 24S | 33E | 637275 | 3563023 | | | | | | | |
| C 03600 POD2 | CUB | LE | 4 4 1 25 | 24S | 33E | 638824 | 3562329 | | | | | | | |
| C 03600 POD3 | CUB | LE | 3 4 2 26 | 24S | 33E | 637784 | 3562340 | | | | | | | |
| C 03600 POD4 | CUB | LE | 3 3 1 26 | 24S | 33E | 636617 | 3562293 | | | | | | | |
| C 03600 POD5 | CUB | LE | 3 2 4 26 | 24S | 33E | 637857 | 3562020 | | | | | | | |
| C 03600 POD6 | CUB | LE | 3 1 4 26 | 24S | 33E | 637383 | 3562026 | | | | | | | |
| C 03600 POD7 | CUB | LE | 3 1 3 26 | 24S | 33E | 636726 | 3561968 | | | | | | | |
| C 03601 POD1 | CUB | LE | 4 4 2 23 | 24S | 33E | 638124 | 3563937 | | | | | | | |
| C 03601 POD2 | CUB | LE | 3 2 4 23 | 24S | 33E | 637846 | 3563588 | | | | | | | |
| C 03601 POD3 | CUB | LE | 1 3 3 24 | 24S | 33E | 638142 | 3563413 | | | | | | | |
| C 03601 POD4 | CUB | LE | 3 3 3 24 | 24S | 33E | 638162 | 3561375 | | | | | | | |
| C 03601 POD5 | CUB | LE | 2 4 4 23 | 24S | 33E | 637988 | 3563334 | | | | | | | |
| C 03601 POD6 | CUB | LE | 1 4 4 23 | 24S | 33E | 637834 | 3563338 | | | | | | | |
| C 03601 POD7 | CUB | LE | 4 4 4 23 | 24S | 33E | 637946 | 3563170 | | | | | | | |

*UTM location was derived from PLSS - see Help

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|-------------------------------|--------------|-------|--------|------|------|-----|-----|-----|--------|---------|---|------------|-------------|--------------|
| C 03602 POD2 | CUB | LE | 4 | 4 | 1 | 25 | 24S | 33E | 638824 | 3562329 | | | | |
| C 03603 POD1 | CUB | LE | 3 | 2 | 2 | 35 | 24S | 33E | 637805 | 3561225 | | | | |
| C 03603 POD2 | CUB | LE | 3 | 1 | 2 | 35 | 24S | 33E | 637384 | 3561167 | | | | |
| C 03603 POD3 | CUB | LE | 4 | 1 | 1 | 35 | 24S | 33E | 636890 | 3561092 | | | | |
| C 03603 POD4 | CUB | LE | 3 | 2 | 4 | 35 | 24S | 33E | 637789 | 3560461 | | | | |
| C 03603 POD5 | CUB | LE | 3 | 3 | 2 | 35 | 24S | 33E | 636745 | 3560767 | | | | |
| C 03603 POD6 | CUB | LE | 3 | 1 | 3 | 35 | 24S | 33E | 636749 | 3560447 | | | | |
| C 03662 POD1 | C | LE | 3 | 1 | 2 | 23 | 24S | 33E | 637342 | 3564428 | | 550 | 110 | 440 |
| C 03666 POD1 | C | LE | 2 | 3 | 4 | 13 | 24S | 33E | 639132 | 3565078 | | 650 | 390 | 260 |
| C 03679 POD1 | C | ED | 1 | 4 | 2 | 14 | 24S | 33E | 603567 | 3581547 | | 700 | 575 | 125 |
| C 03917 POD1 | C | LE | 4 | 1 | 3 | 13 | 24S | 33E | 638374 | 3565212 | | 600 | 420 | 180 |
| C 04014 POD2 | CUB | LE | 4 | 4 | 2 | 01 | 24S | 33E | 639656 | 3568917 | | 95 | 81 | 14 |
| C 04014 POD3 | CUB | LE | 2 | 4 | 2 | 01 | 24S | 33E | 639497 | 3569007 | | 95 | 87 | 8 |
| C 04014 POD4 | CUB | LE | 3 | 4 | 2 | 01 | 24S | 33E | 639295 | 3568859 | | 96 | 86 | 10 |
| C 04014 POD5 | CUB | LE | 1 | 4 | 2 | 01 | 24S | 33E | 639284 | 3569086 | | 95 | 85 | 10 |
| C 04339 POD1 | CUB | LE | 1 | 3 | 3 | 23 | 24S | 33E | 636525 | 3563309 | | 47 | | |
| C 04339 POD10 | CUB | LE | 4 | 1 | 4 | 23 | 24S | 33E | 637688 | 3563503 | | 49 | | |
| C 04339 POD2 | CUB | LE | 2 | 3 | 3 | 23 | 24S | 33E | 636789 | 3563315 | | | | |
| C 04339 POD3 | CUB | LE | 2 | 4 | 3 | 23 | 24S | 33E | 637273 | 3563323 | | 38 | | |
| C 04339 POD4 | CUB | LE | 2 | 4 | 3 | 23 | 24S | 33E | 637273 | 3563323 | | 47 | | |
| C 04339 POD5 | CUB | LE | 2 | 3 | 4 | 23 | 24S | 33E | 637580 | 3563328 | | 54 | | |
| C 04339 POD6 | CUB | LE | 3 | 1 | 2 | 23 | 24S | 33E | 637340 | 3564386 | | 60 | | |
| C 04339 POD7 | CUB | LE | 4 | 4 | 2 | 23 | 24S | 33E | 636473 | 3564011 | | 43 | | |
| C 04339 POD8 | CUB | LE | 1 | 1 | 3 | 23 | 24S | 33E | 636519 | 3563681 | | 30 | | |
| C 04339 POD9 | CUB | LE | 3 | 4 | 2 | 23 | 24S | 33E | 637731 | 3563913 | | 45 | | |

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.

Average Depth to Water: **300 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1533 feet**

Record Count: 51

PLSS Search:

Township: 24S

Range: 33E

Water Well Data Average Depth to Groundwater (ft) EOG Galaxy to Yarrow

23 South 32 East

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

23 South 33 East

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

23 South 34 East

| | | | | | | | |
|----|-----|-----|-----|-----|----|-----|-----|
| 6 | 329 | 5 | 4 | 3 | 2 | 1 | 137 |
| 7 | 8 | 255 | 9 | 10 | 11 | 12 | |
| 18 | 17 | 16 | 345 | 15 | 14 | 13 | |
| 19 | 20 | 21 | 22 | 282 | 23 | 233 | 24 |
| 30 | 29 | 28 | 27 | 295 | 26 | 265 | 25 |
| 31 | 32 | 160 | 33 | 34 | 35 | 36 | |

24 South 32 East

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

24 South 33 East

| | | | | | | |
|----|----|----------|----|----|----|----|
| 6 | 5 | Maljamar | 3 | 2 | 1 | |
| 7 | 8 | 9 | 10 | 20 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 | |
| 19 | 20 | 21 | 22 | 23 | 24 | |
| 30 | 29 | 28 | 27 | 26 | 25 | |
| 31 | 32 | 33 | 70 | 34 | 35 | 36 |

24 South 34 East

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

25 South 32 East

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

25 South 33 East

| | | | | | | |
|----|-----|----|----|-----|----|-----|
| 6 | 5 | 4 | 3 | 172 | 2 | 1 |
| 7 | 118 | 9 | 10 | 11 | 12 | |
| 18 | 17 | 16 | 15 | 140 | 13 | 200 |
| 19 | 20 | 21 | 22 | 23 | 24 | |
| 30 | 29 | 28 | 27 | 26 | 25 | |
| 31 | 32 | 33 | 34 | 35 | 36 | |

25 South 34 East

| | | | | | | |
|----|----|-----|----|----|----|-----|
| 6 | 5 | 4 | 3 | 2 | 1 | 260 |
| 7 | 8 | 9 | 10 | 11 | 12 | |
| 18 | 17 | 16 | 15 | 14 | 13 | |
| 19 | 20 | 21 | 22 | 23 | 24 | |
| 30 | 29 | 129 | 28 | 27 | 26 | 25 |
| 31 | 32 | 50 | 33 | 34 | 35 | 36 |

- 88 New Mexico State Engineers Well Reports
- 105 USGS Well Reports
- 90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34 NMOCD - Groundwater Data
- 121 Abandoned Waterwell (recently measured)

Appendix C



Certificate of Analysis Summary 648193

EOG Resources, Midland, TX

Project Name: Galaxy Yarrow

Project Id: 212C-MD-01982
Contact: James Kennedy
Project Location: Lea Co, NM

Date Received in Lab: Tue Jan-07-20 03:41 pm
Report Date: 10-JAN-20
Project Manager: Holly Taylor

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 648193-001 | 648193-002 | 648193-003 | 648193-004 | 648193-005 | 648193-006 |
|------------------------------------|-------------------|------------------|------------------|-----------------|------------------|------------------|-----------------|
| | <i>Field Id:</i> | AH#1 (0-1') | AH#1 (1-1.5') | AH#1 (1.5-2') | AH#2 (0-1') | AH#2 (1-1.5") | AH#2 (2-2.5') |
| | <i>Depth:</i> | 0-1 ft | 1-1.5 ft | 1.5-2 ft | 0-1 ft | 1-1.5 ft | 2-2.5 ft |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 |
| BTEX by EPA 8021B | <i>Extracted:</i> | Jan-07-20 18:17 | Jan-07-20 18:17 | | Jan-07-20 18:17 | Jan-07-20 18:17 | |
| | <i>Analyzed:</i> | Jan-08-20 00:41 | Jan-08-20 00:59 | | Jan-08-20 01:16 | Jan-08-20 01:34 | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | mg/kg RL | mg/kg RL | |
| Benzene | | <0.00200 0.00200 | <0.00199 0.00199 | | <0.00201 0.00201 | <0.00200 0.00200 | |
| Toluene | | <0.00200 0.00200 | <0.00199 0.00199 | | <0.00201 0.00201 | <0.00200 0.00200 | |
| Ethylbenzene | | <0.00200 0.00200 | <0.00199 0.00199 | | <0.00201 0.00201 | <0.00200 0.00200 | |
| m,p-Xylenes | | <0.00399 0.00399 | <0.00398 0.00398 | | <0.00402 0.00402 | <0.00399 0.00399 | |
| o-Xylene | | <0.00200 0.00200 | <0.00199 0.00199 | | <0.00201 0.00201 | <0.00200 0.00200 | |
| Total Xylenes | | <0.00200 0.00200 | <0.00199 0.00199 | | <0.00201 0.00201 | <0.00200 0.00200 | |
| Total BTEX | | <0.00200 0.00200 | <0.00199 0.00199 | | <0.00201 0.00201 | <0.00200 0.00200 | |
| Chloride by EPA 300 | <i>Extracted:</i> | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 |
| | <i>Analyzed:</i> | Jan-07-20 19:39 | Jan-07-20 19:45 | Jan-07-20 19:50 | Jan-07-20 19:56 | Jan-07-20 20:13 | Jan-07-20 20:18 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 4360 100 | 2780 100 | 3480 101 | 824 9.98 | 506 9.94 | 47.2 9.98 |
| TPH By SW8015 Mod | <i>Extracted:</i> | Jan-07-20 17:20 | Jan-07-20 17:20 | | Jan-07-20 17:20 | Jan-07-20 17:20 | |
| | <i>Analyzed:</i> | Jan-07-20 22:43 | Jan-07-20 22:43 | | Jan-07-20 23:02 | Jan-07-20 23:22 | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | mg/kg RL | mg/kg RL | |
| Gasoline Range Hydrocarbons (GRO) | | <50.0 50.0 | <50.1 50.1 | | <50.0 50.0 | <50.0 50.0 | |
| Diesel Range Organics (DRO) | | <50.0 50.0 | <50.1 50.1 | | <50.0 50.0 | <50.0 50.0 | |
| Motor Oil Range Hydrocarbons (MRO) | | <50.0 50.0 | <50.1 50.1 | | <50.0 50.0 | <50.0 50.0 | |
| Total TPH | | <50.0 50.0 | <50.1 50.1 | | <50.0 50.0 | <50.0 50.0 | |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 648193

EOG Resources, Midland, TX

Project Name: Galaxy Yarrow

Project Id: 212C-MD-01982
Contact: James Kennedy
Project Location: Lea Co, NM

Date Received in Lab: Tue Jan-07-20 03:41 pm
Report Date: 10-JAN-20
Project Manager: Holly Taylor

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 648193-007 | 648193-008 | 648193-009 | 648193-010 | 648193-011 | 648193-012 |
|------------------------------------|-------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|
| | <i>Field Id:</i> | AH#2 (3-3.5') | AH#3 (0-1') | AH#3 (1-1.5') | AH#4 (0-1') | AH#4 (1-1.5') | AH#4 (2-2.5') |
| | <i>Depth:</i> | 3-3.5 ft | 0-1 ft | 1-1.5 ft | 0-1 ft | 1-1.5 ft | 2-2.5 ft |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 |
| BTEX by EPA 8021B | <i>Extracted:</i> | | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 | |
| | <i>Analyzed:</i> | | Jan-08-20 01:51 | Jan-08-20 02:08 | Jan-08-20 02:26 | Jan-08-20 02:43 | |
| | <i>Units/RL:</i> | | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | |
| Benzene | | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00197 0.00197 | |
| Toluene | | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00197 0.00197 | |
| Ethylbenzene | | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00197 0.00197 | |
| m,p-Xylenes | | | <0.00397 0.00397 | <0.00399 0.00399 | <0.00396 0.00396 | <0.00394 0.00394 | |
| o-Xylene | | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00197 0.00197 | |
| Total Xylenes | | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00197 0.00197 | |
| Total BTEX | | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00197 0.00197 | |
| Chloride by EPA 300 | <i>Extracted:</i> | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 |
| | <i>Analyzed:</i> | Jan-07-20 20:24 | Jan-07-20 20:29 | Jan-07-20 20:35 | Jan-07-20 20:41 | Jan-07-20 20:57 | Jan-07-20 21:03 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 80.8 9.92 | 488 9.90 | 59.2 9.98 | 24.0 9.96 | 27.5 9.92 | 10.2 10.0 |
| TPH By SW8015 Mod | <i>Extracted:</i> | | Jan-07-20 17:20 | Jan-07-20 17:20 | Jan-07-20 17:20 | Jan-07-20 17:20 | |
| | <i>Analyzed:</i> | | Jan-07-20 23:22 | Jan-07-20 23:42 | Jan-07-20 23:42 | Jan-08-20 00:01 | |
| | <i>Units/RL:</i> | | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | |
| Gasoline Range Hydrocarbons (GRO) | | | <50.0 50.0 | <49.9 49.9 | <50.0 50.0 | <50.2 50.2 | |
| Diesel Range Organics (DRO) | | | <50.0 50.0 | <49.9 49.9 | <50.0 50.0 | <50.2 50.2 | |
| Motor Oil Range Hydrocarbons (MRO) | | | <50.0 50.0 | <49.9 49.9 | <50.0 50.0 | <50.2 50.2 | |
| Total TPH | | | <50.0 50.0 | <49.9 49.9 | <50.0 50.0 | <50.2 50.2 | |

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Holly Taylor
Project Manager



Certificate of Analysis Summary 648193

EOG Resources, Midland, TX

Project Name: Galaxy Yarrow

Project Id: 212C-MD-01982

Contact: James Kennedy

Project Location: Lea Co, NM

Date Received in Lab: Tue Jan-07-20 03:41 pm

Report Date: 10-JAN-20

Project Manager: Holly Taylor

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 648193-013 | 648193-014 | 648193-015 | 648193-016 | 648193-017 | 648193-018 |
|----------------------------|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | <i>Field Id:</i> | AH#5 (0-1') | AH#5 (1-1.5') | AH#5 (2-2.5') | AH#6 (0-1') | AH#6 (1-1.5') | AH#7 (0-1') |
| | <i>Depth:</i> | 0-1 ft | 1-1.5 ft | 2-2.5 ft | 0-1 ft | 1-1.5 ft | 0-1 ft |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 |
| BTEX by EPA 8021B | <i>Extracted:</i> | Jan-07-20 18:17 | Jan-07-20 18:17 | | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 |
| | <i>Analyzed:</i> | Jan-08-20 03:01 | Jan-08-20 03:18 | | Jan-08-20 04:27 | Jan-08-20 04:45 | Jan-08-20 05:02 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | mg/kg RL | mg/kg RL | mg/kg RL |
| | Benzene | <0.00200 0.00200 | <0.00200 0.00200 | | <0.00198 0.00198 | <0.00202 0.00202 | <0.00201 0.00201 |
| | Toluene | <0.00200 0.00200 | <0.00200 0.00200 | | <0.00198 0.00198 | <0.00202 0.00202 | <0.00201 0.00201 |
| | Ethylbenzene | <0.00200 0.00200 | <0.00200 0.00200 | | <0.00198 0.00198 | <0.00202 0.00202 | <0.00201 0.00201 |
| | m,p-Xylenes | <0.00399 0.00399 | <0.00401 0.00401 | | <0.00395 0.00395 | <0.00404 0.00404 | <0.00402 0.00402 |
| | o-Xylene | <0.00200 0.00200 | <0.00200 0.00200 | | <0.00198 0.00198 | <0.00202 0.00202 | <0.00201 0.00201 |
| Total Xylenes | <0.00200 0.00200 | <0.00200 0.00200 | | <0.00198 0.00198 | <0.00202 0.00202 | <0.00201 0.00201 | |
| Total BTEX | <0.00200 0.00200 | <0.00200 0.00200 | | <0.00198 0.00198 | <0.00202 0.00202 | <0.00201 0.00201 | |
| Chloride by EPA 300 | <i>Extracted:</i> | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 | Jan-07-20 17:00 |
| | <i>Analyzed:</i> | Jan-07-20 21:20 | Jan-07-20 21:25 | Jan-07-20 21:31 | Jan-07-20 21:36 | Jan-07-20 21:42 | Jan-07-20 21:47 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | 1430 50.1 | 122 9.96 | 61.9 9.98 | 6890 49.6 | 6270 49.9 | 5900 49.8 | |
| TPH By SW8015 Mod | <i>Extracted:</i> | Jan-07-20 17:20 | Jan-07-20 17:20 | | Jan-07-20 17:20 | Jan-07-20 17:20 | Jan-07-20 17:20 |
| | <i>Analyzed:</i> | Jan-08-20 00:01 | Jan-08-20 00:21 | | Jan-08-20 00:21 | Jan-08-20 00:40 | Jan-08-20 00:40 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | mg/kg RL | mg/kg RL | mg/kg RL |
| | Gasoline Range Hydrocarbons (GRO) | <49.8 49.8 | <50.2 50.2 | | <50.2 50.2 | <50.2 50.2 | <50.2 50.2 |
| | Diesel Range Organics (DRO) | <49.8 49.8 | <50.2 50.2 | | <50.2 50.2 | <50.2 50.2 | <50.2 50.2 |
| | Motor Oil Range Hydrocarbons (MRO) | <49.8 49.8 | <50.2 50.2 | | <50.2 50.2 | <50.2 50.2 | <50.2 50.2 |
| Total TPH | <49.8 49.8 | <50.2 50.2 | | <50.2 50.2 | <50.2 50.2 | <50.2 50.2 | |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 648193

EOG Resources, Midland, TX

Project Name: Galaxy Yarrow

Project Id: 212C-MD-01982
Contact: James Kennedy
Project Location: Lea Co, NM

Date Received in Lab: Tue Jan-07-20 03:41 pm
Report Date: 10-JAN-20
Project Manager: Holly Taylor

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 648193-019 | 648193-020 | 648193-021 | 648193-022 | 648193-023 | 648193-024 |
|------------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | <i>Field Id:</i> | AH#7 (1-1.5') | AH#8 (0-1') | AH#8 (1-1.5') | AH#9 (0-1') | AH#9 (1-1.5') | AH#10 (0-1') |
| | <i>Depth:</i> | 1-1.5 ft | 0-1 ft | 1-1.5 ft | 0-1 ft | 1-1.5 ft | 0-1 ft |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 | Jan-07-20 00:00 |
| BTEX by EPA 8021B | <i>Extracted:</i> | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 | Jan-07-20 18:17 |
| | <i>Analyzed:</i> | Jan-08-20 05:20 | Jan-08-20 05:37 | Jan-08-20 05:54 | Jan-08-20 06:12 | Jan-08-20 06:29 | Jan-08-20 06:47 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00201 0.00201 | <0.00202 0.00202 | <0.00202 0.00202 |
| Toluene | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00201 0.00201 | <0.00202 0.00202 | <0.00202 0.00202 |
| Ethylbenzene | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00201 0.00201 | <0.00202 0.00202 | <0.00202 0.00202 |
| m,p-Xylenes | | <0.00402 0.00402 | <0.00399 0.00399 | <0.00402 0.00402 | <0.00402 0.00402 | <0.00404 0.00404 | <0.00404 0.00404 |
| o-Xylene | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00201 0.00201 | <0.00202 0.00202 | <0.00202 0.00202 |
| Total Xylenes | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00201 0.00201 | <0.00202 0.00202 | <0.00202 0.00202 |
| Total BTEX | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00201 0.00201 | <0.00202 0.00202 | <0.00202 0.00202 |
| Chloride by EPA 300 | <i>Extracted:</i> | Jan-07-20 17:00 | Jan-07-20 17:30 | Jan-07-20 17:30 | Jan-07-20 17:30 | Jan-07-20 17:30 | Jan-07-20 17:30 |
| | <i>Analyzed:</i> | Jan-07-20 21:53 | Jan-07-20 22:26 | Jan-07-20 22:43 | Jan-07-20 22:49 | Jan-07-20 22:55 | Jan-07-20 23:01 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 5860 50.3 | 805 9.88 | 366 9.98 | 13.5 9.88 | 15.7 10.1 | 10.6 10.1 |
| TPH By SW8015 Mod | <i>Extracted:</i> | Jan-08-20 12:45 | Jan-08-20 12:45 | Jan-08-20 12:45 | Jan-08-20 12:45 | Jan-08-20 12:45 | Jan-08-20 12:45 |
| | <i>Analyzed:</i> | Jan-08-20 17:28 | Jan-08-20 18:08 | Jan-08-20 18:08 | Jan-08-20 18:28 | Jan-08-20 18:28 | Jan-08-20 18:48 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.2 50.2 | <50.2 50.2 | <50.0 50.0 | <50.0 50.0 | <50.2 50.2 | <50.3 50.3 |
| Diesel Range Organics (DRO) | | <50.2 50.2 | <50.2 50.2 | <50.0 50.0 | <50.0 50.0 | <50.2 50.2 | <50.3 50.3 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.2 50.2 | <50.2 50.2 | <50.0 50.0 | <50.0 50.0 | <50.2 50.2 | <50.3 50.3 |
| Total TPH | | <50.2 50.2 | <50.2 50.2 | <50.0 50.0 | <50.0 50.0 | <50.2 50.2 | <50.3 50.3 |

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Holly Taylor
Project Manager



Certificate of Analysis Summary 648193

EOG Resources, Midland, TX

Project Name: Galaxy Yarrow

Project Id: 212C-MD-01982

Contact: James Kennedy

Project Location: Lea Co, NM

Date Received in Lab: Tue Jan-07-20 03:41 pm

Report Date: 10-JAN-20

Project Manager: Holly Taylor

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 648193-025 | 648193-026 | | | | |
|------------------------------------|-------------------|------------------|--------------------|--|--|--|--|
| | <i>Field Id:</i> | AH#11 (0-1') | Back ground (0-1') | | | | |
| | <i>Depth:</i> | 0-1 ft | 0-1 ft | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | | | | |
| | <i>Sampled:</i> | Jan-07-20 00:00 | Jan-07-20 00:00 | | | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | Jan-07-20 17:30 | Jan-07-20 17:30 | | | | |
| | <i>Analyzed:</i> | Jan-07-20 22:54 | Jan-07-20 23:14 | | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | | | |
| Benzene | | <0.00198 0.00198 | <0.00200 0.00200 | | | | |
| Toluene | | <0.00198 0.00198 | <0.00200 0.00200 | | | | |
| Ethylbenzene | | <0.00198 0.00198 | <0.00200 0.00200 | | | | |
| m,p-Xylenes | | <0.00397 0.00397 | <0.00401 0.00401 | | | | |
| o-Xylene | | <0.00198 0.00198 | <0.00200 0.00200 | | | | |
| Total Xylenes | | <0.00198 0.00198 | <0.00200 0.00200 | | | | |
| Total BTEX | | <0.00198 0.00198 | <0.00200 0.00200 | | | | |
| Chloride by EPA 300 | <i>Extracted:</i> | Jan-07-20 17:30 | Jan-07-20 17:30 | | | | |
| | <i>Analyzed:</i> | Jan-07-20 23:07 | Jan-07-20 23:13 | | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | | | |
| Chloride | | 10.5 10.0 | <10.0 10.0 | | | | |
| TPH By SW8015 Mod | <i>Extracted:</i> | Jan-08-20 12:45 | Jan-08-20 12:45 | | | | |
| | <i>Analyzed:</i> | Jan-08-20 18:48 | Jan-08-20 19:08 | | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | | | |
| Gasoline Range Hydrocarbons (GRO) | | <50.2 50.2 | <50.1 50.1 | | | | |
| Diesel Range Organics (DRO) | | <50.2 50.2 | <50.1 50.1 | | | | |
| Motor Oil Range Hydrocarbons (MRO) | | <50.2 50.2 | <50.1 50.1 | | | | |
| Total TPH | | <50.2 50.2 | <50.1 50.1 | | | | |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 648193

for EOG Resources

Project Manager: James Kennedy

Galaxy Yarrow

212C-MD-01982

10-JAN-20

Collected By: Client



**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)

Xenco-Carlsbad (LELAP): Louisiana (05092)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Tampa: Florida (E87429), North Carolina (483)



10-JAN-20

Project Manager: **James Kennedy**

EOG Resources

PO Box 2267

Midland, TX 79707

Reference: XENCO Report No(s): **648193**

Galaxy Yarrow

Project Address: Lea Co, NM

James Kennedy:

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) 648193. 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. 648193 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor

Project Manager

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

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



Sample Cross Reference 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|----------------|--------------|---------------|
| AH#1 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-001 |
| AH#1 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-002 |
| AH#1 (1.5-2') | S | 01-07-20 00:00 | 1.5 - 2 ft | 648193-003 |
| AH#2 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-004 |
| AH#2 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-005 |
| AH#2 (2-2.5') | S | 01-07-20 00:00 | 2 - 2.5 ft | 648193-006 |
| AH#2 (3-3.5') | S | 01-07-20 00:00 | 3 - 3.5 ft | 648193-007 |
| AH#3 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-008 |
| AH#3 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-009 |
| AH#4 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-010 |
| AH#4 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-011 |
| AH#4 (2-2.5') | S | 01-07-20 00:00 | 2 - 2.5 ft | 648193-012 |
| AH#5 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-013 |
| AH#5 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-014 |
| AH#5 (2-2.5') | S | 01-07-20 00:00 | 2 - 2.5 ft | 648193-015 |
| AH#6 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-016 |
| AH#6 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-017 |
| AH#7 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-018 |
| AH#7 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-019 |
| AH#8 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-020 |
| AH#8 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-021 |
| AH#9 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-022 |
| AH#9 (1-1.5') | S | 01-07-20 00:00 | 1 - 1.5 ft | 648193-023 |
| AH#10 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-024 |
| AH#11 (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-025 |
| Back ground (0-1') | S | 01-07-20 00:00 | 0 - 1 ft | 648193-026 |



CASE NARRATIVE

Client Name: EOG Resources

Project Name: Galaxy Yarrow

Project ID: 212C-MD-01982
Work Order Number(s): 648193

Report Date: 10-JAN-20
Date Received: 01/07/2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3112568 BTEX by EPA 8021B

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

Batch: LBA-3112579 BTEX by EPA 8021B

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



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#1 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-001 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 4360 | 100 | mg/kg | 01.07.20 19.39 | | 10 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.07.20 22.43 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.07.20 22.43 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.07.20 22.43 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.07.20 22.43 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 119 | % | 70-135 | 01.07.20 22.43 | |
| o-Terphenyl | 84-15-1 | 122 | % | 70-135 | 01.07.20 22.43 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: AH#1 (0-1')

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-001

Date Collected: 01.07.20 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 18.17

Basis: Wet Weight

Seq Number: 3112579

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|---------|--------------|----------------|----------------------|-------------|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.08.20 00.41 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.08.20 00.41 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.08.20 00.41 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00399 | 0.00399 | mg/kg | 01.08.20 00.41 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.08.20 00.41 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.08.20 00.41 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.08.20 00.41 | U | 1 |
| Surrogate | Cas Number | % Recovery | | Units | Limits | Analysis Date | Flag |
| 1,4-Difluorobenzene | 540-36-3 | 99 | | % | 70-130 | 01.08.20 00.41 | |
| 4-Bromofluorobenzene | 460-00-4 | 100 | | % | 70-130 | 01.08.20 00.41 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#1 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-002 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 2780 | 100 | mg/kg | 01.07.20 19.45 | | 10 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.1 | 50.1 | mg/kg | 01.07.20 22.43 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.1 | 50.1 | mg/kg | 01.07.20 22.43 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.1 | 50.1 | mg/kg | 01.07.20 22.43 | U | 1 |
| Total TPH | PHC635 | <50.1 | 50.1 | mg/kg | 01.07.20 22.43 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-135 | 01.07.20 22.43 | |
| o-Terphenyl | 84-15-1 | 115 | % | 70-135 | 01.07.20 22.43 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#1 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-002 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 18.17 Basis: Wet Weight
 Seq Number: 3112579

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 01.08.20 00.59 | U | 1 |
| Toluene | 108-88-3 | <0.00199 | 0.00199 | mg/kg | 01.08.20 00.59 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 01.08.20 00.59 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 01.08.20 00.59 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 01.08.20 00.59 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 01.08.20 00.59 | U | 1 |
| Total BTEX | | <0.00199 | 0.00199 | mg/kg | 01.08.20 00.59 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 103 | % | 70-130 | 01.08.20 00.59 | | |
| 1,4-Difluorobenzene | 540-36-3 | 101 | % | 70-130 | 01.08.20 00.59 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: AH#1 (1.5-2')

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-003

Date Collected: 01.07.20 00.00

Sample Depth: 1.5 - 2 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 17.00

Basis: Wet Weight

Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 3480 | 101 | mg/kg | 01.07.20 19.50 | | 10 |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#2 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-004 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 824 | 9.98 | mg/kg | 01.07.20 19.56 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.07.20 23.02 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.07.20 23.02 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.07.20 23.02 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.07.20 23.02 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 120 | % | 70-135 | 01.07.20 23.02 | |
| o-Terphenyl | 84-15-1 | 123 | % | 70-135 | 01.07.20 23.02 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#2 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-004 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|---------|--------------|----------------|----------------------|-------------|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 01.08.20 01.16 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 01.08.20 01.16 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 01.08.20 01.16 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 01.08.20 01.16 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 01.08.20 01.16 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 01.08.20 01.16 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 01.08.20 01.16 | U | 1 |
| Surrogate | Cas Number | % Recovery | | Units | Limits | Analysis Date | Flag |
| 1,4-Difluorobenzene | 540-36-3 | 99 | | % | 70-130 | 01.08.20 01.16 | |
| 4-Bromofluorobenzene | 460-00-4 | 102 | | % | 70-130 | 01.08.20 01.16 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#2 (1-1.5")** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-005 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 506 | 9.94 | mg/kg | 01.07.20 20.13 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 118 | % | 70-135 | 01.07.20 23.22 | |
| o-Terphenyl | 84-15-1 | 124 | % | 70-135 | 01.07.20 23.22 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#2 (1-1.5") | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-005 | Date Collected: 01.07.20 00.00 | Sample Depth: 1 - 1.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.08.20 01.34 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.08.20 01.34 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.08.20 01.34 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00399 | 0.00399 | mg/kg | 01.08.20 01.34 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.08.20 01.34 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.08.20 01.34 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.08.20 01.34 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 102 | % | 70-130 | 01.08.20 01.34 | | |
| 1,4-Difluorobenzene | 540-36-3 | 98 | % | 70-130 | 01.08.20 01.34 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: AH#2 (2-2.5')

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-006

Date Collected: 01.07.20 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 17.00

Basis: Wet Weight

Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 47.2 | 9.98 | mg/kg | 01.07.20 20.18 | | 1 |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--|--------------------------------|-------------------------------|
| Sample Id: AH#2 (3-3.5') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-007 | Date Collected: 01.07.20 00.00 | Sample Depth: 3 - 3.5 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 17.00 | Basis: Wet Weight |
| Seq Number: 3112583 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 80.8 | 9.92 | mg/kg | 01.07.20 20.24 | | 1 |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#3 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-008 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 488 | 9.90 | mg/kg | 01.07.20 20.29 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.07.20 23.22 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 112 | % | 70-135 | 01.07.20 23.22 | |
| o-Terphenyl | 84-15-1 | 117 | % | 70-135 | 01.07.20 23.22 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#3 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-008 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00198 | 0.00198 | mg/kg | 01.08.20 01.51 | U | 1 |
| Toluene | 108-88-3 | <0.00198 | 0.00198 | mg/kg | 01.08.20 01.51 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00198 | 0.00198 | mg/kg | 01.08.20 01.51 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00397 | 0.00397 | mg/kg | 01.08.20 01.51 | U | 1 |
| o-Xylene | 95-47-6 | <0.00198 | 0.00198 | mg/kg | 01.08.20 01.51 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00198 | 0.00198 | mg/kg | 01.08.20 01.51 | U | 1 |
| Total BTEX | | <0.00198 | 0.00198 | mg/kg | 01.08.20 01.51 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 104 | % | 70-130 | 01.08.20 01.51 | | |
| 1,4-Difluorobenzene | 540-36-3 | 100 | % | 70-130 | 01.08.20 01.51 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#3 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-009 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 59.2 | 9.98 | mg/kg | 01.07.20 20.35 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.9 | 49.9 | mg/kg | 01.07.20 23.42 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.9 | 49.9 | mg/kg | 01.07.20 23.42 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.9 | 49.9 | mg/kg | 01.07.20 23.42 | U | 1 |
| Total TPH | PHC635 | <49.9 | 49.9 | mg/kg | 01.07.20 23.42 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 122 | % | 70-135 | 01.07.20 23.42 | |
| o-Terphenyl | 84-15-1 | 124 | % | 70-135 | 01.07.20 23.42 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#3 (1-1.5') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-009 | Date Collected: 01.07.20 00.00 | Sample Depth: 1 - 1.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.08.20 02.08 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.08.20 02.08 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.08.20 02.08 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00399 | 0.00399 | mg/kg | 01.08.20 02.08 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.08.20 02.08 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.08.20 02.08 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.08.20 02.08 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 103 | % | 70-130 | 01.08.20 02.08 | | |
| 1,4-Difluorobenzene | 540-36-3 | 99 | % | 70-130 | 01.08.20 02.08 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#4 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-010 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 24.0 | 9.96 | mg/kg | 01.07.20 20.41 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.07.20 23.42 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.07.20 23.42 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.07.20 23.42 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.07.20 23.42 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 113 | % | 70-135 | 01.07.20 23.42 | |
| o-Terphenyl | 84-15-1 | 120 | % | 70-135 | 01.07.20 23.42 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#4 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-010 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|---------|--------------|----------------|----------------------|-------------|
| Benzene | 71-43-2 | <0.00198 | 0.00198 | mg/kg | 01.08.20 02.26 | U | 1 |
| Toluene | 108-88-3 | <0.00198 | 0.00198 | mg/kg | 01.08.20 02.26 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00198 | 0.00198 | mg/kg | 01.08.20 02.26 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00396 | 0.00396 | mg/kg | 01.08.20 02.26 | U | 1 |
| o-Xylene | 95-47-6 | <0.00198 | 0.00198 | mg/kg | 01.08.20 02.26 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00198 | 0.00198 | mg/kg | 01.08.20 02.26 | U | 1 |
| Total BTEX | | <0.00198 | 0.00198 | mg/kg | 01.08.20 02.26 | U | 1 |
| Surrogate | Cas Number | % Recovery | | Units | Limits | Analysis Date | Flag |
| 1,4-Difluorobenzene | 540-36-3 | 99 | | % | 70-130 | 01.08.20 02.26 | |
| 4-Bromofluorobenzene | 460-00-4 | 102 | | % | 70-130 | 01.08.20 02.26 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#4 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-011 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 27.5 | 9.92 | mg/kg | 01.07.20 20.57 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 00.01 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 00.01 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 00.01 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 00.01 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 122 | % | 70-135 | 01.08.20 00.01 | |
| o-Terphenyl | 84-15-1 | 122 | % | 70-135 | 01.08.20 00.01 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#4 (1-1.5') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-011 | Date Collected: 01.07.20 00.00 | Sample Depth: 1 - 1.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00197 | 0.00197 | mg/kg | 01.08.20 02.43 | U | 1 |
| Toluene | 108-88-3 | <0.00197 | 0.00197 | mg/kg | 01.08.20 02.43 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00197 | 0.00197 | mg/kg | 01.08.20 02.43 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00394 | 0.00394 | mg/kg | 01.08.20 02.43 | U | 1 |
| o-Xylene | 95-47-6 | <0.00197 | 0.00197 | mg/kg | 01.08.20 02.43 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00197 | 0.00197 | mg/kg | 01.08.20 02.43 | U | 1 |
| Total BTEX | | <0.00197 | 0.00197 | mg/kg | 01.08.20 02.43 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 101 | % | 70-130 | 01.08.20 02.43 | | |
| 4-Bromofluorobenzene | 460-00-4 | 103 | % | 70-130 | 01.08.20 02.43 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: AH#4 (2-2.5')

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-012

Date Collected: 01.07.20 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 17.00

Basis: Wet Weight

Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 10.2 | 10.0 | mg/kg | 01.07.20 21.03 | | 1 |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#5 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-013 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 1430 | 50.1 | mg/kg | 01.07.20 21.20 | | 5 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.8 | 49.8 | mg/kg | 01.08.20 00.01 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.8 | 49.8 | mg/kg | 01.08.20 00.01 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.8 | 49.8 | mg/kg | 01.08.20 00.01 | U | 1 |
| Total TPH | PHC635 | <49.8 | 49.8 | mg/kg | 01.08.20 00.01 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-135 | 01.08.20 00.01 | |
| o-Terphenyl | 84-15-1 | 116 | % | 70-135 | 01.08.20 00.01 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#5 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-013 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.01 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.01 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.01 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00399 | 0.00399 | mg/kg | 01.08.20 03.01 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.01 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.01 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.01 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 108 | % | 70-130 | 01.08.20 03.01 | | |
| 1,4-Difluorobenzene | 540-36-3 | 101 | % | 70-130 | 01.08.20 03.01 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#5 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-014 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 122 | 9.96 | mg/kg | 01.07.20 21.25 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 121 | % | 70-135 | 01.08.20 00.21 | |
| o-Terphenyl | 84-15-1 | 122 | % | 70-135 | 01.08.20 00.21 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: AH#5 (1-1.5')

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-014

Date Collected: 01.07.20 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 18.17

Basis: Wet Weight

Seq Number: 3112579

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.18 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.18 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.18 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00401 | 0.00401 | mg/kg | 01.08.20 03.18 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.18 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.18 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.08.20 03.18 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 106 | % | 70-130 | 01.08.20 03.18 | | |
| 1,4-Difluorobenzene | 540-36-3 | 100 | % | 70-130 | 01.08.20 03.18 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#5 (2-2.5')**

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-015

Date Collected: 01.07.20 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 17.00

Basis: Wet Weight

Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 61.9 | 9.98 | mg/kg | 01.07.20 21.31 | | 1 |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#6 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-016 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 6890 | 49.6 | mg/kg | 01.07.20 21.36 | | 5 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 00.21 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-135 | 01.08.20 00.21 | |
| o-Terphenyl | 84-15-1 | 116 | % | 70-135 | 01.08.20 00.21 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#6 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-016 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-----------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00198 | 0.00198 | mg/kg | 01.08.20 04.27 | U | 1 |
| Toluene | 108-88-3 | <0.00198 | 0.00198 | mg/kg | 01.08.20 04.27 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00198 | 0.00198 | mg/kg | 01.08.20 04.27 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00395 | 0.00395 | mg/kg | 01.08.20 04.27 | U | 1 |
| o-Xylene | 95-47-6 | <0.00198 | 0.00198 | mg/kg | 01.08.20 04.27 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00198 | 0.00198 | mg/kg | 01.08.20 04.27 | U | 1 |
| Total BTEX | | <0.00198 | 0.00198 | mg/kg | 01.08.20 04.27 | U | 1 |
| | | | % | | | | |
| Surrogate | Cas Number | Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 100 | % | 70-130 | 01.08.20 04.27 | | |
| 1,4-Difluorobenzene | 540-36-3 | 99 | % | 70-130 | 01.08.20 04.27 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#6 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-017 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 6270 | 49.9 | mg/kg | 01.07.20 21.42 | | 5 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 123 | % | 70-135 | 01.08.20 00.40 | |
| o-Terphenyl | 84-15-1 | 125 | % | 70-135 | 01.08.20 00.40 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: AH#6 (1-1.5')

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-017

Date Collected: 01.07.20 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 18.17

Basis: Wet Weight

Seq Number: 3112579

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00202 | 0.00202 | mg/kg | 01.08.20 04.45 | U | 1 |
| Toluene | 108-88-3 | <0.00202 | 0.00202 | mg/kg | 01.08.20 04.45 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00202 | 0.00202 | mg/kg | 01.08.20 04.45 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00404 | 0.00404 | mg/kg | 01.08.20 04.45 | U | 1 |
| o-Xylene | 95-47-6 | <0.00202 | 0.00202 | mg/kg | 01.08.20 04.45 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00202 | 0.00202 | mg/kg | 01.08.20 04.45 | U | 1 |
| Total BTEX | | <0.00202 | 0.00202 | mg/kg | 01.08.20 04.45 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 108 | % | 70-130 | 01.08.20 04.45 | | |
| 1,4-Difluorobenzene | 540-36-3 | 102 | % | 70-130 | 01.08.20 04.45 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#7 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-018 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 5900 | 49.8 | mg/kg | 01.07.20 21.47 | | 5 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.07.20 17.20 Basis: Wet Weight
 Seq Number: 3112591

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 00.40 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 117 | % | 70-135 | 01.08.20 00.40 | |
| o-Terphenyl | 84-15-1 | 120 | % | 70-135 | 01.08.20 00.40 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#7 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-018 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.02 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.02 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.02 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 01.08.20 05.02 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.02 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.02 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.02 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 102 | % | 70-130 | 01.08.20 05.02 | | |
| 4-Bromofluorobenzene | 460-00-4 | 108 | % | 70-130 | 01.08.20 05.02 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#7 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-019 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.00 Basis: Wet Weight
 Seq Number: 3112583

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 5860 | 50.3 | mg/kg | 01.07.20 21.53 | | 5 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 17.28 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 17.28 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 17.28 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 17.28 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 117 | % | 70-135 | 01.08.20 17.28 | |
| o-Terphenyl | 84-15-1 | 118 | % | 70-135 | 01.08.20 17.28 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#7 (1-1.5') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-019 | Date Collected: 01.07.20 00.00 | Sample Depth: 1 - 1.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.20 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.20 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.20 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 01.08.20 05.20 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.20 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.20 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.20 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 102 | % | 70-130 | 01.08.20 05.20 | | |
| 4-Bromofluorobenzene | 460-00-4 | 107 | % | 70-130 | 01.08.20 05.20 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#8 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-020 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 805 | 9.88 | mg/kg | 01.07.20 22.26 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 18.08 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 18.08 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 18.08 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 18.08 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 121 | % | 70-135 | 01.08.20 18.08 | |
| o-Terphenyl | 84-15-1 | 127 | % | 70-135 | 01.08.20 18.08 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#8 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-020 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|---------|--------------|----------------|----------------------|-------------|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.08.20 05.37 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.08.20 05.37 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.08.20 05.37 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00399 | 0.00399 | mg/kg | 01.08.20 05.37 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.08.20 05.37 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.08.20 05.37 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.08.20 05.37 | U | 1 |
| Surrogate | Cas Number | % Recovery | | Units | Limits | Analysis Date | Flag |
| 1,4-Difluorobenzene | 540-36-3 | 99 | | % | 70-130 | 01.08.20 05.37 | |
| 4-Bromofluorobenzene | 460-00-4 | 104 | | % | 70-130 | 01.08.20 05.37 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#8 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-021 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 366 | 9.98 | mg/kg | 01.07.20 22.43 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.08.20 18.08 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.08.20 18.08 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.08.20 18.08 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.08.20 18.08 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-135 | 01.08.20 18.08 | |
| o-Terphenyl | 84-15-1 | 117 | % | 70-135 | 01.08.20 18.08 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#8 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-021 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 18.17 Basis: Wet Weight
 Seq Number: 3112579

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.54 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.54 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.54 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 01.08.20 05.54 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.54 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.54 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 01.08.20 05.54 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 103 | % | 70-130 | 01.08.20 05.54 | | |
| 1,4-Difluorobenzene | 540-36-3 | 100 | % | 70-130 | 01.08.20 05.54 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#9 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-022 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 13.5 | 9.88 | mg/kg | 01.07.20 22.49 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 01.08.20 18.28 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 01.08.20 18.28 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 01.08.20 18.28 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 01.08.20 18.28 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 124 | % | 70-135 | 01.08.20 18.28 | |
| o-Terphenyl | 84-15-1 | 124 | % | 70-135 | 01.08.20 18.28 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#9 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-022 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|---------|--------------|----------------|----------------------|-------------|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 01.08.20 06.12 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 01.08.20 06.12 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 01.08.20 06.12 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 01.08.20 06.12 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 01.08.20 06.12 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 01.08.20 06.12 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 01.08.20 06.12 | U | 1 |
| Surrogate | Cas Number | % Recovery | | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | 460-00-4 | 107 | | % | 70-130 | 01.08.20 06.12 | |
| 1,4-Difluorobenzene | 540-36-3 | 102 | | % | 70-130 | 01.08.20 06.12 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#9 (1-1.5')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-023 Date Collected: 01.07.20 00.00 Sample Depth: 1 - 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 15.7 | 10.1 | mg/kg | 01.07.20 22.55 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 18.28 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 18.28 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 18.28 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 18.28 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 118 | % | 70-135 | 01.08.20 18.28 | |
| o-Terphenyl | 84-15-1 | 117 | % | 70-135 | 01.08.20 18.28 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#9 (1-1.5') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-023 | Date Collected: 01.07.20 00.00 | Sample Depth: 1 - 1.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 18.17 | Basis: Wet Weight |
| Seq Number: 3112579 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.29 | U | 1 |
| Toluene | 108-88-3 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.29 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.29 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00404 | 0.00404 | mg/kg | 01.08.20 06.29 | U | 1 |
| o-Xylene | 95-47-6 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.29 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.29 | U | 1 |
| Total BTEX | | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.29 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 101 | % | 70-130 | 01.08.20 06.29 | | |
| 4-Bromofluorobenzene | 460-00-4 | 106 | % | 70-130 | 01.08.20 06.29 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#10 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-024 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 10.6 | 10.1 | mg/kg | 01.07.20 23.01 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.3 | 50.3 | mg/kg | 01.08.20 18.48 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.3 | 50.3 | mg/kg | 01.08.20 18.48 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.3 | 50.3 | mg/kg | 01.08.20 18.48 | U | 1 |
| Total TPH | PHC635 | <50.3 | 50.3 | mg/kg | 01.08.20 18.48 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 122 | % | 70-135 | 01.08.20 18.48 | |
| o-Terphenyl | 84-15-1 | 126 | % | 70-135 | 01.08.20 18.48 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#10 (0-1')**

Matrix: Soil

Date Received: 01.07.20 15.41

Lab Sample Id: 648193-024

Date Collected: 01.07.20 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.07.20 18.17

Basis: Wet Weight

Seq Number: 3112579

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.47 | U | 1 |
| Toluene | 108-88-3 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.47 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.47 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00404 | 0.00404 | mg/kg | 01.08.20 06.47 | U | 1 |
| o-Xylene | 95-47-6 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.47 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.47 | U | 1 |
| Total BTEX | | <0.00202 | 0.00202 | mg/kg | 01.08.20 06.47 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 98 | % | 70-130 | 01.08.20 06.47 | | |
| 4-Bromofluorobenzene | 460-00-4 | 101 | % | 70-130 | 01.08.20 06.47 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **AH#11 (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-025 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | 10.5 | 10.0 | mg/kg | 01.07.20 23.07 | | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 01.08.20 18.48 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 01.08.20 18.48 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 01.08.20 18.48 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 01.08.20 18.48 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 115 | % | 70-135 | 01.08.20 18.48 | |
| o-Terphenyl | 84-15-1 | 118 | % | 70-135 | 01.08.20 18.48 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

| | | |
|--------------------------------------|--------------------------------|-------------------------------|
| Sample Id: AH#11 (0-1') | Matrix: Soil | Date Received: 01.07.20 15.41 |
| Lab Sample Id: 648193-025 | Date Collected: 01.07.20 00.00 | Sample Depth: 0 - 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 01.07.20 17.30 | Basis: Wet Weight |
| Seq Number: 3112568 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00198 | 0.00198 | mg/kg | 01.07.20 22.54 | U | 1 |
| Toluene | 108-88-3 | <0.00198 | 0.00198 | mg/kg | 01.07.20 22.54 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00198 | 0.00198 | mg/kg | 01.07.20 22.54 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00397 | 0.00397 | mg/kg | 01.07.20 22.54 | U | 1 |
| o-Xylene | 95-47-6 | <0.00198 | 0.00198 | mg/kg | 01.07.20 22.54 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00198 | 0.00198 | mg/kg | 01.07.20 22.54 | U | 1 |
| Total BTEX | | <0.00198 | 0.00198 | mg/kg | 01.07.20 22.54 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 100 | % | 70-130 | 01.07.20 22.54 | | |
| 4-Bromofluorobenzene | 460-00-4 | 110 | % | 70-130 | 01.07.20 22.54 | | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **Back ground (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-026 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112586

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride | 16887-00-6 | <10.0 | 10.0 | mg/kg | 01.07.20 23.13 | U | 1 |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 01.08.20 12.45 Basis: Wet Weight
 Seq Number: 3112706

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.1 | 50.1 | mg/kg | 01.08.20 19.08 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.1 | 50.1 | mg/kg | 01.08.20 19.08 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.1 | 50.1 | mg/kg | 01.08.20 19.08 | U | 1 |
| Total TPH | PHC635 | <50.1 | 50.1 | mg/kg | 01.08.20 19.08 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3 | 120 | % | 70-135 | 01.08.20 19.08 | |
| o-Terphenyl | 84-15-1 | 123 | % | 70-135 | 01.08.20 19.08 | |



Certificate of Analytical Results 648193

EOG Resources, Midland, TX

Galaxy Yarrow

Sample Id: **Back ground (0-1')** Matrix: Soil Date Received: 01.07.20 15.41
 Lab Sample Id: 648193-026 Date Collected: 01.07.20 00.00 Sample Depth: 0 - 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 01.07.20 17.30 Basis: Wet Weight
 Seq Number: 3112568

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|---------|--------------|----------------|----------------------|-------------|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 01.07.20 23.14 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 01.07.20 23.14 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 01.07.20 23.14 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00401 | 0.00401 | mg/kg | 01.07.20 23.14 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 01.07.20 23.14 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 01.07.20 23.14 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 01.07.20 23.14 | U | 1 |
| Surrogate | Cas Number | % Recovery | | Units | Limits | Analysis Date | Flag |
| 4-Bromofluorobenzene | 460-00-4 | 101 | | % | 70-130 | 01.07.20 23.14 | |
| 1,4-Difluorobenzene | 540-36-3 | 86 | | % | 70-130 | 01.07.20 23.14 | |



EOG Resources
Galaxy Yarrow

Analytical Method: Chloride by EPA 300

Seq Number: 3112583

MB Sample Id: 7693858-1-BLK

Matrix: Solid

LCS Sample Id: 7693858-1-BKS

Prep Method: E300P

Date Prep: 01.07.20

LCSD Sample Id: 7693858-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Chloride | <10.0 | 250 | 245 | 98 | 246 | 98 | 90-110 | 0 | 20 | mg/kg | 01.07.20 19:11 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3112586

MB Sample Id: 7693859-1-BLK

Matrix: Solid

LCS Sample Id: 7693859-1-BKS

Prep Method: E300P

Date Prep: 01.07.20

LCSD Sample Id: 7693859-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Chloride | <10.0 | 250 | 246 | 98 | 248 | 99 | 90-110 | 1 | 20 | mg/kg | 01.07.20 22:15 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3112583

Parent Sample Id: 648188-008

Matrix: Soil

MS Sample Id: 648188-008 S

Prep Method: E300P

Date Prep: 01.07.20

MSD Sample Id: 648188-008 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride | 1590 | 200 | 1780 | 95 | 1760 | 84 | 90-110 | 1 | 20 | mg/kg | 01.07.20 19:28 | X |

Analytical Method: Chloride by EPA 300

Seq Number: 3112583

Parent Sample Id: 648193-010

Matrix: Soil

MS Sample Id: 648193-010 S

Prep Method: E300P

Date Prep: 01.07.20

MSD Sample Id: 648193-010 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride | 24.0 | 199 | 216 | 96 | 214 | 96 | 90-110 | 1 | 20 | mg/kg | 01.07.20 20:46 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3112586

Parent Sample Id: 648193-020

Matrix: Soil

MS Sample Id: 648193-020 S

Prep Method: E300P

Date Prep: 01.07.20

MSD Sample Id: 648193-020 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride | 805 | 198 | 1010 | 104 | 1010 | 104 | 90-110 | 0 | 20 | mg/kg | 01.07.20 22:32 | |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

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



EOG Resources

Galaxy Yarrow

Analytical Method: TPH By SW8015 Mod

Seq Number: 3112591

MB Sample Id: 7693855-1-BLK

Matrix: Solid

LCS Sample Id: 7693855-1-BKS

Prep Method: SW8015P

Date Prep: 01.07.20

LCSD Sample Id: 7693855-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 1110 | 111 | 1230 | 123 | 70-135 | 10 | 35 | mg/kg | 01.07.20 20:44 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1010 | 101 | 1240 | 124 | 70-135 | 20 | 35 | mg/kg | 01.07.20 20:44 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|----------------|
| 1-Chlorooctane | 86 | | 115 | | 130 | | 70-135 | % | 01.07.20 20:44 |
| o-Terphenyl | 88 | | 92 | | 130 | | 70-135 | % | 01.07.20 20:44 |

Analytical Method: TPH By SW8015 Mod

Seq Number: 3112706

MB Sample Id: 7693906-1-BLK

Matrix: Solid

LCS Sample Id: 7693906-1-BKS

Prep Method: SW8015P

Date Prep: 01.08.20

LCSD Sample Id: 7693906-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 1280 | 128 | 1160 | 116 | 70-135 | 10 | 35 | mg/kg | 01.08.20 17:09 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1240 | 124 | 1040 | 104 | 70-135 | 18 | 35 | mg/kg | 01.08.20 17:09 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|----------------|
| 1-Chlorooctane | 123 | | 130 | | 118 | | 70-135 | % | 01.08.20 17:09 |
| o-Terphenyl | 124 | | 127 | | 90 | | 70-135 | % | 01.08.20 17:09 |

Analytical Method: TPH By SW8015 Mod

Seq Number: 3112591

Matrix: Solid
MB Sample Id: 7693855-1-BLK

Prep Method: SW8015P

Date Prep: 01.07.20

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|----------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 01.08.20 09:58 | |

Analytical Method: TPH By SW8015 Mod

Seq Number: 3112706

Matrix: Solid
MB Sample Id: 7693906-1-BLK

Prep Method: SW8015P

Date Prep: 01.08.20

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|----------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 01.08.20 17:09 | |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result
MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



EOG Resources
Galaxy Yarrow

Analytical Method: TPH By SW8015 Mod

Seq Number: 3112591

Parent Sample Id: 648079-003

Matrix: Soil

MS Sample Id: 648079-003 S

Prep Method: SW8015P

Date Prep: 01.07.20

MSD Sample Id: 648079-003 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.2 | 1000 | 1220 | 122 | 1190 | 119 | 70-135 | 2 | 35 | mg/kg | 01.07.20 21:24 | |
| Diesel Range Organics (DRO) | 204 | 1000 | 1430 | 123 | 1180 | 98 | 70-135 | 19 | 35 | mg/kg | 01.07.20 21:24 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|----------------|
| 1-Chlorooctane | 130 | | 104 | | 70-135 | % | 01.07.20 21:24 |
| o-Terphenyl | 125 | | 100 | | 70-135 | % | 01.07.20 21:24 |

Analytical Method: TPH By SW8015 Mod

Seq Number: 3112706

Parent Sample Id: 648193-019

Matrix: Soil

MS Sample Id: 648193-019 S

Prep Method: SW8015P

Date Prep: 01.08.20

MSD Sample Id: 648193-019 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.1 | 1000 | 1240 | 124 | 1340 | 135 | 70-135 | 8 | 35 | mg/kg | 01.09.20 10:17 | |
| Diesel Range Organics (DRO) | <50.1 | 1000 | 1170 | 117 | 1270 | 128 | 70-135 | 8 | 35 | mg/kg | 01.09.20 10:17 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|----------------|
| 1-Chlorooctane | 108 | | 135 | | 70-135 | % | 01.09.20 10:17 |
| o-Terphenyl | 100 | | 133 | | 70-135 | % | 01.09.20 10:17 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3112568

MB Sample Id: 7693860-1-BLK

Matrix: Solid

LCS Sample Id: 7693860-1-BKS

Prep Method: SW5030B

Date Prep: 01.07.20

LCSD Sample Id: 7693860-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Benzene | <0.00200 | 0.100 | 0.105 | 105 | 0.116 | 116 | 70-130 | 10 | 35 | mg/kg | 01.07.20 12:16 | |
| Toluene | <0.00200 | 0.100 | 0.104 | 104 | 0.114 | 114 | 70-130 | 9 | 35 | mg/kg | 01.07.20 12:16 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.107 | 107 | 0.117 | 117 | 71-129 | 9 | 35 | mg/kg | 01.07.20 12:16 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.214 | 107 | 0.234 | 117 | 70-135 | 9 | 35 | mg/kg | 01.07.20 12:16 | |
| o-Xylene | <0.00200 | 0.100 | 0.107 | 107 | 0.117 | 117 | 71-133 | 9 | 35 | mg/kg | 01.07.20 12:16 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|----------------|
| 1,4-Difluorobenzene | 101 | | 101 | | 103 | | 70-130 | % | 01.07.20 12:16 |
| 4-Bromofluorobenzene | 100 | | 107 | | 106 | | 70-130 | % | 01.07.20 12:16 |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

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



EOG Resources
Galaxy Yarrow

Analytical Method: BTEX by EPA 8021B

Seq Number: 3112579

MB Sample Id: 7693861-1-BLK

Matrix: Solid

LCS Sample Id: 7693861-1-BKS

Prep Method: SW5030B

Date Prep: 01.07.20

LCSD Sample Id: 7693861-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Benzene | <0.00200 | 0.100 | 0.0877 | 88 | 0.0845 | 85 | 70-130 | 4 | 35 | mg/kg | 01.07.20 22:57 | |
| Toluene | <0.00200 | 0.100 | 0.0890 | 89 | 0.0833 | 83 | 70-130 | 7 | 35 | mg/kg | 01.07.20 22:57 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0871 | 87 | 0.0795 | 80 | 71-129 | 9 | 35 | mg/kg | 01.07.20 22:57 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.180 | 90 | 0.163 | 82 | 70-135 | 10 | 35 | mg/kg | 01.07.20 22:57 | |
| o-Xylene | <0.00200 | 0.100 | 0.0878 | 88 | 0.0804 | 80 | 71-133 | 9 | 35 | mg/kg | 01.07.20 22:57 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|----------------|
| 1,4-Difluorobenzene | 100 | | 97 | | 97 | | 70-130 | % | 01.07.20 22:57 |
| 4-Bromofluorobenzene | 97 | | 97 | | 96 | | 70-130 | % | 01.07.20 22:57 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3112568

Parent Sample Id: 648059-021

Matrix: Soil

MS Sample Id: 648059-021 S

Prep Method: SW5030B

Date Prep: 01.07.20

MSD Sample Id: 648059-021 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Benzene | <0.00201 | 0.100 | 0.128 | 128 | 0.0963 | 96 | 70-130 | 28 | 35 | mg/kg | 01.07.20 12:55 | |
| Toluene | <0.00201 | 0.100 | 0.124 | 124 | 0.0923 | 92 | 70-130 | 29 | 35 | mg/kg | 01.07.20 12:55 | |
| Ethylbenzene | <0.00201 | 0.100 | 0.125 | 125 | 0.0897 | 90 | 71-129 | 33 | 35 | mg/kg | 01.07.20 12:55 | |
| m,p-Xylenes | <0.00402 | 0.201 | 0.250 | 124 | 0.178 | 89 | 70-135 | 34 | 35 | mg/kg | 01.07.20 12:55 | |
| o-Xylene | <0.00201 | 0.100 | 0.125 | 125 | 0.0905 | 91 | 71-133 | 32 | 35 | mg/kg | 01.07.20 12:55 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|----------------|
| 1,4-Difluorobenzene | 105 | | 103 | | 70-130 | % | 01.07.20 12:55 |
| 4-Bromofluorobenzene | 109 | | 110 | | 70-130 | % | 01.07.20 12:55 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3112579

Parent Sample Id: 648193-001

Matrix: Soil

MS Sample Id: 648193-001 S

Prep Method: SW5030B

Date Prep: 01.07.20

MSD Sample Id: 648193-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Benzene | <0.00199 | 0.0994 | 0.0863 | 87 | 0.0764 | 77 | 70-130 | 12 | 35 | mg/kg | 01.07.20 23:32 | |
| Toluene | <0.00199 | 0.0994 | 0.0849 | 85 | 0.0758 | 76 | 70-130 | 11 | 35 | mg/kg | 01.07.20 23:32 | |
| Ethylbenzene | <0.00199 | 0.0994 | 0.0804 | 81 | 0.0720 | 72 | 71-129 | 11 | 35 | mg/kg | 01.07.20 23:32 | |
| m,p-Xylenes | <0.00398 | 0.199 | 0.165 | 83 | 0.148 | 74 | 70-135 | 11 | 35 | mg/kg | 01.07.20 23:32 | |
| o-Xylene | <0.00199 | 0.0994 | 0.0805 | 81 | 0.0723 | 72 | 71-133 | 11 | 35 | mg/kg | 01.07.20 23:32 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|----------------|
| 1,4-Difluorobenzene | 101 | | 98 | | 70-130 | % | 01.07.20 23:32 |
| 4-Bromofluorobenzene | 105 | | 99 | | 70-130 | % | 01.07.20 23:32 |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

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

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Page 1 of 3

048793

Client Name: EDG
Project Name: Galaxy Harmon
Site Manager: ~~Clare~~ Gonzalez

Project Location: Lee RD NM
Project #: 213C-MD-01988

Invoice to: EDG - James Kennedy
Receiving Laboratory: Xenco

Sampler Signature: Justin Flores

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|------------|--------|--------|------|---------------------|------------------|--------------|----------------|
| | | YEAR: 2019 | DATE | WATER | SOIL | HCL | HNO ₃ | | |
| AH #1 | (0-11) | | 1-7-20 | X | | | | 1 | N |
| AH #1 | (1-1.5') | | | X | | | | 1 | X |
| AH #2 | (0-11) | | | X | | | | 1 | X |
| AH #2 | (1-1.5') | | | X | | | | 1 | X |
| AH #2 | (2-2.5') | | | X | | | | 1 | X |
| AH #2 | (3-3.5') | | | X | | | | 1 | X |
| AH #3 | (0-1') | | | X | | | | 1 | X |
| AH #3 | (1-1.5') | | | X | | | | 1 | X |
| AH #4 | (0-1') | | | X | | | | 1 | X |

Relinquished by: Justin Flores 1-7-20 15:44
 Received by: [Signature] 1-7-20 15:41

Relinquished by: [Signature]
 Received by: [Signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB USE ONLY

Sample Temperature: 1.20C

REMARKS: STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Analysis Request List:

- BTEX 8021B BTEX 8260B
- TPH TX1005 (Ext to C35)
- TPH 8015M (GRO - DRO - ORO - MRO)
- PAH 8270C
- Total Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Volatiles
- TCLP Semi Volatiles
- RCI
- GC/MS Vol. 8260B / 624
- GC/MS Semi. Vol. 8270C/625
- PCB's 8082 / 608
- NORM
- PLM (Asbestos)
- Chloride
- Chloride Sulfate TDS
- General Water Chemistry (see attached list)
- Anion/Cation Balance

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

901W. Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

248193

Page 2 of 3

Client Name:

EDG

Site Manager:

Chris Gonzalez

Project Name:

Galaxy Harvest

Project Location:

Lea Co, NM

Project #:

212 L-MD-01982

Invoice to:

EDG James Kennedy

Sampler Signature:

Justin Flores

Comments:

XMR

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | |
|-------------------------|-----------------------|------------|--------|--------|-------|---------------------|-----|------------------|-----|--------------|----------------|------|
| | | YEAR: 2019 | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | | | None |
| | AH # 4 (1-1-5'') | | 1-7-20 | | X | | | | | | 1 | N |
| | AH # 4 (2-2.5'') | | | | X | | | | | | 1 | N |
| | AH # 5 (0-1'') | | | | X | | | | | | 1 | N |
| | AH # 5 (1-1.5'') | | | | X | | | | | | 1 | N |
| | AH # 5 (2-2.5'') | | | | X | | | | | | 1 | N |
| | AH # 6 (0-1'') | | | | X | | | | | | 1 | N |
| | AH # 6 (1-1.5'') | | | | X | | | | | | 1 | N |
| | AH # 7 (0-1'') | | | | X | | | | | | 1 | N |
| | AH # 7 (1-1.5'') | | | | X | | | | | | 1 | N |
| | AH # 8 (0-1'') | | | | X | | | | | | 1 | N |

Requested by: *Justin Flores*
 Date: 1-7-20 Time: 15:41

Requested by: *Justin Flores*
 Date: 1-7-20 Time: 15:41

Requested by: _____
 Date: _____ Time: _____

Received by: _____
 Date: _____ Time: _____

Received by: _____
 Date: 1/7/20 Time: 15:41

Received by: _____
 Date: _____ Time: _____

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 1-2

| ANALYSIS REQUEST (Circle or Specify Method No.) | |
|--|---|
| <input type="checkbox"/> | BTEX 8021B BTEX 8260B |
| <input type="checkbox"/> | TPH TX1005 (Ext to C35) |
| <input type="checkbox"/> | TPH 8015M (GRO - DRO - ORO - MRO) |
| <input type="checkbox"/> | PAH 8270C |
| <input type="checkbox"/> | Total Metals Ag As Ba Cd Cr Pb Se Hg |
| <input type="checkbox"/> | TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| <input type="checkbox"/> | TCLP Volatiles |
| <input type="checkbox"/> | TCLP Semi Volatiles |
| <input type="checkbox"/> | RCI |
| <input type="checkbox"/> | GC/MS Vol. 8260B / 624 |
| <input type="checkbox"/> | GC/MS Semi. Vol. 8270C/625 |
| <input type="checkbox"/> | PCB's 8082 / 608 |
| <input type="checkbox"/> | NORM |
| <input type="checkbox"/> | PLM (Asbestos) |
| <input checked="" type="checkbox"/> | Chloride |
| <input type="checkbox"/> | Chloride Sulfate TDS |
| <input type="checkbox"/> | General Water Chemistry (see attached list) |
| <input type="checkbox"/> | Anion/Cation Balance |
| <input type="checkbox"/> | Hold |

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Page

3 of 3

448193

Client Name: EOG Site Manager: Clarice Gonzalez

Project Name: Galaxy Harrow Project #: 218C-MD-01982

Project Location: Lea Co, NM (county, state)

Invoice to: EOG James Kennedy

Receiving Laboratory: Xenon Sampler Signature: Justin Flores

Comments:

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) |
|-------------------------|-----------------------|-----------|--------|--------|-------|---------------------|-----|--------------|----------------|---|
| | | YEAR-2019 | DATE | TIME | WATER | SOIL | HCL | | | |
| | AH # 8 (1-1.5') | | 1.7.20 | | X | | | 1 | N | BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance |
| | AH # 9 (0-1.1') | | | | X | | | 1 | N | |
| | AH # 9 (1-1.5') | | | | X | | | 1 | N | |
| | AH # 10 (0-1.1') | | | | X | | | 1 | N | |
| | AH # 11 (0-1.1') | | | | X | | | 1 | N | |
| | BACK ground (0-1.1') | | | | X | | | 1 | N | |

Requested by: Justin Flores Date: 1.7.20 Time: 15:41 Received by: [Signature] Date: 1.7.20 Time: 15:41

Requested by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Requested by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 1.2

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: EOG Resources

Date/ Time Received: 01/07/2020 03:41:00 PM

Work Order #: 648193


Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T-NM-007

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.2 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | Yes |
| #5 Custody Seals intact on sample bottles? | Yes |
| #6*Custody Seals Signed and dated? | Yes |
| #7 *Chain of Custody present? | Yes |
| #8 Any missing/extra samples? | No |
| #9 Chain of Custody signed when relinquished/ received? | Yes |
| #10 Chain of Custody agrees with sample labels/matrix? | Yes |
| #11 Container label(s) legible and intact? | Yes |
| #12 Samples in proper container/ bottle? | Yes |
| #13 Samples properly preserved? | Yes |
| #14 Sample container(s) intact? | Yes |
| #15 Sufficient sample amount for indicated test(s)? | Yes |
| #16 All samples received within hold time? | Yes |
| #17 Subcontract of sample(s)? | No |
| #18 Water VOC samples have zero headspace? | N/A |

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

Analyst:

PH Device/Lot#:

Checklist completed by:  Date: 01/07/2020
Elizabeth McClellan

Checklist reviewed by:  Date: 01/09/2020
Holly Taylor



Analytical Report 659272

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Galaxy to Yarrow

212C-MD-01982

04.30.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



04.30.2020

Project Manager: **Mike Carmona**

Tetra Tech- Midland

901 West Wall ST

Midland, TX 79701

Reference: XENCO Report No(s): **659272**

Galaxy to Yarrow

Project Address: Lea County, New Mexico

Mike Carmona:

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) 659272. 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. 659272 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 659272

Tetra Tech- Midland, Midland, TX

Galaxy to Yarrow

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------------|--------|------------------|--------------|---------------|
| Bottomhole-1 comp 2' | S | 04.20.2020 00:00 | | 659272-001 |
| Bottomhole-2 comp 2' | S | 04.20.2020 00:00 | | 659272-002 |
| Bottomhole-3 comp 2' | S | 04.20.2020 00:00 | | 659272-003 |
| Bottomhole-4 comp 2' | S | 04.20.2020 00:00 | | 659272-004 |
| Bottomhole-5 comp 2' | S | 04.20.2020 00:00 | | 659272-005 |
| Bottomhole-6 comp 2' | S | 04.20.2020 00:00 | | 659272-006 |
| Bottomhole-7 comp 3' | S | 04.20.2020 00:00 | | 659272-007 |
| Bottomhole-8 comp 3' | S | 04.20.2020 00:00 | | 659272-008 |
| Bottomhole-9 comp 3' | S | 04.20.2020 00:00 | | 659272-009 |
| Bottomhole-10 comp 3' | S | 04.20.2020 00:00 | | 659272-010 |
| Bottomhole-11 comp 3' | S | 04.20.2020 00:00 | | 659272-011 |
| Bottomhole-12 comp 3' | S | 04.20.2020 00:00 | | 659272-012 |
| Bottomhole-13 comp 3' | S | 04.20.2020 00:00 | | 659272-013 |
| Bottomhole-14 comp 3' | S | 04.20.2020 00:00 | | 659272-014 |
| Bottomhole-15 comp 3' | S | 04.20.2020 00:00 | | 659272-015 |
| Bottomhole-16 comp 3' | S | 04.20.2020 00:00 | | 659272-016 |
| Bottomhole-17 comp 3' | S | 04.20.2020 00:00 | | 659272-017 |
| Bottomhole-18 comp 3' | S | 04.20.2020 00:00 | | 659272-018 |
| Bottomhole-19 comp 3' | S | 04.20.2020 00:00 | | 659272-019 |
| Bottomhole-20 comp 3' | S | 04.20.2020 00:00 | | 659272-020 |
| Bottomhole-21 comp 3' | S | 04.20.2020 00:00 | | 659272-021 |
| Bottomhole-22 comp 3' | S | 04.20.2020 00:00 | | 659272-022 |
| Bottomhole-23 comp 3' | S | 04.20.2020 00:00 | | 659272-023 |
| Bottomhole-24 comp 3' | S | 04.20.2020 00:00 | | 659272-024 |
| Bottomhole-25 comp 3' | S | 04.20.2020 00:00 | | 659272-025 |
| Bottomhole-26 comp 3' | S | 04.20.2020 00:00 | | 659272-026 |
| Bottomhole-27 comp 3' | S | 04.20.2020 00:00 | | 659272-027 |
| Bottomhole-28 comp 3' | S | 04.20.2020 00:00 | | 659272-028 |
| Bottomhole-29 comp 3' | S | 04.20.2020 00:00 | | 659272-029 |
| Bottomhole-30 comp 3' | S | 04.20.2020 00:00 | | 659272-030 |
| Bottomhole-31 comp 3' | S | 04.20.2020 00:00 | | 659272-031 |
| Bottomhole-32 comp 3' | S | 04.20.2020 00:00 | | 659272-032 |
| Bottomhole-33 comp 3' | S | 04.20.2020 00:00 | | 659272-033 |
| Bottomhole-34 comp 3' | S | 04.20.2020 00:00 | | 659272-034 |
| Bottomhole-35 comp 3' | S | 04.20.2020 00:00 | | 659272-035 |
| Bottomhole-36 comp 3' | S | 04.20.2020 00:00 | | 659272-036 |
| Bottomhole-37 comp 3' | S | 04.20.2020 00:00 | | 659272-037 |
| Bottomhole-38 comp 3' | S | 04.20.2020 00:00 | | 659272-038 |
| Bottomhole-39 comp 3' | S | 04.20.2020 00:00 | | 659272-039 |
| Bottomhole-40 comp 4' | S | 04.20.2020 00:00 | | 659272-040 |
| Bottomhole-41 comp 4' | S | 04.20.2020 00:00 | | 659272-041 |
| Bottomhole-42 comp 4' | S | 04.20.2020 00:00 | | 659272-042 |
| Bottomhole-43 comp 4' | S | 04.20.2020 00:00 | | 659272-043 |



Sample Cross Reference 659272

Tetra Tech- Midland, Midland, TX

Galaxy to Yarrow

| | | | |
|-----------------------|---|------------------|------------|
| Bottomhole-44 comp 4' | S | 04.20.2020 00:00 | 659272-044 |
| Bottomhole-45 comp 4' | S | 04.20.2020 00:00 | 659272-045 |
| Bottomhole-46 comp 4' | S | 04.20.2020 00:00 | 659272-046 |
| Bottomhole-47 comp 4' | S | 04.20.2020 00:00 | 659272-047 |
| Bottomhole-48 comp 4' | S | 04.20.2020 00:00 | 659272-048 |
| Bottomhole-49 comp 4' | S | 04.20.2020 00:00 | 659272-049 |
| Bottomhole-50 comp 4' | S | 04.20.2020 00:00 | 659272-050 |
| Bottomhole-51 comp 4' | S | 04.20.2020 00:00 | 659272-051 |
| Bottomhole-52 comp 4' | S | 04.20.2020 00:00 | 659272-052 |
| Bottomhole-53 comp 4' | S | 04.20.2020 00:00 | 659272-053 |
| Bottomhole-54 comp 4' | S | 04.20.2020 00:00 | 659272-054 |
| Bottomhole-55 comp 4' | S | 04.20.2020 00:00 | 659272-055 |
| Bottomhole-56 comp 4' | S | 04.20.2020 00:00 | 659272-056 |
| Bottomhole-57 comp 4' | S | 04.20.2020 00:00 | 659272-057 |
| Bottomhole-58 comp 4' | S | 04.20.2020 00:00 | 659272-058 |
| Bottomhole-59 comp 4' | S | 04.20.2020 00:00 | 659272-059 |
| Bottomhole-60 comp 4' | S | 04.20.2020 00:00 | 659272-060 |
| Bottomhole-61 comp 4' | S | 04.20.2020 00:00 | 659272-061 |
| Bottomhole-62 comp 4' | S | 04.20.2020 00:00 | 659272-062 |
| Bottomhole-63 comp 4' | S | 04.20.2020 00:00 | 659272-063 |
| Bottomhole-64 comp 4' | S | 04.20.2020 00:00 | 659272-064 |
| Bottomhole-65 comp 4' | S | 04.20.2020 00:00 | 659272-065 |
| Bottomhole-66 comp 4' | S | 04.20.2020 00:00 | 659272-066 |
| Bottomhole-67 comp 4' | S | 04.20.2020 00:00 | 659272-067 |
| Bottomhole-68 comp 4' | S | 04.20.2020 00:00 | 659272-068 |
| Bottomhole-69 comp 4' | S | 04.20.2020 00:00 | 659272-069 |
| Bottomhole-70 comp 4' | S | 04.20.2020 00:00 | 659272-070 |
| Bottomhole-71 comp 4' | S | 04.20.2020 00:00 | 659272-071 |
| Bottomhole-72 comp 4' | S | 04.20.2020 00:00 | 659272-072 |
| Bottomhole-73 comp 4' | S | 04.20.2020 00:00 | 659272-073 |
| Bottomhole-74 comp 4' | S | 04.20.2020 00:00 | 659272-074 |
| Bottomhole-75 comp 4' | S | 04.20.2020 00:00 | 659272-075 |
| Bottomhole-76 comp 4' | S | 04.20.2020 00:00 | 659272-076 |
| Bottomhole-77 comp 4' | S | 04.20.2020 00:00 | 659272-077 |
| Bottomhole-78 comp 4' | S | 04.20.2020 00:00 | 659272-078 |
| Bottomhole-79 comp 4' | S | 04.20.2020 00:00 | 659272-079 |
| Bottomhole-80 comp 4' | S | 04.20.2020 00:00 | 659272-080 |
| Bottomhole-81 comp 4' | S | 04.20.2020 00:00 | 659272-081 |
| Bottomhole-82 comp 4' | S | 04.20.2020 00:00 | 659272-082 |
| Bottomhole-83 comp 4' | S | 04.20.2020 00:00 | 659272-083 |
| Bottomhole-84 comp 4' | S | 04.20.2020 00:00 | 659272-084 |
| Bottomhole-85 comp 4' | S | 04.20.2020 00:00 | 659272-085 |
| Bottomhole-86 comp 4' | S | 04.20.2020 00:00 | 659272-086 |
| NSW-1 comp 2' | S | 04.20.2020 00:00 | 659272-087 |



Sample Cross Reference 659272

Tetra Tech- Midland, Midland, TX

Galaxy to Yarrow

| | | | |
|----------------|---|------------------|------------|
| NSW-2 comp 3' | S | 04.20.2020 00:00 | 659272-088 |
| NSW-3 comp 4' | S | 04.20.2020 00:00 | 659272-089 |
| NSW-4 comp 4' | S | 04.20.2020 00:00 | 659272-090 |
| WSW-1 Comp 2' | S | 04.20.2020 00:00 | 659272-091 |
| WSW-2 Comp 3' | S | 04.20.2020 00:00 | 659272-092 |
| WSW-3 Comp 3' | S | 04.20.2020 00:00 | 659272-093 |
| WSW-4 Comp 3' | S | 04.20.2020 00:00 | 659272-094 |
| WSW-5 Comp 3' | S | 04.20.2020 00:00 | 659272-095 |
| WSW-6 Comp 4' | S | 04.20.2020 00:00 | 659272-096 |
| WSW-7 Comp 4' | S | 04.20.2020 00:00 | 659272-097 |
| WSW-8 Comp 4' | S | 04.20.2020 00:00 | 659272-098 |
| WSW-9 Comp 4' | S | 04.20.2020 00:00 | 659272-099 |
| WSW-10 Comp 4' | S | 04.20.2020 00:00 | 659272-100 |
| WSW-11 Comp 4' | S | 04.20.2020 00:00 | 659272-101 |
| WSW-12 Comp 4' | S | 04.20.2020 00:00 | 659272-102 |
| ESW-1 comp 4' | S | 04.20.2020 00:00 | 659272-103 |
| ESW-2 comp 4' | S | 04.20.2020 00:00 | 659272-104 |
| ESW-3 comp 4' | S | 04.20.2020 00:00 | 659272-105 |
| ESW-4 comp 4' | S | 04.20.2020 00:00 | 659272-106 |
| ESW-5 comp 4' | S | 04.20.2020 00:00 | 659272-107 |
| ESW-6 comp 4' | S | 04.20.2020 00:00 | 659272-108 |
| ESW-7 comp 4' | S | 04.20.2020 00:00 | 659272-109 |
| ESW-8 comp 4' | S | 04.20.2020 00:00 | 659272-110 |
| ESW-9 comp 4" | S | 04.20.2020 00:00 | 659272-111 |
| ESW-10 comp 4' | S | 04.20.2020 00:00 | 659272-112 |
| ESW-11 comp 4' | S | 04.20.2020 00:00 | 659272-113 |
| WES-12 comp 4' | S | 04.20.2020 00:00 | 659272-114 |
| ESW-13 comp 4' | S | 04.20.2020 00:00 | 659272-115 |
| SSW-1 comp 2' | S | 04.20.2020 00:00 | 659272-116 |
| SSW-2 comp 3' | S | 04.20.2020 00:00 | 659272-117 |
| SSW-3 comp 4' | S | 04.20.2020 00:00 | 659272-118 |



CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Galaxy to Yarrow

Project ID: 212C-MD-01982
Work Order Number(s): 659272

Report Date: 04.30.2020
Date Received: 04.20.2020

Sample receipt non conformances and comments:

V1.001 Revision (client email) Corrected typos for Bottomhole 24 and Bottomhole 65. JK 04/30/20

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3123695 BTEX by SW 8260C

Surrogate Dibromofluoromethane recovered above QC limits. This surrogate is not associated with target compounds.

Samples affected are: 659272-053,659272-055,659272-054.

Batch: LBA-3123798 BTEX by SW 8260C

Lab Sample ID 659272-021 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 659272-021, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, -036, -037, -038, -039, -040.

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



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-001 | 659272-002 | 659272-003 | 659272-004 | 659272-005 | 659272-006 |
|--|-------------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-1 comp 2' | Bottomhole-2 comp 2' | Bottomhole-3 comp 2' | Bottomhole-4 comp 2' | Bottomhole-5 comp 2' | Bottomhole-6 comp 2' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 18:00 | 04.23.2020 10:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 |
| | <i>Analyzed:</i> | 04.23.2020 08:16 | 04.23.2020 10:48 | 04.22.2020 22:11 | 04.22.2020 22:32 | 04.22.2020 22:53 | 04.23.2020 07:55 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00100 0.00100 | <0.00100 0.00100 | <0.000984 0.000984 | <0.000980 0.000980 | <0.00101 0.00101 | <0.000998 0.000998 |
| Toluene | | <0.00502 0.00502 | <0.00501 0.00501 | <0.00492 0.00492 | <0.00490 0.00490 | <0.00503 0.00503 | <0.00499 0.00499 |
| Ethylbenzene | | <0.00100 0.00100 | <0.00100 0.00100 | <0.000984 0.000984 | <0.000980 0.000980 | <0.00101 0.00101 | <0.000998 0.000998 |
| m,p-Xylenes | | <0.00201 0.00201 | <0.00200 0.00200 | <0.00197 0.00197 | <0.00196 0.00196 | <0.00201 0.00201 | <0.00200 0.00200 |
| o-Xylene | | <0.00100 0.00100 | <0.00100 0.00100 | <0.000984 0.000984 | <0.000980 0.000980 | <0.00101 0.00101 | <0.000998 0.000998 |
| Total Xylenes | | <0.00100 0.00100 | <0.00100 0.00100 | <0.000984 0.000984 | <0.000980 0.000980 | <0.00101 0.00101 | <0.000998 0.000998 |
| Total BTEX | | <0.00100 0.00100 | <0.00100 0.00100 | <0.000984 0.000984 | <0.000980 0.000980 | <0.00101 0.00101 | <0.000998 0.000998 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 |
| | <i>Analyzed:</i> | 04.21.2020 14:48 | 04.21.2020 15:10 | 04.21.2020 15:17 | 04.21.2020 15:25 | 04.21.2020 15:32 | 04.21.2020 15:55 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 33.9 9.96 | 32.1 9.84 | 67.1 9.88 | 45.9 9.98 | 129 10.1 | 161 10.0 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:27 | 04.21.2020 12:36 | 04.21.2020 12:39 | 04.21.2020 12:42 | 04.21.2020 12:45 | 04.21.2020 12:48 |
| | <i>Analyzed:</i> | 04.21.2020 16:21 | 04.21.2020 17:41 | 04.21.2020 18:01 | 04.21.2020 18:21 | 04.21.2020 18:40 | 04.21.2020 19:00 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.8 49.8 | <50.2 50.2 | <50.1 50.1 | <50.2 50.2 | <50.0 50.0 | <50.1 50.1 |
| Diesel Range Organics (DRO) | | <49.8 49.8 | <50.2 50.2 | <50.1 50.1 | <50.2 50.2 | <50.0 50.0 | <50.1 50.1 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.8 49.8 | <50.2 50.2 | <50.1 50.1 | <50.2 50.2 | <50.0 50.0 | <50.1 50.1 |
| Total TPH | | <49.8 49.8 | <50.2 50.2 | <50.1 50.1 | <50.2 50.2 | <50.0 50.0 | <50.1 50.1 |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-007 | 659272-008 | 659272-009 | 659272-010 | 659272-011 | 659272-012 |
|--|-------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-7 comp 3' | Bottomhole-8 comp 3' | Bottomhole-9 comp 3' | Bottomhole-10 comp 3' | Bottomhole-11 comp 3' | Bottomhole-12 comp 3' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.23.2020 10:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 |
| | <i>Analyzed:</i> | 04.23.2020 11:06 | 04.23.2020 05:08 | 04.23.2020 05:29 | 04.23.2020 05:50 | 04.23.2020 06:11 | 04.23.2020 06:32 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00100 0.00100 | <0.000996 0.000996 | <0.000996 0.000996 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 |
| Toluene | | <0.00501 0.00501 | <0.00498 0.00498 | <0.00498 0.00498 | <0.00508 0.00508 | <0.00504 0.00504 | <0.00504 0.00504 |
| Ethylbenzene | | <0.00100 0.00100 | <0.000996 0.000996 | <0.000996 0.000996 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 |
| m,p-Xylenes | | <0.00200 0.00200 | <0.00199 0.00199 | <0.00199 0.00199 | <0.00203 0.00203 | <0.00202 0.00202 | <0.00202 0.00202 |
| o-Xylene | | <0.00100 0.00100 | <0.000996 0.000996 | <0.000996 0.000996 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 |
| Total Xylenes | | <0.00100 0.00100 | <0.000996 0.000996 | <0.000996 0.000996 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 |
| Total BTEX | | <0.00100 0.00100 | <0.000996 0.000996 | <0.000996 0.000996 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 |
| | <i>Analyzed:</i> | 04.21.2020 16:02 | 04.21.2020 16:09 | 04.21.2020 16:17 | 04.21.2020 16:24 | 04.21.2020 16:32 | 04.21.2020 16:54 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 103 9.96 | 47.0 9.88 | 166 10.2 | 40.1 10.1 | 352 10.0 | 63.7 9.84 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:51 | 04.21.2020 12:54 | 04.21.2020 12:57 | 04.21.2020 13:00 | 04.21.2020 13:03 | 04.21.2020 13:06 |
| | <i>Analyzed:</i> | 04.21.2020 19:20 | 04.21.2020 19:39 | 04.21.2020 19:59 | 04.21.2020 20:19 | 04.22.2020 13:54 | 04.22.2020 15:54 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.0 50.0 | <49.4 49.4 | <50.0 50.0 | <50.1 50.1 | <50.4 50.4 | <49.6 49.6 |
| Diesel Range Organics (DRO) | | <50.0 50.0 | <49.4 49.4 | <50.0 50.0 | <50.1 50.1 | <50.4 50.4 | <49.6 49.6 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.0 50.0 | <49.4 49.4 | <50.0 50.0 | <50.1 50.1 | <50.4 50.4 | <49.6 49.6 |
| Total TPH | | <50.0 50.0 | <49.4 49.4 | <50.0 50.0 | <50.1 50.1 | <50.4 50.4 | <49.6 49.6 |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-013 | 659272-014 | 659272-015 | 659272-016 | 659272-017 | 659272-018 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-13 comp 3' | Bottomhole-14 comp 3' | Bottomhole-15 comp 3' | Bottomhole-16 comp 3' | Bottomhole-17 comp 3' | Bottomhole-18 comp 3' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 |
| | <i>Analyzed:</i> | 04.23.2020 06:53 | 04.23.2020 07:13 | 04.23.2020 07:34 | 04.22.2020 20:27 | 04.22.2020 20:48 | 04.22.2020 21:08 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00101 0.00101 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000990 0.000990 |
| Toluene | | <0.00504 0.00504 | <0.00499 0.00499 | <0.00502 0.00502 | <0.00499 0.00499 | <0.00504 0.00504 | <0.00495 0.00495 |
| Ethylbenzene | | <0.00101 0.00101 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000990 0.000990 |
| m,p-Xylenes | | <0.00202 0.00202 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00198 0.00198 |
| o-Xylene | | <0.00101 0.00101 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000990 0.000990 |
| Total Xylenes | | <0.00101 0.00101 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000990 0.000990 |
| Total BTEX | | <0.00101 0.00101 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000990 0.000990 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 12:40 |
| | <i>Analyzed:</i> | 04.21.2020 17:01 | 04.21.2020 17:26 | 04.21.2020 17:34 | 04.21.2020 17:41 | 04.21.2020 17:49 | 04.21.2020 17:56 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 252 10.0 | 41.8 10.2 | 40.9 10.1 | 404 10.1 | 239 9.96 | 51.5 9.84 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:09 | 04.21.2020 13:12 | 04.21.2020 13:15 | 04.21.2020 13:18 | 04.21.2020 13:21 | 04.21.2020 13:24 |
| | <i>Analyzed:</i> | 04.22.2020 14:34 | 04.22.2020 14:54 | 04.22.2020 15:14 | 04.22.2020 15:34 | 04.22.2020 16:14 | 04.22.2020 17:15 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.1 50.1 | <50.4 50.4 | <49.9 49.9 | <49.9 49.9 | <49.4 49.4 | <50.1 50.1 |
| Diesel Range Organics (DRO) | | <50.1 50.1 | <50.4 50.4 | <49.9 49.9 | <49.9 49.9 | <49.4 49.4 | <50.1 50.1 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.1 50.1 | <50.4 50.4 | <49.9 49.9 | <49.9 49.9 | <49.4 49.4 | <50.1 50.1 |
| Total TPH | | <50.1 50.1 | <50.4 50.4 | <49.9 49.9 | <49.9 49.9 | <49.4 49.4 | <50.1 50.1 |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-019 | 659272-020 | 659272-021 | 659272-022 | 659272-023 | 659272-024 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-19 comp 3' | Bottomhole-20 comp 3' | Bottomhole-21 comp 3' | Bottomhole-22 comp 3' | Bottomhole-23 comp 3' | Bottomhole-24 comp 3' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 |
| | <i>Analyzed:</i> | 04.22.2020 21:29 | 04.22.2020 21:50 | 04.22.2020 11:25 | 04.22.2020 11:46 | 04.22.2020 12:04 | 04.22.2020 12:23 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000988 0.000988 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000978 0.000978 | <0.000994 0.000994 | <0.00101 0.00101 |
| Toluene | | <0.00494 0.00494 | <0.00499 0.00499 | <0.00504 0.00504 | <0.00489 0.00489 | <0.00497 0.00497 | <0.00506 0.00506 |
| Ethylbenzene | | <0.000988 0.000988 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000978 0.000978 | <0.000994 0.000994 | <0.00101 0.00101 |
| m,p-Xylenes | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00196 0.00196 | <0.00199 0.00199 | <0.00202 0.00202 |
| o-Xylene | | <0.000988 0.000988 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000978 0.000978 | <0.000994 0.000994 | <0.00101 0.00101 |
| Total Xylenes | | <0.000988 0.000988 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000978 0.000978 | <0.000994 0.000994 | <0.00101 0.00101 |
| Total BTEX | | <0.000988 0.000988 | <0.000998 0.000998 | <0.00101 0.00101 | <0.000978 0.000978 | <0.000994 0.000994 | <0.00101 0.00101 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:40 | 04.21.2020 12:40 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 |
| | <i>Analyzed:</i> | 04.21.2020 18:03 | 04.21.2020 18:11 | 04.21.2020 12:35 | 04.21.2020 13:01 | 04.21.2020 13:09 | 04.21.2020 13:18 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 68.5 9.82 | 57.0 9.94 | 146 9.96 | 145 9.84 | 83.7 9.88 | 112 10.2 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:27 | 04.21.2020 13:30 | 04.21.2020 12:42 | 04.21.2020 12:51 | 04.21.2020 12:54 | 04.21.2020 12:57 |
| | <i>Analyzed:</i> | 04.22.2020 17:15 | 04.22.2020 17:35 | 04.21.2020 18:21 | 04.21.2020 19:20 | 04.21.2020 19:39 | 04.21.2020 19:59 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.5 49.5 | <50.2 50.2 | <49.6 49.6 | <49.7 49.7 | <50.5 50.5 | <49.9 49.9 |
| Diesel Range Organics (DRO) | | <49.5 49.5 | <50.2 50.2 | <49.6 49.6 | <49.7 49.7 | <50.5 50.5 | <49.9 49.9 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.5 49.5 | <50.2 50.2 | <49.6 49.6 | <49.7 49.7 | <50.5 50.5 | <49.9 49.9 |
| Total TPH | | <49.5 49.5 | <50.2 50.2 | <49.6 49.6 | <49.7 49.7 | <50.5 50.5 | <49.9 49.9 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-025 | 659272-026 | 659272-027 | 659272-028 | 659272-029 | 659272-030 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-25 comp 3' | Bottomhole-26 comp 3' | Bottomhole-27 comp 3' | Bottomhole-28 comp 3' | Bottomhole-29 comp 3' | Bottomhole-30 comp 3' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 |
| | <i>Analyzed:</i> | 04.22.2020 12:41 | 04.22.2020 12:59 | 04.22.2020 13:18 | 04.22.2020 13:36 | 04.22.2020 13:54 | 04.22.2020 14:13 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000982 0.000982 | <0.00100 0.00100 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 | <0.000977 0.000977 |
| Toluene | | <0.00491 0.00491 | <0.00502 0.00502 | <0.00508 0.00508 | <0.00505 0.00505 | <0.00506 0.00506 | <0.00488 0.00488 |
| Ethylbenzene | | <0.000982 0.000982 | <0.00100 0.00100 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 | <0.000977 0.000977 |
| m,p-Xylenes | | <0.00196 0.00196 | <0.00201 0.00201 | <0.00203 0.00203 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00195 0.00195 |
| o-Xylene | | <0.000982 0.000982 | <0.00100 0.00100 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 | <0.000977 0.000977 |
| Total Xylenes | | <0.000982 0.000982 | <0.00100 0.00100 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 | <0.000977 0.000977 |
| Total BTEX | | <0.000982 0.000982 | <0.00100 0.00100 | <0.00102 0.00102 | <0.00101 0.00101 | <0.00101 0.00101 | <0.000977 0.000977 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 |
| | <i>Analyzed:</i> | 04.21.2020 13:27 | 04.21.2020 13:52 | 04.21.2020 14:01 | 04.21.2020 14:09 | 04.21.2020 14:18 | 04.21.2020 14:26 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 41.4 10.1 | 384 10.1 | 160 9.84 | 203 9.96 | 115 10.2 | 38.5 10.1 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:00 | 04.21.2020 13:03 | 04.21.2020 13:06 | 04.21.2020 13:09 | 04.21.2020 13:12 | 04.21.2020 13:15 |
| | <i>Analyzed:</i> | 04.21.2020 20:19 | 04.21.2020 20:58 | 04.21.2020 21:18 | 04.21.2020 21:38 | 04.21.2020 21:57 | 04.21.2020 22:17 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.6 49.6 | <50.5 50.5 | <49.6 49.6 | <50.4 50.4 | <50.0 50.0 | <49.8 49.8 |
| Diesel Range Organics (DRO) | | <49.6 49.6 | <50.5 50.5 | <49.6 49.6 | <50.4 50.4 | <50.0 50.0 | <49.8 49.8 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.6 49.6 | <50.5 50.5 | <49.6 49.6 | <50.4 50.4 | <50.0 50.0 | <49.8 49.8 |
| Total TPH | | <49.6 49.6 | <50.5 50.5 | <49.6 49.6 | <50.4 50.4 | <50.0 50.0 | <49.8 49.8 |

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Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-031 | 659272-032 | 659272-033 | 659272-034 | 659272-035 | 659272-036 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| | <i>Field Id:</i> | Bottomhole-31 comp 3' | Bottomhole-32 comp 3' | Bottomhole-33 comp 3' | Bottomhole-34 comp 3' | Bottomhole-35 comp 3' | Bottomhole-36 comp3' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 |
| | <i>Analyzed:</i> | 04.22.2020 14:31 | 04.22.2020 14:49 | 04.22.2020 15:08 | 04.22.2020 15:26 | 04.22.2020 15:44 | 04.22.2020 16:02 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000992 0.000992 | <0.000996 0.000996 | <0.00101 0.00101 | <0.00102 0.00102 | <0.00101 0.00101 | <0.000982 0.000982 |
| Toluene | | <0.00496 0.00496 | <0.00498 0.00498 | <0.00507 0.00507 | <0.00509 0.00509 | <0.00506 0.00506 | <0.00491 0.00491 |
| Ethylbenzene | | <0.000992 0.000992 | <0.000996 0.000996 | <0.00101 0.00101 | <0.00102 0.00102 | <0.00101 0.00101 | <0.000982 0.000982 |
| m,p-Xylenes | | <0.00198 0.00198 | <0.00199 0.00199 | <0.00203 0.00203 | <0.00204 0.00204 | <0.00202 0.00202 | <0.00196 0.00196 |
| o-Xylene | | <0.000992 0.000992 | <0.000996 0.000996 | <0.00101 0.00101 | <0.00102 0.00102 | <0.00101 0.00101 | <0.000982 0.000982 |
| Total Xylenes | | <0.000992 0.000992 | <0.000996 0.000996 | <0.00101 0.00101 | <0.00102 0.00102 | <0.00101 0.00101 | <0.000982 0.000982 |
| Total BTEX | | <0.000992 0.000992 | <0.000996 0.000996 | <0.00101 0.00101 | <0.00102 0.00102 | <0.00101 0.00101 | <0.000982 0.000982 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 |
| | <i>Analyzed:</i> | 04.21.2020 14:35 | 04.21.2020 15:01 | 04.21.2020 15:09 | 04.21.2020 15:35 | 04.21.2020 15:43 | 04.21.2020 15:52 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 157 10.0 | 106 9.96 | 76.5 9.98 | 92.4 10.0 | 144 9.96 | 139 10.0 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:18 | 04.21.2020 13:21 | 04.21.2020 13:24 | 04.21.2020 13:27 | 04.21.2020 13:30 | 04.21.2020 13:33 |
| | <i>Analyzed:</i> | 04.22.2020 12:14 | 04.21.2020 22:56 | 04.21.2020 23:16 | 04.21.2020 23:36 | 04.21.2020 23:56 | 04.22.2020 00:37 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.3 50.3 | <50.2 50.2 | <50.2 50.2 | <49.8 49.8 | <49.9 49.9 | <50.4 50.4 |
| Diesel Range Organics (DRO) | | <50.3 50.3 | <50.2 50.2 | <50.2 50.2 | <49.8 49.8 | <49.9 49.9 | <50.4 50.4 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.3 50.3 | <50.2 50.2 | <50.2 50.2 | <49.8 49.8 | <49.9 49.9 | <50.4 50.4 |
| Total TPH | | <50.3 50.3 | <50.2 50.2 | <50.2 50.2 | <49.8 49.8 | <49.9 49.9 | <50.4 50.4 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-037 | 659272-038 | 659272-039 | 659272-040 | 659272-041 | 659272-042 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-37 comp 3' | Bottomhole-38 comp 3' | Bottomhole-39 comp 3' | Bottomhole-40 comp 4' | Bottomhole-41 comp 4' | Bottomhole-42 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.22.2020 11:00 | 04.21.2020 17:30 | 04.21.2020 17:30 |
| | <i>Analyzed:</i> | 04.22.2020 16:21 | 04.22.2020 16:39 | 04.22.2020 16:57 | 04.22.2020 17:16 | 04.21.2020 23:32 | 04.21.2020 23:55 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00100 0.00100 | <0.00101 0.00101 | <0.000992 0.000992 | <0.000992 0.000992 | <0.00101 0.00101 | <0.000982 0.000982 |
| Toluene | | <0.00501 0.00501 | <0.00506 0.00506 | <0.00496 0.00496 | <0.00496 0.00496 | <0.00503 0.00503 | <0.00491 0.00491 |
| Ethylbenzene | | <0.00100 0.00100 | <0.00101 0.00101 | <0.000992 0.000992 | <0.000992 0.000992 | <0.00101 0.00101 | <0.000982 0.000982 |
| m,p-Xylenes | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00198 0.00198 | <0.00198 0.00198 | <0.00201 0.00201 | <0.00196 0.00196 |
| o-Xylene | | <0.00100 0.00100 | <0.00101 0.00101 | <0.000992 0.000992 | <0.000992 0.000992 | <0.00101 0.00101 | <0.000982 0.000982 |
| Total Xylenes | | <0.00100 0.00100 | <0.00101 0.00101 | <0.000992 0.000992 | <0.000992 0.000992 | <0.00101 0.00101 | <0.000982 0.000982 |
| Total BTEX | | <0.00100 0.00100 | <0.00101 0.00101 | <0.000992 0.000992 | <0.000992 0.000992 | <0.00101 0.00101 | <0.000982 0.000982 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 11:33 | 04.21.2020 15:02 | 04.21.2020 15:02 |
| | <i>Analyzed:</i> | 04.21.2020 16:01 | 04.21.2020 16:09 | 04.21.2020 16:18 | 04.21.2020 16:26 | 04.21.2020 17:18 | 04.21.2020 17:43 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 150 9.84 | 95.1 9.82 | 77.3 9.98 | 253 10.1 | 39.4 9.96 | 42.9 9.84 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:36 | 04.21.2020 13:39 | 04.21.2020 13:42 | 04.21.2020 13:45 | 04.21.2020 12:57 | 04.21.2020 13:06 |
| | <i>Analyzed:</i> | 04.22.2020 00:57 | 04.22.2020 01:17 | 04.22.2020 01:37 | 04.22.2020 01:56 | 04.22.2020 14:14 | 04.22.2020 15:14 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.2 50.2 | <49.5 49.5 | <50.2 50.2 | <49.5 49.5 | <50.4 50.4 | <49.5 49.5 |
| Diesel Range Organics (DRO) | | <50.2 50.2 | <49.5 49.5 | <50.2 50.2 | <49.5 49.5 | <50.4 50.4 | <49.5 49.5 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.2 50.2 | <49.5 49.5 | <50.2 50.2 | <49.5 49.5 | <50.4 50.4 | <49.5 49.5 |
| Total TPH | | <50.2 50.2 | <49.5 49.5 | <50.2 50.2 | <49.5 49.5 | <50.4 50.4 | <49.5 49.5 |

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Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-043 | 659272-044 | 659272-045 | 659272-046 | 659272-047 | 659272-048 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-43 comp 4' | Bottomhole-44 comp 4' | Bottomhole-45 comp 4' | Bottomhole-46 comp 4' | Bottomhole-47 comp 4' | Bottomhole-48 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 |
| | <i>Analyzed:</i> | 04.22.2020 00:18 | 04.22.2020 00:42 | 04.22.2020 01:05 | 04.22.2020 01:28 | 04.22.2020 01:51 | 04.22.2020 02:15 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00100 0.00100 | <0.000990 0.000990 | <0.00101 0.00101 | <0.000986 0.000986 | <0.00101 0.00101 | <0.00101 0.00101 |
| Toluene | | <0.00502 0.00502 | <0.00495 0.00495 | <0.00507 0.00507 | <0.00493 0.00493 | <0.00506 0.00506 | <0.00507 0.00507 |
| Ethylbenzene | | <0.00100 0.00100 | <0.000990 0.000990 | <0.00101 0.00101 | <0.000986 0.000986 | <0.00101 0.00101 | <0.00101 0.00101 |
| m,p-Xylenes | | <0.00201 0.00201 | <0.00198 0.00198 | <0.00203 0.00203 | <0.00197 0.00197 | <0.00202 0.00202 | <0.00203 0.00203 |
| o-Xylene | | <0.00100 0.00100 | <0.000990 0.000990 | <0.00101 0.00101 | <0.000986 0.000986 | <0.00101 0.00101 | <0.00101 0.00101 |
| Total Xylenes | | <0.00100 0.00100 | <0.000990 0.000990 | <0.00101 0.00101 | <0.000986 0.000986 | <0.00101 0.00101 | <0.00101 0.00101 |
| Total BTEX | | <0.00100 0.00100 | <0.000990 0.000990 | <0.00101 0.00101 | <0.000986 0.000986 | <0.00101 0.00101 | <0.00101 0.00101 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 |
| | <i>Analyzed:</i> | 04.21.2020 17:52 | 04.21.2020 18:01 | 04.21.2020 18:09 | 04.21.2020 18:35 | 04.21.2020 18:43 | 04.21.2020 18:52 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 140 9.88 | 126 9.82 | 54.4 10.1 | 92.6 10.0 | 215 9.96 | 18.7 9.98 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:09 | 04.21.2020 13:12 | 04.21.2020 13:15 | 04.21.2020 13:18 | 04.21.2020 13:21 | 04.21.2020 13:24 |
| | <i>Analyzed:</i> | 04.22.2020 15:34 | 04.22.2020 16:14 | 04.22.2020 18:57 | 04.23.2020 14:38 | 04.22.2020 19:37 | 04.22.2020 19:57 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.4 50.4 | <50.3 50.3 | <49.8 49.8 | <50.3 50.3 | <50.0 50.0 | <49.9 49.9 |
| Diesel Range Organics (DRO) | | <50.4 50.4 | <50.3 50.3 | <49.8 49.8 | <50.3 50.3 | <50.0 50.0 | <49.9 49.9 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.4 50.4 | <50.3 50.3 | <49.8 49.8 | <50.3 50.3 | <50.0 50.0 | <49.9 49.9 |
| Total TPH | | <50.4 50.4 | <50.3 50.3 | <49.8 49.8 | <50.3 50.3 | <50.0 50.0 | <49.9 49.9 |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-049 | 659272-050 | 659272-051 | 659272-052 | 659272-053 | 659272-054 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-49 comp 4' | Bottomhole-50 comp 4' | Bottomhole-51 comp 4' | Bottomhole-52 comp 4' | Bottomhole-53 comp 4' | Bottomhole-54 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 | 04.21.2020 17:30 |
| | <i>Analyzed:</i> | 04.22.2020 02:38 | 04.22.2020 03:01 | 04.22.2020 03:25 | 04.22.2020 03:48 | 04.22.2020 04:11 | 04.22.2020 04:35 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000994 0.000994 | <0.000984 0.000984 |
| Toluene | | <0.00501 0.00501 | <0.00505 0.00505 | <0.00500 0.00500 | <0.00502 0.00502 | <0.00497 0.00497 | <0.00492 0.00492 |
| Ethylbenzene | | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000994 0.000994 | <0.000984 0.000984 |
| m,p-Xylenes | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00199 0.00199 | <0.00197 0.00197 |
| o-Xylene | | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000994 0.000994 | <0.000984 0.000984 |
| Total Xylenes | | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000994 0.000994 | <0.000984 0.000984 |
| Total BTEX | | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000994 0.000994 | <0.000984 0.000984 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 |
| | <i>Analyzed:</i> | 04.21.2020 19:00 | 04.21.2020 19:09 | 04.21.2020 19:17 | 04.21.2020 19:43 | 04.21.2020 19:52 | 04.21.2020 20:17 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 18.2 10.1 | 17.5 10.0 | 18.8 10.0 | 21.7 10.2 | 116 10.0 | 110 10.0 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:27 | 04.21.2020 13:30 | 04.21.2020 13:33 | 04.21.2020 13:36 | 04.21.2020 13:39 | 04.21.2020 13:42 |
| | <i>Analyzed:</i> | 04.22.2020 20:17 | 04.22.2020 20:37 | 04.22.2020 20:57 | 04.22.2020 21:17 | 04.22.2020 21:37 | 04.22.2020 21:57 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.5 49.5 | <50.3 50.3 | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 |
| Diesel Range Organics (DRO) | | <49.5 49.5 | <50.3 50.3 | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.5 49.5 | <50.3 50.3 | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 |
| Total TPH | | <49.5 49.5 | <50.3 50.3 | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 |

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Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-055 | 659272-056 | 659272-057 | 659272-058 | 659272-059 | 659272-060 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-55 comp 4' | Bottomhole-56 comp 4' | Bottomhole-57 comp 4' | Bottomhole-58 comp 4' | Bottomhole-59 comp 4' | Bottomhole-60 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:30 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.22.2020 18:00 | 04.21.2020 10:00 |
| | <i>Analyzed:</i> | 04.22.2020 04:58 | 04.23.2020 03:03 | 04.23.2020 03:24 | 04.23.2020 03:45 | 04.23.2020 04:06 | 04.21.2020 11:03 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000998 0.000998 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 |
| Toluene | | <0.00499 0.00499 | <0.00501 0.00501 | <0.00503 0.00503 | <0.00500 0.00500 | <0.00507 0.00507 | <0.00500 0.00500 |
| Ethylbenzene | | <0.000998 0.000998 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 |
| m,p-Xylenes | | <0.00200 0.00200 | <0.00200 0.00200 | <0.00201 0.00201 | <0.00200 0.00200 | <0.00203 0.00203 | <0.00200 0.00200 |
| o-Xylene | | <0.000998 0.000998 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 |
| Total Xylenes | | <0.000998 0.000998 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 |
| Total BTEX | | <0.000998 0.000998 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 | <0.00101 0.00101 | <0.00100 0.00100 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 | 04.21.2020 15:02 |
| | <i>Analyzed:</i> | 04.21.2020 20:26 | 04.21.2020 20:34 | 04.21.2020 20:43 | 04.21.2020 20:51 | 04.21.2020 21:00 | 04.21.2020 21:09 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 146 9.82 | 140 9.88 | 107 9.94 | 110 9.98 | 185 9.96 | 98.2 10.0 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 13:45 | 04.21.2020 13:48 | 04.21.2020 13:51 | 04.21.2020 13:54 | 04.21.2020 13:57 | 04.21.2020 14:00 |
| | <i>Analyzed:</i> | 04.22.2020 22:37 | 04.22.2020 09:15 | 04.22.2020 09:36 | 04.22.2020 09:55 | 04.22.2020 10:15 | 04.22.2020 10:35 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.5 49.5 | <49.9 49.9 | <49.6 49.6 | <50.4 50.4 | <50.2 50.2 | <50.0 50.0 |
| Diesel Range Organics (DRO) | | <49.5 49.5 | <49.9 49.9 | <49.6 49.6 | <50.4 50.4 | <50.2 50.2 | <50.0 50.0 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.5 49.5 | <49.9 49.9 | <49.6 49.6 | <50.4 50.4 | <50.2 50.2 | <50.0 50.0 |
| Total TPH | | <49.5 49.5 | <49.9 49.9 | <49.6 49.6 | <50.4 50.4 | <50.2 50.2 | <50.0 50.0 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-061 | 659272-062 | 659272-063 | 659272-064 | 659272-065 | 659272-066 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-61 comp 4' | Bottomhole-62 comp 4' | Bottomhole-63 comp 4' | Bottomhole-64 comp 4' | Bottomhole-65 comp 4' | Bottomhole-66 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 10:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 |
| | <i>Analyzed:</i> | 04.21.2020 11:21 | 04.21.2020 14:14 | 04.21.2020 14:32 | 04.21.2020 14:50 | 04.21.2020 15:09 | 04.21.2020 15:27 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 | <0.000996 0.000996 |
| Toluene | | <0.00495 0.00495 | <0.00500 0.00500 | <0.00499 0.00499 | <0.00497 0.00497 | <0.00496 0.00496 | <0.00498 0.00498 |
| Ethylbenzene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 | <0.000996 0.000996 |
| m,p-Xylenes | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00199 0.00199 |
| o-Xylene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 | <0.000996 0.000996 |
| Total Xylenes | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 | <0.000996 0.000996 |
| Total BTEX | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 | <0.000996 0.000996 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 |
| | <i>Analyzed:</i> | 04.21.2020 18:55 | 04.21.2020 19:18 | 04.21.2020 19:25 | 04.21.2020 19:32 | 04.21.2020 19:40 | 04.21.2020 20:02 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 154 9.96 | 95.1 9.88 | 144 10.1 | 169 10.2 | 169 9.82 | 163 9.84 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 14:27 | 04.21.2020 14:36 | 04.21.2020 14:39 | 04.21.2020 14:42 | 04.21.2020 14:45 | 04.21.2020 14:48 |
| | <i>Analyzed:</i> | 04.22.2020 03:16 | 04.22.2020 04:37 | 04.22.2020 04:57 | 04.22.2020 05:17 | 04.22.2020 05:37 | 04.22.2020 05:57 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.7 49.7 | <49.7 49.7 | <49.6 49.6 | <49.7 49.7 | <50.0 50.0 | <50.0 50.0 |
| Diesel Range Organics (DRO) | | <49.7 49.7 | <49.7 49.7 | <49.6 49.6 | <49.7 49.7 | <50.0 50.0 | <50.0 50.0 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.7 49.7 | <49.7 49.7 | <49.6 49.6 | <49.7 49.7 | <50.0 50.0 | <50.0 50.0 |
| Total TPH | | <49.7 49.7 | <49.7 49.7 | <49.6 49.6 | <49.7 49.7 | <50.0 50.0 | <50.0 50.0 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-067 | 659272-068 | 659272-069 | 659272-070 | 659272-071 | 659272-072 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-67 comp 4' | Bottomhole-68 comp 4' | Bottomhole-69 comp 4' | Bottomhole-70 comp 4' | Bottomhole-71 comp 4' | Bottomhole-72 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 |
| | <i>Analyzed:</i> | 04.21.2020 15:46 | 04.21.2020 16:04 | 04.21.2020 16:23 | 04.21.2020 16:41 | 04.21.2020 16:59 | 04.21.2020 17:18 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000992 0.000992 | <0.000992 0.000992 | <0.000996 0.000996 | <0.001000 0.001000 |
| Toluene | | <0.00498 0.00498 | <0.00498 0.00498 | <0.00496 0.00496 | <0.00496 0.00496 | <0.00498 0.00498 | <0.005000 0.005000 |
| Ethylbenzene | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000992 0.000992 | <0.000992 0.000992 | <0.000996 0.000996 | <0.001000 0.001000 |
| m,p-Xylenes | | <0.00199 0.00199 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00198 0.00198 | <0.00199 0.00199 | <0.002000 0.002000 |
| o-Xylene | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000992 0.000992 | <0.000992 0.000992 | <0.000996 0.000996 | <0.001000 0.001000 |
| Total Xylenes | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000992 0.000992 | <0.000992 0.000992 | <0.000996 0.000996 | <0.001000 0.001000 |
| Total BTEX | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000992 0.000992 | <0.000992 0.000992 | <0.000996 0.000996 | <0.001000 0.001000 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 |
| | <i>Analyzed:</i> | 04.21.2020 20:10 | 04.21.2020 20:17 | 04.21.2020 20:24 | 04.21.2020 20:32 | 04.21.2020 20:39 | 04.21.2020 21:02 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 176 9.88 | 166 10.1 | 38.0 10.0 | 38.6 9.94 | 46.7 9.98 | 49.7 10.0 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 14:51 | 04.21.2020 14:54 | 04.21.2020 14:57 | 04.21.2020 15:00 | 04.21.2020 15:03 | 04.21.2020 15:06 |
| | <i>Analyzed:</i> | 04.22.2020 06:17 | 04.22.2020 06:36 | 04.22.2020 06:56 | 04.22.2020 07:15 | 04.22.2020 22:58 | 04.23.2020 09:08 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 | <50.0 50.0 | <50.0 50.0 |
| Diesel Range Organics (DRO) | | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 | <50.0 50.0 | <50.0 50.0 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 | <50.0 50.0 | <50.0 50.0 |
| Total TPH | | <49.5 49.5 | <49.9 49.9 | <49.7 49.7 | <49.6 49.6 | <50.0 50.0 | <50.0 50.0 |

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Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-073 | 659272-074 | 659272-075 | 659272-076 | 659272-077 | 659272-078 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-73 comp 4' | Bottomhole-74 comp 4' | Bottomhole-75 comp 4' | Bottomhole-76 comp 4' | Bottomhole-77 comp 4' | Bottomhole-78 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.21.2020 12:00 | 04.22.2020 18:00 |
| | <i>Analyzed:</i> | 04.21.2020 17:36 | 04.21.2020 17:55 | 04.21.2020 18:13 | 04.21.2020 18:32 | 04.21.2020 18:50 | 04.23.2020 04:26 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000992 0.000992 | <0.00100 0.00100 | <0.00100 0.00100 |
| Toluene | | <0.00495 0.00495 | <0.00500 0.00500 | <0.00499 0.00499 | <0.00496 0.00496 | <0.00500 0.00500 | <0.00500 0.00500 |
| Ethylbenzene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000992 0.000992 | <0.00100 0.00100 | <0.00100 0.00100 |
| m,p-Xylenes | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 |
| o-Xylene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000992 0.000992 | <0.00100 0.00100 | <0.00100 0.00100 |
| Total Xylenes | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000992 0.000992 | <0.00100 0.00100 | <0.00100 0.00100 |
| Total BTEX | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000998 0.000998 | <0.000992 0.000992 | <0.00100 0.00100 | <0.00100 0.00100 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 15:44 |
| | <i>Analyzed:</i> | 04.21.2020 21:09 | 04.21.2020 21:31 | 04.21.2020 21:39 | 04.21.2020 21:46 | 04.21.2020 21:53 | 04.21.2020 22:01 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 125 10.0 | 143 9.82 | 74.5 9.84 | 100 9.88 | 113 10.1 | 51.0 9.96 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:09 | 04.21.2020 15:12 | 04.21.2020 15:15 | 04.21.2020 15:18 | 04.21.2020 15:21 | 04.21.2020 15:24 |
| | <i>Analyzed:</i> | 04.22.2020 23:38 | 04.22.2020 23:58 | 04.23.2020 00:19 | 04.22.2020 11:54 | 04.22.2020 12:14 | 04.22.2020 12:34 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.6 49.6 | <49.8 49.8 | <49.5 49.5 | <50.0 50.0 | <49.7 49.7 | <50.0 50.0 |
| Diesel Range Organics (DRO) | | <49.6 49.6 | <49.8 49.8 | <49.5 49.5 | <50.0 50.0 | <49.7 49.7 | <50.0 50.0 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.6 49.6 | <49.8 49.8 | <49.5 49.5 | <50.0 50.0 | <49.7 49.7 | <50.0 50.0 |
| Total TPH | | <49.6 49.6 | <49.8 49.8 | <49.5 49.5 | <50.0 50.0 | <49.7 49.7 | <50.0 50.0 |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-079 | 659272-080 | 659272-081 | 659272-082 | 659272-083 | 659272-084 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-79 comp 4' | Bottomhole-80 comp 4' | Bottomhole-81 comp 4' | Bottomhole-82 comp 4' | Bottomhole-83 comp 4' | Bottomhole-84 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 15:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 |
| | <i>Analyzed:</i> | 04.23.2020 03:57 | 04.22.2020 00:01 | 04.22.2020 00:19 | 04.22.2020 00:37 | 04.22.2020 00:55 | 04.22.2020 01:14 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 |
| Toluene | | <0.00495 0.00495 | <0.00495 0.00495 | <0.00498 0.00498 | <0.00499 0.00499 | <0.00497 0.00497 | <0.00496 0.00496 |
| Ethylbenzene | | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 |
| m,p-Xylenes | | <0.00198 0.00198 | <0.00198 0.00198 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 |
| o-Xylene | | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 |
| Total Xylenes | | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 |
| Total BTEX | | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 | <0.000998 0.000998 | <0.000994 0.000994 | <0.000992 0.000992 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:44 | 04.21.2020 15:44 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 |
| | <i>Analyzed:</i> | 04.21.2020 22:08 | 04.21.2020 22:16 | 04.21.2020 22:00 | 04.21.2020 22:25 | 04.21.2020 22:34 | 04.21.2020 22:43 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 88.8 9.84 | 102 9.98 | 186 9.98 | 151 10.1 | 130 9.96 | 139 9.82 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:27 | 04.21.2020 15:30 | 04.21.2020 14:42 | 04.21.2020 14:51 | 04.21.2020 14:54 | 04.21.2020 14:57 |
| | <i>Analyzed:</i> | 04.22.2020 13:14 | 04.23.2020 00:39 | 04.22.2020 11:54 | 04.23.2020 09:28 | 04.23.2020 01:39 | 04.23.2020 02:20 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.8 49.8 | <50.0 50.0 | <49.7 49.7 | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 |
| Diesel Range Organics (DRO) | | <49.8 49.8 | <50.0 50.0 | <49.7 49.7 | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.8 49.8 | <50.0 50.0 | <49.7 49.7 | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 |
| Total TPH | | <49.8 49.8 | <50.0 50.0 | <49.7 49.7 | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 |

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Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-085 | 659272-086 | 659272-087 | 659272-088 | 659272-089 | 659272-090 |
|--|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | Bottomhole-85 comp 4' | Bottomhole-86 comp 4' | NSW-1 comp 2' | NSW-2 comp 3' | NSW-3 comp 4' | NSW-4 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 |
| | <i>Analyzed:</i> | 04.22.2020 01:32 | 04.22.2020 01:50 | 04.22.2020 02:09 | 04.22.2020 02:28 | 04.22.2020 02:46 | 04.22.2020 03:04 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000990 0.000990 | <0.000994 0.000994 | <0.000990 0.000990 | <0.000996 0.000996 |
| Toluene | | <0.00498 0.00498 | <0.00498 0.00498 | <0.00495 0.00495 | <0.00497 0.00497 | <0.00495 0.00495 | <0.00498 0.00498 |
| Ethylbenzene | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000990 0.000990 | <0.000994 0.000994 | <0.000990 0.000990 | <0.000996 0.000996 |
| m,p-Xylenes | | <0.00199 0.00199 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00199 0.00199 |
| o-Xylene | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000990 0.000990 | <0.000994 0.000994 | <0.000990 0.000990 | <0.000996 0.000996 |
| Total Xylenes | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000990 0.000990 | <0.000994 0.000994 | <0.000990 0.000990 | <0.000996 0.000996 |
| Total BTEX | | <0.000996 0.000996 | <0.000996 0.000996 | <0.000990 0.000990 | <0.000994 0.000994 | <0.000990 0.000990 | <0.000996 0.000996 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 |
| | <i>Analyzed:</i> | 04.21.2020 22:51 | 04.21.2020 23:17 | 04.21.2020 23:25 | 04.21.2020 23:34 | 04.21.2020 23:42 | 04.21.2020 23:51 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 132 9.84 | 86.7 9.98 | 53.9 10.0 | 39.5 10.1 | 24.8 9.98 | 38.4 9.90 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:00 | 04.21.2020 15:03 | 04.21.2020 15:06 | 04.21.2020 15:09 | 04.21.2020 15:12 | 04.21.2020 15:15 |
| | <i>Analyzed:</i> | 04.23.2020 02:40 | 04.23.2020 03:00 | 04.23.2020 03:21 | 04.23.2020 03:41 | 04.23.2020 04:01 | 04.23.2020 04:21 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 | <49.9 49.9 | <49.7 49.7 | <49.9 49.9 |
| Diesel Range Organics (DRO) | | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 | <49.9 49.9 | <49.7 49.7 | <49.9 49.9 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 | <49.9 49.9 | <49.7 49.7 | <49.9 49.9 |
| Total TPH | | <49.6 49.6 | <49.9 49.9 | <49.8 49.8 | <49.9 49.9 | <49.7 49.7 | <49.9 49.9 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-091 | 659272-092 | 659272-093 | 659272-094 | 659272-095 | 659272-096 |
|--|-------------------|-----------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | WSW-1 Comp 2' | WSW-2 Comp 3' | WSW-3 Comp 3' | WSW-4 Comp 3' | WSW-5 Comp 3' | WSW-6 Comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 |
| | <i>Analyzed:</i> | 04.22.2020 03:23 | 04.22.2020 03:41 | 04.22.2020 04:00 | 04.22.2020 04:18 | 04.22.2020 04:36 | 04.22.2020 04:55 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 |
| Toluene | | <0.00498 0.00498 | <0.00500 0.00500 | <0.00500 0.00500 | <0.00495 0.00495 | <0.00495 0.00495 | <0.00498 0.00498 |
| Ethylbenzene | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 |
| m,p-Xylenes | | <0.00199 0.00199 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00198 0.00198 | <0.00199 0.00199 |
| o-Xylene | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 |
| Total Xylenes | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 |
| Total BTEX | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000990 0.000990 | <0.000990 0.000990 | <0.000996 0.000996 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 |
| | <i>Analyzed:</i> | 04.21.2020 23:59 | 04.22.2020 00:25 | 04.22.2020 00:34 | 04.22.2020 00:59 | 04.22.2020 01:08 | 04.22.2020 01:16 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 62.9 10.0 | 75.5 9.96 | 24.0 10.0 | 41.6 10.0 | 36.6 9.84 | 41.7 9.98 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:18 | 04.21.2020 15:21 | 04.21.2020 15:24 | 04.21.2020 15:27 | 04.21.2020 15:30 | 04.21.2020 15:33 |
| | <i>Analyzed:</i> | 04.23.2020 04:42 | 04.23.2020 05:02 | 04.23.2020 05:22 | 04.23.2020 06:02 | 04.23.2020 06:23 | 04.23.2020 06:43 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <50.0 50.0 | <49.8 49.8 | <49.8 49.8 |
| Diesel Range Organics (DRO) | | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <50.0 50.0 | <49.8 49.8 | <49.8 49.8 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <50.0 50.0 | <49.8 49.8 | <49.8 49.8 |
| Total TPH | | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <50.0 50.0 | <49.8 49.8 | <49.8 49.8 |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-097 | 659272-098 | 659272-099 | 659272-100 | 659272-101 | 659272-102 |
|--|-------------------|-----------------------|---------------------|-----------------------|---------------------|-----------------------|-----------------------|
| | <i>Field Id:</i> | WSW-7 Comp 4' | WSW-8 Comp 4' | WSW-9 Comp 4' | WSW-10 Comp 4' | WSW-11 Comp 4' | WSW-12 Comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.21.2020 16:00 | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 |
| | <i>Analyzed:</i> | 04.22.2020 05:13 | 04.22.2020 05:31 | 04.22.2020 05:50 | 04.22.2020 22:09 | 04.22.2020 22:27 | 04.22.2020 22:46 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000990 0.000990 | <0.00100 0.00100 | <0.000996 0.000996 | <0.000992 0.000992 |
| Toluene | | <0.00495 0.00495 | <0.00500 0.00500 | <0.00495 0.00495 | <0.00500 0.00500 | <0.00498 0.00498 | <0.00496 0.00496 |
| Ethylbenzene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000990 0.000990 | <0.00100 0.00100 | <0.000996 0.000996 | <0.000992 0.000992 |
| m,p-Xylenes | | <0.00198 0.00198 | <0.00200 0.00200 | <0.00198 0.00198 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 |
| o-Xylene | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000990 0.000990 | <0.00100 0.00100 | <0.000996 0.000996 | <0.000992 0.000992 |
| Total Xylenes | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000990 0.000990 | <0.00100 0.00100 | <0.000996 0.000996 | <0.000992 0.000992 |
| Total BTEX | | <0.000990 0.000990 | <0.00100 0.00100 | <0.000990 0.000990 | <0.00100 0.00100 | <0.000996 0.000996 | <0.000992 0.000992 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:09 | 04.21.2020 17:17 | 04.21.2020 17:17 |
| | <i>Analyzed:</i> | 04.22.2020 01:25 | 04.22.2020 01:34 | 04.22.2020 01:42 | 04.22.2020 01:51 | 04.21.2020 23:00 | 04.21.2020 23:23 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 17.7 9.96 | 75.4 9.98 | 18.7 10.1 | 29.2 10.0 | 77.7 9.96 | 130 10.2 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:36 | 04.21.2020 15:39 | 04.21.2020 15:42 | 04.21.2020 15:45 | 04.21.2020 15:03 | 04.21.2020 15:12 |
| | <i>Analyzed:</i> | 04.23.2020 07:03 | 04.23.2020 13:19 | 04.23.2020 14:38 | 04.23.2020 14:18 | 04.23.2020 14:18 | 04.23.2020 14:58 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.8 49.8 | <49.8 49.8 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 |
| Diesel Range Organics (DRO) | | <49.8 49.8 | <49.8 49.8 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.8 49.8 | <49.8 49.8 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 |
| Total TPH | | <49.8 49.8 | <49.8 49.8 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 | <49.9 49.9 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-103 | | 659272-104 | | 659272-105 | | 659272-106 | | 659272-107 | | 659272-108 | |
|--|-------------------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | <i>Field Id:</i> | ESW-1 comp 4' | | ESW-2 comp 4' | | ESW-3 comp 4' | | ESW-4 comp 4' | | ESW-5 comp 4' | | ESW-6 comp 4' | |
| | <i>Depth:</i> | | | | | | | | | | | | |
| | <i>Matrix:</i> | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | <i>Sampled:</i> | 04.20.2020 00:00 | | 04.20.2020 00:00 | | 04.20.2020 00:00 | | 04.20.2020 00:00 | | 04.20.2020 00:00 | | 04.20.2020 00:00 | |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 15:00 | | 04.22.2020 15:00 | | 04.22.2020 15:00 | | 04.22.2020 15:00 | | 04.22.2020 15:00 | | 04.22.2020 15:00 | |
| | <i>Analyzed:</i> | 04.22.2020 23:04 | | 04.22.2020 23:22 | | 04.22.2020 23:40 | | 04.22.2020 23:59 | | 04.23.2020 00:17 | | 04.23.2020 00:35 | |
| | <i>Units/RL:</i> | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Benzene | | <0.00101 | 0.00101 | <0.00096 | 0.00096 | <0.00090 | 0.00090 | <0.00094 | 0.00094 | <0.00096 | 0.00096 | <0.00101 | 0.00101 |
| Toluene | | <0.00503 | 0.00503 | <0.00498 | 0.00498 | <0.00495 | 0.00495 | <0.00497 | 0.00497 | <0.00498 | 0.00498 | <0.00504 | 0.00504 |
| Ethylbenzene | | <0.00101 | 0.00101 | <0.00096 | 0.00096 | <0.00090 | 0.00090 | <0.00094 | 0.00094 | <0.00096 | 0.00096 | <0.00101 | 0.00101 |
| m,p-Xylenes | | <0.00201 | 0.00201 | <0.00199 | 0.00199 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | <0.00199 | 0.00199 | <0.00202 | 0.00202 |
| o-Xylene | | <0.00101 | 0.00101 | <0.00096 | 0.00096 | <0.00090 | 0.00090 | <0.00094 | 0.00094 | <0.00096 | 0.00096 | <0.00101 | 0.00101 |
| Total Xylenes | | <0.00101 | 0.00101 | <0.00096 | 0.00096 | <0.00090 | 0.00090 | <0.00094 | 0.00094 | <0.00096 | 0.00096 | <0.00101 | 0.00101 |
| Total BTEX | | <0.00101 | 0.00101 | <0.00096 | 0.00096 | <0.00090 | 0.00090 | <0.00094 | 0.00094 | <0.00096 | 0.00096 | <0.00101 | 0.00101 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:17 | | 04.21.2020 17:17 | | 04.21.2020 17:17 | | 04.21.2020 17:17 | | 04.21.2020 17:17 | | 04.21.2020 17:17 | |
| | <i>Analyzed:</i> | 04.21.2020 23:30 | | 04.21.2020 23:38 | | 04.21.2020 23:45 | | 04.22.2020 00:07 | | 04.22.2020 00:15 | | 04.22.2020 00:22 | |
| | <i>Units/RL:</i> | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 128 | 10.1 | 63.9 | 9.84 | 134 | 9.88 | 129 | 10.0 | 81.4 | 10.1 | 97.9 | 10.0 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:15 | | 04.21.2020 15:18 | | 04.21.2020 15:21 | | 04.21.2020 15:24 | | 04.21.2020 15:27 | | 04.21.2020 15:30 | |
| | <i>Analyzed:</i> | 04.23.2020 15:17 | | 04.23.2020 15:57 | | 04.23.2020 16:22 | | 04.23.2020 16:42 | | 04.23.2020 18:40 | | 04.23.2020 17:21 | |
| | <i>Units/RL:</i> | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.8 | 49.8 | <50.0 | 50.0 | <50.0 | 50.0 | <50.0 | 50.0 | <49.9 | 49.9 | <49.7 | 49.7 |
| Diesel Range Organics (DRO) | | <49.8 | 49.8 | <50.0 | 50.0 | <50.0 | 50.0 | <50.0 | 50.0 | <49.9 | 49.9 | <49.7 | 49.7 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.8 | 49.8 | <50.0 | 50.0 | <50.0 | 50.0 | <50.0 | 50.0 | <49.9 | 49.9 | <49.7 | 49.7 |
| Total TPH | | <49.8 | 49.8 | <50.0 | 50.0 | <50.0 | 50.0 | <50.0 | 50.0 | <49.9 | 49.9 | <49.7 | 49.7 |

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Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-109 | 659272-110 | 659272-111 | 659272-112 | 659272-113 | 659272-114 |
|--|-------------------|-----------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|
| | <i>Field Id:</i> | ESW-7 comp 4' | ESW-8 comp 4' | ESW-9 comp 4'' | ESW-10 comp 4' | ESW-11 comp 4' | WES-12 comp 4' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 |
| | <i>Analyzed:</i> | 04.23.2020 00:54 | 04.23.2020 01:12 | 04.23.2020 01:30 | 04.23.2020 01:48 | 04.23.2020 02:07 | 04.23.2020 02:25 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000994 0.000994 |
| Toluene | | <0.00498 0.00498 | <0.00501 0.00501 | <0.00500 0.00500 | <0.00499 0.00499 | <0.00500 0.00500 | <0.00497 0.00497 |
| Ethylbenzene | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000994 0.000994 |
| m,p-Xylenes | | <0.00199 0.00199 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |
| o-Xylene | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000994 0.000994 |
| Total Xylenes | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000994 0.000994 |
| Total BTEX | | <0.000996 0.000996 | <0.00100 0.00100 | <0.00100 0.00100 | <0.000998 0.000998 | <0.00100 0.00100 | <0.000994 0.000994 |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:17 | 04.21.2020 17:17 | 04.21.2020 17:17 | 04.21.2020 17:17 | 04.21.2020 17:17 | 04.21.2020 17:17 |
| | <i>Analyzed:</i> | 04.22.2020 00:30 | 04.22.2020 00:37 | 04.22.2020 00:44 | 04.22.2020 01:07 | 04.22.2020 01:14 | 04.22.2020 01:36 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 76.7 9.94 | 75.3 9.82 | 72.0 9.96 | 16.0 10.0 | 37.7 9.96 | 87.3 9.84 |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:33 | 04.21.2020 15:36 | 04.21.2020 15:39 | 04.21.2020 15:42 | 04.21.2020 15:45 | 04.21.2020 15:48 |
| | <i>Analyzed:</i> | 04.23.2020 17:41 | 04.23.2020 18:01 | 04.23.2020 18:20 | 04.23.2020 16:22 | 04.23.2020 16:42 | 04.23.2020 17:01 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Gasoline Range Hydrocarbons (GRO) | | <50.0 50.0 | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <49.7 49.7 | <49.8 49.8 |
| Diesel Range Organics (DRO) | | <50.0 50.0 | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <49.7 49.7 | <49.8 49.8 |
| Motor Oil Range Hydrocarbons (MRO) | | <50.0 50.0 | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <49.7 49.7 | <49.8 49.8 |
| Total TPH | | <50.0 50.0 | <49.8 49.8 | <49.9 49.9 | <49.6 49.6 | <49.7 49.7 | <49.8 49.8 |

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 659272

Tetra Tech- Midland, Midland, TX

Project Name: Galaxy to Yarrow

Project Id: 212C-MD-01982
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Mon 04.20.2020 14:06
Report Date: 04.30.2020 09:25
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659272-115 | 659272-116 | 659272-117 | 659272-118 | | |
|--|-------------------|---------------------|-----------------------|---------------------|-----------------------|--|--|
| | <i>Field Id:</i> | ESW-13 comp 4' | SSW-1 comp 2' | SSW-2 comp 3' | SSW-3 comp 4' | | |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | | |
| | <i>Sampled:</i> | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | 04.20.2020 00:00 | | |
| BTEX by SW 8260C SUB: T104704215-19-30 | <i>Extracted:</i> | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 | 04.22.2020 15:00 | | |
| | <i>Analyzed:</i> | 04.23.2020 02:43 | 04.23.2020 03:02 | 04.23.2020 03:20 | 04.23.2020 03:39 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Benzene | | <0.00100 0.00100 | <0.000996 0.000996 | <0.00100 0.00100 | <0.000992 0.000992 | | |
| Toluene | | <0.00500 0.00500 | <0.00498 0.00498 | <0.00500 0.00500 | <0.00496 0.00496 | | |
| Ethylbenzene | | <0.00100 0.00100 | <0.000996 0.000996 | <0.00100 0.00100 | <0.000992 0.000992 | | |
| m,p-Xylenes | | <0.00200 0.00200 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00198 0.00198 | | |
| o-Xylene | | <0.00100 0.00100 | <0.000996 0.000996 | <0.00100 0.00100 | <0.000992 0.000992 | | |
| Total Xylenes | | <0.00100 0.00100 | <0.000996 0.000996 | <0.00100 0.00100 | <0.000992 0.000992 | | |
| Total BTEX | | <0.00100 0.00100 | <0.000996 0.000996 | <0.00100 0.00100 | <0.000992 0.000992 | | |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 17:17 | 04.21.2020 17:17 | 04.21.2020 17:17 | 04.21.2020 17:17 | | |
| | <i>Analyzed:</i> | 04.22.2020 01:44 | 04.22.2020 01:51 | 04.22.2020 01:59 | 04.22.2020 02:06 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Chloride | | 38.8 9.88 | 40.8 9.96 | 19.4 9.82 | 87.5 9.84 | | |
| TPH By SW8015 Mod SUB: T104704215-19-30 | <i>Extracted:</i> | 04.21.2020 15:51 | 04.21.2020 15:54 | 04.21.2020 15:57 | 04.21.2020 16:00 | | |
| | <i>Analyzed:</i> | 04.23.2020 17:21 | 04.23.2020 17:41 | 04.23.2020 18:01 | 04.23.2020 18:20 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Gasoline Range Hydrocarbons (GRO) | | <50.0 50.0 | <50.0 50.0 | <49.7 49.7 | <49.9 49.9 | | |
| Diesel Range Organics (DRO) | | <50.0 50.0 | <50.0 50.0 | <49.7 49.7 | <49.9 49.9 | | |
| Motor Oil Range Hydrocarbons (MRO) | | <50.0 50.0 | <50.0 50.0 | <49.7 49.7 | <49.9 49.9 | | |
| Total TPH | | <50.0 50.0 | <50.0 50.0 | <49.7 49.7 | <49.9 49.9 | | |

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Jessica Kramer
Project Manager



Form 2 - Surrogate Recoveries

Project Name: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123742

Sample: 659272-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 16:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 89.3 | 99.5 | 90 | 70-135 | |
| o-Terphenyl | 52.7 | 49.8 | 106 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 17:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.1 | 100 | 94 | 70-135 | |
| o-Terphenyl | 54.9 | 50.2 | 109 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 18:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 91.7 | 100 | 92 | 70-135 | |
| o-Terphenyl | 53.3 | 50.1 | 106 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 18:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.6 | 100 | 95 | 70-135 | |
| o-Terphenyl | 55.4 | 50.2 | 110 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-021 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 18:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 111 | 99.1 | 112 | 70-135 | |
| o-Terphenyl | 57.9 | 49.6 | 117 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123742

Sample: 659272-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 18:40

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.6 | 100 | 94 | 70-135 | |
| o-Terphenyl | 54.9 | 50.0 | 110 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:00

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.4 | 100 | 94 | 70-135 | |
| o-Terphenyl | 55.5 | 50.1 | 111 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 92.2 | 100 | 92 | 70-135 | |
| o-Terphenyl | 53.5 | 50.0 | 107 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-022 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 99.3 | 114 | 70-135 | |
| o-Terphenyl | 58.4 | 49.7 | 118 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:39

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 92.1 | 98.8 | 93 | 70-135 | |
| o-Terphenyl | 54.2 | 49.4 | 110 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123745

Sample: 659272-023 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:39

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 101 | 112 | 70-135 | |
| o-Terphenyl | 57.0 | 50.5 | 113 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:59

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.2 | 99.9 | 95 | 70-135 | |
| o-Terphenyl | 55.7 | 50.0 | 111 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-024 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:59

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 112 | 99.8 | 112 | 70-135 | |
| o-Terphenyl | 57.3 | 49.9 | 115 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 20:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.8 | 100 | 98 | 70-135 | |
| o-Terphenyl | 58.0 | 50.1 | 116 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-025 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 20:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 99.2 | 114 | 70-135 | |
| o-Terphenyl | 59.1 | 49.6 | 119 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123745

Sample: 659272-026 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 20:58

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 113 | 101 | 112 | 70-135 | |
| o-Terphenyl | 58.8 | 50.5 | 116 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-027 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 21:18

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 114 | 99.2 | 115 | 70-135 | |
| o-Terphenyl | 59.0 | 49.6 | 119 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-028 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 21:38

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 113 | 101 | 112 | 70-135 | |
| o-Terphenyl | 57.6 | 50.4 | 114 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-029 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 21:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 110 | 100 | 110 | 70-135 | |
| o-Terphenyl | 56.6 | 50.0 | 113 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-030 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 22:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 114 | 99.5 | 115 | 70-135 | |
| o-Terphenyl | 58.9 | 49.8 | 118 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123745

Sample: 659272-032 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 22:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 115 | 100 | 115 | 70-135 | |
| o-Terphenyl | 59.4 | 50.2 | 118 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-033 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 23:16

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 100 | 113 | 70-135 | |
| o-Terphenyl | 58.0 | 50.2 | 116 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-034 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 23:36

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 112 | 99.5 | 113 | 70-135 | |
| o-Terphenyl | 58.1 | 49.8 | 117 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-035 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 23:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 122 | 99.8 | 122 | 70-135 | |
| o-Terphenyl | 61.6 | 49.9 | 123 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-036 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 00:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.9 | 101 | 95 | 70-135 | |
| o-Terphenyl | 49.3 | 50.4 | 98 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123745

Sample: 659272-037 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 00:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 100 | 113 | 70-135 | |
| o-Terphenyl | 58.7 | 50.2 | 117 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-038 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 01:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 111 | 99.0 | 112 | 70-135 | |
| o-Terphenyl | 56.7 | 49.5 | 115 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-039 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 01:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 112 | 100 | 112 | 70-135 | |
| o-Terphenyl | 58.1 | 50.2 | 116 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-040 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 01:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 109 | 99.0 | 110 | 70-135 | |
| o-Terphenyl | 52.0 | 49.5 | 105 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-061 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 03:16

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.4 | 99.4 | 96 | 70-135 | |
| o-Terphenyl | 48.6 | 49.7 | 98 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123749

Sample: 659272-062 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 04:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.1 | 99.4 | 96 | 70-135 | |
| o-Terphenyl | 48.6 | 49.7 | 98 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-063 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 04:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.9 | 99.1 | 100 | 70-135 | |
| o-Terphenyl | 50.4 | 49.6 | 102 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-064 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 05:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.8 | 99.3 | 97 | 70-135 | |
| o-Terphenyl | 49.5 | 49.7 | 100 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-065 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 05:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 100 | 100 | 100 | 70-135 | |
| o-Terphenyl | 50.4 | 50.0 | 101 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-066 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 05:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.2 | 100 | 97 | 70-135 | |
| o-Terphenyl | 49.5 | 50.0 | 99 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123749

Sample: 659272-067 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 06:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 99.1 | 99.0 | 100 | 70-135 | |
| o-Terphenyl | 50.7 | 49.5 | 102 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-068 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 06:36

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 99.5 | 99.8 | 100 | 70-135 | |
| o-Terphenyl | 50.4 | 49.9 | 101 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-069 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 06:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 101 | 99.4 | 102 | 70-135 | |
| o-Terphenyl | 51.5 | 49.7 | 104 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-070 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 07:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 99.2 | 99.1 | 100 | 70-135 | |
| o-Terphenyl | 50.9 | 49.6 | 103 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-056 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 09:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.3 | 99.8 | 94 | 70-135 | |
| o-Terphenyl | 57.7 | 49.9 | 116 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-057 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 09:36

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.5 | 99.2 | 96 | 70-135 | |
| o-Terphenyl | 58.6 | 49.6 | 118 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-058 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 09:55

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.9 | 101 | 95 | 70-135 | |
| o-Terphenyl | 58.8 | 50.4 | 117 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-059 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 10:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.5 | 100 | 95 | 70-135 | |
| o-Terphenyl | 57.0 | 50.2 | 114 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-060 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 10:35

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.3 | 99.9 | 98 | 70-135 | |
| o-Terphenyl | 60.5 | 50.0 | 121 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-076 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 11:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 99.6 | 99.9 | 100 | 70-135 | |
| o-Terphenyl | 49.2 | 50.0 | 98 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123794

Sample: 659272-081 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 11:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 78.8 | 99.4 | 79 | 70-135 | |
| o-Terphenyl | 46.9 | 49.7 | 94 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-031 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 12:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 92.0 | 101 | 91 | 70-135 | |
| o-Terphenyl | 55.7 | 50.3 | 111 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-077 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 12:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.8 | 99.3 | 97 | 70-135 | |
| o-Terphenyl | 47.4 | 49.7 | 95 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-078 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 12:34

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 77.0 | 99.9 | 77 | 70-135 | |
| o-Terphenyl | 44.5 | 50.0 | 89 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-079 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 13:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 76.3 | 99.5 | 77 | 70-135 | |
| o-Terphenyl | 44.0 | 49.8 | 88 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123742

Sample: 659272-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 13:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 117 | 101 | 116 | 70-135 | |
| o-Terphenyl | 61.1 | 50.4 | 121 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-041 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 14:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.0 | 101 | 96 | 70-135 | |
| o-Terphenyl | 58.2 | 50.4 | 115 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 14:34

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 115 | 100 | 115 | 70-135 | |
| o-Terphenyl | 59.1 | 50.1 | 118 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 14:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 116 | 101 | 115 | 70-135 | |
| o-Terphenyl | 60.4 | 50.4 | 120 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 15:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 117 | 99.8 | 117 | 70-135 | |
| o-Terphenyl | 61.5 | 49.9 | 123 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-042 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 15:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 99.4 | 99.0 | 100 | 70-135 | |
| o-Terphenyl | 59.6 | 49.5 | 120 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-016 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 15:34

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 78.4 | 99.8 | 79 | 70-135 | |
| o-Terphenyl | 41.1 | 49.9 | 82 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-043 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 15:34

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 101 | 101 | 100 | 70-135 | |
| o-Terphenyl | 61.4 | 50.4 | 122 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 15:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.2 | 99.2 | 95 | 70-135 | |
| o-Terphenyl | 57.3 | 49.6 | 116 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-017 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 16:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 115 | 98.7 | 117 | 70-135 | |
| o-Terphenyl | 56.9 | 49.4 | 115 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-044 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 16:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.2 | 101 | 96 | 70-135 | |
| o-Terphenyl | 59.0 | 50.3 | 117 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-018 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 17:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 117 | 100 | 117 | 70-135 | |
| o-Terphenyl | 58.2 | 50.1 | 116 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-019 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 17:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 91.1 | 98.9 | 92 | 70-135 | |
| o-Terphenyl | 54.4 | 49.5 | 110 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-020 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 17:35

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 120 | 100 | 120 | 70-135 | |
| o-Terphenyl | 62.9 | 50.2 | 125 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-045 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 18:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 125 | 99.6 | 126 | 70-135 | |
| o-Terphenyl | 64.0 | 49.8 | 129 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-047 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 19:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 71.0 | 100 | 71 | 70-135 | |
| o-Terphenyl | 37.0 | 50.0 | 74 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-048 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 19:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 125 | 99.8 | 125 | 70-135 | |
| o-Terphenyl | 65.7 | 49.9 | 132 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-049 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 20:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 126 | 98.9 | 127 | 70-135 | |
| o-Terphenyl | 66.2 | 49.5 | 134 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-050 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 20:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 126 | 101 | 125 | 70-135 | |
| o-Terphenyl | 66.1 | 50.3 | 131 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-051 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 20:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 124 | 98.9 | 125 | 70-135 | |
| o-Terphenyl | 65.5 | 49.5 | 132 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-052 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 21:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 85.7 | 99.7 | 86 | 70-135 | |
| o-Terphenyl | 44.9 | 49.9 | 90 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-053 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 21:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 125 | 99.4 | 126 | 70-135 | |
| o-Terphenyl | 65.4 | 49.7 | 132 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-054 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 21:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 126 | 99.2 | 127 | 70-135 | |
| o-Terphenyl | 66.0 | 49.6 | 133 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-055 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 22:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 126 | 99.0 | 127 | 70-135 | |
| o-Terphenyl | 66.3 | 49.5 | 134 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-071 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 22:58

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 103 | 100 | 103 | 70-135 | |
| o-Terphenyl | 52.8 | 50.0 | 106 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123749

Sample: 659272-073 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 23:38

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.0 | 99.2 | 99 | 70-135 | |
| o-Terphenyl | 47.0 | 49.6 | 95 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-074 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 23:58

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.4 | 99.5 | 98 | 70-135 | |
| o-Terphenyl | 47.7 | 49.8 | 96 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-075 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 00:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.8 | 99.0 | 96 | 70-135 | |
| o-Terphenyl | 46.5 | 49.5 | 94 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-080 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 00:39

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.5 | 100 | 94 | 70-135 | |
| o-Terphenyl | 45.7 | 50.0 | 91 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-083 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 01:39

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 102 | 99.8 | 102 | 70-135 | |
| o-Terphenyl | 51.5 | 49.9 | 103 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123794

Sample: 659272-084 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 02:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.9 | 99.5 | 96 | 70-135 | |
| o-Terphenyl | 49.0 | 49.8 | 98 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-085 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 02:40

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.1 | 99.2 | 97 | 70-135 | |
| o-Terphenyl | 48.7 | 49.6 | 98 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-086 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 03:00

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 92.6 | 99.7 | 93 | 70-135 | |
| o-Terphenyl | 47.1 | 49.9 | 94 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-087 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 03:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.8 | 99.6 | 98 | 70-135 | |
| o-Terphenyl | 48.2 | 49.8 | 97 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-088 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 03:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.4 | 99.8 | 95 | 70-135 | |
| o-Terphenyl | 46.7 | 49.9 | 94 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123794

Sample: 659272-089 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 04:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.2 | 99.3 | 95 | 70-135 | |
| o-Terphenyl | 46.3 | 49.7 | 93 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-090 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 04:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.8 | 99.8 | 94 | 70-135 | |
| o-Terphenyl | 46.2 | 49.9 | 93 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-091 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 04:42

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 91.4 | 99.6 | 92 | 70-135 | |
| o-Terphenyl | 45.1 | 49.8 | 91 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-092 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 05:02

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.6 | 99.8 | 96 | 70-135 | |
| o-Terphenyl | 46.6 | 49.9 | 93 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-093 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 05:22

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.5 | 99.2 | 95 | 70-135 | |
| o-Terphenyl | 46.9 | 49.6 | 95 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123794

Sample: 659272-094 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 06:02

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 91.4 | 100 | 91 | 70-135 | |
| o-Terphenyl | 45.4 | 50.0 | 91 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-095 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 06:23

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 88.3 | 99.5 | 89 | 70-135 | |
| o-Terphenyl | 43.8 | 49.8 | 88 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-096 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 06:43

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.5 | 99.6 | 96 | 70-135 | |
| o-Terphenyl | 47.4 | 49.8 | 95 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-097 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 07:03

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.7 | 99.6 | 95 | 70-135 | |
| o-Terphenyl | 47.1 | 49.8 | 95 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-072 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 09:08

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 86.1 | 100 | 86 | 70-135 | |
| o-Terphenyl | 51.0 | 50.0 | 102 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123794

Sample: 659272-082 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 09:28

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 82.3 | 99.1 | 83 | 70-135 | |
| o-Terphenyl | 48.3 | 49.6 | 97 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-098 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 13:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 101 | 99.6 | 101 | 70-135 | |
| o-Terphenyl | 51.7 | 49.8 | 104 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-100 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 14:18

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.0 | 99.8 | 94 | 70-135 | |
| o-Terphenyl | 46.2 | 49.9 | 93 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-101 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 14:18

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 81.6 | 99.8 | 82 | 70-135 | |
| o-Terphenyl | 48.3 | 49.9 | 97 | 70-135 | |

Lab Batch #: 3123797

Sample: 659272-046 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 14:38

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 88.3 | 101 | 87 | 70-135 | |
| o-Terphenyl | 54.2 | 50.3 | 108 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123794

Sample: 659272-099 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 14:38

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.6 | 99.8 | 98 | 70-135 | |
| o-Terphenyl | 49.8 | 49.9 | 100 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-102 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 14:58

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.0 | 99.7 | 97 | 70-135 | |
| o-Terphenyl | 49.7 | 49.9 | 100 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-103 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 15:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.1 | 99.6 | 98 | 70-135 | |
| o-Terphenyl | 50.2 | 49.8 | 101 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-104 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 15:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 74.9 | 100 | 75 | 70-135 | |
| o-Terphenyl | 42.6 | 50.0 | 85 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-105 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 16:22

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.6 | 100 | 97 | 70-135 | |
| o-Terphenyl | 47.4 | 50.0 | 95 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123923

Sample: 659272-112 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 16:22

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 76.2 | 99.1 | 77 | 70-135 | |
| o-Terphenyl | 43.8 | 49.6 | 88 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-106 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 16:42

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.3 | 100 | 97 | 70-135 | |
| o-Terphenyl | 47.5 | 50.0 | 95 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-113 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 16:42

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 76.4 | 99.4 | 77 | 70-135 | |
| o-Terphenyl | 43.7 | 49.7 | 88 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-114 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 17:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 79.3 | 99.6 | 80 | 70-135 | |
| o-Terphenyl | 45.7 | 49.8 | 92 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-108 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 17:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.6 | 99.4 | 97 | 70-135 | |
| o-Terphenyl | 48.3 | 49.7 | 97 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123923

Sample: 659272-115 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 17:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 79.4 | 100 | 79 | 70-135 | |
| o-Terphenyl | 45.6 | 50.0 | 91 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-109 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 17:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.8 | 99.9 | 96 | 70-135 | |
| o-Terphenyl | 47.9 | 50.0 | 96 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-116 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 17:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 78.9 | 99.9 | 79 | 70-135 | |
| o-Terphenyl | 45.0 | 50.0 | 90 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-110 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 18:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.3 | 99.6 | 98 | 70-135 | |
| o-Terphenyl | 48.0 | 49.8 | 96 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-117 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 18:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 76.5 | 99.3 | 77 | 70-135 | |
| o-Terphenyl | 44.3 | 49.7 | 89 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123923

Sample: 659272-111 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 18:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.2 | 99.7 | 97 | 70-135 | |
| o-Terphenyl | 48.4 | 49.9 | 97 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-118 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 18:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 77.8 | 99.7 | 78 | 70-135 | |
| o-Terphenyl | 45.1 | 49.9 | 90 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-107 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 18:40

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 91.4 | 99.8 | 92 | 70-135 | |
| o-Terphenyl | 45.2 | 49.9 | 91 | 70-135 | |

Lab Batch #: 3123742

Sample: 7701700-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.21.2020 15:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.0 | 100 | 94 | 70-135 | |
| o-Terphenyl | 56.0 | 50.0 | 112 | 70-135 | |

Lab Batch #: 3123745

Sample: 7701693-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.21.2020 17:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 112 | 100 | 112 | 70-135 | |
| o-Terphenyl | 58.7 | 50.0 | 117 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123749

Sample: 7701695-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 02:16

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 102 | 100 | 102 | 70-135 | |
| o-Terphenyl | 52.5 | 50.0 | 105 | 70-135 | |

Lab Batch #: 3123794

Sample: 7701696-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 10:55

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 79.7 | 100 | 80 | 70-135 | |
| o-Terphenyl | 47.6 | 50.0 | 95 | 70-135 | |

Lab Batch #: 3123797

Sample: 7701694-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 12:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 121 | 100 | 121 | 70-135 | |
| o-Terphenyl | 60.7 | 50.0 | 121 | 70-135 | |

Lab Batch #: 3123923

Sample: 7701698-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 16:55

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 81.4 | 100 | 81 | 70-135 | |
| o-Terphenyl | 48.7 | 50.0 | 97 | 70-135 | |

Lab Batch #: 3123742

Sample: 7701700-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.21.2020 15:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 107 | 100 | 107 | 70-135 | |
| o-Terphenyl | 52.9 | 50.0 | 106 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123745

Sample: 7701693-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.21.2020 17:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 119 | 100 | 119 | 70-135 | |
| o-Terphenyl | 62.0 | 50.0 | 124 | 70-135 | |

Lab Batch #: 3123745

Sample: 7701695-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 02:36

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 111 | 100 | 111 | 70-135 | |
| o-Terphenyl | 57.2 | 50.0 | 114 | 70-135 | |

Lab Batch #: 3123797

Sample: 7701694-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 13:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 130 | 100 | 130 | 70-135 | |
| o-Terphenyl | 66.7 | 50.0 | 133 | 70-135 | |

Lab Batch #: 3123923

Sample: 7701698-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.23.2020 13:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.1 | 100 | 93 | 70-135 | |
| o-Terphenyl | 46.8 | 50.0 | 94 | 70-135 | |

Lab Batch #: 3123794

Sample: 7701696-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.23.2020 13:38

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 115 | 100 | 115 | 70-135 | |
| o-Terphenyl | 59.7 | 50.0 | 119 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123742

Sample: 7701700-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.21.2020 16:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 108 | 100 | 108 | 70-135 | |
| o-Terphenyl | 53.4 | 50.0 | 107 | 70-135 | |

Lab Batch #: 3123745

Sample: 7701693-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.21.2020 18:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 120 | 100 | 120 | 70-135 | |
| o-Terphenyl | 61.9 | 50.0 | 124 | 70-135 | |

Lab Batch #: 3123749

Sample: 7701695-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 02:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 105 | 100 | 105 | 70-135 | |
| o-Terphenyl | 54.1 | 50.0 | 108 | 70-135 | |

Lab Batch #: 3123797

Sample: 7701694-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.22.2020 16:55

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 108 | 100 | 108 | 70-135 | |
| o-Terphenyl | 55.5 | 50.0 | 111 | 70-135 | |

Lab Batch #: 3123794

Sample: 7701696-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.23.2020 12:59

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 133 | 100 | 133 | 70-135 | |
| o-Terphenyl | 67.5 | 50.0 | 135 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123923

Sample: 7701698-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04.23.2020 13:58

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.6 | 100 | 96 | 70-135 | |
| o-Terphenyl | 48.9 | 50.0 | 98 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 16:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 106 | 101 | 105 | 70-135 | |
| o-Terphenyl | 52.1 | 50.4 | 103 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-021 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 18:40

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 120 | 99.6 | 120 | 70-135 | |
| o-Terphenyl | 60.2 | 49.8 | 121 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-061 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 03:37

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 106 | 99.9 | 106 | 70-135 | |
| o-Terphenyl | 53.6 | 50.0 | 107 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-081 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 12:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 91.1 | 99.9 | 91 | 70-135 | |
| o-Terphenyl | 46.8 | 50.0 | 94 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-041 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 15:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 128 | 99.9 | 128 | 70-135 | |
| o-Terphenyl | 64.8 | 50.0 | 130 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-101 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 14:58

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 92.1 | 99.1 | 93 | 70-135 | |
| o-Terphenyl | 46.8 | 49.6 | 94 | 70-135 | |

Lab Batch #: 3123742

Sample: 659272-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 17:21

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 105 | 100 | 105 | 70-135 | |
| o-Terphenyl | 49.1 | 50.2 | 98 | 70-135 | |

Lab Batch #: 3123745

Sample: 659272-021 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.21.2020 19:00

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 121 | 100 | 121 | 70-135 | |
| o-Terphenyl | 61.2 | 50.1 | 122 | 70-135 | |

Lab Batch #: 3123749

Sample: 659272-061 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 04:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 105 | 99.2 | 106 | 70-135 | |
| o-Terphenyl | 53.7 | 49.6 | 108 | 70-135 | |

* 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: Galaxy to Yarrow

Work Orders: 659272

Project ID: 212C-MD-01982

Lab Batch #: 3123797

Sample: 659272-041 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.22.2020 14:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 113 | 99.7 | 113 | 70-135 | |
| o-Terphenyl | 60.0 | 49.9 | 120 | 70-135 | |

Lab Batch #: 3123794

Sample: 659272-081 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 00:59

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 84.7 | 99.9 | 85 | 70-135 | |
| o-Terphenyl | 42.7 | 50.0 | 85 | 70-135 | |

Lab Batch #: 3123923

Sample: 659272-101 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04.23.2020 15:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 92.2 | 100 | 92 | 70-135 | |
| o-Terphenyl | 42.9 | 50.0 | 86 | 70-135 | |

* 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: Galaxy to Yarrow

Work Order #: 659272

Project ID: 212C-MD-01982

Analyst: ISU

Date Prepared: 04.21.2020

Date Analyzed: 04.21.2020

Lab Batch ID: 3123745

Sample: 7701693-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod | 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 | | | | | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 1020 | 102 | 1000 | 997 | 100 | 2 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1070 | 107 | 1000 | 1080 | 108 | 1 | 70-135 | 35 | |

Analyst: ISU

Date Prepared: 04.21.2020

Date Analyzed: 04.22.2020

Lab Batch ID: 3123797

Sample: 7701694-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod | 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 | | | | | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 1070 | 107 | 1000 | 1010 | 101 | 6 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1130 | 113 | 1000 | 1080 | 108 | 5 | 70-135 | 35 | |

Analyst: ISU

Date Prepared: 04.21.2020

Date Analyzed: 04.22.2020

Lab Batch ID: 3123749

Sample: 7701695-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod | 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 | | | | | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 1060 | 106 | 1000 | 1020 | 102 | 4 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1120 | 112 | 1000 | 1060 | 106 | 6 | 70-135 | 35 | |

Relative Percent Difference RPD = 200*(C-F)/(C+F)

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

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries

Project Name: Galaxy to Yarrow

Work Order #: 659272

Project ID: 212C-MD-01982

Analyst: ISU

Date Prepared: 04.21.2020

Date Analyzed: 04.23.2020

Lab Batch ID: 3123794

Sample: 7701696-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod | 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 | | | | | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 960 | 96 | 1000 | 1110 | 111 | 14 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1060 | 106 | 1000 | 1200 | 120 | 12 | 70-135 | 35 | |

Analyst: ISU

Date Prepared: 04.21.2020

Date Analyzed: 04.23.2020

Lab Batch ID: 3123923

Sample: 7701698-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod | 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 | | | | | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 722 | 72 | 1000 | 738 | 74 | 2 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 873 | 87 | 1000 | 885 | 89 | 1 | 70-135 | 35 | |

Analyst: ISU

Date Prepared: 04.21.2020

Date Analyzed: 04.21.2020

Lab Batch ID: 3123742

Sample: 7701700-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod | 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 | | | | | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 810 | 81 | 1000 | 831 | 83 | 3 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 953 | 95 | 1000 | 971 | 97 | 2 | 70-135 | 35 | |

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries
Project Name: Galaxy to Yarrow

Work Order #: 659272

Project ID: 212C-MD-01982

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A)/B$
Relative Percent Difference [E] = $200 \cdot (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: Galaxy to Yarrow

Work Order # : 659272
Lab Batch ID: 3123742
Date Analyzed: 04.21.2020
Reporting Units: mg/kg

QC- Sample ID: 659272-001 S
Date Prepared: 04.21.2020

Project ID: 212C-MD-01982
Batch #: 1 **Matrix:** Soil
Analyst: ISU

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod 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 |
|-----------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.4 | 1010 | 831 | 82 | 1000 | 820 | 82 | 1 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.4 | 1010 | 955 | 95 | 1000 | 921 | 92 | 4 | 70-135 | 35 | |

Lab Batch ID: 3123745
Date Analyzed: 04.21.2020
Reporting Units: mg/kg

QC- Sample ID: 659272-021 S
Date Prepared: 04.21.2020

Batch #: 1 **Matrix:** Soil
Analyst: ISU

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod 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 |
|-----------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <49.8 | 996 | 1010 | 101 | 1000 | 1020 | 102 | 1 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <49.8 | 996 | 1080 | 108 | 1000 | 1090 | 109 | 1 | 70-135 | 35 | |

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: Galaxy to Yarrow

Work Order # : 659272
Lab Batch ID: 3123749
Date Analyzed: 04.22.2020
Reporting Units: mg/kg

QC- Sample ID: 659272-061 S
Date Prepared: 04.21.2020

Project ID: 212C-MD-01982
Batch #: 1 **Matrix:** Soil
Analyst: ISU

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod 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 |
|-----------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 999 | 1000 | 100 | 992 | 980 | 99 | 2 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 999 | 1070 | 107 | 992 | 1070 | 108 | 0 | 70-135 | 35 | |

Lab Batch ID: 3123794
Date Analyzed: 04.22.2020
Reporting Units: mg/kg

QC- Sample ID: 659272-081 S
Date Prepared: 04.21.2020

Batch #: 1 **Matrix:** Soil
Analyst: ISU

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod 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 |
|-----------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 999 | 705 | 71 | 999 | 843 | 84 | 18 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 999 | 881 | 88 | 999 | 858 | 86 | 3 | 70-135 | 35 | |

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: Galaxy to Yarrow

Work Order # : 659272
Lab Batch ID: 3123797
Date Analyzed: 04.22.2020
Reporting Units: mg/kg

QC- Sample ID: 659272-041 S
Date Prepared: 04.21.2020

Project ID: 212C-MD-01982
Batch #: 1 **Matrix:** Soil
Analyst: ISU

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod 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 |
|-----------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 999 | 1050 | 105 | 997 | 760 | 76 | 32 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <50.0 | 999 | 1140 | 114 | 997 | 971 | 97 | 16 | 70-135 | 35 | |

Lab Batch ID: 3123923
Date Analyzed: 04.23.2020
Reporting Units: mg/kg

QC- Sample ID: 659272-101 S
Date Prepared: 04.21.2020

Batch #: 1 **Matrix:** Soil
Analyst: ISU

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod 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 |
|-----------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Gasoline Range Hydrocarbons (GRO) | 27.1 | 991 | 736 | 72 | 1000 | 742 | 71 | 1 | 70-135 | 35 | |
| Diesel Range Organics (DRO) | <9.91 | 991 | 864 | 87 | 1000 | 877 | 88 | 1 | 70-135 | 35 | |

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.

Analysis Request of Custody Record

Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

10592772



Client Name: EOG Site Manager: Mike Carmona

Project Name: Galaxy to Yarrow

Project Location: Lea County, New Mexico Project #: 212C-MD-01982

Invoice to: James Kennedy

Receiving Laboratory: Xenco Sampler Signature: Devin Dominguez

Comments:

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | | | | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|-----|------------------|--------------|----------------|
| | | DATE | TIME | WATER | SOIL | PRESERVATIVE METHOD | | | | |
| | | | | | | YEAR: 2020 | HCL | HNO ₃ | ICE | None |
| | Bottomhole-21 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-22 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-23 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-24 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-25 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-26 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-27 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-28 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-29 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |
| | Bottomhole-30 comp 3' | 4/20/2020 | | X | | X | | | 1 | N |

Requested by: [Signature] Date: 4/20/2020 Time: 4:10 PM
 Received by: [Signature] Date: [] Time: []
 Requested by: [] Date: [] Time: []
 Received by: [] Date: [] Time: []

ANALYSIS REQUEST
(Circle or Specify Method No.)

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | BTEX 8021B |
| <input checked="" type="checkbox"/> | BTEX 8260B |
| <input checked="" type="checkbox"/> | TPH TX1005 (Ext to C35) |
| <input checked="" type="checkbox"/> | TPH 8015M (GRO - DRO - ORO - MRO) |
| <input checked="" type="checkbox"/> | PAH 8270C |
| <input type="checkbox"/> | Total Metals Ag As Ba Cd Cr Pb Se Hg |
| <input type="checkbox"/> | TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| <input type="checkbox"/> | TCLP Volatiles |
| <input type="checkbox"/> | TCLP Semi Volatiles |
| <input type="checkbox"/> | RCI |
| <input type="checkbox"/> | GC/MS Vol. 8260B / 624 |
| <input type="checkbox"/> | GC/MS Semi. Vol. 8270C/625 |
| <input type="checkbox"/> | PCB's 8082 / 608 |
| <input type="checkbox"/> | NORM |
| <input type="checkbox"/> | PLM (Asbestos) |
| <input checked="" type="checkbox"/> | Chloride |
| <input type="checkbox"/> | Chloride Sulfate TDS |
| <input type="checkbox"/> | General Water Chemistry (see attached list) |
| <input type="checkbox"/> | Anion/Cation Balance |
| <input type="checkbox"/> | TPH 8015R |
| <input type="checkbox"/> | Hold |

LAB USE ONLY
 Sample Temperature
 REMARKS:
 STANDARD
 RUSH: Same Day 24 hr (48 hr) 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

1059277d

Client Name: EOG Site Manager: Mike Carmona

Project Name: Galaxy to Yarrow

Project Location: (county, state) Lea County, New Mexico Project #: 212C-MD-01982

Invoice to: James Kennedy

Receiving Laboratory: Xenco Sampler Signature: Devin Dominguez

Comments:

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|-----|------|------------|--------------|----------------|--|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | None | | | | | |
| | | | | | | | | | | YEAR: 2020 | | | | DATE |
| | Bottomhole-31 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-32 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-33 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-34 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-35 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-36 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-37 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-38 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-39 comp 3' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |
| | Bottomhole-40 comp 4' | 4/20/2020 | | X | | | | X | | | | 1 | N | X |

Requested by: [Signature] Date: 4/20 Time: 08:30
 Received by: [Signature] Date: 4/20 Time: 08:30

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

10592772

Client Name: EOG

Site Manager: Mike Carmona

Project Name: Galaxy to Yarrow

Project Location: (county, state) Lea County, New Mexico

Project #:

212C-MD-01982

Invoice to: James Kennedy

Receiving Laboratory: Xenco

Sampler Signature: Devin Dominguez

Comments:

LAB # (LAB USE ONLY) SAMPLE IDENTIFICATION

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | # CONTAINERS | FILTERED (Y/N) | |
|----------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|-----|--------------|----------------|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | | | None |
| | Bottomhole-41 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-42 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-43 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-44 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-45 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-46 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-47 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-48 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-49 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |
| | Bottomhole-50 comp 4' | 4/20/2020 | | X | | | | X | | 1 | N |

Requested by: [Signature] Date: 4/20 Time: 00

Received by: [Signature]

Date: Date: Time: Time:

Requested by: Date: Time:

Received by: Date: Time:

Date: Time:

ANALYSIS REQUEST (Circle or Specify Method No.)

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | BTEX 8021B |
| <input checked="" type="checkbox"/> | BTEX 8260B |
| <input checked="" type="checkbox"/> | TPH TX1005 (Ext to C35) |
| <input checked="" type="checkbox"/> | TPH 8015M (GRO - DRO - ORO - MRO) |
| <input checked="" type="checkbox"/> | PAH 8270C |
| <input checked="" type="checkbox"/> | Total Metals Ag As Ba Cd Cr Pb Se Hg |
| <input checked="" type="checkbox"/> | TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| <input checked="" type="checkbox"/> | TCLP Volatiles |
| <input checked="" type="checkbox"/> | TCLP Semi Volatiles |
| <input checked="" type="checkbox"/> | RCI |
| <input checked="" type="checkbox"/> | GC/MS Vol. 8260B / 624 |
| <input checked="" type="checkbox"/> | GC/MS Semi. Vol. 8270C/625 |
| <input checked="" type="checkbox"/> | PCB's 8082 / 608 |
| <input checked="" type="checkbox"/> | NORM |
| <input checked="" type="checkbox"/> | PLM (Asbestos) |
| <input checked="" type="checkbox"/> | Chloride |
| <input checked="" type="checkbox"/> | Chloride Sulfate TDS |
| <input checked="" type="checkbox"/> | General Water Chemistry (see attached list) |
| <input checked="" type="checkbox"/> | Anion/Cation Balance |
| <input checked="" type="checkbox"/> | TPH 8015R |
| <input type="checkbox"/> | Hold |

LAB USE ONLY

REMARKS: STANDARD RUSH: Same Day 24 hr 48 hr 72 hr

Flush Charges Authorized Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

059272

Client Name: EOG

Site Manager: Mike Carmona

Project Name: Galaxy to Yarrow

Project Location: Lea County, New Mexico

Project #:

212C-MD-01982

Invoice to: James Kennedy

Receiving Laboratory: Xenco

Sampler Signature: Devin Dominguez

Comments:

Devin Dominguez

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | | | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) |
|-------------------------|-----------------------|-----------|------------|-------|--------|-----|------------------|-----|------|---------------------|----------------|--------------|----------------|--|
| | DATE | TIME | YEAR: 2020 | WATER | SOIL | HCL | HNO ₃ | ICE | None | # CONTAINERS | FILTERED (Y/N) | | | |
| | | | | | | | | | | | | | | |
| | Bottomhole-51 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | BTEX 8021B BTEX 8260B |
| | Bottomhole-52 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | TPH TX1005 (Ext to C35) |
| | Bottomhole-53 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | TPH 8015M (GRO - DRO - ORO - MRO) |
| | Bottomhole-54 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | PAH 8270C |
| | Bottomhole-55 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | Total Metals Ag As Ba Cd Cr Pb Se Hg |
| | Bottomhole-56 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| | Bottomhole-57 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | TCLP Volatiles |
| | Bottomhole-58 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | TCLP Semi Volatiles |
| | Bottomhole-59 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | RCI |
| | Bottomhole-60 comp 4' | 4/20/2020 | | X | | | | | | | | 1 | N | GC/MS Vol. 8260B / 624 |
| | | | | X | | | | | | | | 1 | N | GC/MS Semi. Vol. 8270C/625 |
| | | | | X | | | | | | | | 1 | N | PCB's 8082 / 608 |
| | | | | X | | | | | | | | 1 | N | NORM |
| | | | | X | | | | | | | | 1 | N | PLM (Asbestos) |
| | | | | X | | | | | | | | 1 | N | Chloride |
| | | | | X | | | | | | | | 1 | N | Chloride Sulfate TDS |
| | | | | X | | | | | | | | 1 | N | General Water Chemistry (see attached list) |
| | | | | X | | | | | | | | 1 | N | Anion/Cation Balance |
| | | | | X | | | | | | | | 1 | N | TPH 8015R |
| | | | | X | | | | | | | | 1 | N | Hold |

Received by: *[Signature]* Date: 4/20 Time: 4:00

Received by: *[Signature]* Date: 4/20 Time: 4:00

Received by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr **48 hr** 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Analysis Request of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

1059718

Client Name: EOG Site Manager: Mike Carmona

Project Name: Galaxy to Yarrow

Project Location: (county, state) Lea County, New Mexico Project #: 212C-MD-01982

Invoice to: James Kennedy

Receiving Laboratory: Xenco Sampler Signature: Devin Dominguez

Comments:

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|-----------|------|--------|------|---------------------|------------------|--------------|----------------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | |
| | Bottomhole-61 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-62 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-63 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-64 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-65 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-66 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-67 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-68 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-69 comp 4' | 4/20/2020 | | X | | X | | 1 | N |
| | Bottomhole-70 comp 4' | 4/20/2020 | | X | | X | | 1 | N |

Requested by: [Signature] Date: 4/20 Time: 11:00

Received by: [Signature] Date: [] Time: []

Requested by: [] Date: [] Time: []

Received by: [] Date: [] Time: []

LAB USE ONLY

REMARKS: STANDARD RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

Hold

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

105947a

Client Name: EOG
Site Manager: Mike Carmona

Project Name: Galaxy to Yarrow

Project Location: Lea County, New Mexico

Project #: 212C-MD-01982

Invoice to: James Kennedy

Receiving Laboratory: Xenco

Sampler Signature: Devin Dominguez

Comments:

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|-----------|----------|------|--------|------------------|---------------------|------|--------------|----------------|
| | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | None | | |
| | Bottomhole-71 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-72 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-73 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-74 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-75 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-76 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-77 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-78 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-79 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |
| | Bottomhole-80 comp 4' | 4/20/2020 | X | | | | X | | 1 | N |

Requested by: [Signature] Date: 4/20/2020 Time: 4:00

Received by: [Signature] Date: 4/20/2020 Time: 1:50 PM

Requested by: [Signature] Date: [] Time: []

Received by: [Signature] Date: [] Time: []

ANALYSIS REQUEST
(Circle or Specify Method No.)

| | | | |
|--------------------------|---|-------------------------------------|------------|
| <input type="checkbox"/> | BTEX 8021B | <input checked="" type="checkbox"/> | BTEX 8260B |
| <input type="checkbox"/> | TPH TX1005 (Ext to C35) | <input type="checkbox"/> | |
| <input type="checkbox"/> | TPH 8015M (GRO - DRO - ORO - MRO) | <input type="checkbox"/> | |
| <input type="checkbox"/> | PAH 8270C | <input type="checkbox"/> | |
| <input type="checkbox"/> | Total Metals Ag As Ba Cd Cr Pb Se Hg | <input type="checkbox"/> | |
| <input type="checkbox"/> | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | <input type="checkbox"/> | |
| <input type="checkbox"/> | TCLP Volatiles | <input type="checkbox"/> | |
| <input type="checkbox"/> | TCLP Semi Volatiles | <input type="checkbox"/> | |
| <input type="checkbox"/> | RCI | <input type="checkbox"/> | |
| <input type="checkbox"/> | GC/MS Vol. 8260B / 624 | <input type="checkbox"/> | |
| <input type="checkbox"/> | GC/MS Semi. Vol. 8270C/625 | <input type="checkbox"/> | |
| <input type="checkbox"/> | PCB's 8082 / 608 | <input type="checkbox"/> | |
| <input type="checkbox"/> | NORM | <input type="checkbox"/> | |
| <input type="checkbox"/> | PLM (Asbestos) | <input type="checkbox"/> | |
| <input type="checkbox"/> | Chloride | <input type="checkbox"/> | |
| <input type="checkbox"/> | Chloride Sulfate TDS | <input type="checkbox"/> | |
| <input type="checkbox"/> | General Water Chemistry (see attached list) | <input type="checkbox"/> | |
| <input type="checkbox"/> | Anion/Cation Balance | <input type="checkbox"/> | |
| <input type="checkbox"/> | TPH 8015R | <input type="checkbox"/> | |
| <input type="checkbox"/> | Hold | <input type="checkbox"/> | |

LAB USE ONLY

Sample Temperature

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

ORIGINAL COPY

105

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-001 | S | Bottomhole-1 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-001 | S | Bottomhole-1 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-001 | S | Bottomhole-1 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-002 | S | Bottomhole-2 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-002 | S | Bottomhole-2 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-002 | S | Bottomhole-2 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-003 | S | Bottomhole-3 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-003 | S | Bottomhole-3 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-003 | S | Bottomhole-3 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-004 | S | Bottomhole-4 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-004 | S | Bottomhole-4 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-004 | S | Bottomhole-4 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-005 | S | Bottomhole-5 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-005 | S | Bottomhole-5 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-005 | S | Bottomhole-5 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-006 | S | Bottomhole-6 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-006 | S | Bottomhole-6 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-006 | S | Bottomhole-6 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-007 | S | Bottomhole-7 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-007 | S | Bottomhole-7 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-007 | S | Bottomhole-7 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-008 | S | Bottomhole-8 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-008 | S | Bottomhole-8 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-008 | S | Bottomhole-8 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-009 | S | Bottomhole-9 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-009 | S | Bottomhole-9 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-009 | S | Bottomhole-9 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-010 | S | Bottomhole-10 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-010 | S | Bottomhole-10 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-010 | S | Bottomhole-10 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-011 | S | Bottomhole-11 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-011 | S | Bottomhole-11 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-011 | S | Bottomhole-11 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-012 | S | Bottomhole-12 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-012 | S | Bottomhole-12 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-012 | S | Bottomhole-12 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-013 | S | Bottomhole-13 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-013 | S | Bottomhole-13 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-013 | S | Bottomhole-13 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-014 | S | Bottomhole-14 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-014 | S | Bottomhole-14 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-014 | S | Bottomhole-14 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-015 | S | Bottomhole-15 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-015 | S | Bottomhole-15 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-015 | S | Bottomhole-15 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-016 | S | Bottomhole-16 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-016 | S | Bottomhole-16 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-016 | S | Bottomhole-16 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-017 | S | Bottomhole-17 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-017 | S | Bottomhole-17 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-017 | S | Bottomhole-17 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-018 | S | Bottomhole-18 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-018 | S | Bottomhole-18 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-018 | S | Bottomhole-18 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-019 | S | Bottomhole-19 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-019 | S | Bottomhole-19 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-019 | S | Bottomhole-19 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-020 | S | Bottomhole-21 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-020 | S | Bottomhole-21 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-020 | S | Bottomhole-21 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-021 | S | Bottomhole-22 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-021 | S | Bottomhole-22 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-021 | S | Bottomhole-22 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-022 | S | Bottomhole-23 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-022 | S | Bottomhole-23 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-022 | S | Bottomhole-23 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-023 | S | Bottomhole-24 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-023 | S | Bottomhole-24 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-023 | S | Bottomhole-24 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-024 | S | Bottomhole-24 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-024 | S | Bottomhole-24 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-024 | S | Bottomhole-24 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-025 | S | Bottomhole-25 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-025 | S | Bottomhole-25 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-025 | S | Bottomhole-25 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |

Inter Office Shipment or Sample Comments:

Relinquished By:

Received By:

Released to Imaging: 3/10/2026 9:26:04 AM

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-026 | S | Bottomhole-26 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-026 | S | Bottomhole-26 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-026 | S | Bottomhole-26 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-027 | S | Bottomhole-27 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-027 | S | Bottomhole-27 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-027 | S | Bottomhole-27 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-028 | S | Bottomhole-28 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-028 | S | Bottomhole-28 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-028 | S | Bottomhole-28 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-029 | S | Bottomhole-29 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-029 | S | Bottomhole-29 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-029 | S | Bottomhole-29 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-030 | S | Bottomhole-30 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-030 | S | Bottomhole-30 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-030 | S | Bottomhole-30 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-031 | S | Bottomhole-31 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-031 | S | Bottomhole-31 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-031 | S | Bottomhole-31 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-032 | S | Bottomhole-32 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-032 | S | Bottomhole-32 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-032 | S | Bottomhole-32 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-033 | S | Bottomhole-33 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-033 | S | Bottomhole-33 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-033 | S | Bottomhole-33 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-034 | S | Bottomhole-34 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Date Relinquished:

Date Received:

Released to Imaging: 3/10/2026 9:26:04 AM

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-034 | S | Bottomhole-34 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-034 | S | Bottomhole-34 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-035 | S | Bottomhole-35 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-035 | S | Bottomhole-35 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-035 | S | Bottomhole-35 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-036 | S | Bottomhole-36 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-036 | S | Bottomhole-36 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-036 | S | Bottomhole-36 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-037 | S | Bottomhole-37 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-037 | S | Bottomhole-37 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-037 | S | Bottomhole-37 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-038 | S | Bottomhole-38 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-038 | S | Bottomhole-38 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-038 | S | Bottomhole-38 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-039 | S | Bottomhole-39 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-039 | S | Bottomhole-39 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-039 | S | Bottomhole-39 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-040 | S | Bottomhole-40 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-040 | S | Bottomhole-40 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-040 | S | Bottomhole-40 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-041 | S | Bottomhole-41 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-041 | S | Bottomhole-41 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-041 | S | Bottomhole-41 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-042 | S | Bottomhole-42 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-042 | S | Bottomhole-42 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : **62333**

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-042 | S | Bottomhole-42 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-043 | S | Bottomhole-43 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-043 | S | Bottomhole-43 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-043 | S | Bottomhole-43 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-044 | S | Bottomhole-44 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-044 | S | Bottomhole-44 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-044 | S | Bottomhole-44 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-045 | S | Bottomhole-45 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-045 | S | Bottomhole-45 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-045 | S | Bottomhole-45 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-046 | S | Bottomhole-46 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-046 | S | Bottomhole-46 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-046 | S | Bottomhole-46 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-047 | S | Bottomhole-47 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-047 | S | Bottomhole-47 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-047 | S | Bottomhole-47 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-048 | S | Bottomhole-48 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-048 | S | Bottomhole-48 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-048 | S | Bottomhole-48 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-049 | S | Bottomhole-49 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-049 | S | Bottomhole-49 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-049 | S | Bottomhole-49 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-050 | S | Bottomhole-50 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-050 | S | Bottomhole-50 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-050 | S | Bottomhole-50 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-051 | S | Bottomhole-51 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-051 | S | Bottomhole-51 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-051 | S | Bottomhole-51 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-052 | S | Bottomhole-52 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-052 | S | Bottomhole-52 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-052 | S | Bottomhole-52 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-053 | S | Bottomhole-53 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-053 | S | Bottomhole-53 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-053 | S | Bottomhole-53 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-054 | S | Bottomhole-54 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-054 | S | Bottomhole-54 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-054 | S | Bottomhole-54 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-055 | S | Bottomhole-55 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-055 | S | Bottomhole-55 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-055 | S | Bottomhole-55 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-056 | S | Bottomhole-56 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-056 | S | Bottomhole-56 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-056 | S | Bottomhole-56 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-057 | S | Bottomhole-57 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-057 | S | Bottomhole-57 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-057 | S | Bottomhole-57 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-058 | S | Bottomhole-58 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-058 | S | Bottomhole-58 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-058 | S | Bottomhole-58 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-059 | S | Bottomhole-59 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-059 | S | Bottomhole-59 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-059 | S | Bottomhole-59 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-060 | S | Bottomhole-60 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-060 | S | Bottomhole-60 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-060 | S | Bottomhole-60 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-061 | S | Bottomhole-61 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-061 | S | Bottomhole-61 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-061 | S | Bottomhole-61 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-062 | S | Bottomhole-62 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-062 | S | Bottomhole-62 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-062 | S | Bottomhole-62 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-063 | S | Bottomhole-63 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-063 | S | Bottomhole-63 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-063 | S | Bottomhole-63 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-064 | S | Bottomhole-65 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-064 | S | Bottomhole-65 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-064 | S | Bottomhole-65 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-065 | S | Bottomhole-65 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-065 | S | Bottomhole-65 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-065 | S | Bottomhole-65 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-066 | S | Bottomhole-66 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-066 | S | Bottomhole-66 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-066 | S | Bottomhole-66 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-067 | S | Bottomhole-67 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-067 | S | Bottomhole-67 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-067 | S | Bottomhole-67 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-068 | S | Bottomhole-68 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-068 | S | Bottomhole-68 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-068 | S | Bottomhole-68 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-069 | S | Bottomhole-69 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-069 | S | Bottomhole-69 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-069 | S | Bottomhole-69 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-070 | S | Bottomhole-70 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-070 | S | Bottomhole-70 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-070 | S | Bottomhole-70 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-071 | S | Bottomhole-71 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-071 | S | Bottomhole-71 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-071 | S | Bottomhole-71 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-072 | S | Bottomhole-72 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-072 | S | Bottomhole-72 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-072 | S | Bottomhole-72 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-073 | S | Bottomhole-73 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-073 | S | Bottomhole-73 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-073 | S | Bottomhole-73 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-074 | S | Bottomhole-74 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-074 | S | Bottomhole-74 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-074 | S | Bottomhole-74 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-075 | S | Bottomhole-75 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-075 | S | Bottomhole-75 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-075 | S | Bottomhole-75 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-076 | S | Bottomhole-76 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-076 | S | Bottomhole-76 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-076 | S | Bottomhole-76 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-077 | S | Bottomhole-77 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-077 | S | Bottomhole-77 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-077 | S | Bottomhole-77 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-078 | S | Bottomhole-78 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-078 | S | Bottomhole-78 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-078 | S | Bottomhole-78 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-079 | S | Bottomhole-79 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-079 | S | Bottomhole-79 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-079 | S | Bottomhole-79 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-080 | S | Bottomhole-80 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-080 | S | Bottomhole-80 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-080 | S | Bottomhole-80 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-081 | S | Bottomhole-81 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-081 | S | Bottomhole-81 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-081 | S | Bottomhole-81 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-082 | S | Bottomhole-82 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-082 | S | Bottomhole-82 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-082 | S | Bottomhole-82 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-083 | S | Bottomhole-83 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-083 | S | Bottomhole-83 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-083 | S | Bottomhole-83 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-084 | S | Bottomhole-84 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|-----------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-084 | S | Bottomhole-84 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-084 | S | Bottomhole-84 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-085 | S | Bottomhole-85 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-085 | S | Bottomhole-85 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-085 | S | Bottomhole-85 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-086 | S | Bottomhole-86 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-086 | S | Bottomhole-86 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-086 | S | Bottomhole-86 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-087 | S | NSW-1 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-087 | S | NSW-1 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-087 | S | NSW-1 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-088 | S | NSW-2 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-088 | S | NSW-2 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-088 | S | NSW-2 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-089 | S | NSW-3 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-089 | S | NSW-3 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-089 | S | NSW-3 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-090 | S | NSW-4 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-090 | S | NSW-4 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-090 | S | NSW-4 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-091 | S | WSW-1 Comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-091 | S | WSW-1 Comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-091 | S | WSW-1 Comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-092 | S | WSW-2 Comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-092 | S | WSW-2 Comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-092 | S | WSW-2 Comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-093 | S | WSW-3 Comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-093 | S | WSW-3 Comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-093 | S | WSW-3 Comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-094 | S | WSW-4 Comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-094 | S | WSW-4 Comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-094 | S | WSW-4 Comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-095 | S | WSW-5 Comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-095 | S | WSW-5 Comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-095 | S | WSW-5 Comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-096 | S | WSW-6 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-096 | S | WSW-6 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-096 | S | WSW-6 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-097 | S | WSW-7 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-097 | S | WSW-7 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-097 | S | WSW-7 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-098 | S | WSW-8 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-098 | S | WSW-8 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-098 | S | WSW-8 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-099 | S | WSW-9 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-099 | S | WSW-9 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-099 | S | WSW-9 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-100 | S | WSW-10 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-100 | S | WSW-10 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-100 | S | WSW-10 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : **62333**

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-101 | S | WSW-11 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-101 | S | WSW-11 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-101 | S | WSW-11 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-102 | S | WSW-12 Comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-102 | S | WSW-12 Comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-102 | S | WSW-12 Comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-103 | S | ESW-1 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-103 | S | ESW-1 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-103 | S | ESW-1 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-104 | S | ESW-2 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-104 | S | ESW-2 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-104 | S | ESW-2 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-105 | S | ESW-3 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-105 | S | ESW-3 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-105 | S | ESW-3 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-106 | S | ESW-4 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-106 | S | ESW-4 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-106 | S | ESW-4 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-107 | S | ESW-5 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-107 | S | ESW-5 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-107 | S | ESW-5 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-108 | S | ESW-6 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-108 | S | ESW-6 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-108 | S | ESW-6 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-109 | S | ESW-7 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : **62333**

Date/Time: 04.20.2020

Created by: Allison Johnson

Please send report to: Jessica Kramer

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Houston**

Air Bill No.: 770279115938

E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-109 | S | ESW-7 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-109 | S | ESW-7 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-110 | S | ESW-8 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-110 | S | ESW-8 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-110 | S | ESW-8 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-111 | S | ESW-9 comp 4" | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-111 | S | ESW-9 comp 4" | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-111 | S | ESW-9 comp 4" | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-112 | S | ESW-10 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-112 | S | ESW-10 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-112 | S | ESW-10 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-113 | S | ESW-11 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-113 | S | ESW-11 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-113 | S | ESW-11 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-114 | S | WES-12 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-114 | S | WES-12 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-114 | S | WES-12 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-115 | S | ESW-13 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-115 | S | ESW-13 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-115 | S | ESW-13 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-116 | S | SSW-1 comp 2' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-116 | S | SSW-1 comp 2' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-116 | S | SSW-1 comp 2' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-117 | S | SSW-2 comp 3' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-117 | S | SSW-2 comp 3' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |

Inter Office Shipment or Sample Comments:

Inter-Office Shipment

IOS Number : 62333

Date/Time: 04.20.2020 Created by: Allison Johnson
 Lab# From: **Midland** Delivery Priority:
 Lab# To: **Houston** Air Bill No.: 770279115938

Please send report to: Jessica Kramer
 Address: 1211 W. Florida Ave
 E-Mail: jessica.kramer@xenco.com

| Sample Id | Matrix | Client Sample Id | Sample Collection | Method | Method Name | Lab Due | HT Due | PM | Analytes | Sign |
|------------|--------|------------------|-------------------|--------------|-----------------------------------|------------|------------|-----|---------------------|------|
| 659272-117 | S | SSW-2 comp 3' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |
| 659272-118 | S | SSW-3 comp 4' | 04.20.2020 00:00 | SW8015MOD_NM | TPH By SW8015 Mod | 04.22.2020 | 05.04.2020 | JKR | PHCC10C28 PHCC28C3: | |
| 659272-118 | S | SSW-3 comp 4' | 04.20.2020 00:00 | SW8260CBTEX | BTEX by SW 8260C | 04.22.2020 | 05.04.2020 | JKR | BZ BZME EBZ XYLENE | |
| 659272-118 | S | SSW-3 comp 4' | 04.20.2020 00:00 | E300 | Inorganic Anions by EPA 300/300.1 | 04.22.2020 | 05.18.2020 | JKR | CL | |

Inter Office Shipment or Sample Comments:



Allison Johnson

04.20.2020



Jhyrom Edralin

04.21.2020

Cooler Temperature: 3.6



Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 62333

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-068

Sent By: Allison Johnson

Date Sent: 04.20.2020 02.36 PM

Received By: Jhyrom Edralin

Date Received: 04.21.2020 09.07 AM

Sample Receipt Checklist

Comments

- #1 *Temperature of cooler(s)? 3.6
#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:

Jhyrom Edralin (signature)

Date: 04.21.2020

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 04.20.2020 02.06.00 PM

Work Order #: 659272

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : R9

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

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

Analyst:

PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 04.20.2020
 Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 04.20.2020
 Jessica Kramer

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 558274

QUESTIONS

| | |
|---|---|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 558274 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|----------------------|--|
| Prerequisites | |
| Incident ID (n#) | nRM2007652972 |
| Incident Name | NRM2007652972 GALAXY TO YARROW LAY FLAT @ M-10-24S-33E |
| Incident Type | Release Other |
| Incident Status | Remediation Closure Report Received |

| | |
|---|---------------------------|
| Location of Release Source | |
| <i>Please answer all the questions in this group.</i> | |
| Site Name | GALAXY TO YARROW LAY FLAT |
| Date Release Discovered | 10/29/2019 |
| Surface Owner | State |

| | |
|--|---------------|
| Incident Details | |
| <i>Please answer all the questions in this group.</i> | |
| Incident Type | Release Other |
| Did this release result in a fire or is the result of a fire | No |
| Did this release result in any injuries | No |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No |
| Has this release endangered or does it have a reasonable probability of endangering public health | No |
| Has this release substantially damaged or will it substantially damage property or the environment | No |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No |

| | |
|---|---|
| Nature and Volume of Release | |
| <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i> | |
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Not answered. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Not answered. |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Cause: Equipment Failure Flow Line - Production Other (Specify) Released: 75 BBL Recovered: 0 BBL Lost: 75 BBL. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. |

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QUESTIONS, Page 2

Action 558274

QUESTIONS (continued)

| | |
|---|---|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 558274 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|--|--|
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| <i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i> | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

| | |
|--|---------------|
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_green@eogresources.com Date: 02/26/2026 |
|--|--|

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QUESTIONS, Page 3

Action 558274

QUESTIONS (continued)

| | |
|---|---|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
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| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|--|--------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Less than or equal 25 (ft.) |
| What method was used to determine the depth to ground water | U.S. Geological Survey |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between 1000 (ft.) and ½ (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between ½ and 1 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1000 (ft.) and ½ (mi.) |
| Any other fresh water well or spring | Between 1000 (ft.) and ½ (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1000 (ft.) and ½ (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Greater than 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | Yes |

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|--|-----|
| Requesting a remediation plan approval with this submission | Yes |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i> | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

| | |
|---|------|
| Chloride (EPA 300.0 or SM4500 Cl B) | 6890 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 50 |
| GRO+DRO (EPA SW-846 Method 8015M) | 50 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

| | |
|---|------------|
| On what estimated date will the remediation commence | 01/07/2020 |
| On what date will (or did) the final sampling or liner inspection occur | 04/20/2020 |
| On what date will (or was) the remediation complete(d) | 04/20/2020 |
| What is the estimated surface area (in square feet) that will be reclaimed | 17200 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 2765 |
| What is the estimated surface area (in square feet) that will be remediated | 17200 |
| What is the estimated volume (in cubic yards) that will be remediated | 2765 |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 558274

QUESTIONS (continued)

| | |
|---|---|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
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| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

| | |
|---|--|
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | fEEM0112340644 R360 ARTESIA LLC LANDFARM |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | Not answered. |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_green@eogresources.com Date: 02/26/2026 |
|--|--|

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 558274

QUESTIONS (continued)

| | |
|---|---|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
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| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|---|----|
| Deferral Requests Only | |
| <i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i> | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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QUESTIONS, Page 6

Action 558274

QUESTIONS (continued)

| | |
|---|---|
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| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 558267 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 04/20/2020 |
| What was the (estimated) number of samples that were to be gathered | 118 |
| What was the sampling surface area in square feet | 17200 |

| Remediation Closure Request | |
|--|-------|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i> | |
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 17200 |
| What was the total volume (cubic yards) remediated | 2765 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 17200 |
| What was the total volume (in cubic yards) reclaimed | 2765 |
| Summarize any additional remediation activities not included by answers (above) | NA |

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_green@eogresources.com Date: 02/26/2026 |
|--|--|

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QUESTIONS, Page 7

Action 558274

QUESTIONS (continued)

| | |
|---|---|
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QUESTIONS

| | |
|--|----|
| Reclamation Report | |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i> | |
| Requesting a reclamation approval with this submission | No |

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CONDITIONS

Action 558274

CONDITIONS

| | |
|---|---|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 558274 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------------|--|----------------|
| michael.buchanan | Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. | 3/10/2026 |
| michael.buchanan | Remediation closure is approved. | 3/10/2026 |
| michael.buchanan | A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 3/10/2026 |
| michael.buchanan | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. | 3/10/2026 |
| michael.buchanan | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 3/10/2026 |
| michael.buchanan | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 3/10/2026 |
| michael.buchanan | Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website. | 3/10/2026 |